Appendix 3 – Complete Questionnaire from the Project Endline Data Collection

Demographics and Basic information

- Name of Interviewer (Name and Surname)
- 2. Interviewer Institution
- Date of Interview
- 4. Name of Province
- District
- 6. Cooperative
- 7. Coop Member's Surname
- 8. Coop Member's Other name
- 9. Gender
- 10. Age of respondents
- 11. Highest level of education reached[1] Primary Education, [2] Secondary, [3] Tertiary Education (4) Never been to school
- 12. Picture of the coop member
- 13. Number of members in the household
- 14. Number of adults
- 15. Number of female adults
- 16. Family status (Single, married, divorced, widowed, cohabiting) If married, mono/polygamous marrriage
- 17. Are you a head of your household? Yes/no
- 18. What is your position within the cooperative?
 - [1] Member of the coop [2] Employee of the coop [3] Chairman of the board [4] Member of the board [5] Member paid by the cooperative
- 19. How many years have you been a member of the cooperative?
- 20. Number of years you spent in the farming sector?
- Are you a farmer (main income comes from farming) yes/no?
 N of years spent in farming sector (if farmer)
- 22. What is your total landholding [in hectares]?
- 23. What is the distance from your farm to the nearest bigger regional market center where you can sell your products? [km]
- 24. What is the distance from your farm to your cooperative center? [km]
- 25. Have you accessed to credit in the last three years?

Yes x No

26. Have you accessed to input subsidy in the last three years?

Yes x No

27. Are you involved in an off-farm job?

Yes x No

A. General Opinion on Agency through Cooperatives

- I now work more actively with farmers in the community than 3 years ago.
 Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 29. Now the trust between the farmers is generally higher than 3 years ago.
 - Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- I now consider myself a more active member of my community than 3 years ago.
 Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 31. I am willing to dedicate my time to the meetings in the cooperative.
 - Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 32. It is important to make all decisions about my farm by myself and not in the group.

 Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 33. The cooperative can bring me economic benefits.
 - Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 34. The cooperative can bring me non-economic benefits.
 - Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 35. There is sufficient extension support for cooperatives (from government or NGOs).
 - Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 36. There is sufficient financial support for cooperatives (from government or NGOs).
 Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 37. My social contacts have increased over the last 3 years of my farming business.

 Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree

Do you agree that this increase is due to your membership in cooperative? (strongly agree-strongly disagree)

38. I now feel more autonomous and independent than 3 years ago. Yes/no

Do you agree that this improvement is due to your membership in cooperative? SA-SD

39. I now meet more with other cooperative members in other not official/business occasions than 3 years ago. Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagre.

Do you agree that this improvement is due to your membership in cooperative? SA-SD

B. Voluntary and Open Membership

- 40. It is important that most members are of the same gender.
 - Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 41. It is important that both gender is present in the leadership position of the cooperative.

 Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree

C. Democratic Member Control

- 42. I participated in the selection of the leader of the cooperative. [1] Yes [0] No
- 43. My cooperative functions according to the cooperative principles of democracy and transparency. Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 44. Members candidly and willingly share their views in the cooperative. Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 45. Cooperative meetings are interesting and attended with excitement. Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 46. Members reach decisions with ease and are satisfied with them. Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 47. Members share their limitations and concerns with each other. Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 48. Members share their needs with each other. Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 49. Members forget their self-interest for the good of the group. Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 50. Most people who are members of the coop can be trusted. Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 51. I believe that my opinion can influence the decision-making processes in the cooperative. Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 52. I attend all the meetings of the cooperative. Strongly agree, Partly agree, Neither agree nor disagree, Partly disagree, Strongly disagree
- 53. Name any constraints that prevent you to be more active?
- 54. I consider myself as an active member of the cooperative? (eg. discussion, voting, proposing new topics). Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 55. Our coop leader has excellent leadership skills. Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 56. The leader is also respected in the wider community. Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 57. The leader had the biggest impact on how the cooperative looks today. Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 58. The leader convinced all the members and put the whole group together. Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 59. The leader always consults the members before taking any important decision. Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 60. The leader creates an atmosphere of trust in the cooperative. Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 61. The leader allows the members to express dissenting point of views. Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree

