

**BUILDING RESILIENT SEED SYSTEMS FOR COCOA AND COFFEE VALUE CHAINS TO STRENGTHEN
FOOD AND ECONOMIC DIVERSIFICATION IN LIBERIA (SEEDS4LIBERIA)**

Questionnaire for Cocoa and Coffee Buyers

Hello, my name is (INTRODUCE YOURSELF). I am assisting the International Institute of Tropical Agriculture (IITA) in conducting a baseline study on Building Resilient Seed Systems for Cocoa and Coffee Value Chains (Farmers, Buying agents, Input Dealers & Policy Makers) to Strengthen Food and Economic Diversification in Liberia (Seeds4Liberia). I would like to ask you some questions related to your Cocoa and Coffee production, planting materials awareness, source and utilization, , soil fertility management, climate change effect and coping mechanisms, awareness and implementation of conservation farming systems, production, marketing and traceability. This study will all together take approximately 15 minutes to 1 hour depending on the stakeholder you are. Your participation is voluntary. Your refusal to participate or to withdraw from the study carries no penalty or loss of any benefits. You are free to not answer any of the survey questions. However, your participation will be valuable for the research we are conducting to impact farmers livelihood in Liberia. All information provided by you will be kept confidential including your identity, households name, land size and income etc. Your privacy will be protected to the maximum extent allowable by law. Only the scientists from IITA will have access to the data. Your identity will never be included as part of the published results of this research. If you have any questions or concerns, you can contact Dr. Ranjana Bhattacharjee (R.Bhattacharjee@cgiar.org), Richared Asare (R.Asare@cgiar.org); Prof. Peter Aikpokpodion (paikpokpodion@gmail.com), Dr. Mesay Yami (m.gurmu@cgiar.org)

<Enumerator: pause and respond to any questions raised, then continue with the following statement>.

May we start this study? **By continuing** your participation, you indicate your **willingness to voluntarily participate** in all the components of this study.

SECTION A. DEMOGRAPHIC AND SOCIO-ECONOMIC CHARACTERISTICS

1. State
2. Local Government Area
3. Town/Village..... stores address.....
4. Location coordinates: Long.:Lat:.....
5. Sex (a) Male (b) Female
6. Marital status (a) Single (b) Married (c) Divorced (d) Widowed
7. Age
8. Level of education (a) No formal education (b) Primary education (c) Secondary education (d) Tertiary education
9. Please select the focus commodity value chain 1= Cocoa, 2= Coffee
10. How long have you been in the focus value chain commodity marketing?
11. Did you receive any formal training on the focus value chain marketing? (a) Yes (b) No
12. Who trained you? a. NGO's, b. Government c. Other agro-dealers d. Cooperatives e. Processors f. Exporter, g. Others
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12. Apart from the focus value chain commodity marketing, which other job are you engaged in?
13. At what level of market do you operate? How would you describe your main marketing activity -operate? (a) Local buying agents (b) Licensed buying agents (c) Exporter (d) Local/Licensed buying agent.
14. Do you belong to any commodity group? (a) Yes (b) No
15. If yes, which one of the following **socio-economic** group do you belong to? (a) Cocoa/coffee Association of Liberia (b) Cocoa/coffee Farmers Association of Liberia (c) Cocoa/coffee traders association of Liberia (d) Cooperative (e) Other(s) (specify)

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16. Do you have an organic certification (1- Yes 2- No)

17. Does your buyer demand organic beans only (1- Yes 2-No)

16. Do you hold any executive position in the association (a) Yes (b) No

17. What is/are the activities of these **socio-economic group**? (a) To render financial aid to the members (b) To assist the members to source for the focus value chain beans to buy (c) To assist the members to source for markets of the beans (d) Any other activity (specify)

19. On average what quantity of beans did you buy in last production seasonkg

18. From which source do you buy beans (Multiple answer)? (a) Farmers (b) Cooperatives, (C) Local buying agents (de) Licensed buying agents (ed) Other source (specify)

19. The share usually purchased from each particular groups (%) (link to the above multiple answer)

19. What price do you buy beans per kg (link to the above multiple answer)?

19. On average what quantity of beans did you buy in yearkg

19. What price do you buy beans per kg?

20. Do you keep the records of names of people you buy the beans from? (a) Yes (b) No

21. If yes, which of the following does the register contain (multiple answer) a. name of customer b. address of customer c. date of purchase d. quantity purchased e. amount paid per kilogram

22. Can we have a look at the record book? (a) record book seen (b) record book not seen

23. Do you label the beans bought with the source from where it is purchased in order to enhance the traceability of such beans in the future? (a) Yes (b) No

24. Do you separate beans bought on community basis? (a) Yes (b) No

25. How long do you segregate before bulking? (days)

26. What activities do you carry on the focus value chain while in store? Activity 1 Activity 2 Activity 3

27. How do you differentiate good beans from bad ones? a.....

c.....

b..... d.....

