

Emerald Research Ltd

Production Profitability Sustainability

Potato Processors Association UK (Mar 2025)



OptiYield[®]

SOIL ANALYSIS METHODS & FERTILISER RECOMMENDATIONS

DO THEY **COST** FARMERS MONEY AND **DAMAGE** THE ENVIRONMENT?

WHAT ARE OUR ALTERNATIVES?



Key RB209 Assumptions



Nutrient Indices are sufficient for fertiliser recommendations

Single lab extractant is reliable indicator of need

Nutrients are not affected by other factors or nutrients

Build up nutrient reserves above given Index

UK soils largely sufficient in micronutrients

1954 was a good year!

Sterling Robertson Olsen.

Soil Scientist, Colorado State University, Colorado. He is most recognized for developing the “**Olsen P**” soil phosphorus extraction test used worldwide to estimate soil Phosphorus availability.

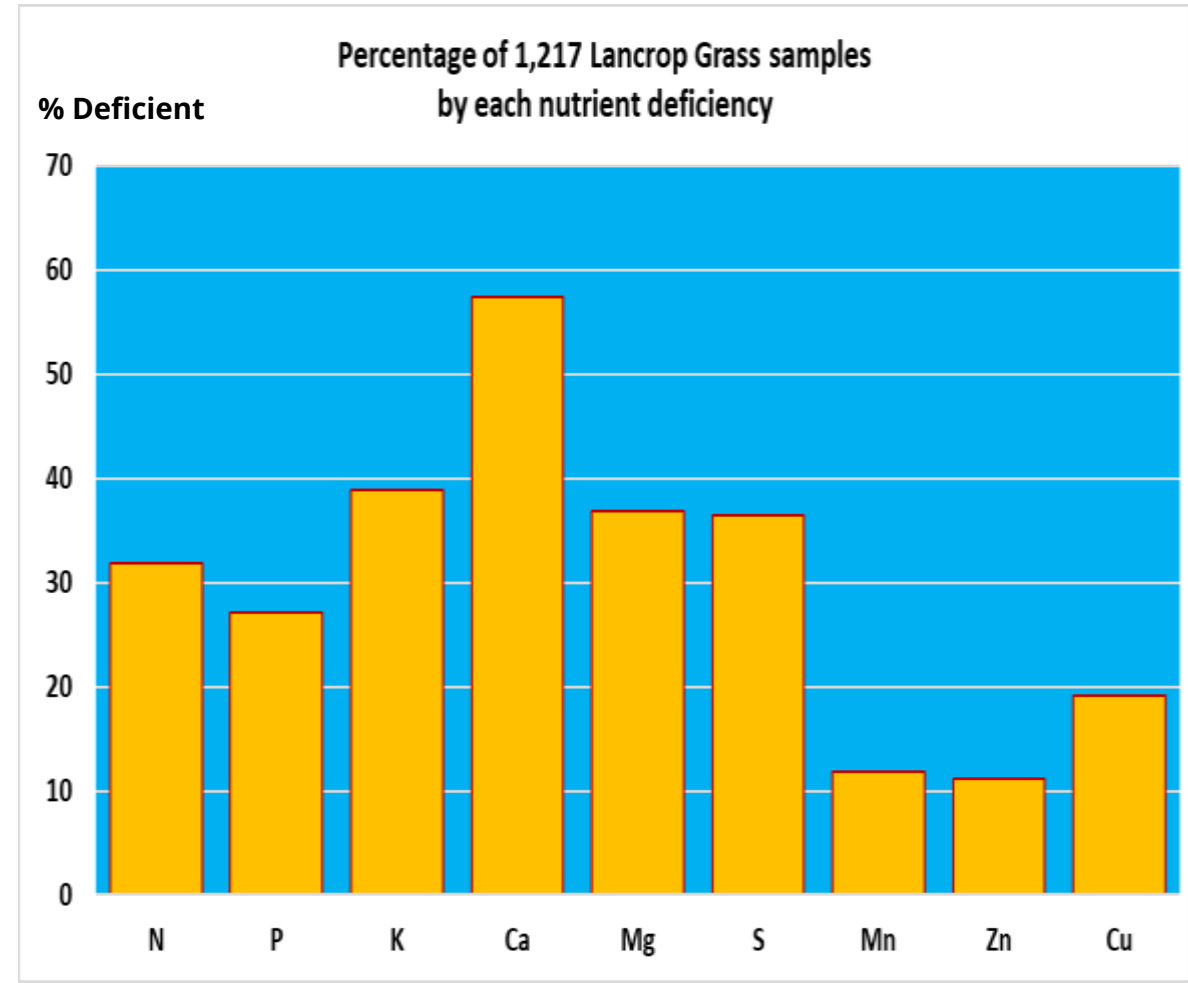
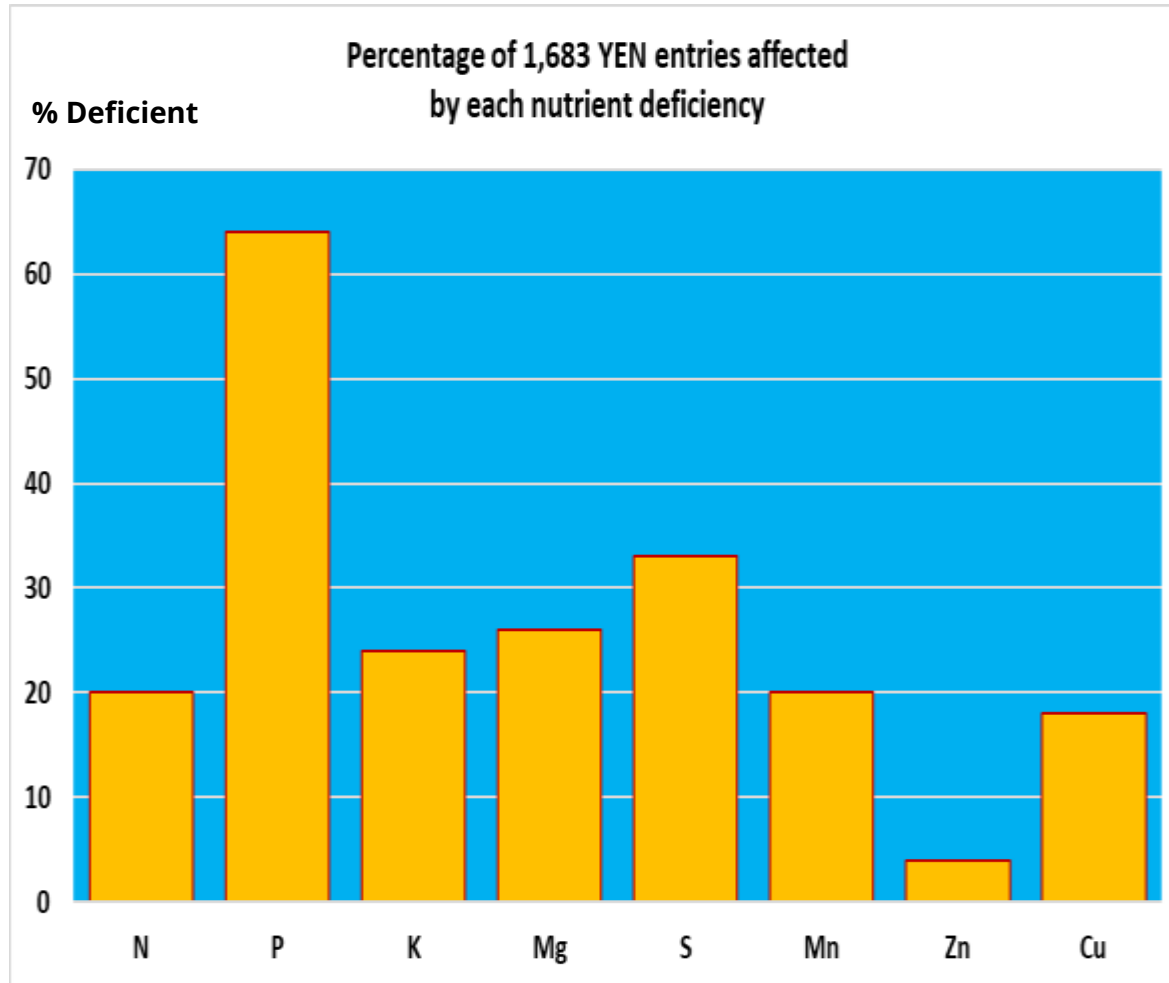


Frank Harold Spedding.

A Canadian American chemist. First developed the EDTA soil test is a method used to determine extractable levels of trace elements in soil tests.



Yield Enhancement Networks (YENs) - YEN Nutrition



- 1,683 YEN samples tested, 1,217 Grass samples tested
- YEN farmers – trying to maximise yield based on RB209

Source: "Nutrient Harvests: The essential yardstick to transform crop nutrition"

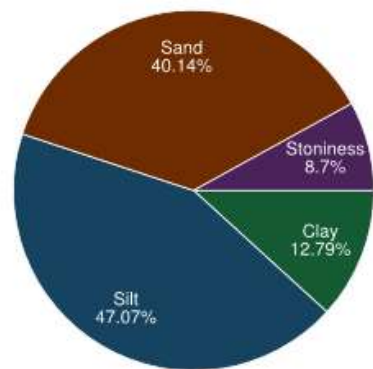
R. Sylvester -Bradley, S. Roques, C. Baxter and S. Kendall
ADAS Proceedings 874. 2022. International Fertiliser Society

Unique Testing Methods

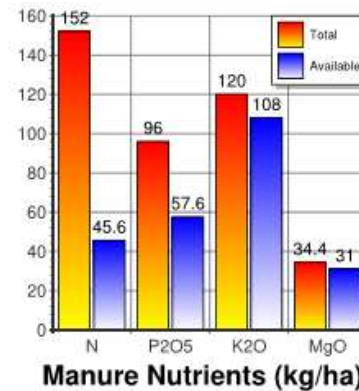
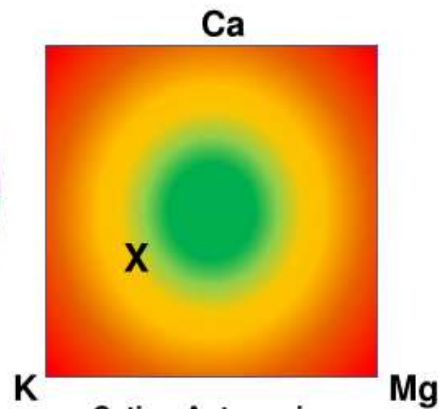
- 28 different analysis undertaken on soil samples
- 4 Key differentiators



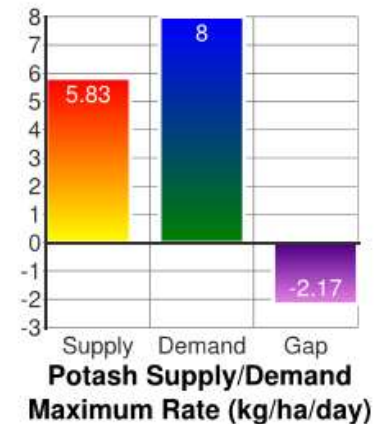
Soil Snapshot



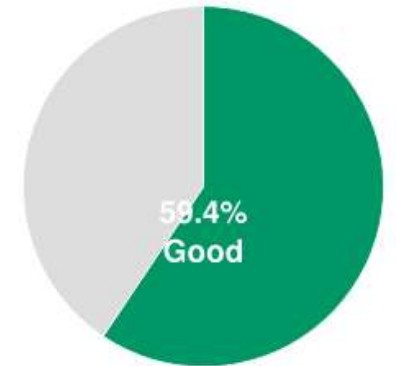
Soil Texture:
Sandy Silt Loam



Manure Nutrients (kg/ha)

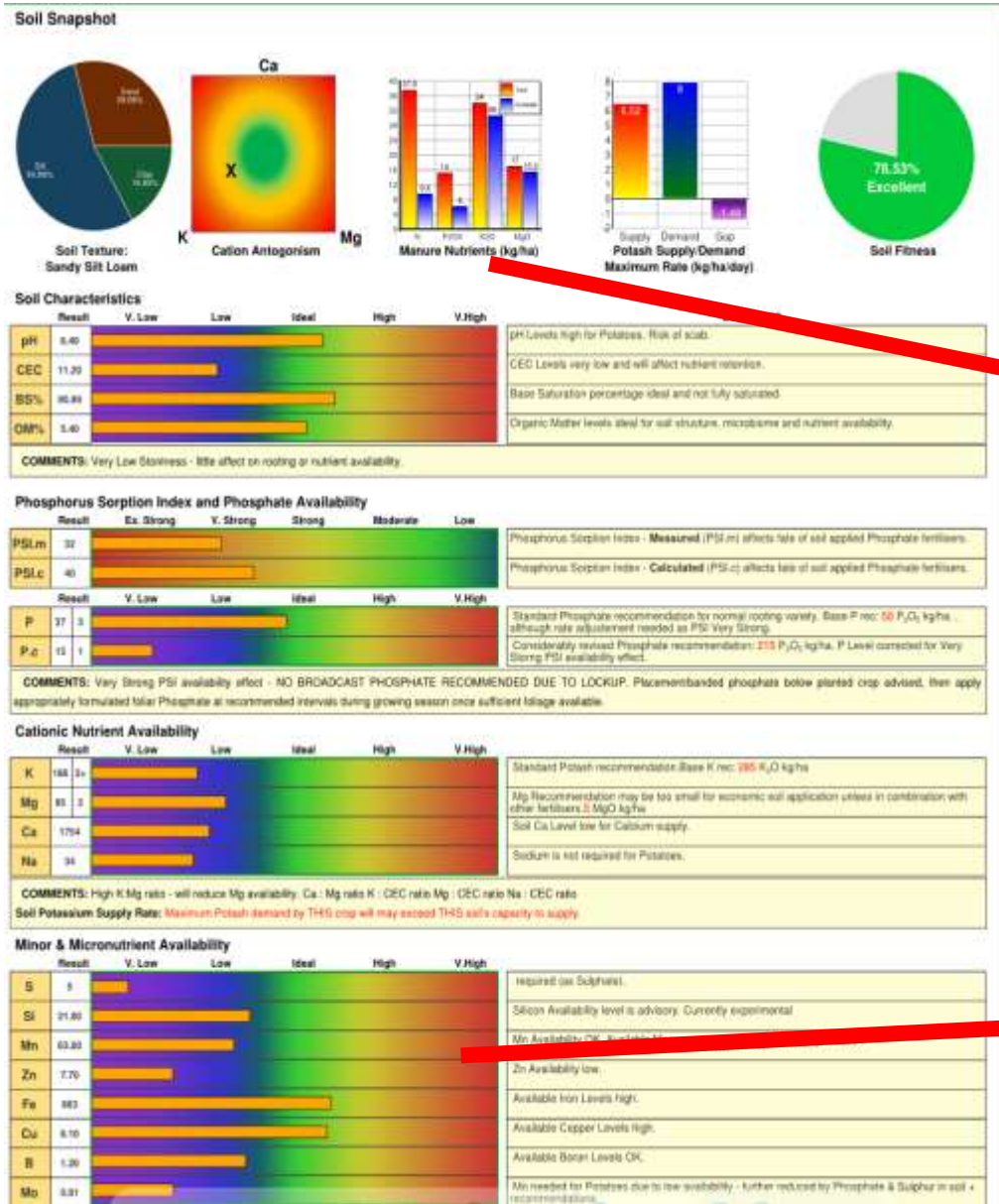


Potash Supply/Demand
Maximum Rate (kg/ha/day)



Soil Fitness

Soil Analysis Interpretation & Recommendations



Crop Qualities

- **Recommendations** take account of:
- Characteristics of crop and variety.
- Market quality requirements

Recommendations for: Potatoes: Lady Anna - Target Yield: 65 t/ha

Crop Qualities:

calciumdemand	high	cleanskin	important	desiredsize	large	determinancy	semi-determinate
drymatter	unimportant	leverages	not important	market	chipping	maturity	early matcrop
numbers	medium	rooting	normal	season	late	vigour	normal

N, P, K, Mg

- **Corrected** for manure available nutrients and previous cropping

Nitrogen

- Adjusted for Nitrogen Vulnerable Zones and regulations

Foliar Nutrients

- Applied at optimum timings to supplement periods of maximum crop demand.

