## COFFEE SURVEY

### Extensive Survey

<table>
<thead>
<tr>
<th>ID:</th>
<th>Household:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Name of head of hh: ___________________

Name of enumerator: ___________________

Date of interview: ___________________

Commune: ___________________________

Verification by: _____________________

Date of verification: ________________

Data entry by: _______________________

Date of data entry: _________________

---

1. A. Do you grow coffee?  _____ [q1a]
   - 1- Yes (go to sub-questions i. and ii. then to Q3)-------->>
   - 2- No

   i. Number of years farming ___ [q1ai]

   ii. Number of years growing coffee ___ [q1aii]

B. Would you like to grow coffee?  _____ [q1b]
   - 1- Yes
   - 2- No

C. What is the main reason stopping you from growing coffee?  _____ [q1c]
   (circle only one code)?
   - 1- Low income, low price
   - 2- Low productivity in this region
   - 3- Shortage of land
   - 4- Too complicated to grow, too demanding
   - 5- Not interested (reason: ______________)
   - 6- Lack of seedlings
   - 7- Lack of technical advise
   - 8- Lack of money to invest in coffee
   - 98- Other: ______________

D. Have you ever grown coffee in the past?  _____ [q1d]
   - 1- Yes
   - 2- No  (End of survey)

E. What is the last year that you planted coffee?  19 ___ [q1c]
   (999 - Do not know)

(End of Survey)
2. What is your age? (age of person in charge of the coffee, estimate if necessary) [q2]

3. List, in order of importance, three crops that are most important for income and also for consumption.

<table>
<thead>
<tr>
<th>Crops</th>
<th>Income</th>
<th>Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>1- Beans</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2- Peas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3- Peanuts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4- Soya</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5- Sorghum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6- Maize</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7- Wheat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8- Millet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9- Rice</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10- Cassava</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11- Irish potatoes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12- Sweet potatoes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13- Colocase</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14- Igname</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21- Bananas, cooking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22- Bananas, beer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23- Bananas, dessert</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30- Coffee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32- Tea</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60- Vegetables</td>
<td></td>
<td></td>
</tr>
<tr>
<td>85- Fodder crops</td>
<td></td>
<td></td>
</tr>
<tr>
<td>98- Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. What is the number and age of your coffee trees (begin with the oldest trees).

A. Age of trees (years)

<table>
<thead>
<tr>
<th>Years</th>
<th>q4a1</th>
<th>q4a2</th>
<th>q4a3</th>
<th>q4a4</th>
</tr>
</thead>
</table>

B. Number

<table>
<thead>
<tr>
<th>Number</th>
<th>q4b1</th>
<th>q4b2</th>
<th>q4b3</th>
<th>q4b4</th>
</tr>
</thead>
</table>

C. In Production?

1= Yes 2 = No

<table>
<thead>
<tr>
<th>q4c1</th>
<th>q4c2</th>
<th>q4c3</th>
<th>q4c4</th>
</tr>
</thead>
</table>

Total number of trees [9999 - Do not know number] [q4b]

D. What variety of coffee do you grow? [q4d]

1- Arabica only
2- Robusta only
3- Both arabica and robusta
4- Do not know
98- Other ________________________

5. A. Have you planted any new coffee trees in the past six years? [q5a]

1- Yes
2- No (go to Q6)
B. Where did you get the seedlings (the majority of the seedlings) ____ [q5b]
(circle only one code)

1- Nursery of OCIR, MINAGRI, commune, sector, project
2- Nursery of cooperative
3- Grew them by myself
4- Collected them from the field (wild)
98- Other:________________________________________

C. What is the spacing in your coffee plantation?
(Use the spacing of the most recent planting)

999 - Do not know [q5c1] meters by [q5c2] meters

6. A. Do you prune your coffee (gukata) (inclure la taille d’entretien)? _____ [q6a]

1- Yes (go to Q6c)
2- No

B. Are there any reasons that don’t allow you to prune? _____ [ q6b]
(circle only one code)

1- Shortage of labour
2- Loss of income due to loss of cherries
3- No particular reason
4- Trees are still too young
98- Other:________________________________________

(Go to Q7)

C. How often do you prune the same tree?

<table>
<thead>
<tr>
<th>Number of times per year</th>
<th>i. Pruning (gukata) [q6ci]</th>
<th>ii. Egourmandage [q6cii]</th>
</tr>
</thead>
<tbody>
<tr>
<td>95- Less than one month per year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>96- Whenever I pass through the plantation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

7. A. Do you weed your coffee (weeding whole plantation)? _____[q7a]

1- Yes
2- Non (go to Q8)

B. How many times per year do you weed your coffee (weeding whole plantation)?

999 - Do not know

8. Do you use mulch in your coffee plantation? __________ [q8]

1- Yes
2- No (go to Q12)
9. In order of importance, which types of products do you use for mulching and where do you get them?

