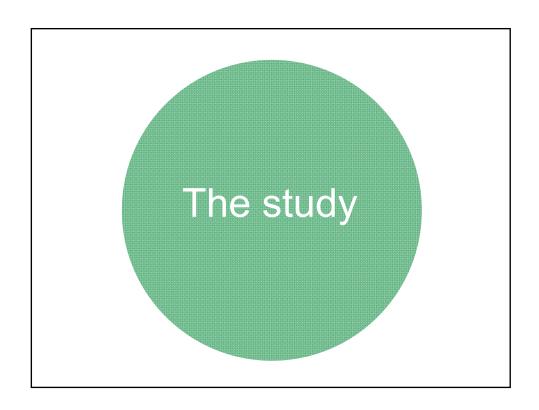


MOTIVATION OF THE STUDY

- · Low world market prices
 - increased pressure on higher-cost origins
- High variation in production costs
 - between regions and across individual growers
- Identify the drivers of farm profitability
- Scarce literature on production costs
 - methodological shortcomings
- No unified methodology to calculate production costs



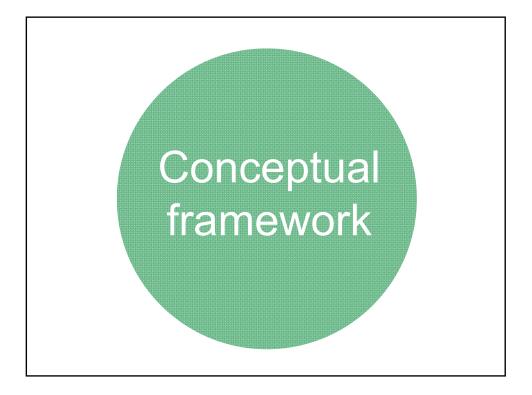


THE FARMER SURVEY

- Examine in-depth farmer-level data
 - Calculate distribution of costs and profitability
- Random sample of 1,907 coffee farmers in 3 major coffee regions
 - Colombia's Coffee Belt (745)
 - Los Santos and the Western Valley in Costa Rica (503)
 - three regions in Honduras (659).
- Detailed farmer-specific cost and production data collected in 2017



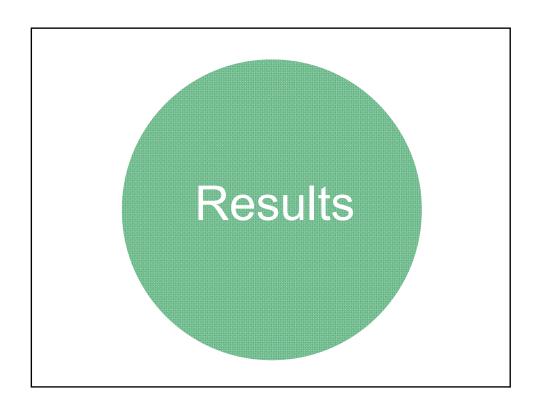


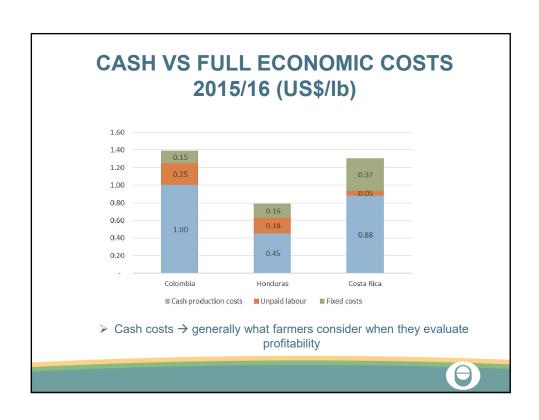


HOW DO WE CONCEPTUALIZE COSTS?

- Farmer's view: Cash Outlays
 - Paid labour
 - Inputs
- Economists view: Full Economic Costs
 - Unpaid/family labour
 - "Fixed costs"
 - Installation costs (spread out)
 - Depreciation of machinery/equipment
 - Finance costs (interest payments)





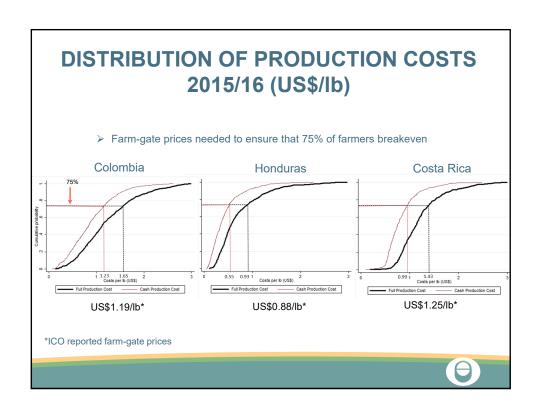


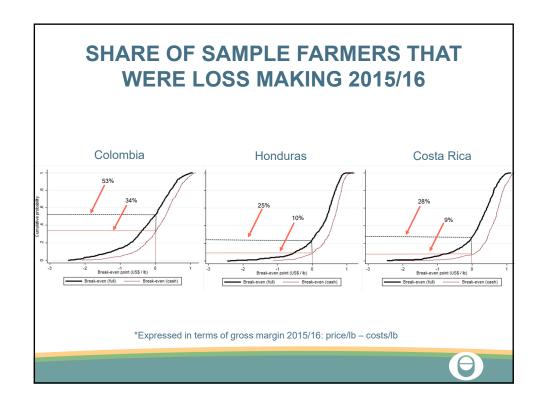
AVERAGE COSTS FOR INPUTS 2015/16 (US\$)

