



ILLUSTRATIVE SOIL RESTORATION PROGRAM
Carrots - UK - GBP

Client Customized Inputs Highlighted

| | |
|-----------------------|----------------|
| Crop | Carrots |
| 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 | 9,067 | 9,067 |
| Status Quo Costs | 853 | 1,071 |
| Status Quo Gross Profit Margin | 8,214 | 7,996 |

| Revenue Increase | GBP per Ha | 1,360 | 2,267 |
|-------------------------|-------------------|-----------|------------|
| NPK Nutrient Savings | GBP per Ha | 100 | 154 |
| Water Use Savings | GBP per Ha | 86 | 86 |
| KO Soil Inputs | GBP per Ha | -92 | -92 |
| Net Cost Savings | GBP per Ha | 94 | 149 |

| Net Increase in Profits | GBP per Ha | 1,455 | 2,415 |
|-------------------------|------------|-------|-------|
| % Increase in Profits | | 17.7% | 30.2% |

| Nutrient Savings | | Low | High |
|--|-------------------|------------|------------|
| Nitrogen (N) | lbs/acre | 90 | 130 |
| | kg/Ha | 101 | 146 |
| | GBP per kg | 2.29 | 2.29 |
| | GBP per Ha | 231 | 333 |
| Estimated Cost Savings | GBP per Ha | 62 | 90 |
| Phosphorus (P₂O₅) | lbs/acre | 88 | 124 |
| | kg/Ha | 99 | 139 |
| | GBP per kg | 1.56 | 1.56 |
| | GBP per Ha | 154 | 216 |
| Estimated Cost Savings | GBP per Ha | 27 | 38 |
| Potassium (K₂O) | lbs/acre | 32 | 78 |
| | kg/Ha | 36 | 88 |
| | GBP per kg | 1.02 | 1.02 |
| | GBP per Ha | 36 | 89 |
| Estimated Cost Savings | GBP per Ha | 10 | 26 |
| Status-Quo Nutrient Cost | GBP per Ha | 421 | 639 |
| Total Nutrient Cost Savings | GBP per Ha | 100 | 154 |
| <i>Percent Cost Saving</i> | | 23.8% | 24.1% |

| 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 |
|-----------------------------|-------------------|--------------|--------------|
| Carrots | kg/Ha | 18,533 | 18,533 |
| Price | GBP per kg | 0.49 | 0.49 |
| Status-Quo Revenue | GBP per Ha | 9,067 | 9,067 |
| Yield Increase | percent | 15% | 25% |
| Yield Increase Value | GBP per Ha | 1,360 | 2,267 |

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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