**Products:**

1. Banana leaves or stems
2. Sorghum or maize stalks
3. Pennisetum grass/urukangaga
4. Papyrus reeds? Ishinge (Eragrotis)
5. Leaves/products from the forest
6. Grass grown specifically for mulching
98. Other: __________________________

**Source:**

1. Collected from own farm
2. Collected elsewhere without buying
3. Collected from own farm and elsewhere without paying
4. Bought all
5. Collected some without buying and bought others
98. Other: __________________________

10. Did you use manure or compost on your coffee trees: ——>

1 - Yes ——> A. During planting
2 - No ——> B. On trees in place (if yes *go to Q12*)

11. Is there a specific reason why you did not use dung or compost on trees already in place? (circle only one code) _______ [q11]

1- I don’t have animals / dung
2-
3- The soil is fertile enough
4- The mulch is enough and acts as compost
5- The dung or compost ..... 
6- I didn’t know ...
7- The dung favors pests ...
98- Other: __________________________

12. Did you use chemical fertilizers on your coffee trees?:—-> _______ [q12]

1- Yes (go to Q14)
2- No

13. Is there a specific reason why you did not use chemical fertilizers in your plantation? (circle only one code)? _______ [q13]

1- Fertilizers are not available in this region
2- Lack of money/cash to buy fertilizers
3- The soil is fertile enough
4- The mulch is enough and acts as fertilizer
5- Not profitable on coffee
6- I don’t know about chemical fertilizers
7- Makes the crop vegetate too much resulting in losses??
98- Other: __________________________
14. Do you use pesticides on your coffee trees? ________[q14]

1- Yes (go to Q16)
2- No

15. Is there a specific reason why you don’t use pesticides? ________[q15]

1- I don’t have information on their use/don’t know them
2- Not available in this region
3- No money/cash
98- Other:__________________________________ (Go to Q21)

16. What distance do you have to travel to obtain the pesticides?
Minutes of walking (one way only) Minutes ______[q16]

17. Are the pesticides then available:
1- Yes
2- No, never
3- No, not always
999 - Do not know

--> When needed? ______[q17a]

--> Available in sufficient quantities? ______[q17b]

18. How do you normally treat your coffee for pesticides (The two most important ways)

<table>
<thead>
<tr>
<th>1st</th>
<th>2nd</th>
</tr>
</thead>
<tbody>
<tr>
<td>1- With a cloth containing pesticides</td>
<td></td>
</tr>
<tr>
<td>2- With a sack that has a hole</td>
<td></td>
</tr>
<tr>
<td>3- With a personal machine for applying pesticides (powder form)</td>
<td></td>
</tr>
<tr>
<td>4- With a communal machine for applying pesticides (powder form)</td>
<td></td>
</tr>
<tr>
<td>5- With a sprayer</td>
<td></td>
</tr>
<tr>
<td>6- By vehicle/equipment of OCIR</td>
<td></td>
</tr>
<tr>
<td>7- By hand</td>
<td></td>
</tr>
<tr>
<td>98- Other:____________________</td>
<td></td>
</tr>
</tbody>
</table>

19A. How many times per year do you treat your coffee trees and during which months? (For a tree)?
Number of treatments per year ______[q19]
Month of treatment ______[q19a1] ______[q19a2] ______[q19a3] ______[q19a4] ______[q19a5]
999 - Do not know

19B. In your opinion what is the effect of the pesticide? (circle only one code) ______[q19b]

1- Very good
2- Good in general
3- OK
4- Not effective due to the resistance of insects
5- Not effective due to the method or timing of application
98- Other:____________________
C. Would you like to treat or use pesticides on your coffee trees?  
1- Yes
2- No (go to Q20)
3- No, but we have to improve current methods (Go to Q20)

D. Are you ready to pay if the price for treatment is 2 francs/tree, Meaning Frw _____ for all your trees?---->

1- Yes  ---> i. Pay cash?  |_____| [q19d1]
2- No  (**If yes go to Q20**)  
3- To consider  ---> ii. On coffee credit whatever the amount |_____| [q19d2]

20. Last year did you use coffee pesticides on other crops?  

1- Yes
2- No

*** (N.B. If the farmer has coffee trees that are less than 3 years old go to Q37)

21. How much time passes between picking the berries and depulping/washing them?  

1- The same day
2- The next day
3- Part of it is done the same day and the other part the following day
4- Part of it the next day and the other part two days after
98- Other:__________________________________________

22. What method do you use to depulp most of your coffee after harvesting?  

(circle only one code)?

