

Cocoa Producers' Questionnaire

The following questionnaire was designed for an investigation on **Organic Cocoa Producers in São Tomé and Príncipe (STP): Value Chain, Governance and Sustainability**, to achieve the Doctor's Degree in Agribusiness and Sustainability from the Universities of Évora and Trás-os-Montes and Alto Douro.

Your answers on a series of questions related to your organic cocoa production, will contribute to this work, which objective is to understand the effect of value chain governance mechanisms and national policies on small cocoa producers in STP, focusing on organic cocoa, and the attitudes towards risks that affect sustainability. All data collected will be treated confidentially.

The Quiz has three sections (A, B and C), please try to answer all the questions. Thank for your collaboration.

Ibrahim dos Prazeres

A. CHARACTERIZATION OF THE HOUSEHOLD

A1. HUMAN CAPITAL

P1. Are you the head of the household?

- Yes (GO TO P3) No (GO TO P2)

P2. How do you relate to the head of the household?

P3. Gender (of the head of the household)

- Female Male

P4. Age (of the head of the household)

P5. Marital Status (of the head of the household)

P6. Please indicate how many people live in your house, specify age gap, gender and workplace (not including the head of the family):

Age Gap	Female (Amount)	Male (Amount)	Works in the family's land parcel (YES NO)	Works outside the family's land parcel (YES NO)
Below 5 years old				
5-18 years old				
19-65 years old				
Over 65 years old				

P7. Of the people who work temporarily or permanently in the fields ('roça'), how many are:

- Members of the family who live in your household: _____
- Members of the family who do not live in your household: _____
- People who are not related to you: _____
- Solely the head of the household works in the fields (Yes or No): ____

P8. The people who live in your household, when they work the fields they have (select all the options necessary):

- Permanent job with a fixed salary
- Permanent job with a variable pay
- Temporary job with a fixed salary
- Temporary job with variable pay
- Other, which? _____

P9. The remaining people (relatives who do not live in your household and other workers) when working on the family fields they have (select all the options necessary):

- Permanent job with a fixed salary
- Permanent job with a variable pay
- Temporary job with a fixed salary
- Temporary job with variable pay
- Other, which? _____

P10. People who inhabit the household, when they work OUTSIDE the family fields they have (select all the options necessary):

- Permanent job with a fixed salary
- Permanent job with a variable pay
- Temporary job with a fixed salary
- Temporary job with variable pay
- Other, which? _____

P11. Of these income sources, please identify which ones are permanent (P), temporary (T) or non-existent (I) in your household (select all the options necessary). Additionally, please estimate the percentage these represent in terms of your monthly income.

Monthly income sources	P	T	I	% do Total
Agricultural produce sale				
Agricultural wages outside the farm/fields				
Non-agricultural wages outside the farm/fields				
non-agricultural owned business				
Subsidy human development				
Family remittances/consignments				
Pension(s)				
Other sources?				

P12. What is the level of education of the head of the household?

- Unschooler
- Primary school
- Secondary School
- Higher Education

P13. In addition to formal education, in the last year have you participated in any courses, workshops or training?

- Yes (GO TO P14)
- No (GO TO P15)

P14. In what subjects did you receive training?

P15. Could you please state which social class you identify with?

- Upper Class Upper Middle Class Middle Class
- Working Class Lower Class Extreme Lower Class

P16. Could you please identify which ethnic group your family identifies with?

- Mixed Race White Black

A2. NATURAL CAPITAL

Please complete the following information:

Produce/Crops	1	2	3	4	5
P17. Which crops/produce did you work on last year? (Identify all you have worked on)					
P18. The land where you worked on those crops was your own (P), rented (A), borrowed (E), community owned (C), other (O)					
P19. The land area devoted to each of these crops was approximately from? (Choose acres/parcels – Scratch what does not apply):					
P20. In the past year (2020), approximately how many kg of those crops did you harvest?					
P21. Of the crops produced, what percentage was used for sale purposes?					
P22. Approximately how much of these productions were marketed (kg, etc.)?					
P23. With whom did you sell these productions: local buyers (CL), international buyers (CI), cooperative (C), association (A), exporter (E), factory (F), other (O)?					
P24. Of the crops produced, what percentage was used for private in- house consumption?					
P25. Of the crops produced, what percentage was used to pay off loans/ other reasons?					
P26. The water used for these plantations derives mainly from: rain water (AC), river (R), piped water (C), other (O)					
P27. During the <i>Gravana</i> how frequently did your family had access to water to use for cultivation? Permanent (P), Weekly (S), fortnightly (Q), monthly (M), other (O)					
P28. During the rain season how frequently did your family had access to water for cultivation? (Permanent ,Weekly ,fortnightly, monthly, othe)					
P29. The type of seed used for these products comes from: own production (PP), Cooperative (C), CIAT (CI), Ministry of Agriculture (MA), purchased (A), other (O)					

P30. How many hectares/plots of your own land are unused?