D. Economic Impact on Members

- 62. Has the yield of your product increased in the last 3 years? Yes/no
 - If yes Do you agree that this increase is due to your membership in the cooperative? (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 63. Has your income increased in the last 3 years? Yes/no
 - Do you agree that this increase is due to your membership in the cooperative?
 - (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 64. Are you able to access higher quality inputs at a lower price than 3 years ago? Yes/no

- Do you agree that this improvement is due to your membership in the cooperative? (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 65. Are you able to receive a higher price for your main product than 3 years ago? Yes/no
 Do you agree that this improvement is due to your membership in the cooperative?
 (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 66. Is the purchase of your product more secure and stable than 3 years ago? Yes/no
 Do you agree that this improvement is due to your membership in the cooperative?
 (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 67. Do you now have more business contracts than 3 years ago? Yes/no
 Do you agree that this increase is due to your membership in the cooperative?
 (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 68. Do you dedicate less time to marketing and selling your product than 3 years ago? Yes/no Do you agree that this improvement is due to your membership in the cooperative? (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 69. Have you reduced the cost of production in the last 3 years? Yes/no Do you agree that this improvement is due to your membership in the cooperative? (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 70. Have you had better access to credit and saving services in the last 3 years? Yes/no
 Do you agree that this improvement is due to your membership in the cooperative?
 (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 71. Have you had better access to processing your production in the last 3 years? Yes/no
 Do you agree that this improvement is due to your membership in the cooperative?
 (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 72. Have you had better access to storing your production in the last 3 years? Yes/no
 Do you agree that this improvement is due to your membership in the cooperative?
 (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 73. Has your bargaining power on the market improved over the last 3 years? Yes/no
 Do you agree that this improvement is due to your membership in the cooperative?
 (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)

E. Member Economic Participation – Market Access

- 74. What is the percentage of your production that you sell through the cooperative? [%] stone analogy
- My number of business contracts has increased over the last three years.
 Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree

F. Education, Training, and Information

- 76. Has service from input suppliers improved over the last 3 years?

 Do you agree that this improvement is due to membership in the cooperative?
- 77. Has your access to relevant market information improved over the last 3 years? Do you agree that this improvement is due to membership in the cooperative?
- 78. Has the service from extension agents improved over the last 3 years?

 Do you agree that this improvement is due to membership in the cooperative?
- 79. Has your access to information about good agricultural practices improved over the last 3 years? Do you agree that this improvement is due to membership in the cooperative?
- 80. Has your opportunity for training increased over the last 3 years?

 Do you agree that this increase is due to membership in the cooperative?
- 81. Has your opportunity for training on business management and leadership positions increased over the last 3 years?
 - Do you agree that this increase is due to membership in the cooperative?
- 82. Do you have better chance to mutually share experience with other farmers than 3 years ago? Do you agree that this improvement is due to membership in the cooperative?
- 83. Has your opportunity to participate in community development decision (Infrastructure building and repairing, building a playground etc.) increased in the last 3 years?
 - Do you agree that this increase is due to membership in the cooperative?
- 84. Thanks to project training, my capacity to use technology in production of my product (e.g. effective use of inputs, soil management, post-harvest mg, small mechanization and irrigation, pest and diseas management, livestock production) has increased over the last three years.
 - Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree personal knowledge
- 85. Thanks to project training, my capacity to use technology in food processing has increased over the last three years.

 Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree personal knowledge
- 86. As a result of the project, I started to cultivate traditional crops over the last three years.

- Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 87. As a result of the project, I started to raise a new type of animal over the last three years.

 Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree ?? new skill?
- 88. As a result of the project, I got familiar with the benefits of diversification of agricultural production.

 Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree personal knowledge

G. Active female participation

- 89. Women and men have the same opportunity to participate in training provided by the cooperative. Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 90. It is crucial to have women members because they can enrich the cooperative performance. Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 91. It is crucial to have a woman representative in the Board of the cooperative.

 Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 92. Participation in the cooperative makes me more independent on my spouse's income. (not in Kobo, in excel only!!?, women only?)
 - Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 93. FOR WOMEN ONLY. My chance to meet with other women farmers has improved as a result of cooperative membership (not in Kobo, in excel only!!?)

 Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree
- 94. How many members of your family joined the coop?
- 95. If more family members are in the cooperative, who is eligible to vote?

Empowerment – personal dimension

- 96. Women should not spend their time with cooperative activities because they should take care of household and children. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 97. It is good to train a woman to keep financial records because she can do the job as well as a man can. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 98. Men are better than women in doing their job as cooperative board members. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 99. It was me who decided/will decide whether and whom to marry. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 100. I can freely participate in community activities, groups, meetings etc. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree,
- 101. Regarding agricultural production, I do what I do because: I personally think it is the right thing to do/ Because I would get in trouble if I acted differently/ Because I don't want others to think poorly of me/ Other
- 102. Regarding inputs to buy, I do what I do because: I personally think i tis the right thing to do/ Because I would get in trouble if I acted differently/ Because I don't want others to think poorly of me/ Other
- 103. Regarding crops to grow I do what I do because: I personally think i tis the right thing to do/ Because I would get in trouble if I acted differently/ Because I don't want others to think poorly of me/ Other

Empowerment – Relational dimension

- 104. I am involved in making important decisions in the cooperative to a large extent. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 105. Choose other groups you participate in: No other group/ Credit or microfinance group/ VSLAs etc./ Women's association/ Religious group/ Trade and business association/ Local government/ Other group
- 106. I am involved in making important decisions in other groups I participate in to a large extent. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 107. I feel comfortable speaking up in public to help decide on community matters (eg building infrastructure, small wells etc.) (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 108. I feel comfortable speaking up to intervene in a family dispute. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 109. Who normally makes most of the decisions about how much of the crops harvested should be kept for consumption in the household? (Me/ Spouse or partner/ Me and spouse or partner jointly/ Another household member/ Me and another household member jointly/ Someone outside household)
- 110. Who normally makes most of the decisions about how to spend the money made from the sale of crops? (Me/ Spouse or partner/ Me and spouse or partner jointly/ Another household member/ Me and another household member jointly/ Someone outside household)
- 111. Who normally makes most of the decisions about how to spend the money made from other activities where you are mainly contributing? (Me/ Spouse or partner/ Me and spouse or partner jointly/ Another household member/ Me and another household member jointly/ Someone outside household)

- 112. Who normally makes most of the decisions about what food to buy and consume? (Me/ Spouse or partner/ Me and spouse or partner jointly/ Another household member/ Me and another household member jointly/ Someone outside household)
- 113. Who normally makes most of the decisions about purchasing and selling livestock? (Me/ Spouse or partner/ Me and spouse or partner jointly/ Another household member/ Me and another household member jointly/ Someone outside household)
- 114. Who normally makes most of the decisions about whether to take a small loan, from what source and how much to borrow? (Me/ Spouse or partner/ Me and spouse or partner jointly/ Another household member/ Me and another household member jointly/ Someone outside household)
- 115. Who normally makes most of the decisions about purchase of plots of land? (Me/ Spouse or partner/ Me and spouse or partner jointly/ Another household member/ Me and another household member jointly/ Someone outside household)
- 116. Who normally makes most of the decisions about education of your children? (Me/ Spouse or partner/ Me and spouse or partner jointly/ Another household member/ Me and another household member jointly/ Someone outside household)
- 117. If someone else is making the decisions, I can influence them. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 118. I am satisfied with the level of control of spending my own time. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 119. With how many percent do you contribute to your household income (produce and cash together, stone analogy if necessary)?
- 120. I can fully control my own income. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 121. My participation in the cooperative was affected by the Covid-19 pandemic. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 122. Decision making in my household was affected by the Covid-19 pandemic. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 123. Household activity division among men and women in my household was affected by the Covid-19 pandemic. (Strongly agree, Partly agree, Not agree nor disagree, Partly disagree, Strongly disagree)
- 124. What benefits did the cooperative bring you? (qualitative question)

H. Management skills of the leader

Please indicate how you rate the leader of your cooperative in terms of the following.