Biostimulants

- Applied at optimum timings to augment crop vigour and minimise biotic and abiotic stresses.

Application Programme Details Table

Growth Stage	Description	Application Details	
PREP	Seedbed Programme	Base Fertiliser: Base P rec: 50 P ₂ O ₅ kg/ha Base P rec: 215 P ₂ O ₅ kg/ha (revised P recommendation 1) Base K rec: 285 K ₂ O kg/ha Base Mg rec: 5 MgO kg/ha Base Ca rec: 175 Ca kg/ha Base S rec: 41.5 S kg/ha	
PREP	Alternative Seedbed Programme	Base P rec:	Recommended Alternative Base Fertiliser Programme: 110 kg/ha P2O5 (ALL banded & placed + FOLIAR)
NITROGEN	Nitrogen Programme	Total N Minus Manure N Total Fertiliser N (Optional Split) (Optional Split)	180 kg/ha 9.4 kg/ha Manure N Contribution 170.6 kg/ha 127.95 kg/ha Seedbed Nitrogen 42.65 kg/ha Top Dressing Instead of conventional Top Dressing, use Folia-N to apply 21 kg/ha N, reducing Top Dressing N by 50%.
GS0	Planting	Consortium-Plus SuperPhos	0.50 kg/ha 5.00 t/ha
GS1	100% (Full) Emergence		
GS2	Rosette stage (5 leaf)		
GS3	Tuber initiation begins (hooking) (14 - 21 days after Full Emergence)		
GS4	Tuber initiation continues (swelling) (21 - 30 days after Full Emergence)		
GS5	End of Tuber Initiation (28 - 35 days after Full Emergence)	SuperPhos BioZest	7.50 t/ha 0.50 t/ha
GS6	50% - 75% Ground cover	OptiMag OptiPot Zn	4.00 t/ha 5.00 t/ha 0.6 kg/ha
GS7	75% - 100% Ground cover	SuperPhos Aqui-S BioZest	7.50 t/ha 4.00 t/ha 0.50 t/ha
GS8	Stable Canopy, Tuber bulking begins	OptiMag OptiPot BioBoost	4.00 t/ha 5.00 t/ha 0.50 t/ha
GS9	Every 21 Days, until ...		
GS10	1 month before haulm destruction		



Results for Systems Approach & Specific Goals



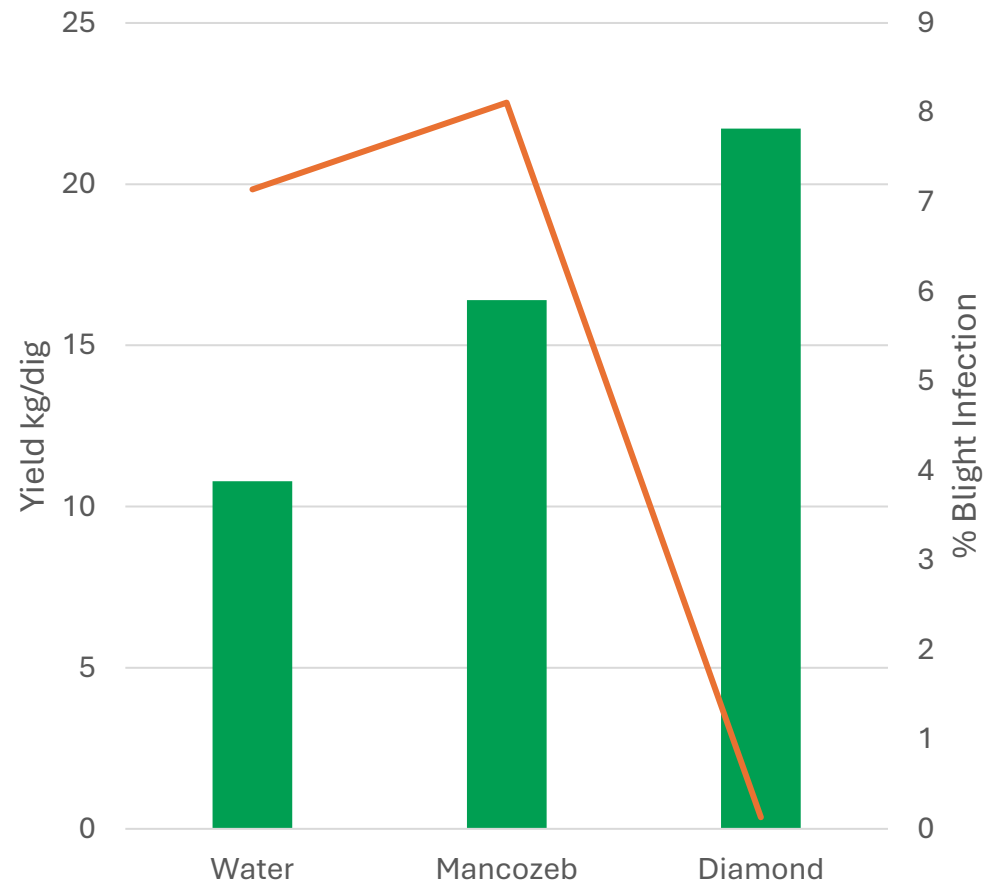
Key Research Findings

- Opportunities to reduce fungicide use by eliciting natural plant defences
- Improve nutrient use efficiency by up to 50%
- Increase marketable yield by 10-25%
- Reduce input costs
- Induce natural plant defences against blight and other diseases
- Decrease likelihood of nutrient pollution



Natural Plant Defence – Diamond 2018

(Henfaes Research station, Bangor)



c.v. Maris Piper
3 Year trial, same result each time



Crop Priming with Consortium Plus

Consortium Plus

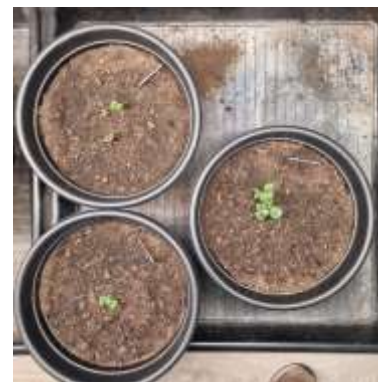


Planted Same Day



34 Days Later

Azoxystrobin



Crop Priming with Consortium Plus



Potatoes in Practice

Crop Priming – Consortium Plus

Consortium Plus



Weight 5.91 kgs = 11.82 t/ac
= **29.21 t/ha**

POSTCOVA- Salad Potatoes (*Gemson*)

Farm Std. Tuber + azoxystrobin



Weight 3.31 kgs = 6.62 t/ac
= **16.35 t/ha**

Consortium Plus + azoxystrobin



Weight 4.64 kgs = 9.28 t/ac
= **22.93 t/ha**

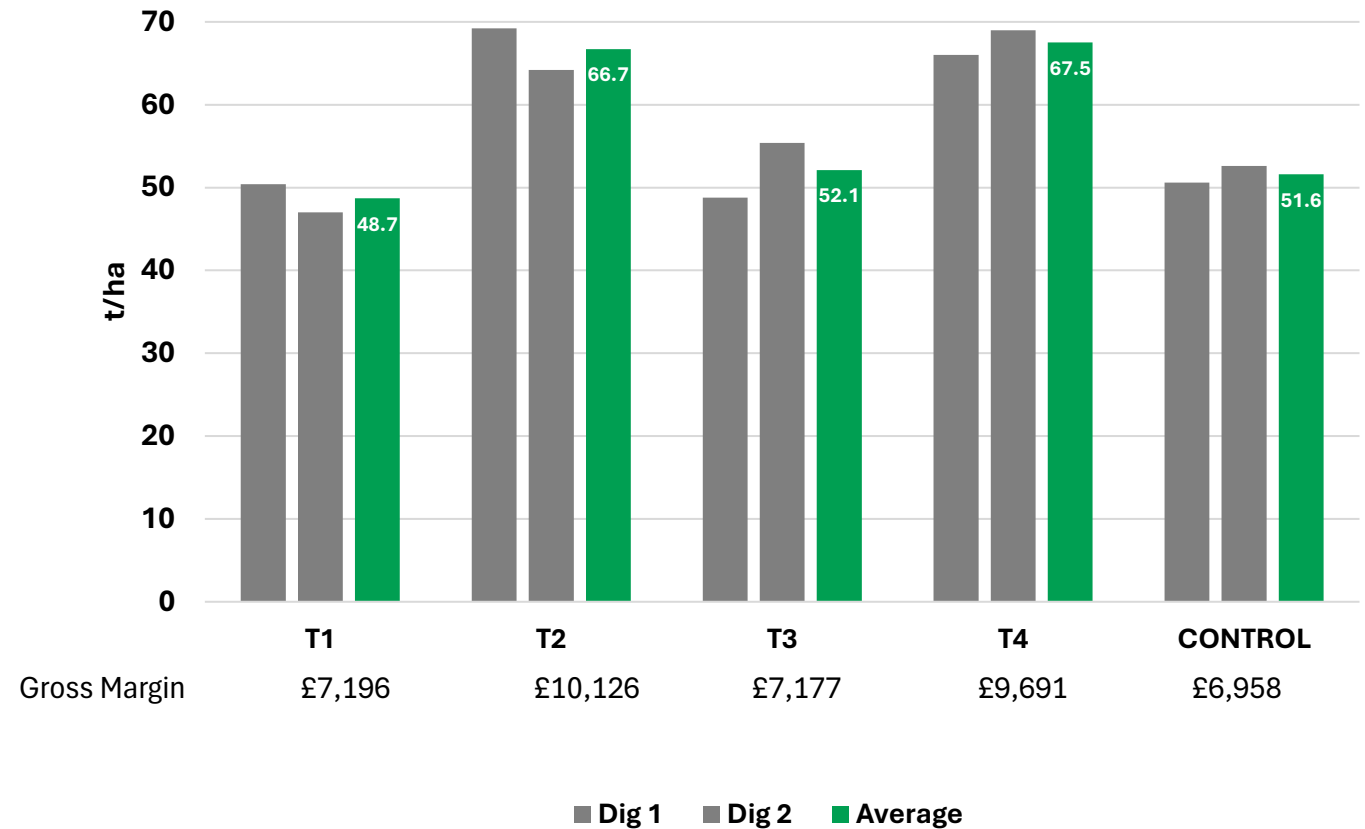
Field-scale strip trials (Cornwall)



Systems Approach: Trials Results 2023

	Base Nutrition	Planting	Foliar Nutrition	Other Foliar
T1	FYM (50 t/ha)	Maxim + Azoxystrobin	Yes	Diamond only
T2	FYM (50 t/ha)	Consortium only	Yes	Diamond only
T3	50% Standard	Maxim + Azoxystrobin	Yes	Blight Programme
T4	50% Standard	Consortium only	Yes	Blight Programme
Control	100% Std. (180:200:245)	Maxim + Azoxystrobin	No	Blight Programme

F.G. Pryer & Son, c.v. Sagitta
 Cornwall, 2023
 Gross margin calculated using £160/t for potatoes



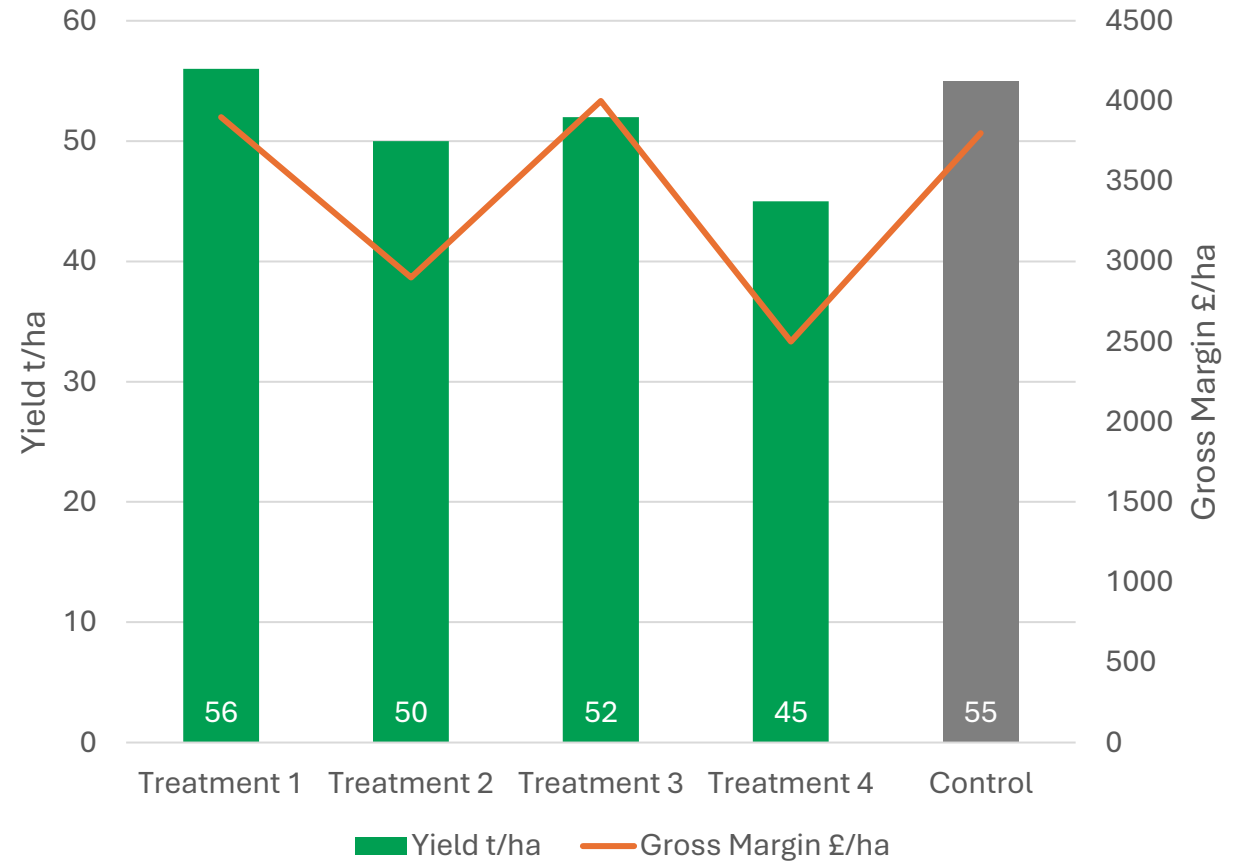
Systems Approach: Trials Results 2024



Tmt.	Applications
1	50%, CP, Foliar, Bl.Spr.
2	50%, Rhino, Foliar, Bl.Spr.
3	50%, CP, Foliar, Diamond
4	50%, Rhino, Foliar, Diamond
5	Conventional

