



ILLUSTRATIVE SOIL RESTORATION PROGRAM
Silvex Soybeans - Nigeria - USD

Client Customized Inputs Highlighted

Crop	Silvex Soybeans
Country/Region	Nigeria
Client	Silvex
Currency	USD

Primary Crop Inputs	Soil Test Results	Est. Savings.
N (lb/A)		27%
P (lb/A)	59	15%
K (lb/A)	49	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)		N	
AN Imported (34.5% N)		N	
Granular Urea (46% N)		N	3,547
UAN (30% N)		N	
Muriate of Potash		K ₂ O	1,577
DAP		N + P ₂ O ₅	
SSP		P ₂ O ₅ + Ca + S	4,066

Water Usage	Current Usage	Est. Savings.
Usage (acre-inches)	33.2	20%
Cost per acre-inch (USD)	0.00	

Summary of Benefits	Low	High
Status Quo Revenue	1,833	1,833
Status Quo Costs	282	282
Status Quo Gross Profit Margin	1,551	1,551

Revenue Increase	USD per Ha	275	458
NPK Nutrient Savings	USD per Ha	55	55
Water Use Savings	USD per Ha	0	0
KO Soil Inputs	USD per Ha	-120	-120
Net Cost Savings	USD per Ha	-65	-65

Net Increase in Profits	USD per Ha	210	394
% Increase in Profits		13.5%	25.4%

Nutrient Savings		Low	High
Nitrogen (N)	lbs/acre	17	17
	kg/Ha	19	19
	USD per kg	3.55	3.55
	USD per Ha	67	67
Estimated Cost Savings	USD per Ha	18	18
Phosphorus (P₂O₅)	lbs/acre	41	41
	kg/Ha	46	46
	USD per kg	4.07	4.07
	USD per Ha	186	186
Estimated Cost Savings	USD per Ha	29	29
Potassium (K₂O)	lbs/acre	17	17
	kg/Ha	19	19
	USD per kg	1.58	1.58
	USD per Ha	30	30
Estimated Cost Savings	USD per Ha	9	9
Status-Quo Nutrient Cost	USD per Ha	282	282
Total Nutrient Cost Savings	USD per Ha	55	55
<i>Percent Cost Saving</i>		19.6%	19.6%

Soil Boost	Low	High
Kingston Organic	USD per Ha	120
		120

Water Use Reductions	Low	High
Water (H ₂ O)	inch/acre	33.2
	USD/acre-inch	0.00
	USD per Ha	0
Est. Water Reduction	cubic meters	1,687
Water Cost Savings	USD per Ha	0
<i>Percent Cost Saving</i>		-

Projected Yield Increase	Low	High
Silvex Soybeans	kg/Ha	2,000
Price	USD per kg	0.92
Status-Quo Revenue	USD per Ha	1,833
Yield Increase	percent	15%
Yield Increase Value	USD per Ha	275
		458

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.



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