



**ILLUSTRATIVE SOIL RESTORATION PROGRAM
Banana (CRI) - Costa Rica - USD**

Client Customized Inputs Highlighted

Crop	Banana (CRI)
Country/Region	Costa Rica
Client	Costa Rica
Currency	USD

Primary Crop Inputs	Soil Test Results	Est. Savings.
N (lb/A)		27%
P (lb/A)	50	18%
K (lb/A)	105	29%
SOC (lb/A)		
Nitrogen savings region	Rest of World	

Liquid or Granular	Granular
Soil Carbon restoration	Yes

Fertiliser Prices (in USD)	3/15/2022		
Pricing Model =	AHDB	Nutrient	Nutrient Cost
AN Domestic (34.5% N)	1,092	N	3,167
AN Imported (34.5% N)	1,102	N	3,195
Granular Urea (46% N)	1,186	N	2,579
UAN (30% N)	1,070	N	2,327
Muriate of Potash	815	K ₂ O	1,325
DAP	1,305	N + P ₂ O ₅	2,039
TSP	933	P ₂ O ₅	2,029

Water Usage	Current Usage	Est. Savings.
Usage (acre-inches)	70.0	20%
Cost per acre-inch (USD)	0.00	

Summary of Benefits	Low	High
Status Quo Revenue	25,200	25,200
Status Quo Costs	1,689	2,660
Status Quo Gross Profit Margin	23,511	22,540

Revenue Increase	USD per Ha	3,780	6,300
NPK Nutrient Savings	USD per Ha	470	706
Water Use Savings	USD per Ha	0	0
KO Soil Inputs	USD per Ha	-150	-150
Net Cost Savings	USD per Ha	320	556

Net Increase in Profits	USD per Ha	4,100	6,856
% Increase in Profits		17.4%	30.4%

Nutrient Savings		Low	High
Nitrogen (N)	lbs/acre	268	401
	kg/Ha	300	450
	USD per kg	2.98	2.98
	USD per Ha	894	1,341
Estimated Cost Savings	USD per Ha	241	362

Phosphorus (P₂O₅)	lbs/acre	0	143
	kg/Ha	0	160
	USD per kg	2.03	2.03
	USD per Ha	0	325
Estimated Cost Savings	USD per Ha	0	58

Potassium (K₂O)	lbs/acre	535	669
	kg/Ha	600	750
	USD per kg	1.33	1.33
	USD per Ha	795	994
Estimated Cost Savings	USD per Ha	229	286

Status-Quo Nutrient Cost	USD per Ha	1,689	2,660
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Total Nutrient Cost Savings	USD per Ha	470	706
<i>Percent Cost Saving</i>		27.8%	26.5%

Soil Boost	Low	High
Kingston Organic	USD per Ha	150

Water Use Reductions		Low	High
Water (H ₂ O)	inch/acre	70.0	70.0
	USD/acre-inch	0.00	0.00
	USD per Ha	0	0
Est. Water Reduction	cubic meters	3,556	3,556
Water Cost Savings	USD per Ha	0	0
<i>Percent Cost Saving</i>		-	-

Projected Yield Increase		Low	High
Banana (CRI)	kg/Ha	60,000	60,000
Price	USD per kg	0.42	0.42
Status-Quo Revenue	USD per Ha	25,200	25,200
Yield Increase	percent	15%	25%
Yield Increase Value	USD per Ha	3,780	6,300

prepared as of:

4/23/2022

This illustration is an estimate of results, based on data sourced openly and without full consideration of a specific farm's conditions, practices, soil condition, environmental and climatic conditions, or other elements that can impact performance and yields. It is intended to be an estimate but not a guarantee of savings and yields. If we receive specific input and soil condition data for your specific application and conditions, we can adjust the results to be more reflective of specific conditions.

