

Appendices

Appendix 1: Questionnaire for data collection

Date:/...../.....

General information / farmers identification sheet

Name of farmer	.....
County/region	.....
Age of Farmer	.....
Gender of farmer	Male Female
Gender of the owner of the farm	Male Female
Number of household members	.....
Religion	.....
Size of the farm (in acres)	.....
Number of cashew trees	.....
GPS location of the farm	.....
Highest level of education reached	No education
	Primary education
	Secondary education
	Tertiary education

SECTION A: Household income from organic cashew		
No. of indicator	Indicator	Data
In. A1	Net income from cashew	..... KES/year
In. A2	Total farm income	..... KES/year
In. A3	Total income including non-farm income	..... KES/year

Notes:

Indicator A1:

It is possible that in some cases the education of the farmers will hinder their understanding of the meaning “net income”. In such cases, it is advised to obtain our desired data by asking further questions to uncover the true value of our given indicator.

Example:

Q1: How much KES per year do you spend on your cashew farming itself? (expenses)

Q2: How much KES per year do you make by selling your cashew yield? (income)

Net income = income – expenses

Indicator A2:

It is necessary to count in any other income that has created financial surplus through farming during the year. Make sure that when asking the question, you encourage your respondents to remember any source of income from farming.

Example:

Q: Is there any kind of extra financial income from farming-connected activities? Do you have husbandry? Do you have any other plants, crops that you have gotten money from?

Indicator A3:

It is necessary to include non-farming income into these results. Encourage your respondents to remember any kind of money that came through activities not related to farming. Make sure you include this into the total sum.

Example:

Q: Is there any additional income you get from your government? Family? Certain grants?

SECTION B: Average organic yield		
No. of indicator	Indicator	Data
In. B1	Average organic cashew nut yield	.....Kg/Acre

Notes:

Indicator B1:

It is possible that in some cases the farmers' education level or condition will not be sufficient to be able for them to tell how many kg of yield per acre they have harvested. In such cases, it will be necessary to be creative in constructing the questions in a way to obtain our needed answers. One of the ways we can find out the exact Kg of the Acre is and ask the farmers how many full baskets/buckets (whatever they use to collect the cashew nuts into) they have harvested. Subsequently, it should be determined how much a full basket/bucket of cashews weighs. This number should later be multiplied by the number of baskets. To reach the final indicator of Kg of cashew per acre, the Kg number should be divided by the acre number.

Example:

Q1: How do you collect the yielded cashews from your farm? / Which tools do you use for the collection of the cashews?

Q2: How many of these full baskets have you collected during the harvest?

Further note: Data must be later analyzed/modified into final desired data (Kg/Acre).

SECTION C: Total value of organic and Fairtrade certified cashew nuts production sold by farmers		
No. of indicator	Indicator	Data
In. C1	Total volume of Organic certified cashew nut production sold by farmer	.....Kg
In. C2	Total volume of Fair-Trade certified cashew production sold by farmer	.....Kg
In. C3	Total volume of cashew sold by farmer	.....Kg
In. C4	Total volume of Organic and Fairtrade cashew sold by farmer	.....Kg

Notes:

Indicators C1, C2, C3, C4:

The same strategy from the indicators of section B can be used here.

SECTION D: Smallholders obtaining Fairtrade and Organic certification		
No. of indicator	Indicator	Data
In. D1	Fairtrade certified farm	Fairtrade certified
		Audit underway
		Non-certified
In. D2	Organic certified farm	Organic certified
		Conversion underway
		Audit underway
		Non-certified

SECTION E: New nut-bearing cashew trees			
No. of Indicator	Indicator	Data	
In. E1	Nut-bearing trees on the farm	Total number of nut-bearing trees	.....
		When was the oldest tree planted	.....
		When was the youngest tree planted	.....
		Average age of the trees on the farm	.....
		Has any pruning been done to the trees	.....
		What age are the trees pruned in	.....
In. E2	Density of trees	.....trees/acre	

SECTION F: Self-help groups			
No. of Indicator	Indicator	Data	
In. F1	Production groups	Is farmer member of a production group	yes
			no
		Name of the production group	.....
		Region of operation	.....
		Type of membership	.....

		Number of group members	.....
		Frequency of group meetings	.....
		Average group savings per week	.....
		Does farmer access loans from the group?	yes
			no
How much does farmer access loans from the group?	.....	
In. F2	Saving groups	Is the farmer member of any saving group?	yes
			no
		Name of the saving group	.....
		Region of operation	.....
		Type of membership	.....
		Number of group members	.....
		Frequency of meetings	.....
		Average group savings per week	.....
		Does farmer access loans from the group?	yes
			no
How much does farmer access in loans	.....	

Notes:

Indicator F1

When asking about the frequency of meetings it is necessary to quote a time scope. Please state how many times the group is meeting either weekly, monthly, or yearly.

Example:

Q: How many times per month does your production/saving group meet?

SECTION G: Marketing channels		
No. of Indicator	Indicator	Data
In. G1	Type of buyer for cashew (2 responses)	Middleman
		TSA
		Directly to market
		Other (Which?)
		None
In. G2	Satisfaction with the purchasing price for cashew	Strongly satisfied
		Satisfied
		Dissatisfied
		Strongly dissatisfied
In. G3	Written contract for purchase of cashew including volume, price, and quality specification?	yes
		no
In. G4	Number of selling points	.....
In. G5	Is the price dependent on the quality of production of cashew?	yes
		no

SECTION H: Quality of extension and training		
No. of Indicator	Indicator	Data
In. H1	Any treatment against pests/diseases	yes
		no
In. H2	Cashew: access to better seed	.....
In. H3	Number of visits by advisor/extensionist in the last year	.....
In. H4	Number of at least 1-day training received last year	.....
In. H5	Quality of provided services	.....
In. H6	Use of promoted products/services	.....
In. H7	Adoption of promoted services	.....

Appendix 2: Pearson Correlation Matrix

	a	b	c	d	e	f	g	h	i	j	k
Gender (a)	1										
Age (b)	-.030	1									
Educational (c)	.174	-.154	1								
Farm size (d)	.138	.101	-.039	1							
Age of trees (e)	.046	.067	-.109	.195	1						
Price (f)	-.064	-.007	.175	-.003	-.084	1					
Fertilizer usage (g)	.013	.093	.119	-.059	-.014	-.065	1				
Labor used (h)	.060	.016	-.087	.021	.013	-.004	.005	1			
Distance to market (i)	.006	-.005	.053	.058	-.228	.337	.030	.018	1		
Extension access (j)	-.054	.000	-.015	.098	-.007	-.083	-	-	-	1	
Group membership (k)	-.073	.164	.035	.192	.084	.031	.012	.022	.097	-.291	1
							.053	.052	.047		