29. What quality parameters do you determine/verify quality when buying (multiple answer)? (1) Properly dried

2. Beans uniform quality and color (3) Lower pesticide residues (4) Organic nature, (5) Rain forest/growing under shade, (6) Labour standards relating to child labour

28. What do you understand by premium and how do you rate premium? (a) Quality (b) Quantity (c) Both

29. Do you offer premium price to farmers **for good quality**? (a). Yes (b). No

If yes, how do you determine that farmers product meets the quality for the premium? (1) Properly dried

2. Beans uniform quality and color (3) Lower pesticide residues (4) Organic (no chemical used), (5) Rain forest/growing under shade, (6) Labour standards relating to child labour

30. Apart from labeling, is there any other way traceability can be achieved? (a) Yes (b) No

31. If yes, please state them (a).....

32. Is your organization or firm involved in carrying out a child labor risk assessment and adoption mitigation plans in the states where you operate? Yes No

33. Do you make it known to the farmers that it is possible to trace their beans to them in the future and hence importance of producing good quality beans? (a) Yes (b) No

33. What are the other benefits that Do you engage with your bean suppliers in any of the following ways-? (Select all that apply) your beans suppliers (especially farmers) derive from you? (a) provision of loans/financial assistance (b) provision of inputs on credit (c) Provision of training and a Advisory services to the farmers on the best way to do their work apply GAPs (postharvest protocols for fermentation and drying) (d) training/workshops to the farmers periodically (e) Provide logistics for picking up the beans from farmers or the market (f) Any other benefit (specify)

34. Do you require farmers that supply you to carry certain practices? 1=Yes, 2=No

If yes, what practices do you require? 1. Postharvest protocols for fermentation and drying 2. Organic (no chemical used) 3. Lower pesticide residues 4. Labour standards relating to child labour, 5=Others (specify)

35. If yes, how do you confirm that farmers followed those practices? 1= we send agents to check 2= by the quality of the product 3= other, specify

34. Who do you sell your beans to for the last transaction (multiple answer)? (a) Local buying agents (non-licensed) (b) Licensed buying agents (c) Exporters (d) Local processors (e) Multinational companies (e) Others (specify)

35. The share of sales from each particular groups (%) (link to the above multiple answer)

35. At what price did you sell your beans per kg 19. At what average price do you sell beans per kg (link to the above multiple answer)?

? a. 2021..... b. 2022, 2023 season.....

SECTION B. OUTPUT/ INPUT USED IN MARKETING ACTIVITIES

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36. Do you dry bean after purchase for the last transaction? 1. Yes 2-No?
37. Do you apply sorting for the last transaction? 1. Yes 2-No?
Do you clean the beans for the last transaction? 1. Yes 2-No?
Do you blend for the last transaction? 1. Yes 2-No?
How did you acquire the produce store from which you are carrying out your operations? (a) Self Owned/Built (b) Rented (c) Inherited
37. How much does your store worth per month?
38. How much do you use to maintain the facility per month (LRD)?
39. "How did you move the product from your supplier to your shop?...1=My own personal vehicle 2=I moved it but I hired transportation 3= the buyer arranged the drop off 3=Other (specify). If option 1 or 2 are selected, then go to the next question else skip to next relevant question.