- 125. The way the leader manages the cooperative. Very poor, Poor, Average, Good, Very good
- 126. The way the leader manages employees/staff issues. Very poor, Poor, Average, Good, Very good
- 127. The leader's ability of communication and negotiation with members. Very poor, Poor, Average, Good, Very good
- 128. The way the leader manages credit and loans. Very poor, Poor, Average, Good, Very good
- 129. The way the leader markets cooperative products. Very poor, Poor, Average, Good, Very good
- 130. The way the leader creates and maintains the vision and long term plans of the cooperative. Very poor, Poor, Average, Good, Very good
- 131. The leader's commitment to democratic principles of the cooperative society. Very poor, Poor, Average, Good, Very good
- 132. The way the leader transparently manages cooperative finances. Very poor, Poor, Average, Good, Very good
- 133. The leader's computer literacy skills. Very poor, Poor, Average, Good, Very good
- 134. The way the leader manages suppliers. Very poor, Poor, Average, Good, Very good
- 135. The leader's technical skills in relation to the cooperative products/services. Very poor, Poor, Average, Good, Very good
- 136. The leader's relationship with customers. Very poor, Poor, Average, Good, Very good

I. Sustainable Agricultural Practices (SAP) Awareness

141.

137.	I am aware of sustainable environmental practices. [] Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree
138.	I have had access to training on sustainable environmental practices in the last three years. [] Strongly Disagree [
] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree
139.	How many times per year do you get access to training and information on sustainable environmental practices in a year?
	[] Not even once [] Once [] Twice [] Three times [] four times [] more than four times
140.	My level of knowledge on sustainable environmental practices has increased in the last three years.
	[] Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree

What is your main source of information on sustainable environmental practices? ☐ Television ☐ Newspaper ☐ Farmers group/cooperative ☐ Internet ☐ Farmers colleagues ☐ Government extension agent ☐ NGOs ☐

- 142. I have adopted sustainable agricultural practices on my total farm size.
 [] Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree.
- 143. What percentage of your farm size did adopt or apply the sustainable environmental practice in the last three years? (0-100%)
- 144. What are the major climate risk event(s) you experienced at your farm in the last three years?

 Multiple choice is allowed a. Extreme temperature b. Flooding c. Drought d. Windstorm e. Crop pest and disease outbreak f. Livestock pest/disease outbreak g. Bushfire 3 h. Others (specify)

J. Sustainable agricultural practices: Adoption on the farm

- 145. I have not used any synthetic fertilizers on my farm in the last three years.
 - [] Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree
- 146. I have not used any synthetic herbicide on my farm in the last three years.
 - [] Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree
- 147. I have not used any synthetic insecticide on my farm in the last three years.
 - [] Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree
- 148. I have planted Leguminous crops on my farm in the last three years.
 - [] Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree
- 149. I have applied compost/manure on my farm in the last three years.
 - [] Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree
- 150. I have applied mulching on my farm in the last three year.

 Strongly Disparce [1] Partly Agree [1] Neither agree per disparce [1] Partly Agree [1]
 - Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree
- 151. I have applied soil erosion prevention methods on my farm in the last three years.
 - [] Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree
- 152. I have practiced crop rotation on my farm in the last three year.
 - [] Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree
- 153. I have practiced agroforestry on my farm in the last three years.
 - [] Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree
- 154. I have practiced crop diversification on my farm in the last three years.
 - [] Strongly Disagree [] Partly Agree [] Neither agree nor disagree [] Partly Agree [] Strongly Agree

Questions for farming systems analysis: Productivity, economic security, and stability

- 155. What is the main activity of labour force and elders (>15yrs and older) crop, animals, household, off-farm, forest, fishing, charcoal, other
- 156. Evaluate quality of your soil.
 - very good, good, poor, very poor
- 157. Evaluate water availability in dry season. very good, good, poor, very poor
- 158. Indicate what crops have you grown in last 4-5 years (if yes, a) harvested area, b) harvest 50kg bag/ha)?