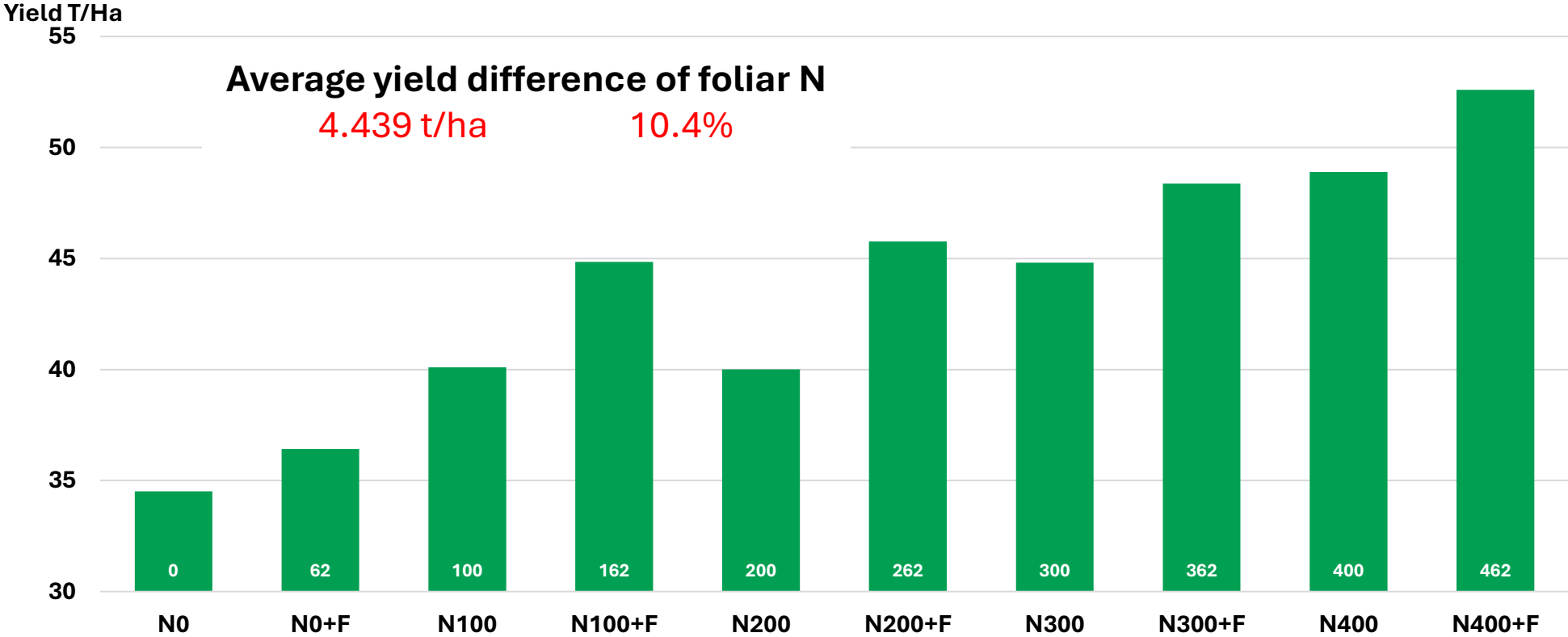
Systems Approach: Trials Results 2024

	Base Nutrition	Planting	Foliar Nutrition	Other Foliar
T1	50% N&P Seedbed	Consortium +	Opti Yield N&P	Standard
T2	50% N&P Seedbed	Rhino Only	Opti Yield N&P	Standard
T3	50% N&P Seedbed	Consortium +	Opti Yield N&P	Diamond
T4	50% N&P Seedbed	Rhino Only	Opti Yield N&P	Diamond
Control	100% Std.	Rhino Only	No	standard



Colwith Farm Potatoes, c.v. Endeavor
 Cornwall, 2024
 Gross margin calculated using £160/t for potatoes

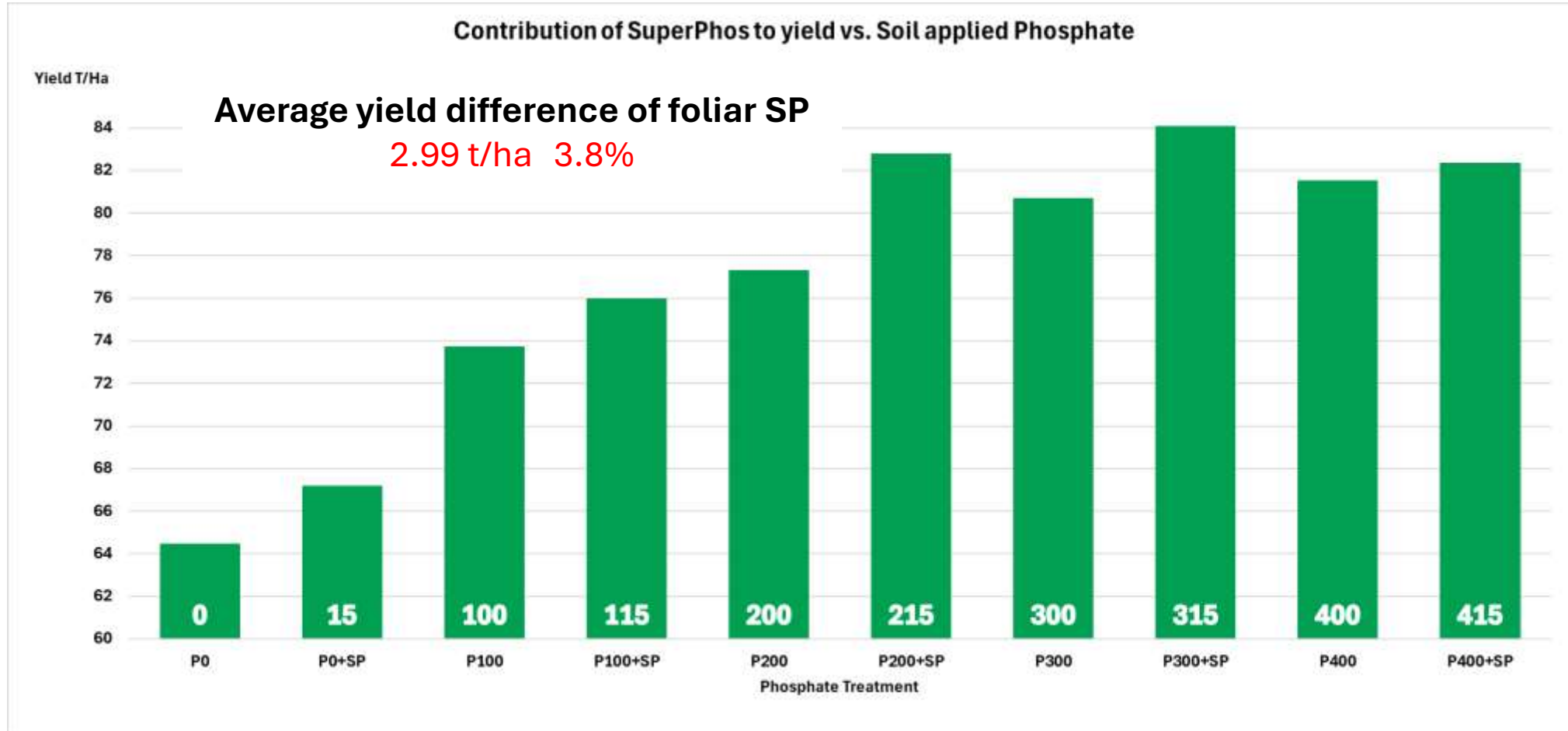
Field Trials: Folia-N application at low OM site



Dyson Research 2024
c.v. Lanoma, 3 Replicates
Soil with low residual mineral N (50 kg N / ha) and organic matter (0 % LOI)



Field Trials: SuperPhos application



Dyson research 2024

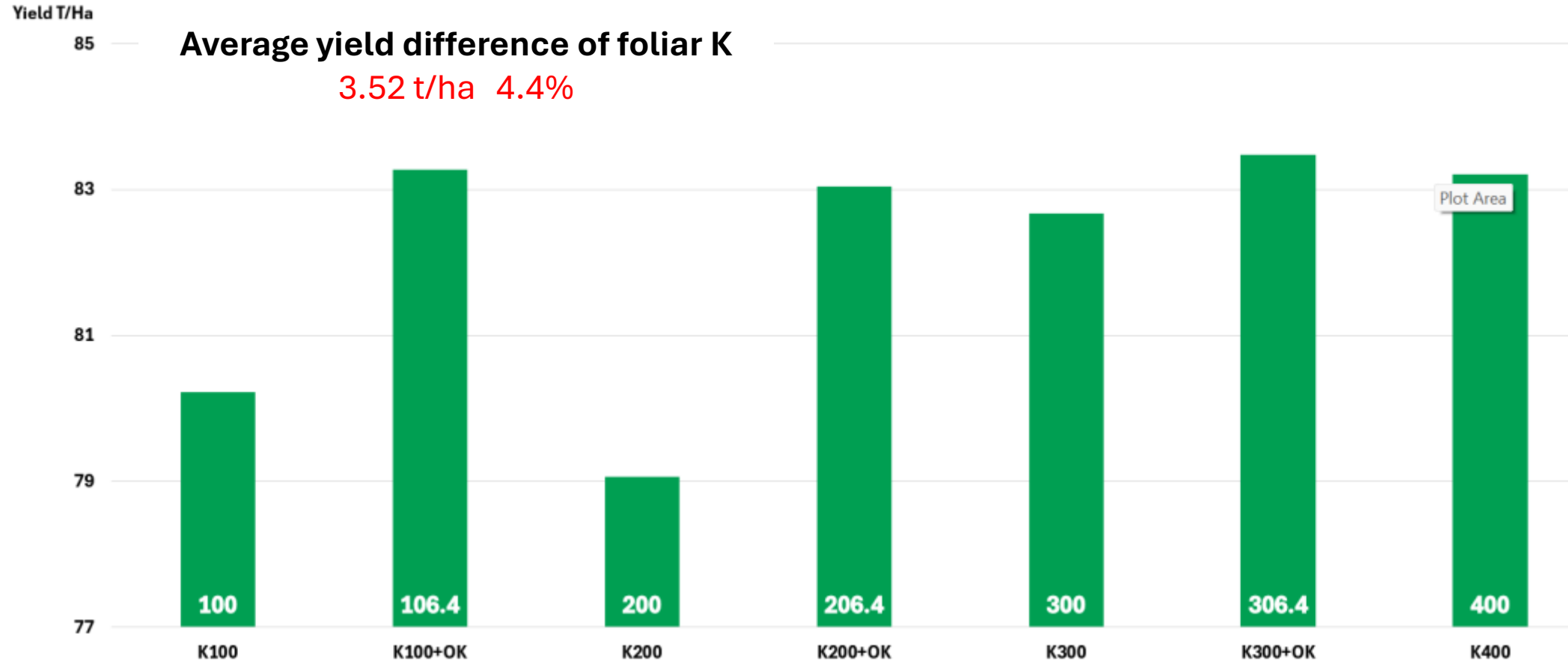
c.v.Melody, 3 replicates

Soil phosphorus: 10.8 mg P / litre (P index 1)



Field Trials: DFR, OptiPot application

Dyson farming
Research



Dyson research 2024

c.v.Melody, 3 replicates

Soil potassium 190 mg K / litre (K index 2+)



Natural wireworm control for potatoes in Cornwall and the UK

Period 1st October – 31st December 2024

Quarter 1 Report



Activities for Quarter 1



Mix Actives



Add to soil



Activity



Creating and testing new granule formulation



Maize pot trials

Agrimentum: Farm & field view (NDVI)

The screenshot displays the Agrimentum web application interface. On the left is a sidebar with a 'Map Layers' section containing controls for 'Farm Businesses', 'Farms', 'Fields', and 'NDVI', each with a toggle switch and an opacity slider. The central map shows a satellite view of a farm with an NDVI overlay in a color scale from red (low) to green (high). On the right, the 'Bore Field' details panel lists farm information and a 'Soil Snapshot' pie chart.

Bore Field	
Farm	Chaxhill Farm
Farm Address 1	Emerald Research Limited
Farm Address 2	The Cottage, Goose Lane
Farm Town	WESTBURY-ON-SEVERN
Farm County	Gloucestershire
Farm Postcode	GL14 1QX
Farm Country	United Kingdom
Field Size (hectares)	12.895

Soil Snapshot	
Sand	43.98%
Silt	44.45%
Clay	11.57%
Stoniness	3.71%



Agrimentum

Data-Driven Farming, Real-World Results

Supplementary Slides

Future Improvements: Agrimentum

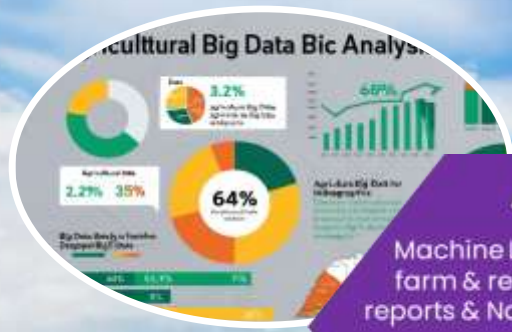
Agrimentum is a web-based crop growth optimisation system.

