



ILLUSTRATIVE SOIL RESTORATION PROGRAM
Potatoes - UK - GBP

Client Customized Inputs Highlighted

Crop	Potatoes
Country/Region	UK
Client	UK
Currency	GBP

Primary Crop Inputs	Soil Test Results	Est. Savings.
N (lb/A)		27%
P (lb/A)	43	18%
K (lb/A)	280	29%
SOC (lb/A)		
Nitrogen savings region	UK	

Liquid or Granular	Granular
Soil Carbon restoration	Yes

Fertiliser Prices (in GBP)	3/15/2022		
Pricing Model =	AHDB	Nutrient	Nutrient Cost
AN Domestic (34.5% N)	839	N	2,431
AN Imported (34.5% N)	846	N	2,453
Granular Urea (46% N)	911	N	1,980
UAN (30% N)	822	N	1,787
Muriate of Potash	626	K ₂ O	1,018
DAP	1,002	N + P ₂ O ₅	1,566
TSP	717	P ₂ O ₅	1,558

Water Usage	Current Usage	Est. Savings.
Usage (acre-inches)	5.0	20%
Cost per acre-inch (GBP)	35.00	

Summary of Benefits	Low	High
Status Quo Revenue	8,129	8,129
Status Quo Costs	1,043	1,344
Status Quo Gross Profit Margin	7,086	6,786

Revenue Increase	GBP per Ha	1,219	2,032
NPK Nutrient Savings	GBP per Ha	147	224
Water Use Savings	GBP per Ha	86	86
KO Soil Inputs	GBP per Ha	-92	-92
Net Cost Savings	GBP per Ha	141	218

Net Increase in Profits	GBP per Ha	1,360	2,251
% Increase in Profits		19.2%	33.2%

Nutrient Savings		Low	High
Nitrogen (N)	lbs/acre	120	200
	kg/Ha	135	224
	GBP per kg	2.29	2.29
	GBP per Ha	308	513
Estimated Cost Savings	GBP per Ha	83	138

Phosphorus (P₂O₅)	lbs/acre	123	153
	kg/Ha	138	171
	GBP per kg	1.56	1.56
	GBP per Ha	215	266
Estimated Cost Savings	GBP per Ha	38	47

Potassium (K₂O)	lbs/acre	77	116
	kg/Ha	87	130
	GBP per kg	1.02	1.02
	GBP per Ha	88	132
Estimated Cost Savings	GBP per Ha	25	38

Status-Quo Nutrient Cost	GBP per Ha	611	911
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Total Nutrient Cost Savings	GBP per Ha	147	224
<i>Percent Cost Saving</i>		24.0%	24.6%

Soil Boost	Low	High
Kingston Organic	92	92

Water Use Reductions		Low	High
Water (H₂O)	inch/acre	5.0	5.0
	GBP/acre-inch	35.00	35.00
	GBP per Ha	432	432
Est. Water Reduction	cubic meters	254	254
Water Cost Savings	GBP per Ha	86	86
<i>Percent Cost Saving</i>		20.0%	20.0%

Projected Yield Increase		Low	High
Potatoes	kg/Ha	45,500	45,500
Price	GBP per kg	0.18	0.18
Status-Quo Revenue	GBP per Ha	8,129	8,129
Yield Increase	percent	15%	25%
Yield Increase Value	GBP per Ha	1,219	2,032

prepared as of:

4/24/2022

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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