 1 maize, 2 rice, 3 cassava, 4 sorghum, 5 sweet potatoes, 6 pumpkins, 7 sugar cane, 8 peanuts, 9 vegetable, 10 trees
- 159. Indicate what crops do you grow now (if yes, a) sowing area, b) harvest 50kg bag/ha)?

 1 maize, 2 rice, 3 cassava, 4 sorghum, 5 sweet potatoes, 6 pumpkins, 7 sugar cane, 8 peanuts, 9 vegetable, 10 trees
- 160. What were the most important crops grown 4-5 years ago (maximum 3)?

 1 maize, 2 rice, 3 cassava, 4 sorghum, 5 sweet potatoes, 6 pumpkins, 7 sugar cane, 8 peanuts, 9 vegetable, 10 trees
- 161. What are the most important crops grown now (maximum 3)?

 1 maize, 2 rice, 3 cassava, 4 sorghum, 5 sweet potatoes, 6 pumpkins, 7 sugar cane, 8 peanuts, 9 –
- 162. Indicate crops were used as food 4-5 years ago (rank them according to importance/maximum 3)?

 1 maize, 2 rice, 3 cassava, 4 sorghum, 5 sweet potatoes, 6 pumpkins, 7 sugar cane, 8 peanuts, 9 vegetable, 10 trees
- 163. Indicate crops are used as food now (rank them according to importance/maximum 3)?

 1 maize, 2 rice, 3 cassava, 4 sorghum, 5 sweet potatoes, 6 pumpkins, 7 sugar cane, 8 peanuts, 9 vegetable, 10 trees
- 164. Indicate crops were grown for market 4-5 years ago (rank them according to importance, price per 50kg bag)? 1 – maize, 2 – rice, 3 – cassava, 4 – sorghum, 5 – sweet potatoes, 6 – pumpkins, 7 – sugar cane, 8 – peanuts, 9 – vegetable, 10 – trees
- 165. Indicate crops are grown for market now (rank them according to importance, price per 50kg bag)?

 1 maize, 2 rice, 3 cassava, 4 sorghum, 5 sweet potatoes, 6 pumpkins, 7 sugar cane, 8 peanuts, 9 vegetable, 10 trees

- 166. Did you have/raise any cattle 4-5 years ago? No/Yes (if yes number)
- 167. Do you have/raise any cattle now? No/Yes (if yes number)
- 168. Did you have/raise any goats 4-5 years ago? No/Yes (if yes number)
- 169. Do you have/raise any goats now? No/Yes (if yes number)
- 170. Did you have/raise any pigs 4-5 years ago? No/Yes (if yes number)
- 171. Do you have/raise any pigs now? No/Yes (if yes number)
- 172. Did you have/raise any sheep 4-5 years ago? No/Yes (if yes number)
- 173. Do you have/raise any sheep now? No/Yes (if yes number)
- 174. What were the most important products from animal production 4-5 years ago? 1 – young live animals, 2 – adult live animals, 3 – meat, 4 – skin, 5 – eggs, 6 – other
- 175. What are the most important products from animal production now? 1 – young live animals, 2 – adult live animals, 3 – meat, 4 – skin, 5 – eggs, 6 – other
- 176. Did you use following farming practices 4-5 years ago?

 1 planting trees in field/farm (agroforestry, windbreaks), 2 planting crops not to harvest them but for shading, attracting insects/pest etc. (cover crops), 3 add crop residues and other organic material to planting crops/trees (mulching/green manure), 4 growing more crops at same time at one field (intercropping), 5 changing the harvested areas every season with other crop (crop rotation), 6 other
- 177. Do you use following farming practices now?

 1 planting trees in field/farm (agroforestry, windbreaks), 2 planting crops not to harvest them but for shading, attracting insects/pest etc. (cover crops), 3 add crop residues and other organic material to planting crops/trees (mulching/green manure), 4 growing more crops at same time at one field (intercropping), 5 changing the harvested areas every season with other crop (crop rotation), 6 other