Agrimentum is driven by algorithms that combine OptiYield recommendations with crop specific agronomics

Agrimentum generates effective full-lifecycle crop programmes, utilising our library of products as well as traditional inputs.

Agrimentum delivers 10-30% marketable yield increases in high-value crops for our farmers & growers.

Agrimentum: 360° agronomy of the future



Advisor

Machine Learning & AI analyse farm & regional data to create reports & Natural Language Advice.

Observe 360°

Satellite imaging as standard using NDVI, LAI and Soil Moisture to check crop health & performance

Map fields

Use Field outline tool to rapidly map each field to capture accurate size & dimensions



Monitor

Integrate IoT soil and crop monitoring tools with in-field testing to advise agronomists and farmers

Soil Analysis

Unique & advanced soil nutrient analysis and availability modelling

360° view of full cycle soil and crop agronomy

Crop Nutrition

Full lifecycle crop nutrition, biostimulant and biopesticide programmes for over 35 crops worldwide and on any soil



Agrimentum: 360° agronomy of the future

Map Farm & fields

Add Farm Business, associated farms then use Field Outline tool to rapidly map each field to capture accurate size & dimensions. Each field can be further divided into Cropping Areas for different crops within a single field.

Soil Analysis

Unique & advanced soil nutrient analysis and nutrient availability modelling provides fresh insight into true requirements for the soil. Select your crop and its characteristics and the system will automatically create a full, detailed fertiliser and biostimulant programme for the cropping season.

Crop Nutrition

Full lifecycle crop nutrition, biostimulant and biopesticide programmes for over 35 crops worldwide and on any soil. System produces full list of products required for each crop and farm before the farming season begins.



Observe 360°

Satellite imaging as standard using NDVI, LAI and Soil Moisture to check crop health & performance throughout the growing season. The system will notify the farmer if there are signs of crop stress or, for irrigated crops, insufficient water.

Monitor

Integrate IoT soil and crop monitoring tools with in-field testing to advise agronomists and farmers. Monitor and measure CO₂, N₂O, CH₄, pH, Ec, soil/air temperature, soil moisture, air humidity in real-time with notifications for levels exceeding the normal.

Advisor

Machine Learning & AI analyse farm & federated regional data to create detailed and relevant reports & Natural Language Advice. Farmer and agronomist can ask the system about what worked and what did not. What to plant where next season.

Functionality & Benefits for the Farmer & Agronomist

Your 360° Crop Production Advisor

Integrated, self-learning soil-to-crop performance system combining Satellite Imaging, Big Data, Machine Learning and revolutionary soil & crop science to provide proactive agronomic advice.

Saves time

Reduces inputs and costs

Helps improve Net Margins



Agrimentum

Data-Driven Farming, Real-World Results

Product Summary



Consortium Plus

- A 'consortium' of bacteria and fungi
- Nutrient availability
- Improved Rooting
- Crop Resilience
- 0.5kg/ha
- Soil Applied

SuperPhos

- 25.8%P, 6%P, 0.38% Zn, 0.25% B
- Nutrients are complexed
- Soil and Foliar
- 5-7.5L/ha

Folia-N

- 22.3%N, 5.5%Mg, 5.5% S
- 4 N sources
- Mg is complexed
- Contains organic acids
- 10-100L/ha
- Foliar

Opti-Pot

- 6.9%N, 13.8% K
- Contains organic acids
- 2-5L/ha
- Foliar

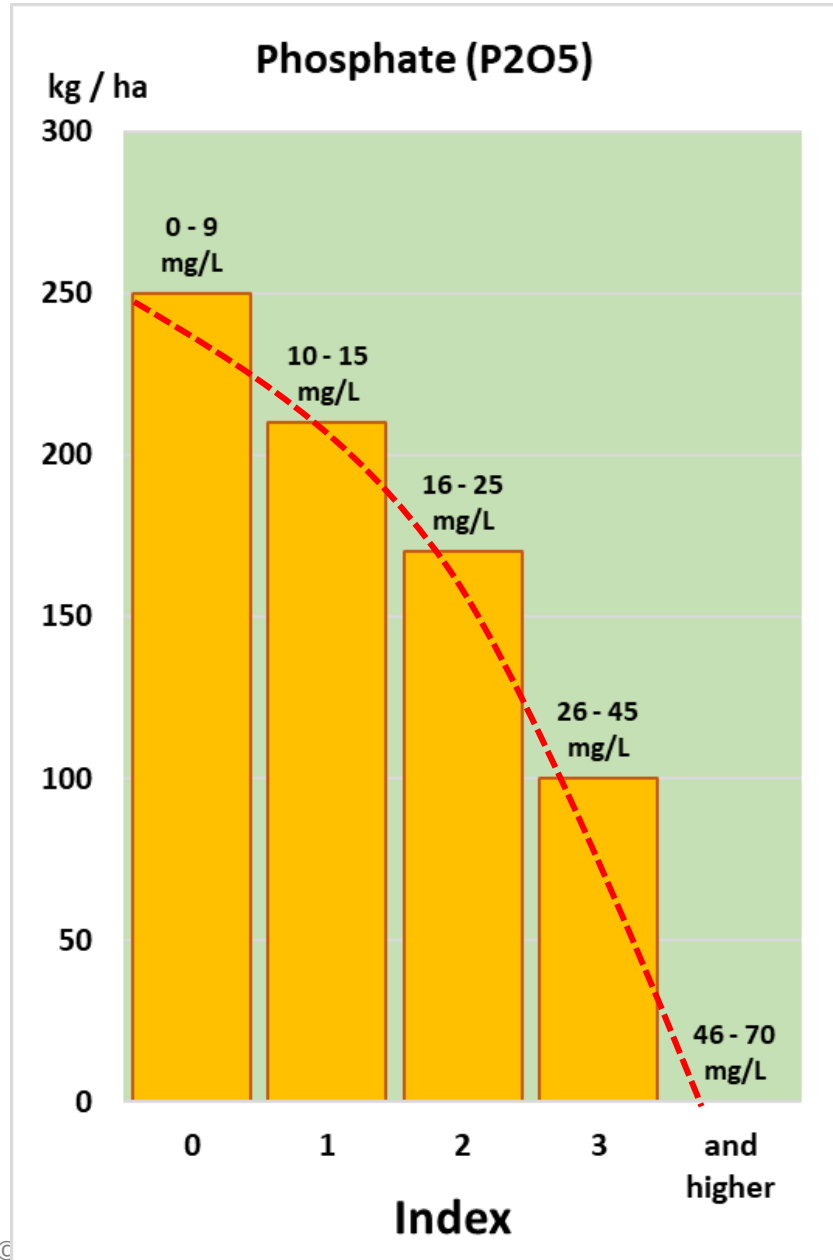
Diamond

- N:P:K Ca, Zn, Cu
- Ionic form
- Organic acids
- 0.5-3L/ha
- Elicits natural plant defence
- Promotes rooting and NUE
- Foliar

Assumption 1

Nutrient Indices are sufficient for fertiliser recommendations

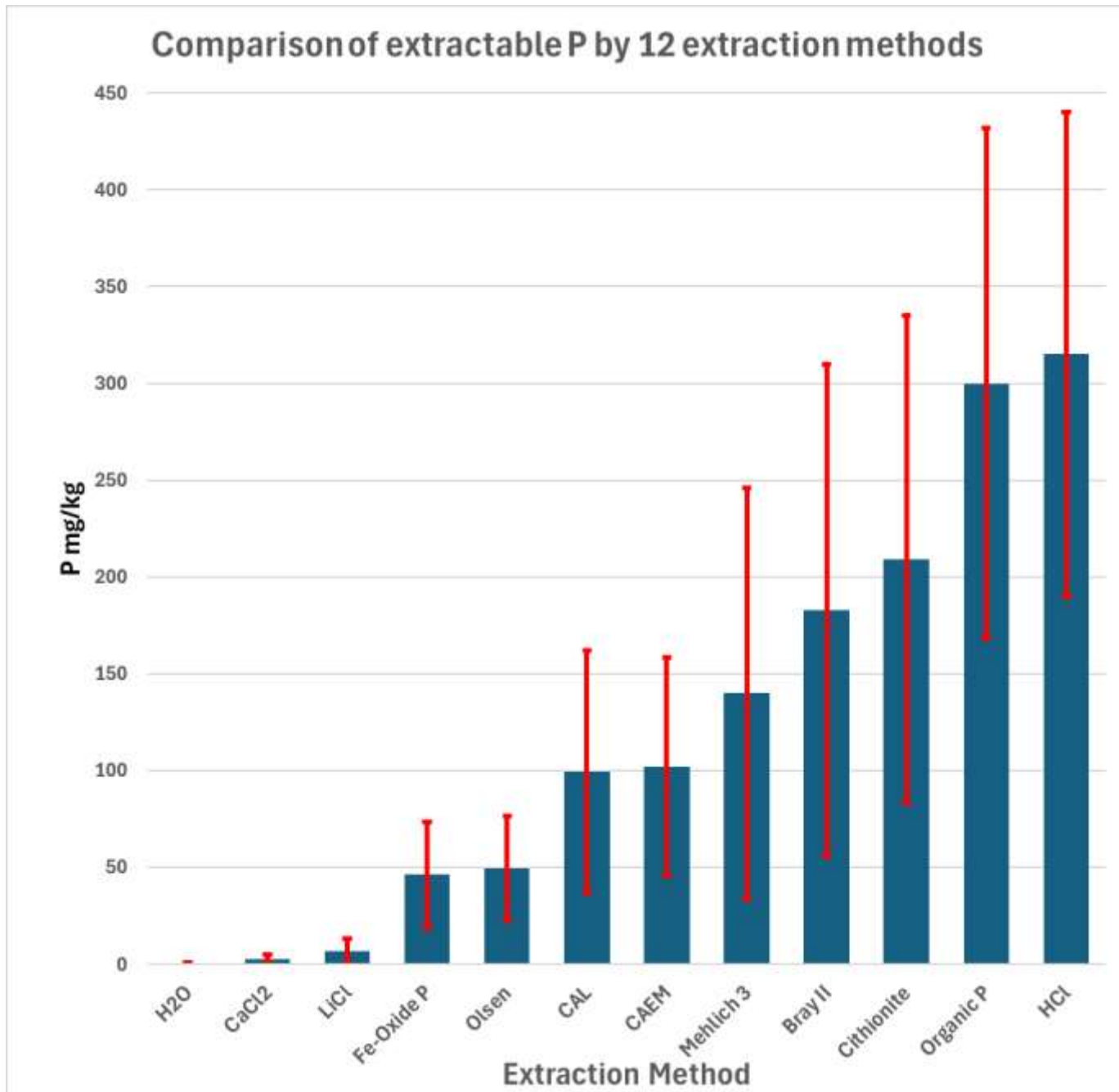
Phosphate - **Conventional** Guidelines for Potatoes



