



ILLUSTRATIVE SOIL RESTORATION PROGRAM
Silvex Rice - Nigeria - USD

Client Customized Inputs Highlighted

Crop	Silvex Rice
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	2,777
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	2,415

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	2,605	2,605
Status Quo Costs	496	496
Status Quo Gross Profit Margin	2,109	2,109

Revenue Increase	USD per Ha	391	651
NPK Nutrient Savings	USD per Ha	123	123
Water Use Savings	USD per Ha	0	0
KO Soil Inputs	USD per Ha	-120	-120
Net Cost Savings	USD per Ha	3	3

Net Increase in Profits	USD per Ha	393	654
% Increase in Profits		18.7%	31.0%

Nutrient Savings		Low	High
Nitrogen (N)	lbs/acre	102	102
	kg/Ha	114	114
	USD per kg	2.78	2.78
	USD per Ha	317	317
Estimated Cost Savings	USD per Ha	85	85
Phosphorus (P₂O₅)	lbs/acre	40	40
	kg/Ha	45	45
	USD per kg	2.41	2.41
	USD per Ha	109	109
Estimated Cost Savings	USD per Ha	17	17
Potassium (K₂O)	lbs/acre	40	40
	kg/Ha	45	45
	USD per kg	1.58	1.58
	USD per Ha	71	71
Estimated Cost Savings	USD per Ha	20	20
Status-Quo Nutrient Cost	USD per Ha	496	496
Total Nutrient Cost Savings	USD per Ha	123	123
<i>Percent Cost Saving</i>		24.7%	24.7%

Soil Boost	Low	High
Kingston Organic	120	120

Water Use Reductions		Low	High
Water (H₂O)	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 Rice	kg/Ha	6,000	6,000
Price	USD per kg	0.43	0.43
Status-Quo Revenue	USD per Ha	2,605	2,605
Yield Increase	percent	15%	25%
Yield Increase Value	USD per Ha	391	651

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.