A3. PHYSICAL CAPITAL

Please complete the following information:

1	2	3	4
Activity: _____	P31. For each of the activities in column 1, identify if machinery is used or not (YES or NO)	P32. For those activities you answered YES to in column 2, identify the type of access (see alternatives P32.)	For activities which the answer was YES and with owned access, what was the most important factor for the acquisition? (See alternatives Q33.)
Plow/ Land preparation			
Seeding			
Weed Control			
Harvest			
Grain Drying			
Product Weighing			
Product Packaging			
Product Transport			
Others:			

Please fill in the blank columns with the required information:

Alternatives P32					
Owned	Rented	Borrowed	Public	Common	Others

Alternatives P33				
Own resources	Credited	State Parcel	Inheritance	Others (which?)

Please fill in the blank columns with the required information:

1	2
Options	P34. Indicate whether or not you have access to each of the options in column 1 (YES or NO)
Potable Water	
Electricity	
Crop Storage	
Transportation	
Passable Road	
Landline	
Mobile Phone	
Internet	
TV, radio and other information mediums	
Health Center, Hospital or Clinic	
School, University or Educational Center	
Agricultural/ Veterinary Extension	

A4. FINANCIAL CAPITAL

P35. Where do you normally keep your savings?

- Bank Cooperative Savings Bank Normal account/common boxes None

P36. Are you a beneficiary of any State or Institutional Development Subsidy?

- Yes No

P37. Are you a beneficiary of any other Subsidy?

- Yes No

P38. Do you have a family member who regularly sends you money?

- Yes No

P39. Do you have some kind of insurance against production losses due to rain, drought, fire, etc.?

- Yes No

P40. Have you or a member of your family applied for a loan that is still in effect?

- Yes (GO TO P41 and P42) No (GO TO P43)

P41. The loan was requested from:

- Family Neighbors Moneylender Cooperative Private Bank Public Bank

P42. The primary use of this loan was:

- Cocoa Renovation Renovation of other productions
 Land Purchase Home Reparations
 Consumption (health, education, goods)
 Other use, which? _____

A5. SOCIAL CAPITAL

P43. Do you, or any member of your family belong to an organization (agriculture, neighbors, etc.)?

- Yes (GO TO P44 AND P45) No (GO TOP46)

P44. What type of organization do you most actively participate in?

- Cooperative CECAB Cooperative CECAC11
 Neighborhood Committee Other, which?_

P45. So far, you consider that the benefit you have gained from being a member of this organization has been:

- None Little Average
 High Very high

How would you rate your level of confidence in:

Options	None	Little	Average	High	Very High
P46. Neighbors					
P47. Organizations you belong to					
P48. Intermediaries /buyers of your products/ production					
P49. District Chamber					
P50. Local Municipality					
P51. Cooperative(s)					
P52. National Government					
Other. Which:					

P53. How did you obtain information regarding the prices of the products you sell?

- Neighbors
- Through the Cooperative
- When meeting buyers (intermediaries, exporters)
- Through radio, press, TV, internet.
- Through local administration (Agriculture Services, Parish Council, District Chambers, etc.).
- Through central government.

P54. How did you learn the ideal times for planting, harvesting and other agricultural activities?

- Neighbors
- Through the Cooperative
- Self-taught
- Through radio, press, TV, internet
- Through local administration (Agriculture Services, Parish Council, District Chambers, etc)
- Through central government

P55. How did you learn about the risks of floods, droughts, fires, other?

- Neighbors
- Through the Cooperative
- Self-taught
- Through radio, press, TV, internet
- Through local administration (Agriculture Services, Parish Council, District Chambers, etc)
- Through central government

Q56. How did you know the best types of crops to cultivate?