Assumption 2

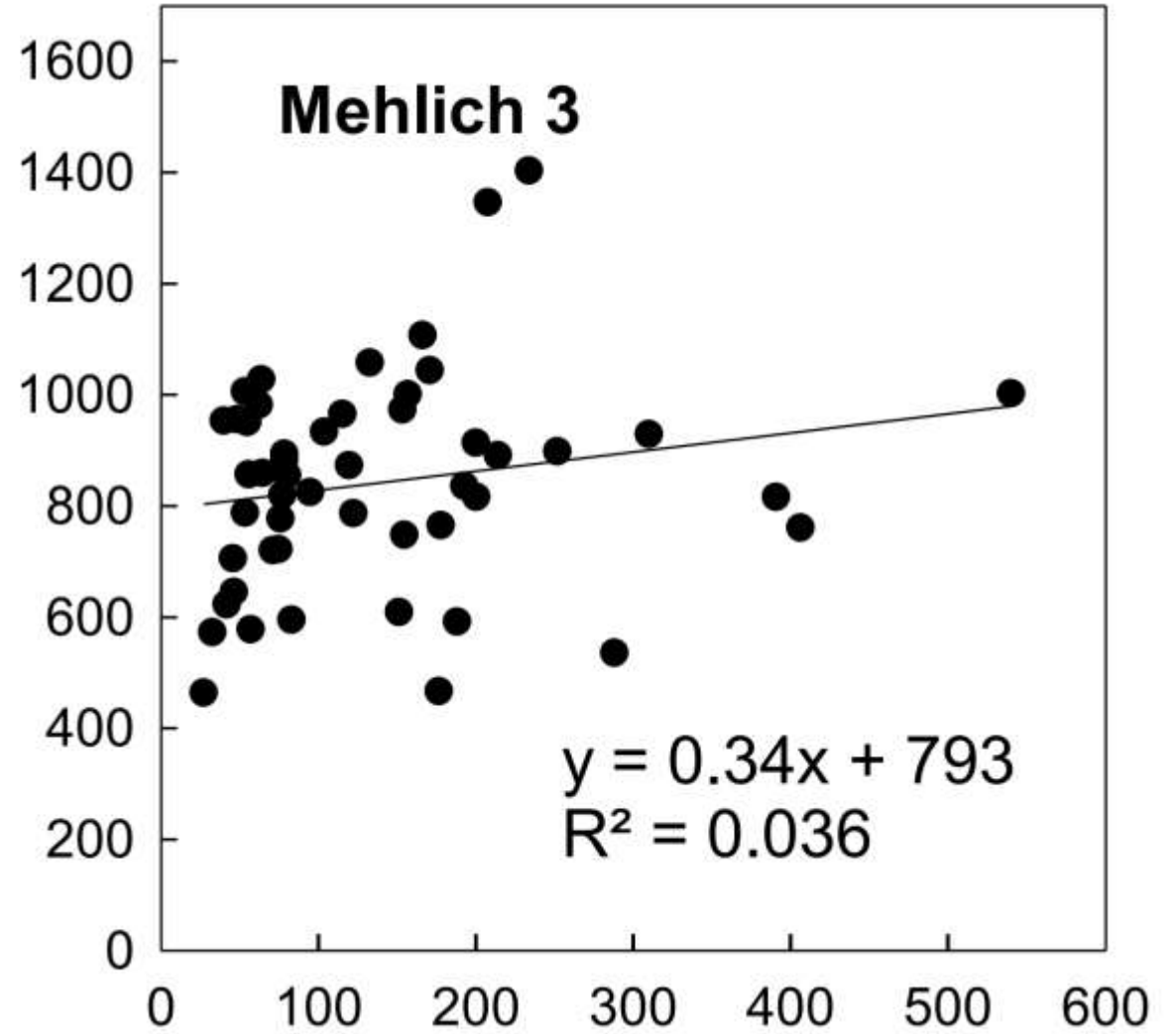
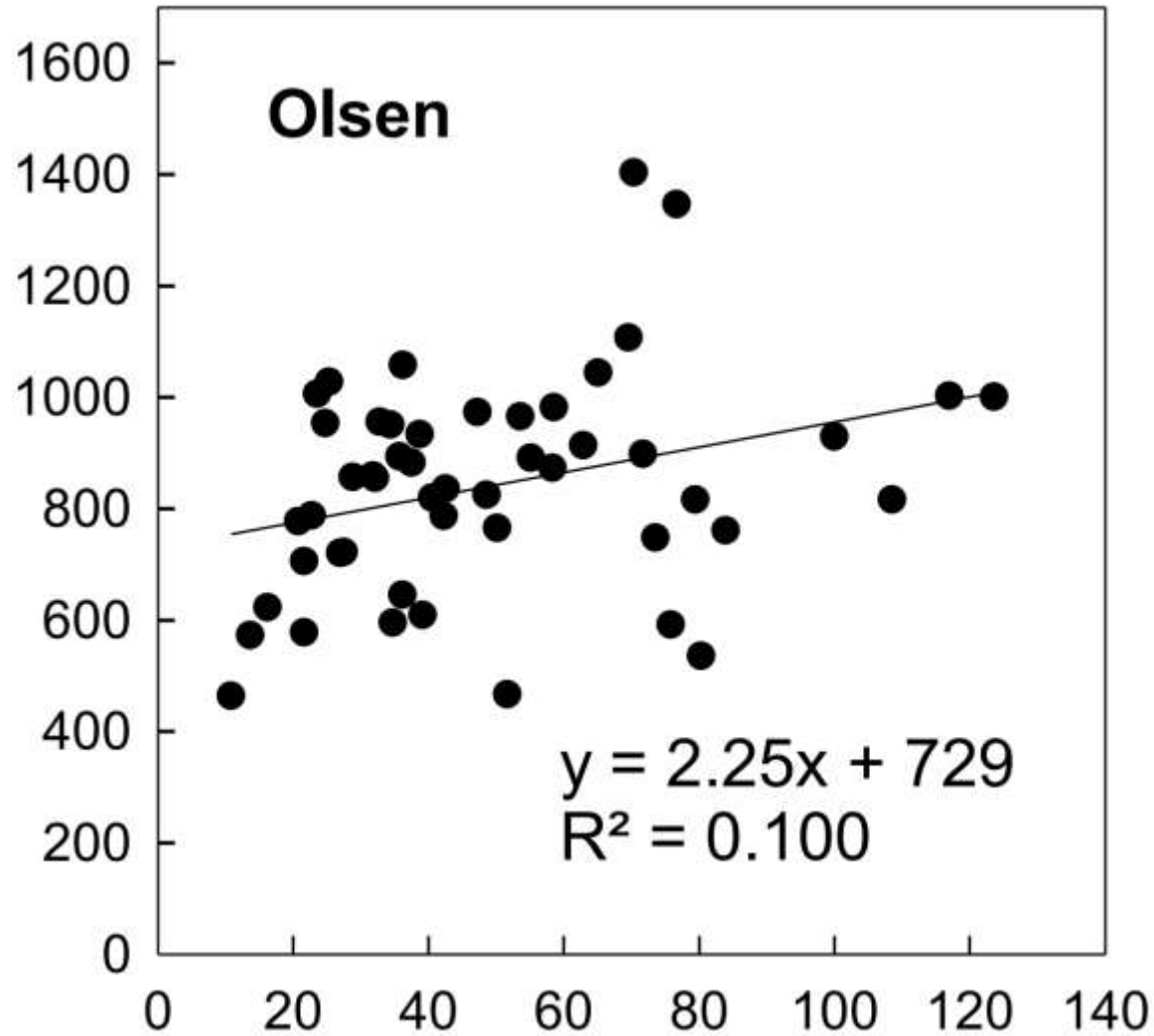
Single lab extractant is reliable indicator of need

P - Extraction Relationship with leaf tissue Nutrients



Comparison of different applied extraction methods by the average amount of extracted P and standard deviation.

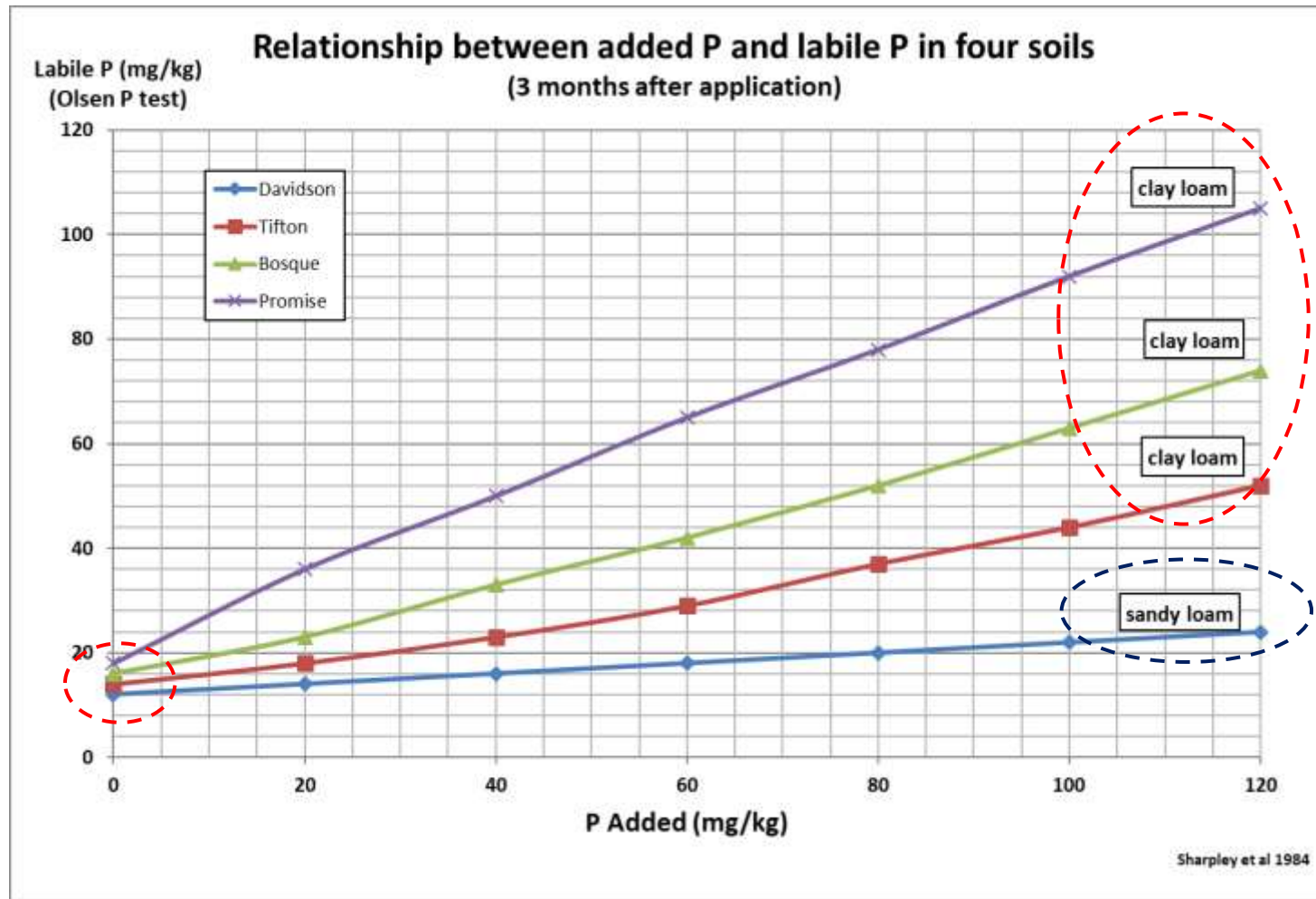
P - Extraction Relationship with leaf tissue nutrients across different soil types



$R^2 = 1.00$ Perfect fit

$R^2 = 0.00$ No Fit

Phosphate sorption by different soils



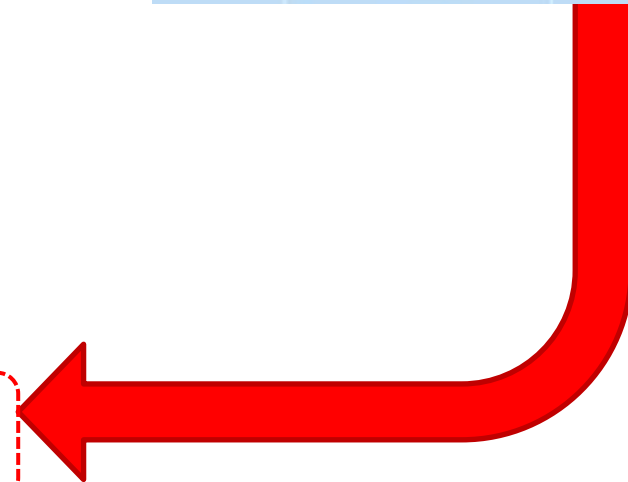
Index	0	1	2	3	4
mg/kg	0-9	10-15	16-25	26-45	>45
P ₂ O ₅ rec. (Potatoes)	250	210	170	100	0

How Conventional Recommendations are made

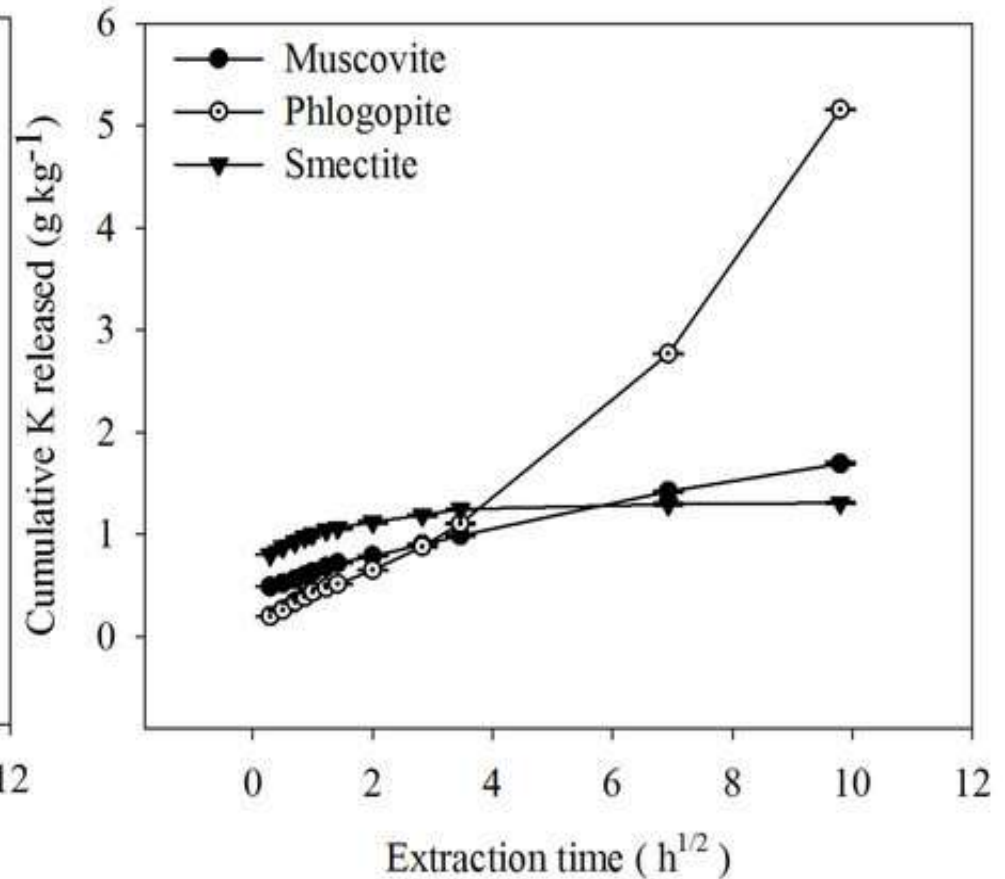
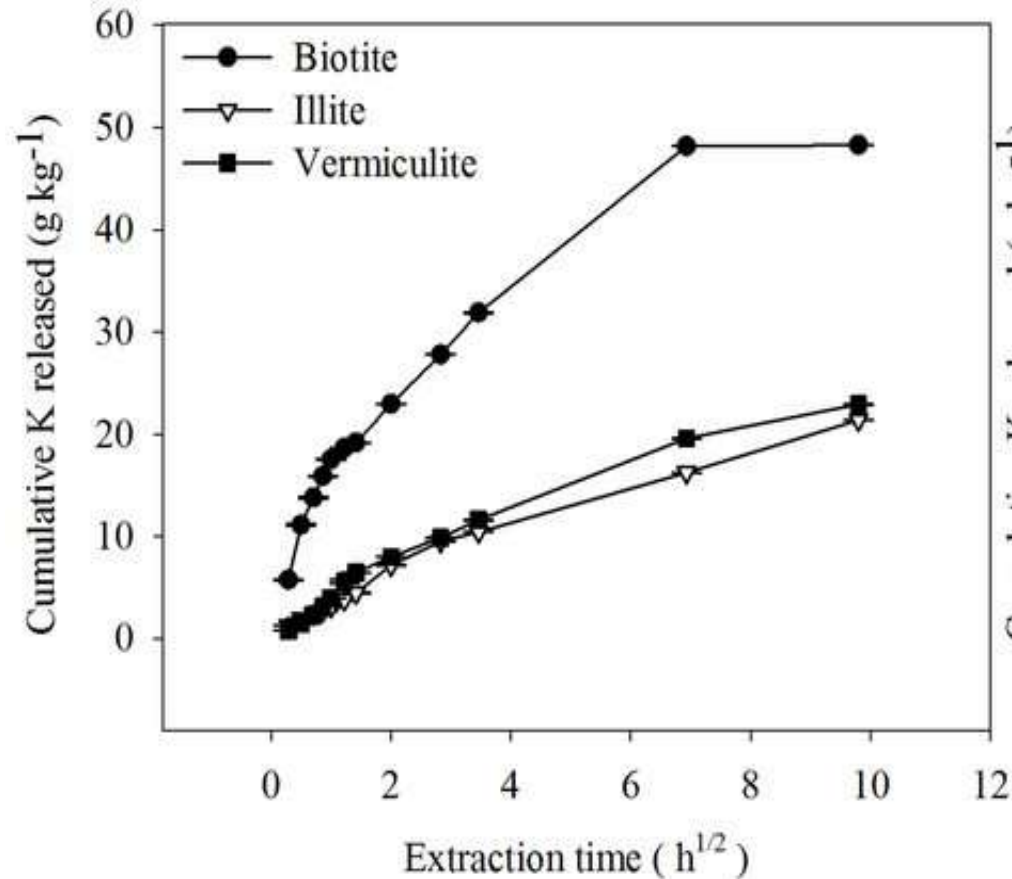


