

# **1. Appendices**

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## Appendix 1: Questionnaire

Questionnaire number:.....

Name of village/ community: .....

GPS: .....

### A. SOCIO ECONOMIC AND FARM INFORMATION

1. Age of respondent (years)? \_\_\_\_\_
2. Gender Male  Female
3. What is your highest level of education? No formal education  primary education  junior secondary education  senior secondary education  tertiary education
4. What is your household size(counts)? \_\_\_\_\_
5. What is your marital status? Single  Married  Divorced  Widowed
6. What is the number of years you have spent in maize farming? \_\_\_\_\_
7. What is your total farm size (in hectares)? \_\_\_\_\_
8. What is the distance from your farm to the nearest market? \_\_\_\_\_
9. Did you have access to farm credit in the last growing season? Yes  No
10. Do you have access to irrigation? Yes  No
11. How often do you get access to extension services/visits? Once per month  Once in 3 months  once in six months  once in a year
12. Do you have access to television and radio coverage? Yes  No
13. Are you aware of credit sources information? Yes  No
14. Are you willing to try new farming methods? Yes  No

### B. INSTITUTIONAL FACTORS: AGRICULTURAL COOPERATIVE INFORMATION

15. Do you belong to any agricultural cooperative organization? Yes  No
16. How long have you been in this cooperative? \_\_\_\_\_

Why did you join this agricultural cooperative?

Statement	Yes/No
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17. Family/ Friends	
18. Leader of the cooperative	
19. Financial support from government or NGOs	
20. Government extension agent	
21. Other farmers in the cooperative	

How have you benefitted from this agricultural cooperative?

Statement	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
22. Your farm income has increased					
23. You accessed higher quality inputs at a lower price					
24. You receive higher price for your main product					
25. Lesser time for marketing farm produce					
26. You have reduction in the costs of production					
27. You have better access to credit					

and saving services					
28. Service from input suppliers has improved					
29. Access to relevant market information have improved					
30. Service from extension agents have improved					
31. Access to information about good agricultural practices has improved					

### C. PRODUCTION INFORMATION

1. What is the value of total production of maize in Nigerian naira? \_\_\_\_\_
2. What is the value of fertilizer used in naira? \_\_\_\_\_
3. What is the value of pesticides used in naira? \_\_\_\_\_
4. What is the value of seed used in naira? \_\_\_\_\_
5. What is the size of family labour that work on the farm? \_\_\_\_\_
6. What is the value of farm labour used in naira? \_\_\_\_\_
7. What is the total area of land cultivated with maize(hec)? \_\_\_\_\_
8. What is the value of farm machinery used on the farm? \_\_\_\_\_

### D. AGROECOLOGICAL FACTORS

1. Do you cultivate maize on a good and favourable soil ? strongly agree [ ] agree [ ] neither agree nor disagree [ ] disagree [ ]strongly disagree [ ]
2. Do you practise water conservation Yes [ ] No [ ]

3. Are you affected by drought strongly agree [ ] agree [ ] neither agree nor disagree [ ] disagree [ ]strongly disagree [ ]
4. Are you affected by pest and diseases strongly agree [ ] agree [ ] neither agree nor disagree [ ] disagree [ ]strongly disagree [ ]

## Appendix 2: Key Informant Interview Questionnaire

**Name of cooperative:** .....

**Number of members:** .....

**Name of village/ community:**.....

1. Can you describe the main business of cooperative and its services/benefits for members?
2. When was the cooperative established/registered? (year)
3. Can you describe the governance system of the cooperative? How frequent meetings are held
4. What is the composition of members - all farmers?
5. What was the initial investment from members? Was the investment even among members?
6. What are the main assets and facilities of the cooperative
7. What are the main challenges for cooperative (as a group and for business) now
8. Is the number of members increasing
9. How many hours per week do you spend with cooperative matters?
10. What is the main income of the cooperative to cover the running cost of the group?
11. What is the system of payments between cooperative and members? Does the cooperative have money for purchase of members produce?
12. How do members pay for services and renting of assets from the cooperative - e.g., trailers, tractor, car, processing, storage?
13. Is there any profit created by the cooperative?
14. How is profit used in the cooperative?