	Colombia	Honduras	Costa Rica
- Average labour costs (per day)	14.33	6.48	17.85
Input costs			
- Herbicides (glyphosate 1 litre)	4.62	6.51	6.31
- Fertilizer (urea 45 kg)	18.18	21.28	16.45
Installation costs			
- Cost per plant	0.09	0.18	0.38

> Striking differences in input prices across countries









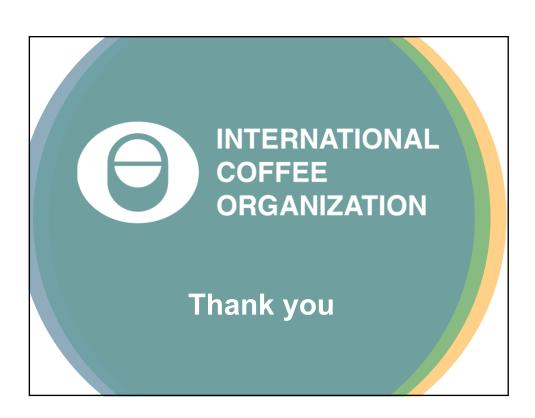
CONCLUSION AND NEXT STEPS

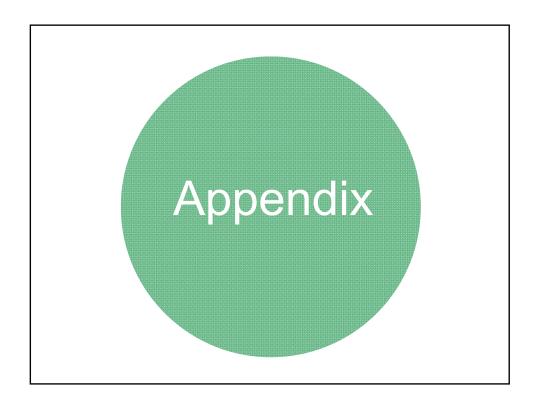
- Significant difference in production costs across countries
 - Honduras much lower than the other two
- · Labour represents the highest share of costs
 - Colombia (75%), Costa Rica (57%), Honduras (56%)
 - Wages vary significantly across countries
- Colombian producers face both short- and long-term challenges to profitability

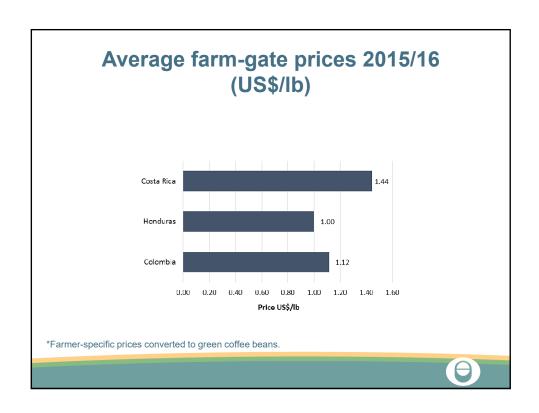
Next steps:

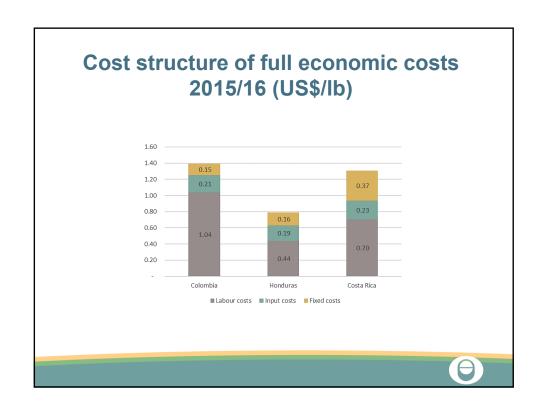
 Econometric analysis to identify the factors driving efficiency of production and profitability

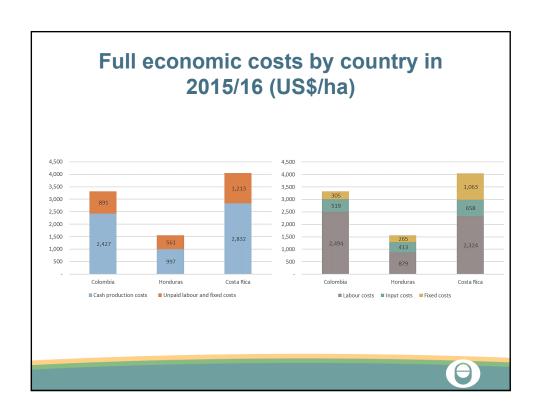












Average production costs by country in 2015/16 (US\$/ha)

Co	Colombia (n=720) Honduras (n=644] Costa Rica (n=493			
Paid labour	1,907.92	583.86	2,173.91	
Labour pruning and weeding	245.13	137.47	148.44	
Labour fertilizing	75.39	39.29	26.91	
Labour spraying	48.99	25.63	55.17	
Labour harvest	1,538.41	381.47	1,408.99	
Permanent Labour (manageria	-	-	534.39	
Unpaid labour	586.11	295.61	150.19	
Labour pruning and weeding	79.57	55.55	96.49	
Labour fertilizing	27.24	17.92	19.42	
Labour spraying	12.11	9.11	34.29	
Labour harvest	467.19	213.02	-	
Inputs	519.18	412.79	658.36	
Herbicides	2.16	3.65	29.42	
Pesticides	22.46	27.94	122.92	
Fertilizer	494.57	381.19	506.02	
Fixed costs	304.59	265.02	1,062.54	
Distributed fixed cost				
- Installation costs	40.80	47.76	142.14	
- Depreciation of machinery	112.93	84.67	523.85	
Opportunity cost of land	97.50	91.00	357.50	
Finance cost	53.36	41.59	39.05	
Total production costs	3,317.80	1,557.26	4,045.01	