- Neighbors
- Through the Cooperative
- Self-taught
- Through radio, press, TV, internet
- Through local administration (Agriculture Services, Parish Council, District Chambers, etc)
- Through central government

B. RISK PERCEPTION AND ATTITUDE

B1. PROBABILITY OF OCCURENCE (LOW=1 HIGH =7)

What are the chances of the following events happening in your farm in the near future?

		Low Probability (1)				High Probability (7)		
		1	2	3	4	5	6	7
P57.	Loss of production due to excessive rain	1	2	3	4	5	6	7
P58.	Loss of production due to severe drought	1	2	3	4	5	6	7
P59.	Loss of Production due to plagues and diseases	1	2	3	4	5	6	7
P60.	Excessive reduction of the commercialization price of your produce	1	2	3	4	5	6	7
P61.	Excessive increase of the input costs of your agriculture produce	1	2	3	4	5	6	7
P62.	Low income in comparison to costs, over a long period of time	1	2	3	4	5	6	7
P63.	Unexpected changes in the government's economic policies (farm negative impact)	1	2	3	4	5	6	7
P64.	Cancellation of government agricultural aid programs (kits, insurance, training,...)	1	2	3	4	5	6	7
P65.	Disappearance of cooperatives/agricultural associations in this sector	1	2	3	4	5	6	7
P66.	Deterioration of roads and pathways for the transportation of produce	1	2	3	4	5	6	7
P67.	Increase in intermediaries, who obtain greater profit	1	2	3	4	5	6	7
P68.	Registration of National Cocoa Support Policies	1	2	3	4	5	6	7
P69.	Lack of guidance on which cultures to produce/plant	1	2	3	4	5	6	7
P70.	Registration of policies to better the commercialization conditions	1	2	3	4	5	6	7
P71.	Compliance with contractual conditions by companies (Exporters, etc.)	1	2	3	4	5	6	7
P72.	Mixes between national BIO cocoa and others at the time of sale.	1	2	3	4	5	6	7
P73.	Disappearance of government support programs for BIO cocoa	1	2	3	4	5	6	7
P74.	Personal Issues that negatively affect the farm	1	2	3	4	5	6	7
P75.	Discrimination in the delivery of seeds and inputs	1	2	3	4	5	6	7

B2. IMPACT SEVERITY (LOW=1 HIGH =7)

What would be the impact on your farm if the following events occurred?

		Low Impact (1)			High Impact (7)			
		1	2	3	4	5	6	7
P76.	Loss of production due to excessive rain	1	2	3	4	5	6	7
P77.	Loss of production due to severe drought	1	2	3	4	5	6	7
P78.	Loss of Production due to plagues and diseases	1	2	3	4	5	6	7
P79.	Excessive reduction of the commercialization price of your agriculture produce	1	2	3	4	5	6	7
P80.	Excessive increase of the input costs of your agriculture produce	1	2	3	4	5	6	7
P81.	Low income in comparison to costs, over a long period of time	1	2	3	4	5	6	7
P82.	Unexpected changes in the government's economic policies (farm negative impact)	1	2	3	4	5	6	7
P83.	Cancellation of government agricultural aid programs (kits, insurance, training,...)	1	2	3	4	5	6	7
P84.	Disappearance of cooperatives/agricultural associations in this sector	1	2	3	4	5	6	7
P85.	Deterioration of roads and pathways for the transportation of produce	1	2	3	4	5	6	7
P86.	Increase in intermediaries, who obtain greater profit	1	2	3	4	5	6	7
P87.	Registration of National Cocoa Support Policies	1	2	3	4	5	6	7
P88.	Lack of guidance on which cultures to produce/plant	1	2	3	4	5	6	7
P89.	Registration of policies to better the commercialization conditions	1	2	3	4	5	6	7
P90.	Compliance with contractual conditions by companies (Exporters, etc.)	1	2	3	4	5	6	7
P91.	Mixes between national BIO cocoa and others at the time of sale	1	2	3	4	5	6	7
P92.	Disappearance of government support programs for BIO cocoa	1	2	3	4	5	6	7
P93.	Personal Issues that negatively affect the farm	1	2	3	4	5	6	7
P94.	Discrimination in the delivery of seeds and inputs	1	2	3	4	5	6	7

B3. DEGREE OF CONTROL (LOW=1 HIGH =7)