Index	Phosphorus (P)	Potassium (K)	Magnesium (Mg)
	Olsen P (mg/L)	Ammonium nitrate extract (mg/L)	
0	0-9	0-60	0-25
1	10-15	61-120	26-50
2	16-25	121-180 (2-) 181-240 (2+)	51-100
3	26-45	241-400	101-175
4	46-70	401-600	176-250
5	71-100	601-900	251-350
6	101-140	901-1,500	351-600
7	141-200	1,501-2,400	601-1,000
8	201-280	2,401-3,600	1,001-1,500
9	Over 280	Over 3,600	Over 1,500

Crop	Nutrient (kg/ha)	Soil P or K index				
		0	1	2	3	and higher
Winter wheat (8 t/ha)	Phosphate (P2O5)	110	80	50	0	0
	Potash (K2O)	105	75	20 (2+) 45 (2-)	0	0
Winter triticale (8 t/ha)	Phosphate (P2O5)	125	95	65	0	0
	Potash (K2O)	105	75	20 (2+) 45 (2-)	0	0
Winter barley (6.5 t/ha)	Phosphate (P2O5)	110	80	50	0	0
	Potash (K2O)	95	65	35 (2-) 0 (2+)	0	0
Spring barley (5.5 t/ha)a	Phosphate (P2O5)	105	75	45	0	0
	Potash (K2O)	90	60	30 (2-) 0 (2+)	0	0
Spring wheat/ spring triticale/rye/ oats (6 t/ha)	Phosphate (P2O5)	110	80	50	0	0
	Potash (K2O)	95	65	35 (2-) 0 (2+)	0	0
Potatoes (50 t/ha)	Phosphate (P2O5)	250	210	170	100	0
	Potash (K2O)	360	330	300	150	0



Potassium release in 0.2 M NaTPB over time for different K-bearing minerals



It is not just the amount of readily available/extractable K that determines total K availability to a crop, it is also the release rate from the soil K bearing minerals that determines this. This is more important than a simple extraction.

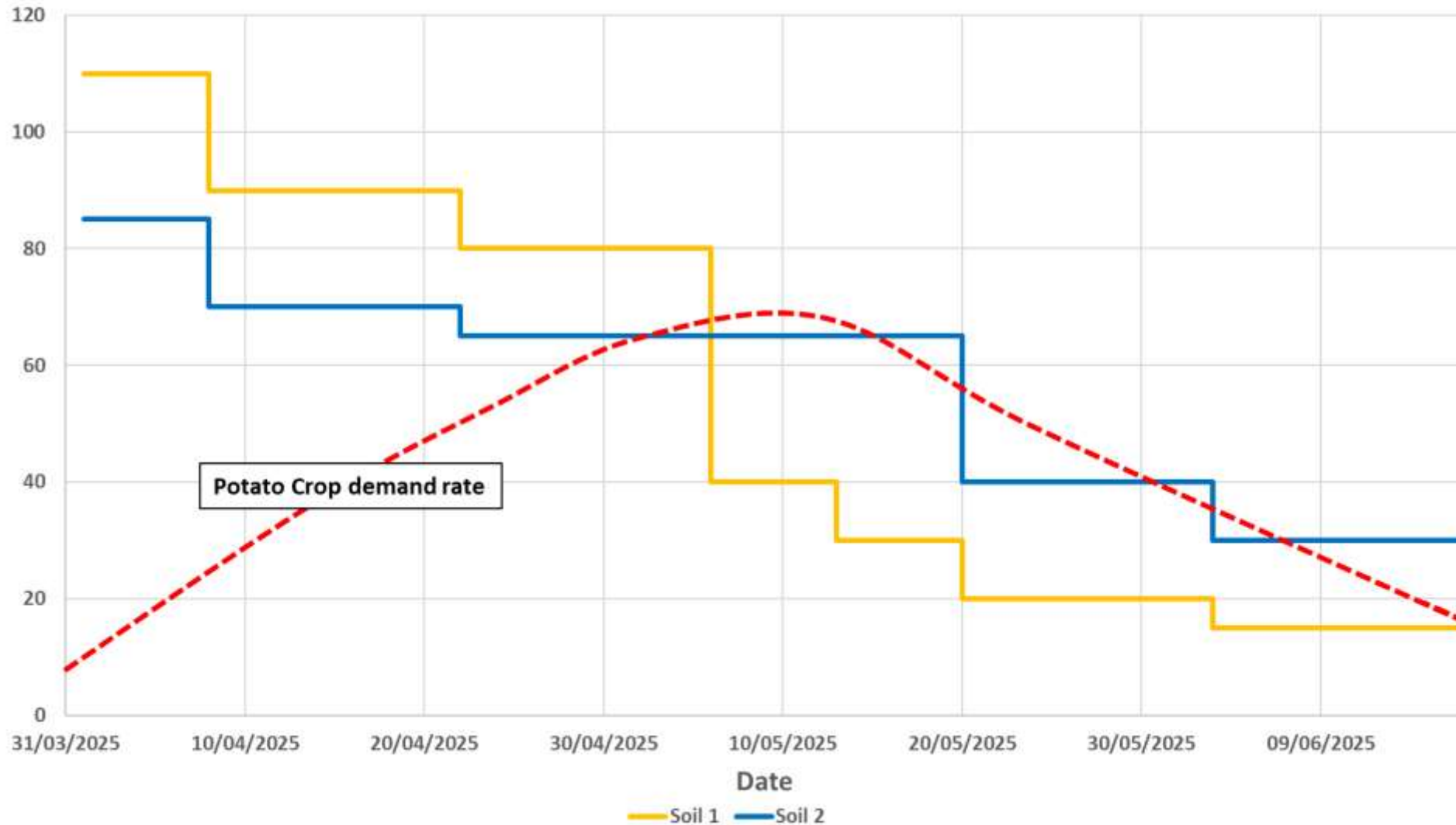
“In most part of the world, K⁺ fertilizers are recommended generally without considering clay minerals present in the soil and recommended fertilization do not give appropriate results discouraging the farmers to use K⁺ fertilizers for crop production.”

Potassium dynamics in soils differing in clay contents
Journal of Food & Agriculture, Jan 2014

Potassium release amount and rate for different soils

2 soils both with 160 mg/l K (Index 2-)

K₂O Release Rate
(kg/ha/week)

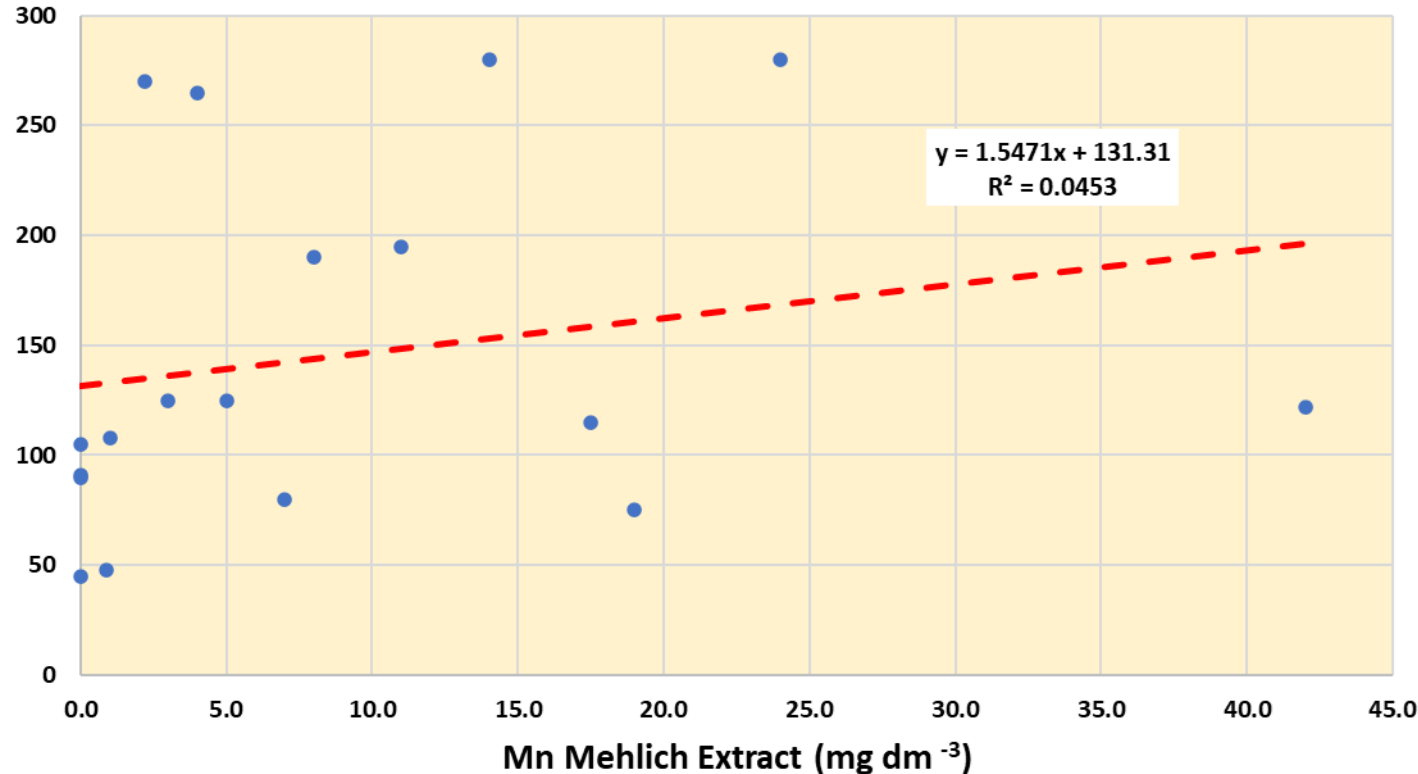


Note: Each of these soils has similar extracted K results with the Ammonium Nitrate test but produce entirely different levels of K availability.

Relationship between soil extractable Mn measured by three extractants and Mn uptake

Mn Uptake

Mn Uptake (mg plant⁻¹)



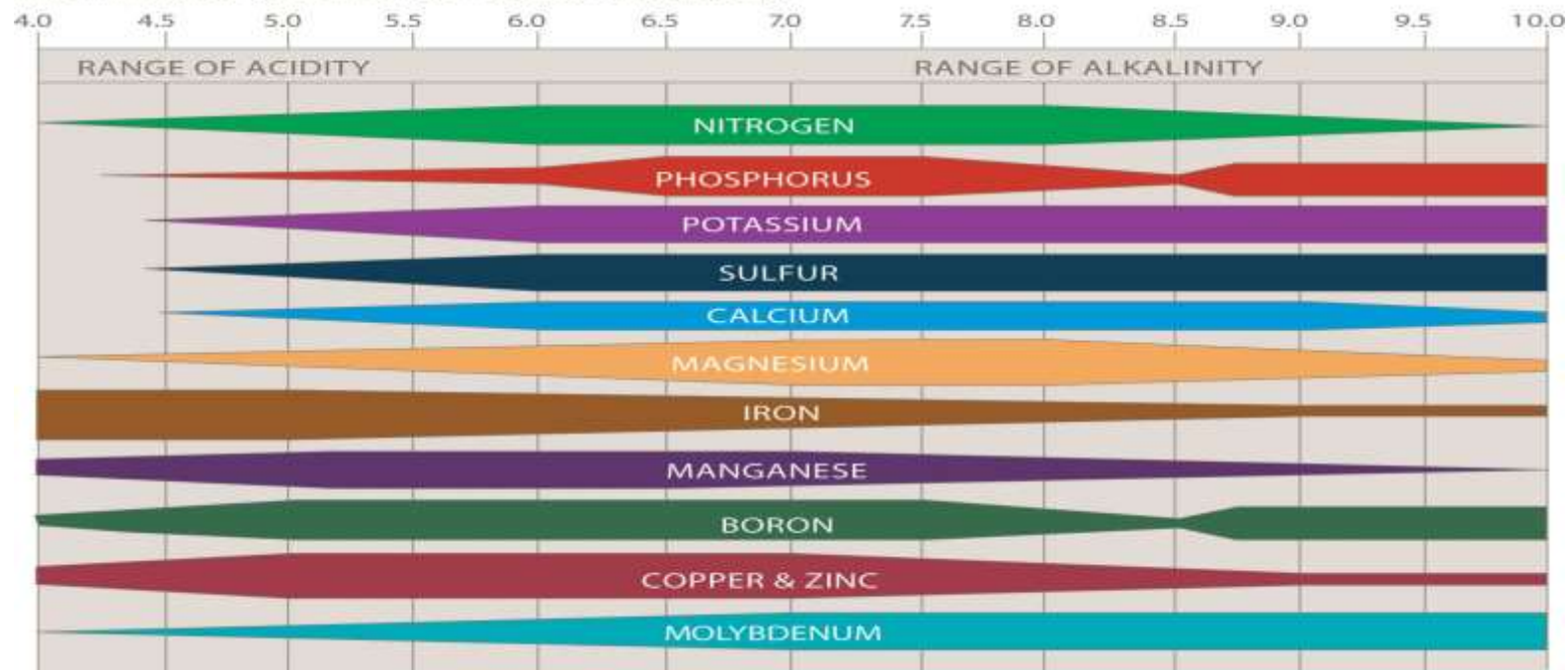
- Very poor relationship between extractant & Mn uptake ($R^2 = 0.04$).
- DTPA extractant better ($R^2 = 0.68$), but still not satisfactory (not used in UK).
- Further much improved relationship when relationship included pH, OM and clay into a more complex equation ($R^2 = 0.89$).
- Correlations seem to vary by plant type and other minerals in soil play a part.