1- Depulp using a stone (go to Q26)  
2- Sell the cherries to a washing station of OCIR (Nkore et Masaka), ( go to Q25 and then Q28)
3- Sell cherries elsewhere (go to Q25 then Q28)
4- Depulp using my own depulping machine at home
5- Depulp using machines of other people who move around from house to house
6- Depulp at a depulping centre of OCIR, MINAGRI, commune
7- Depulp with a depulping machine elsewhere
98- Other:__________________________________________

23. What type of depulping machine do you use for most of your coffee?  

(circle only one code)?

1- Locally made machine
2- Industrially made machine
98-Other:__________________________________________
24. How much do you pay for depulping?

A. Amount paid in Frw per sack of cherries Frw ______ [q24a]
B. Amount paid communally for the maintenance of the depulping machine or other equipment Frw ______ [q24b]
(N.B. if he pays in kind calculate the value in Frw)

25. What is the distance of the depulping machine from your home?

Minutes of walking (one way only) Minutes ______ [q25]

26. What do you do with the parchment coffee immediately after depulping? ______ [q26]

1- Dry it (go to Q28)
2- Leave it for some time in a container:----- rusty ______ [q26a]
    1- Yes
    2- No
3- Leave in a basket or sack
   98- Other:______________

27. How long do you leave it in that state? ______ [q27]

1- For only one night
2- For 24 hours
98- Other:________________

28. How do you dry your coffee?

A. Time under the sun (circle only one code): ______ [q28a]

1- Leave it under the sun intermittently in the beginning
2- Leave it under the sun intermittently after one day or more
3- Leave it under the sun until it dries
98- Other:________________

B. Drying surface/material (by order of importance):

1- Drying net/mesh
2- Concrete surface
3- Ikidasesa or coffee drying mat
4- Other ikidasesa or mat 1st ______ [q28b1]
5- Iron sheet
6- On the ground 2nd ______ [q28b2]
7- On a sack
98- Other:________________

C. Height of drying surface (Circle only one code, the most important): ______ [q28c]

1- Raised
2- On the ground
3- We use both methods
29. A. Have you pruned your trees for regeneration (Gusazura)? ______ [q29]
   1- Yes
   2- No

30. A. What did you do with the coffee harvested in the off-season (2001) (circle only one code)? ______ [q30a]
   1- Stored it until the official selling season
   2- No harvest in the off-season
   3- Sold it to traders at the price of ______ Frw/kilo ______ [q30a1]
   98- Other: _____________________________

   B. Quantity sold in kilos ________ _______ [q30b]

31. How much coffee did you produce, including the small quantities sold? (In kilos of cherries or parchment coffee)

<table>
<thead>
<tr>
<th>A. Year</th>
<th>B. Trees</th>
<th>C. Coffee</th>
<th>D. Coffee</th>
<th>E. Coffee</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in production</td>
<td>cherries</td>
<td>parchment</td>
<td>discarded</td>
</tr>
<tr>
<td></td>
<td>(Number)</td>
<td>(Kg.)</td>
<td>(Kg.)</td>
<td>(Kg.)</td>
</tr>
</tbody>
</table>

   2002 (forecast) ______ [q31b02] ______ [q31c02] ______ [q31d02] ______ [q31e02]
   2001 ______ [q31b01] ______ [q31c01] ______ [q31d01] ______ [q31e01]
   2000 ______ [q31b00] ______ [q31c00] ______ [q31d00] ______ [q31e00]

9999 - Do not know

Note: If the production does not correspond with the number of trees for a given year ask questions to clarify/correct the anomaly.

32. How much money did you make from coffee last year (2000)?

   9999999 - do not know ______ [q32] Total amount received ______ [q32]

33. If the amount does not correspond to kgs. produced 2001 x 200, ask why, the principal reason? (circle only one code) ______ [q33]

   1- The weight of the sack was not exactly 50 kilos
   2- He sold too early while the price was below 200 Frw
   3- The trader penalised him on the price because of the low quality of coffee
   4- The trader cheated him on the price
   5- The trader told him that the price in Kigali is down
   6- The trader cheated him on the weight
   7- The farmer got mixed up in answering the questions
   8- He has not yet sold all his coffee
   98- Other: _____________________________
34. A. Did the trader cheat you on kilos?  __________ [q34a]

1- Yes
2- No (go to Q35)
(If yes, verify that the kg which were reduced are the ones reported in Q31)

B. How many kilos did he cheat you out of?

999 - Do not know  Total kilos reduced |_______| [q34b]

C. What was his reason?  __________[q34c]

1- Low quality - true
2- Bad quality - not true
3- Took advantage of limited market opportunities
4- To repay a debt
5- He did not give a reason
98- Other:________________________________________

35. A. Have you ever taken credit (money or goods) to be repaid back by coffee?

1- Yes  __________ [q35a]
2- No (go to Q36)