To what extent do you consider that you can influence the occurrence or impact of the following events:

		Low influence (1)			High Influence (7)			
		1	2	3	4	5	6	7
P95.	Loss of production due to excessive rain	1	2	3	4	5	6	7
P96.	Loss of production due to severe drought	1	2	3	4	5	6	7
P97.	Loss of Production due to plagues and diseases	1	2	3	4	5	6	7
P98.	Excessive reduction of the commercialization price of your produce	1	2	3	4	5	6	7
P99.	Excessive increase of the input costs of your agriculture produce	1	2	3	4	5	6	7
P100.	Low income in comparison to costs, over a long period of time	1	2	3	4	5	6	7
P101.	Unexpected changes in the government's economic policies (farm negative impact)	1	2	3	4	5	6	7
P102.	Cancellation of government agricultural aid programs (kits, insurance, training,...)	1	2	3	4	5	6	7
P103.	Disappearance of cooperatives/agricultural associations in this sector	1	2	3	4	5	6	7
P104.	Deterioration of roads and pathways for the transportation of produce	1	2	3	4	5	6	7
P105.	Increase in intermediaries, who obtain greater profit	1	2	3	4	5	6	7
P106.	Registration of National Cocoa Support Policies	1	2	3	4	5	6	7
P107.	Lack of guidance on which cultures to produce/plant	1	2	3	4	5	6	7
P108.	Registration of policies to better the commercialization conditions	1	2	3	4	5	6	7
P109.	Compliance with contractual conditions by companies (Exporters, etc.)	1	2	3	4	5	6	7
P110.	Mixes between national BIO cocoa and others at the time of sale	1	2	3	4	5	6	7
P111.	Disappearance of government support programs for BIO cocoa	1	2	3	4	5	6	7
P112.	Personal Issues that negatively affect the farm	1	2	3	4	5	6	7
P113.	Discrimination in the delivery of seeds and inputs	1	2	3	4	5	6	7

B4. PREFERENCE FOR RISK MANAGEMENT TOOLS (LOW=1 HIGH= =7)

To what extent do you consider the following actions adequate or inappropriate to face your crop problems:

		Low influence (1)			High Influence (7)			
P114.	Keep money stored away for periods of greater adversity	1	2	3	4	5	6	7
P115.	Plant different products at the same time (diversification)	1	2	3	4	5	6	7
P116.	Keep different sources of income (produce sale, agricultural tourism)	1	2	3	4	5	6	7
P117.	Make produce sale contracts with companies in advance	1	2	3	4	5	6	7
P118.	Earn income outside the farm	1	2	3	4	5	6	7
P119.	Seek help at a farmer association	1	2	3	4	5	6	7
P120.	Invest in better techniques for the farm	1	2	3	4	5	6	7
P121.	Invest in land increase for the farm	1	2	3	4	5	6	7
P122.	Work harder during difficult periods	1	2	3	4	5	6	7
P123.	Quit buying things that aren't for the farm	1	2	3	4	5	6	7
P124.	Contract an agriculture insurance	1	2	3	4	5	6	7
P125.	Avoid taking large bank loans	1	2	3	4	5	6	7

P. 126 In addition to those mentioned above, what other actions would you take in the future to address the problems that normally arise on your property (roça): (open question).

C. PERCEIVED VALUE OF JOINING THE COOPERATIVE

P. 127 What is your assessment of the benefit and cost of working with the Cooperative? (CECAC11/CECAB), please consider what you get from it and what you give to it. Make this assessment based on the scale ranging from "totally disagree" to "totally agree".

Scale		Totally disagree	Highly disagree	Slightly disagree	I don't disagree nor agree	Slightly agree	Highly agree	Totally agree
F1	The work (connection) with the cooperative is as agreed							
F2	The work with the cooperative was well conceived							
F3	The working model I have with the cooperative is acceptable							
E1	The work with the cooperative is one of my favorites							
E2	The work with the cooperative inspires me to keep going							
E3	The work with the cooperative makes me feel good							
S1	The work with the cooperative makes me feel accepted by other people							
S2	The work with the cooperative improves how other people see me							
S3	The work with the cooperative gives other people a good impression of me							
P1	What I get is worth what I give (time and effort)							
P2	Working with the cooperative increases the benefits obtained over the costs							
P3	The work with the cooperative is good when comparing the costs I have to bear							