Sobral, L. F., Smyth, J. T., Fageria, N. K., & Stone, L. F. (2013). Comparison of Copper, Manganese, and Zinc Extraction methods
doi:10.1080/00103624.2013.812731

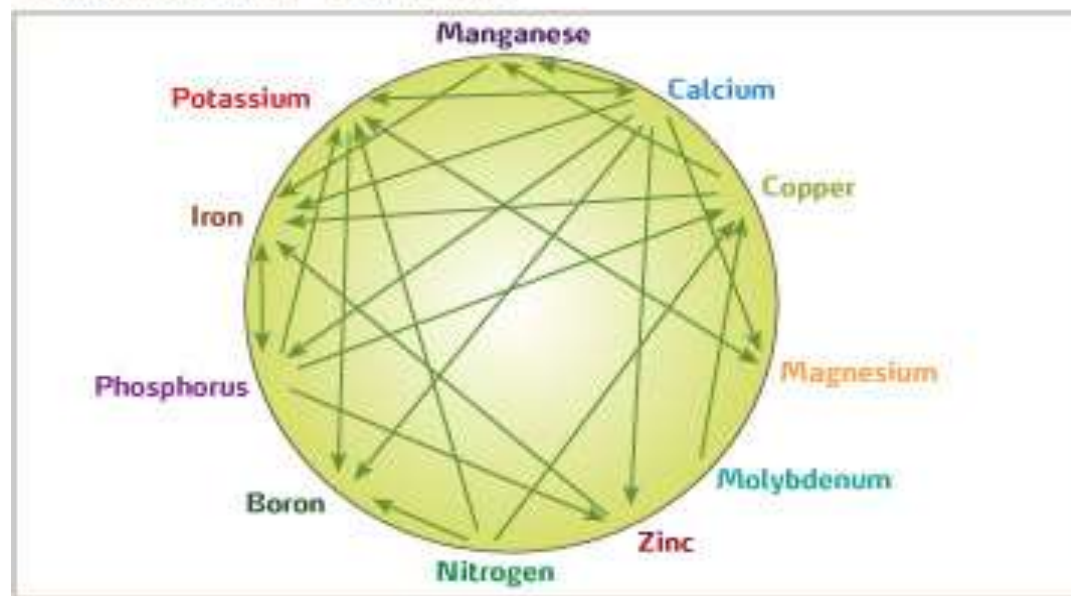
Assumption 3

Nutrients are not affected by other factors or nutrients

The Influence of Soil pH on Nutrient Availability

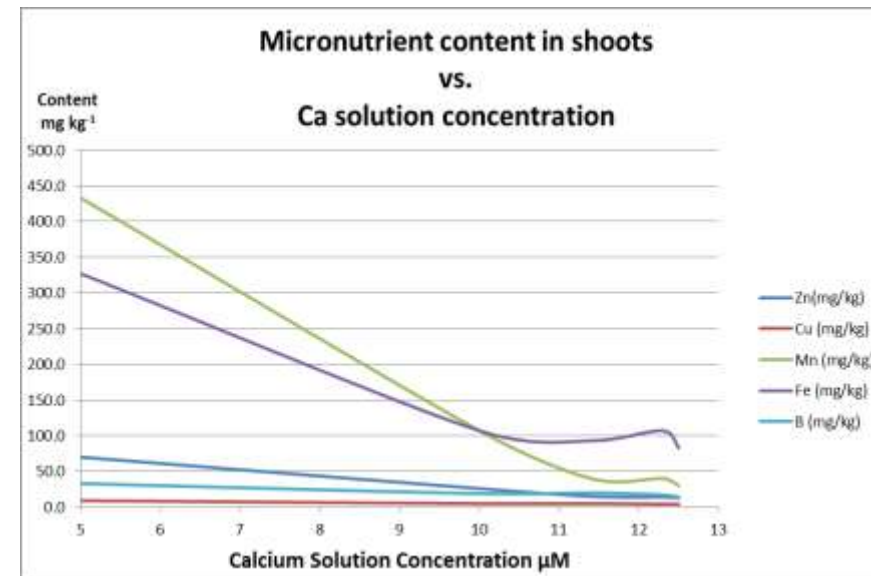
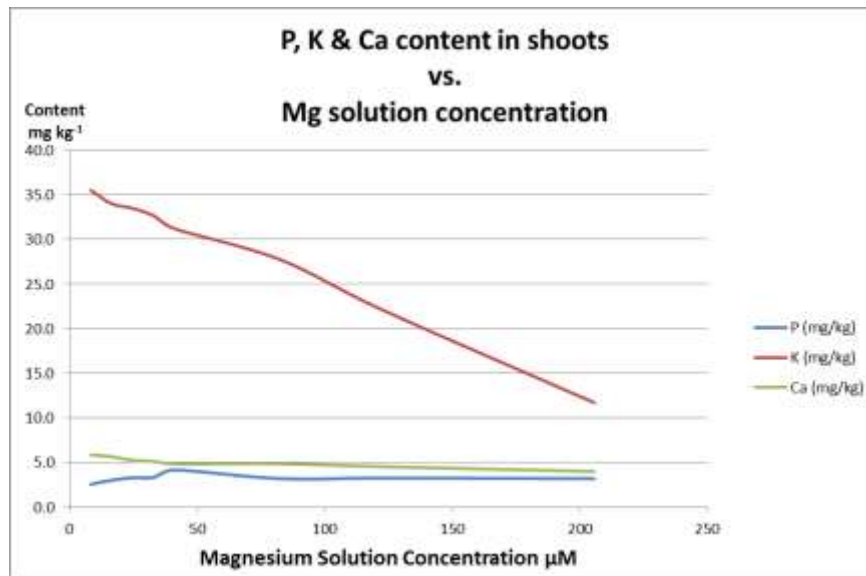
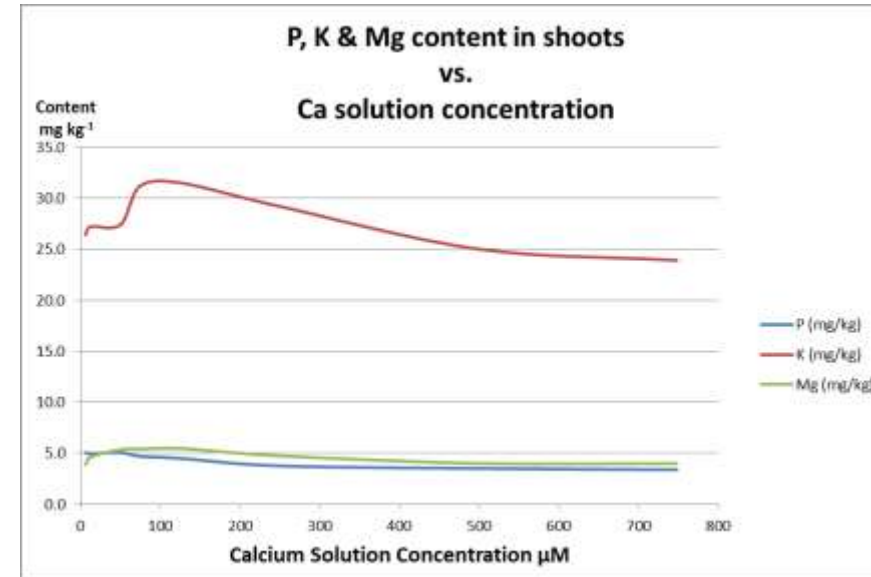
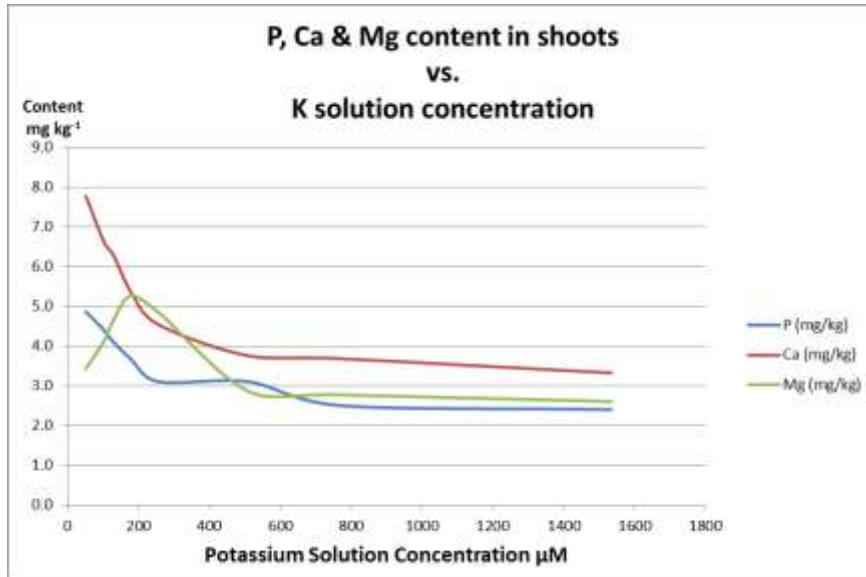


Element Interactions - Mulders Chart

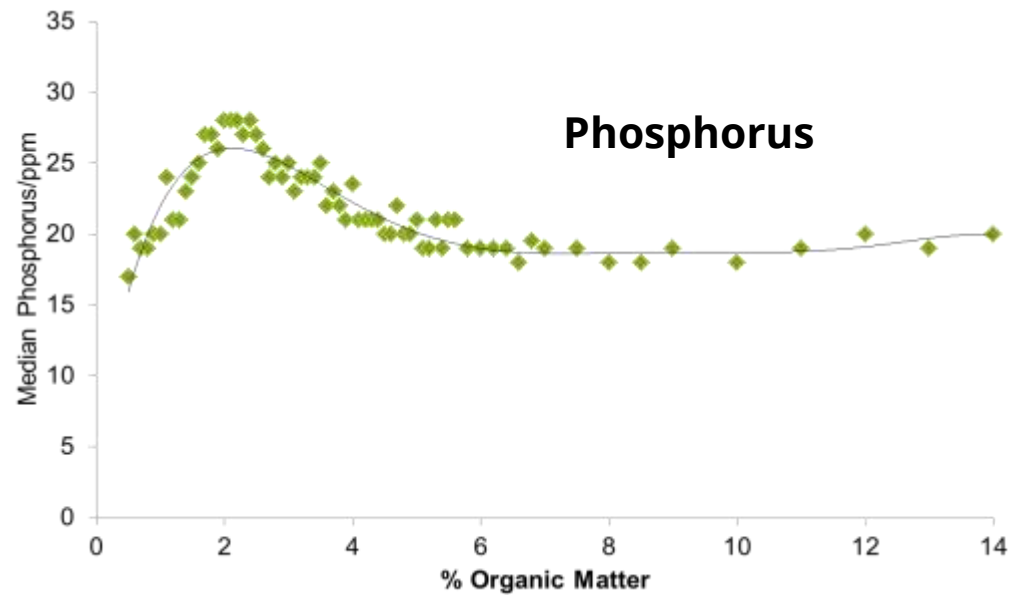
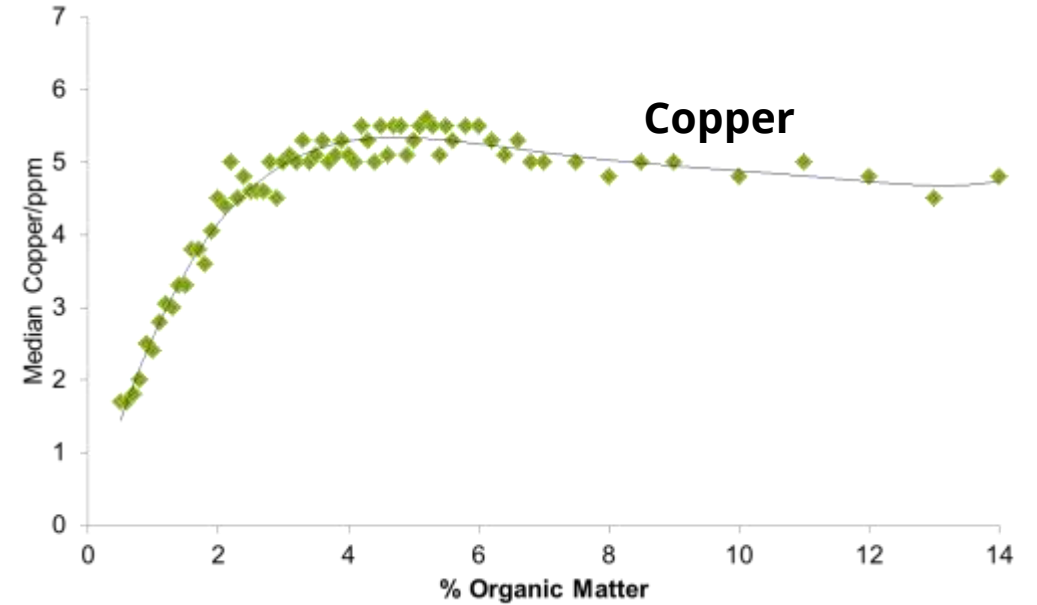
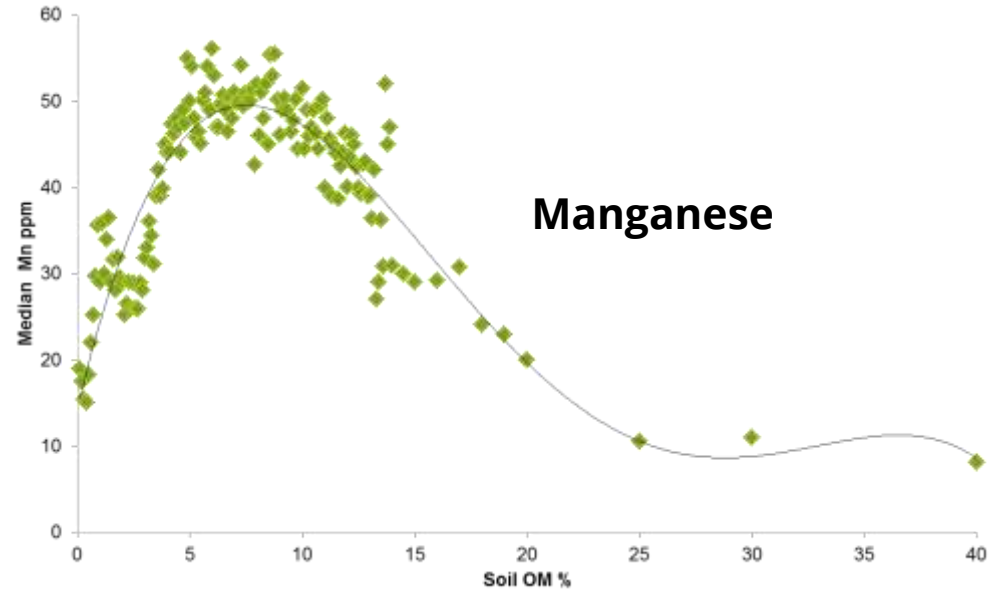


Mineral Interactions

P, K, Mg, Ca and Micronutrient interactions in plant shoots Under Different Concentrations of nutrients in Nutrient Solution



Factors affecting availability (ERL research)



Analysis results correlated against OM% show variable influences, which are further controlled by other factors.