41. If you don't own your own transportation how do you move your produce to your store from the seller? (a) By head (b) Bicycle (c) Motor bike (d) Motor car (e) Pick-up fan (f) Lorry (g) Animal 46. How much do you pay for the movement per kilogramme?
"How did you move the product from your your shop to your buyers location?...1=My own personal vehicle 2=I moved it but I hired transportation 3= the buyer arranged the pick up 3=Other (specify). If option 1 or 2 are selected, then go to the next question else skip to next relevant question Do you have your own means of transportation? (a)Yes (b) No
40. If yes, in what form? (a) Pick-up Van (b) Lorry (c) car (d) Bike (e) Bicycle (f) By head (g) Animal
41. If you don't own your own transportation hHow do you move your produce to your store from the seller? (a) By head (b) Bicycle (c) Motor bike (d) Motor car (e) Pick-up fan (f) Lorry (g) Animal 46. How much do you pay for the movement per kilogramme?
47. If you don't own your own transportation, hHow do you move your produce from your store to the exporter?V(a) By head (b) Bicycle (c) Motor bike (d) Motor car (e) Pick-up fan (f) Lorry (g) Animal 48. How much do you pay for the movement per kilogramme?
49. Do you make use of electricity in your store? (a) Yes () (b) No ()
50. If yes, how much is your electricity bill per month (LRD)
51. What kind of Do you use fuel do you use (petrol/ diesel) to operate generator? (a) Fuel/petrolYes () (b) dieselNo(c) I don't have a generator
52. If (a) or (b)yes, how much do you spend on the fuel in a week (LRD)?
53. Do you have access to credit? (a) Yes () (b) No ()
54. If yes, which of the following provides you with the credit?
(a) Friends/ relatives (b) Cooperatives (c) Banks (d) Local money lenders (e) Government (f) Non-Governmental Organizations (NGOs) (g) Others (specify)
55. How much did you borrow in the last production season?
56. What was the money borrowed used for?
(a) To re-invest into the focus value chain marketing business
(b) To invest it on the other business that I do apart from focus value chain marketing business (c) To spend it on social ceremonies such as wedding, burial, church/mosque activities etc (d) Other(s) Specify
57. What is the interest (%) on the loan per year?
58. What is the payback period?
59. Where do you store the beans after purchase? 1. Warehouses 2. Stores 3. Shades 4. Others
59. How long do you keep your focus value chain produce in the store before selling?..... days
60. What postharvest storage technology did you use for the last transaction? 1. Hermetic bags 2. Jute bags 3. hyna/aromiyo bags 4. rice /fertilizer bags 5.Other (specify).

60. How often do you clean your storage facility? 1. Daily, Weekly, Once in two days
61. Do you check the moisture content of beans before storage for the last transaction? 1. Yes 2. No
60. Do you preserve your stored beans.? (a) Yes () (b) No ()
61. If yes, with which of the following chemicals do you preserve the cocoa beans? (a) Insecticides (b) Rodenticides (c) Others (specify)
62. Specify (a)Insecticide
(b)Rodenticide.....
63. What is the quantity in gramme of the chemical used per tonne?
64. What is the quantity in litre of the chemical used per tonne?
65. What is the cost per gramme of the chemical (LRD)?
66. What is the cost per litre of the chemical (LRD)?
67. Does government fumigate your store for you? (a) Yes (b) No
68. If No, how do you fumigate?
(a) Self (b) Contracted to experts (c) Others (Specify)
69. How many hours does your organization work in a day?
70. How many workers do you have, please specify:

| | | |
|------|---------|-----------|
| Item | Skilled | Unskilled |
|------|---------|-----------|

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| Number | Male adult (>18 years) | Adult female>18 years | Male adult (>18 years) | Adult female>18 years |
|--------------------|------------------------|-----------------------|------------------------|-----------------------|
| Number | | | | |
| Monthly pay/person | | | | |
| Weekly pay/person | | | | |

71. What was the quantity of focus value chain purchased (in kg) in the last production season?

72. What was the price per kg?

73. What was the quantity of focus value chain sold (in kg) in the last production season?

74. What was the price per kg?

SECTION C. GOVERNMENT POLICY

75. Do you pay tax/levy to government at any level? (a) Yes (b) No

76. Which types of levies do you pay to government on focus value chain? a. Federal government levy b. State government levy 3. Local government levy Community levy Association levy, Others (specify)

77. If yes, please complete the following table for 2022 production season

| Level of government | Amount paid (LRD) |
|---------------------|-------------------|
| Federal government | |
| State government | |
| Local government | |
| Community | |
| Association | |

78. Do you receive subsidies from government in any form? (a) Yes (b) No

79. If yes, please complete the following table for last production season

| Level of government | Subsidy type | No. of units | Rate per unit | Amount (LRD) |
|---------------------|---|--------------|---------------|--------------|
| Federal government | [1=weighting scale, 2=Jute bag 3=Preservative chemical, 4=Others (specify)] | | | |
| State government | [1=weighting scale, 2=Jute bag 3=Preservative chemical, 4=Others (specify)] | | | |
| Local government | [1=weighting scale, 2=Jute bag 3=Preservative chemical, 4=Others (specify)] | | | |
| Community | [1=weighting scale, 2=Jute bag 3=Preservative chemical, 4=Others (specify)] | | | |
| Association | [1=weighting scale, 2=Jute bag 3=Preservative chemical, 4=Others (specify)] | | | |

80. Do you use the phone to receive or send information for marketing, trade or business deals? (a) Yes (b) No

81. Do you prefer to receive market or trade information through phone? (a) yes (b) No

82. What is the common mode of receiving information on marketing your focus value chain? (a) Radio (b) TV (c) Mobile phone (d) WhatsApp (e) Neighbours (f) Others (specify)