



ILLUSTRATIVE SOIL RESTORATION PROGRAM
Silvex Groundnut - Nigeria - USD

Client Customized Inputs Highlighted

Crop	Silvex Groundnut
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	1,646	1,646
Status Quo Costs	282	282
Status Quo Gross Profit Margin	1,364	1,364

Revenue Increase	USD per Ha	247	412
NPK Nutrient Savings	USD per Ha	55	55
Water Use Savings	USD per Ha	0	0
KO Soil Inputs	USD per Ha	-100	-100
Net Cost Savings	USD per Ha	-45	-45

Net Increase in Profits	USD per Ha	202	367
% Increase in Profits		14.8%	26.9%

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	100	100

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

Projected Yield Increase		Low	High
Silvex Groundnut	kg/Ha	1,750	1,750
Price	USD per kg	0.94	0.94
Status-Quo Revenue	USD per Ha	1,646	1,646
Yield Increase	percent	15%	25%
Yield Increase Value	USD per Ha	247	412

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.