Product Profitability (Main Crop Focus)



	Leeks		Potatoes		Carrots	
	Std.	+OptiYield	Std.	+OptiYield	Std.	+OptiYield
OptiYield						
Increase in Total Yield *		(+17%)		(+15%)		(+18.5%)
Crop Costs						
Variable + Fixed Costs	8,085	8,085	6,108	6,108	6,108	6,108
OptiYield Costs	0	125	0	150	0	175
TOTAL COSTS	8,085	8,210	6,108	6,258	6,108	6,283
Total Yield (tonnes)	25.00	29.25	50.25	57.79	81.63	96.73
Marketable Yield (%)	92%	95%	92%	95%	92%	95%
Marketable Yield (tonnes)	23.00	27.79	46.23	54.90	75.10	89.05
Quality Price Premium		5%		5%		
Farmer Typical Income	£10,350	£12,504	£6,472	£8,070	£7,510	£8,905
Increased Turnover		£2,154		£1,598		£1,395
Farmer Net Profit	£2,265	£4,294	£364	£1,812	£1,402	£2,622
Increase in Net Profit %		89.6%		397.5%		87.0%

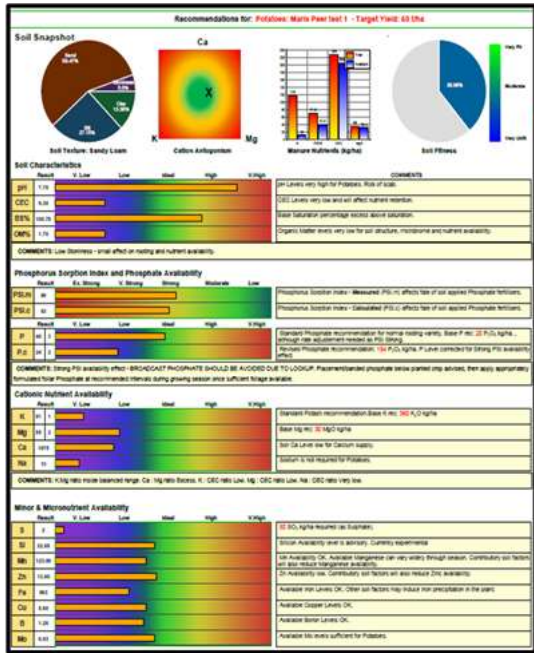
*** Based on average increases from Independent trial results**

NB: Additional bulk fertiliser savings likely under OptiYield programme

- ◇ **Very low risk:** adds 1.5 – 2.0% to overall production costs of target crops
- ◇ **High ROI:** average return of 5 to 10 times cost of OptiYield inputs
- ◇ **Increased Net Profit:** 20 – 400% increase in Net Profit, depending on crop and circumstances
- ◇ **Greater Saleability:** Improvements in crop quality and consistency create a more valuable, saleable product

Our Solution: end-to-end Expert Agronomy System

Soil Nutrient Availability Modelling



Generates Full Lifecycle Crop Nutrition Programme

Recommendations for: Potatoes: Main Plant test 1 - Target Yield: 60 t/ha

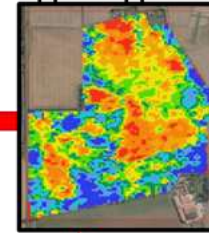
Crop Qualities:

Substratum	normal	Overwater	important	Overwater	large	Substratum	subnormal
Temperature	suboptimal	Overwater	not important	normal	proper	Industry	subnormal
Humidity	medium	low	normal	proper	normal		

Application Programme Details Table

Growth Stage	Description	Application Details
PREP	Seedbed Programme	Base Fertiliser: Base P rec: 20 P ₂ O ₅ kg/ha Base P rec: 154 P ₂ O ₅ kg/ha (revised P recommendation 2) Base K rec: 160 K ₂ O kg/ha Base Mg rec: 20 MgO kg/ha Base Ca rec: 240 Ca kg/ha Base S rec: 10 S kg/ha Ca/Mg/S Sulphur: 350 kg/ha apply at bed-forming or before sowing.
SLT PREP	Alternative Seedbed Programme	Base P rec: Recommended Alternative Base Fertiliser Programme: 75 kg/ha P2O5 (ALL banded & placed - FOLJAR)
NITROGEN	Nitrogen Programme	Total N: 180 kg/ha Minus Mature N Contribution: 167 kg/ha Total Fertiliser N (Optional Split): 125.20 kg/ha Seedbed Nitrogen: 41.75 kg/ha Top Dressing
G00	Planting	MgPS: 5.00 t/ha
G01	100% (Full) Emergence	
G02	Rosette stage (3 leaf)	
G03	Tuber initiation begins (hooking) (14 - 21 days after Full Emergence)	Actic: 1.00 t/ha MgPS: 1.00 t/ha
G04	Tuber initiation continues (swelling) (21 - 30 days after Full Emergence)	Actic: 1.00 t/ha MgPS: 1.00 t/ha
G05	End of Tuber initiation (28 - 35 days after Full Emergence)	Fol-Mag: 2.00 t/ha MgPS: 0.75 t/ha Actic: 1.00 t/ha
G06	50% - 75% Ground cover	Fol-Mag: 2.50 t/ha Fol-K: 2.00 t/ha Sawgrass: 1.00 t/ha Actic: 1.00 t/ha
G07	75% - 100% Ground cover	MgPS: 7.50 t/ha Fol-K: 4.00 t/ha MgPS: 6.00 t/ha Actic: 1.50 t/ha
G08	Stable Canopy, Tuber bulking begins	MgPS: 7.50 t/ha Fol-K: 6.00 t/ha Sawgrass: 0.50 t/ha Actic: 1.50 t/ha
G09	Every 21 Days, until...	MgPS: 6.00 t/ha Actic: 1.50 t/ha
G010	1 month before haulm destruction	

PRECISION Mapped Applications



For all fields...



Unique Nutrient Management tools

- Full Crop Nutrition programmes
- Field level product inventory
- Agronomic Management Dashboard
- Product inventory for Distributor
- Real-time field monitoring:
- Carbon, REDOX, pH, Ec, GHG monitoring
- Temp, Light, Water, Conductivity, Wind
- Crop health – sap analysis

With whole farm imaging NDVI, LAI etc.



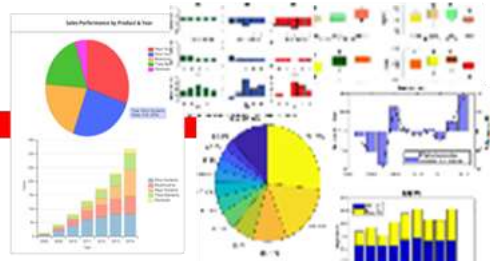
For each field & crop

Every Growth stage..

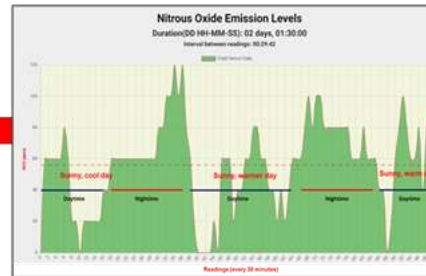
- Fertilisers
- Foliar Nutrients
- Biostimulants
- Microbials



Real-time AI Language Model "Agronomy Expert System" advice for farmers, agronomists and distributors



Data analysis, AI & ML for analysts and crop scientists



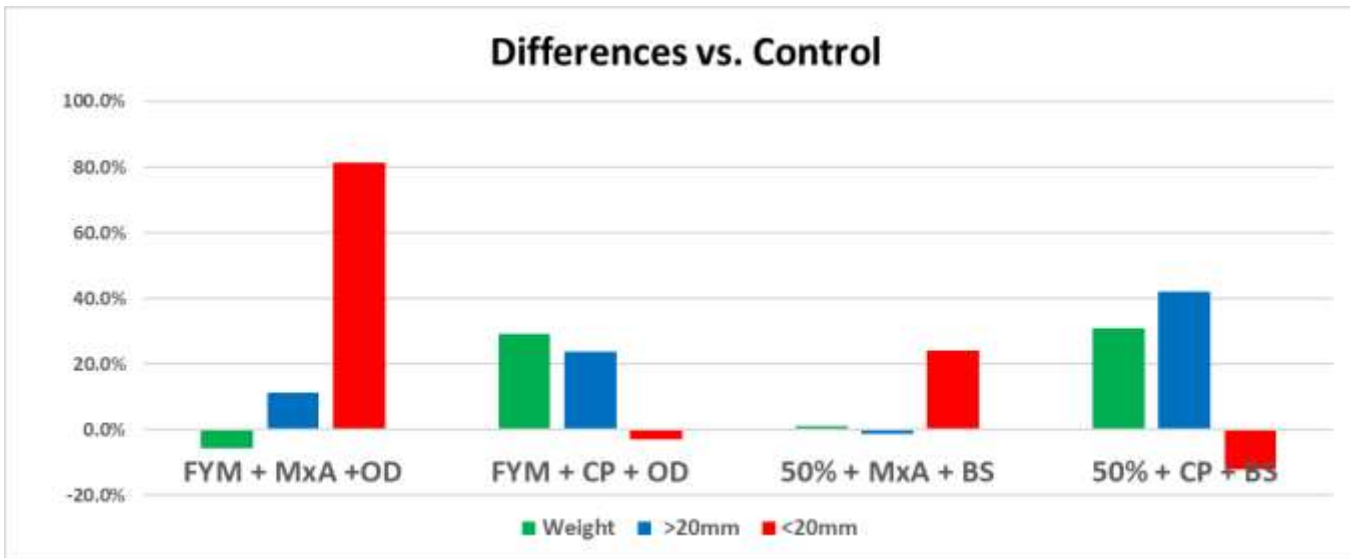
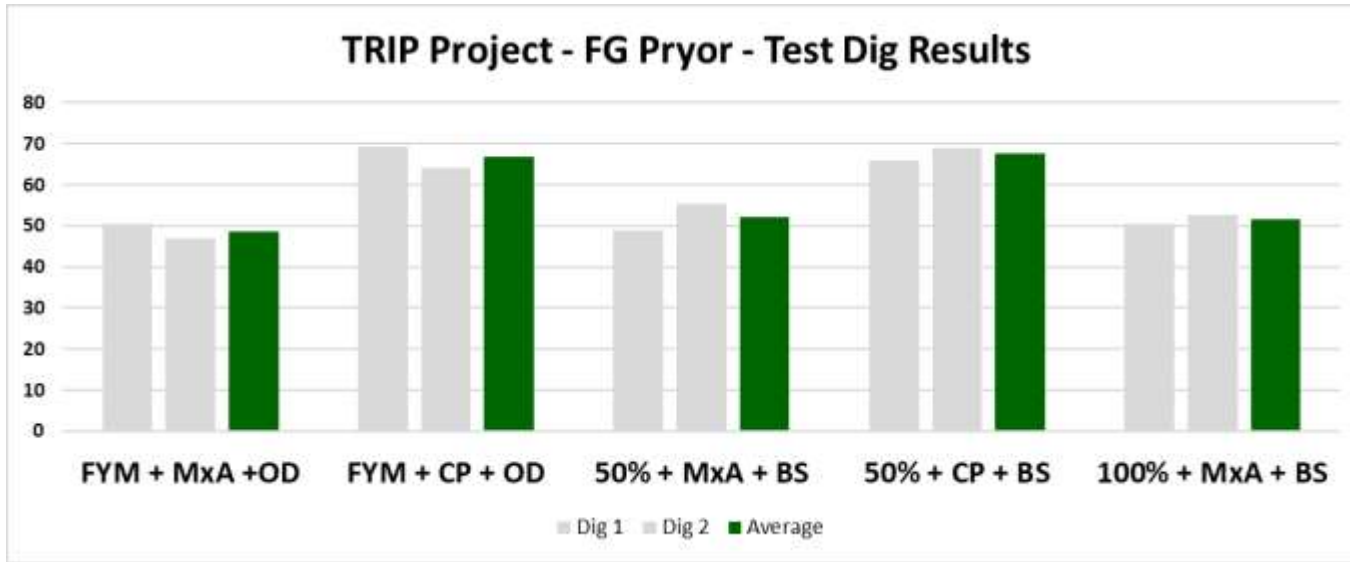
Real-time reporting...



IoT: GHG, CO₂, pH, Ec, REDOX, Temperature, moisture, light, wind speed monitoring, real-time sap analysis & interpretation



Work Package 3 – Field-scale trials (FG Pryor & Son, Truro, Cornwall)



T1 2.44 kg Count 40 >30mm 30 <30mm		
T2 3.34 kg Count 44 >30mm 16 <30mm		
T4 2.60 kg Count 35 >30mm 21 <30mm		
T5 3.38 kg Count 51 >30mm 15 <30mm		
Control 2.58 kg Count 36 >30mm 17 <30mm		

OptiYield (Development) Analyses and Recommendations

Customer: **0000: R Stephenson & Son** ▼

Region: **0055: Jon Appleton**

Target Yield: **0056: Ibbotson Produce Ltd.**

Language: **0057: Massagri SPRL**

Programme: **0058: W.B. Daw & sons**

Miscellaneous: **0059: I D & F K Elliott**

0060: E. Morrell & Sons

0061: B H Savidge & Son

0062: J H McCloy & Co. Ltd.

0063: H Barker & Sons

0064: Wilfred Maddocks Ltd.

0065: J F D Hargreaves Ltd

0066: G. Headley

0067: Greelands Potatoes Ltd.

0068: J.E. Simpson & Sons

0069: P.D. Nicholson

0070: R.A. Smith

0071: R Stephenson & Son

0072: Huntapac Produce Ltd

0073: Greenlands Potatoes Ltd.

0074: Stratton Streles Estates Ltd ▼

Sample: **-----** ▼

Crop: **----- Select -----** ▼

Products: **OptiYield 2024** ▼

Manure (1): **None** ▼

Tonnes/Ha:

Manures (2): **None** ▼

Tonnes/Ha:

Previous Crop: **None** ▼

Selected Metrics

Country:

Sample:

Crop Type:

Crop Subtype:

Crop Variety:

Target Yield:

Product Type:

Language:

Demo Output:

Programme:

Output:

Manure:

Manure (T/Ha):

Manure2:

Manure2 (T/Ha):

Previous Crop:

Comments and Notes:

Create Interpretation Report