B. When was the last time you did this?  Year |______| [q35b]

C. Did he give you the official price for the correct quantity when you sold him the coffee?  __________[q35c]

1- Yes
2- No, he penalised me |_______| Frw per kilo because of the credit  [q35c2]
3- No, he reduced |_______| kilos of coffee because of the credit  [q35c3]
4- No, he penalised me on the price and the quantity because of the credit (fill in no. 2 and 3).
5- No, but not due to the credit.
98- Other:________________________________________

36. A. Whom did you sell your coffee to last year (2001)?

1- Licensed roving trader  I owed them money?  Price
2- Licensed trader with a fixed store  1=yes  Received
3- Un-licensed trader roving trader  Kilos  2=No  per Kilo
4- Un-licenced trader with fixed store  Buyer  sold
5- Rwandex
6- To a cooperative  __________ [q36a1]  __________ [q36b1]  __________ [q36c1]  __________ [q36d1]
7- To an OCIR washing station (cherries)  __________ [q36a2]  __________ [q36b2]  __________ [q36c2]  __________ [q36d2]
98- Other:__________________________  __________ [q36c3]  __________ [q36c3]  __________ [q36c3]  __________ [q36d3]
37. If there was a system to control the quality where the price reduced if the quality was low, would you be willing to control the quality of your coffee if the price of good quality coffee was 200 Frw/kilo as opposed to 200 Frw/kilo for medium quality coffee?

_____ [q37]

1- Yes
2- No

38. What price of coffee would correctly compensate your input on coffee activities?

Frw/kilo ______ [q38]

39. A. If you had the choice to do whatever you wanted to do with your coffee trees what coffee price would make you abandon your coffee?

Frw/kilo ______ [q39a]

995 - I would wait for the price to raise (therefore, no low price)
997 - Fears the authorities to say anything (doesn’t say anything)
999 - Do not know

B. What coffee price will make you uproot your coffee trees?

Frw/kilo ______ [q39b]

995 - No price
997 - Fears the authorities to say anything (doesn’t say anything)
999 - Do not know

40. What price will make you increase the number of trees?

Frw/kilo ______ [q40]

995 - No high price (impossible or doesn’t want to increase)
998 - Does not want to say
999 - Do not know

41. What do you plan to do with your coffee in the near future (from now to 2003)? (Circle only one code)?

1- Replace it with another crop such as (by order of importance)

_____ [q4111] _____ [q4112]

2- Maintain the same area under coffee but practice mixed cropping with other crops such as (in order of importance)

_____ [q4121] _____ [q4122]

3- Reduce the area under coffee at the expense of crops such as (in order of importance),

_____ [q4131] _____ [q4132]

4- Maintain the same area under coffee (go to Q43)

5- Increase the number of trees, 200 Frw per Kg is good for me

98- Other:__________________________

Crop Codes

1- Beans
2- Peas
3- Peanuts
4- Soya
5- Sorghum
60- Vegetables
6- Maize
7- Wheat
8- Rice
10- Cassava
11- Irish potatoes
85- Fodder crops
12- Sweet potatoes
13- Colocase
20- Bananas
30- Coffee
32- Tea
98- Other:__________________________
42. Is there a specific reason for these intentions (circle only one code)? ______[q42]
   1- Coffee does not give enough income, price too low
   2- No, no particular reason
   3- Coffee is not productive in this region
      4- There isn’t enough land for coffee / it’s reserved for the food crops
      5- Growing coffee is too demanding/complicated
      6- Growing coffee is not interesting
         (Reason:____________________________________)
   9- Shortage of labour for coffee growing
   10- Coffee gives more income when it’s grown by itself (pure stand)
   11- Mixed cropping gives more income
   13- Shortage of food
   14- Fear of authorities
   15- Too old to do otherwise
   98- Other:_________________________________________
      (To ask only if they have coffee trees over 30 years old)

43. After all these questions what are your recommendations for improving coffee?
   1- Standardise the quality of coffee by traders
   2- Control better the activities of traders with respect to price
   3- Provide fertilizers
   4- Provide / improve pesticides
   5- Provide tools for applying pesticides
   6- Provide tools for pruning
   7- Provide washing stations or place them nearer
   8- Provide drying mats
   9- Provide spraying pesticides
   10- Replace mulching material that is currently very expensive
   11- Replace mulching material that brings pests for coffee
   12- Avoid price drops / increase the price 1st  ______[q431]
   13- Improve the quality / period of pesticide treatment of OCIR
   14- Improve the quality / provide serious extension agents
   15- Provide stores for buying inputs and selling coffee 2nd  ______[q432]
   16- Evaluate better whether it’s necessary to keep the coffee
       3rd  ______[q433]
   17- Resolve the disease problem
   18- ___________________________________________________________ 4th  ______[q434]

Special notes: (Indicate the number of the question)