

COST OF ESTABLISHMENT & PRODUCTION OF COFFEE

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PROJECT OVERVIEW

- The Relationship Coffee Model establishes a direct, long-term trading partnership for high-quality coffees between buyers and smallholder growers.
- To evaluate the costs of establishment and production related to coffee farming, we collected data from various Latin American cooperatives (ADISA, COMSA, FCC) for small-holder farmers.
- Our results show that there is a lack of transparency involved in the costs of coffee production, which creates a gap in knowledge for long-term coffee farming profitability.



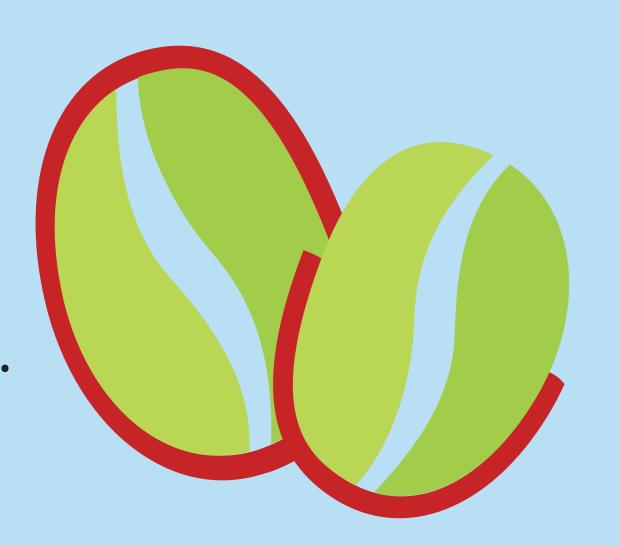
Coffee Farming Business Cycle and Activities

Phase	Year	Main Activities
	Year 0: Land Preparation and Planting	Collection and selection of seeds
Establishment		Seedbed
		Nursery
		Weeding or cleaning
		Planting
	Year 1: Vegetative Growth	Weeding
		Fertilization
		Leaf Spraying
Maintenance	Years 2 - 8: Established Plantation	Weeding

Verify SUSTAINABLE practices

METHODOLOGY

Our goals is to estimate the cost of production per hectare of an average (benchmark) small producer, seeking the best representation and arriving at a detailed and complete set of costs.



PROBLEM

- 1. Coffee Commodity: Volatile prices make it difficult to cover production costs when these costs are not transparent.
- 2. Cost data and structure remain unfamiliar to farmers, industry, and policymakers because there is a lack of transparency involved in the costs of production



Paying a **FAIR PRICE** for coffee

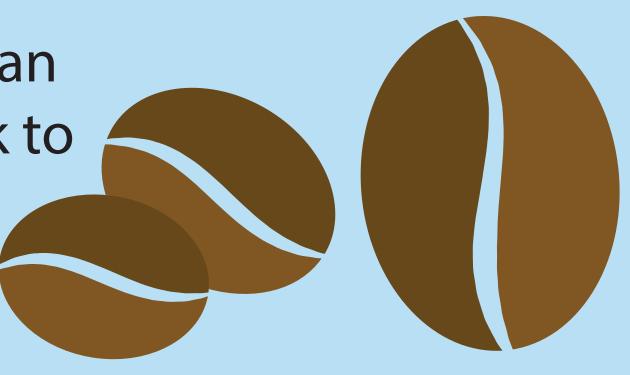
DATA COLLECTION

Approach 1: Individual surveys with producers to carefully and extensively record their expenses and tasks for the timeline defined.

Approach 2: Discussion panels with an average of 3 to 4 producers that seek to reach a consensus regarding the production costs.

LABOR

ADISA Total Costs

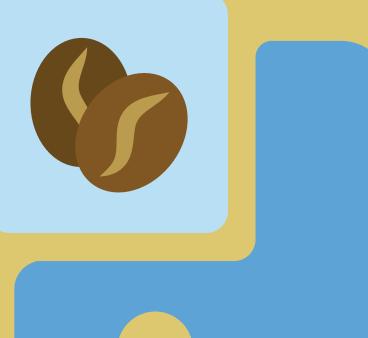


ADISA Breakeven Estimations (\$/lb)

Cos	t definition	Parchment production cost (US/hectare)	Breakeven (US/pound)	Breakeven Implications
1	Total Variable Costs	2,960	0.83	If the return is below this level, coffee is uneconomical to produce.
2	Total Cash Costs = Total Variable Costs + Membership & Certification Costs + Taxes on Land + Miscellaneous Supplies	3,130	0.88	The second breakeven return allows the producer to stay in business in the short run.
3	Out of Pocket Costs = Total Cash Costs + Depreciation Costs	3,954	1.11	The third breakeven allows the producer to stay in business in the long run.
4	Total Costs = Out of Pocket Costs + Amortized Establishment Costs + Management Costs + Opportunity Costs	4,563	1.28	The fourth breakeven return is the total cost breakeven return. Only when this breakeven return is received can the grower recover all out-of-pocket expenses plus opportunity costs.

RESULTS

The current price paid to farmers covers out of pocket costs, but not total costs.



- Cooperatives do not cover all their costs; even though they are mid-term sustainable, current price and productivities do not cover all opportunity costs.
- This data can be used to generate a flexible interactive tool to help monitor cost assumptions, inputs, and outcomes.
- The tool can help analyze the sustainability of different productivity strategies and be used for risk analysis
- Cost transparency and analysis can help impact prices in the long-term and makes coffee farming more profitable.