



Analysis Results (SOIL)

Customer A FARMER

THE FARM ABC 123 **Distributor** PRAG LTD

MOUNTAIN FARM BROADWAY HAVERFORDWEST

PEMBROKESHIRE

SA62 3HU

Sample Ref EXAMPLE S1 PLUS SA14

EXAMPLE S1 PLUS SA14

Crop POTATOES

Sample No

Date Received 01/05/2017 (Date Issued: 01/05/2017)

Analysis	Result	Guideline	Interpretation	Comments	
рН	6.1	6.5	Slightly Low	Slightly low. An acidic environment will reduce soil nutrient availability and the efficiency of any applied fertilisers or organic materials. A sub optimum pH will also impact on soil microbial populations and rates of activity. Refer to lime requirement.	
Phosphorus (ppm)	20	16	Normal	(Index 2.4) 170 kg/ha P2O5 (136 units/acre).	
Potassium (ppm)	98	121	Low	(Index 1.6) 330 kg/ha K2O (264 units/acre).	
Magnesium (ppm)	457	51	Very High	(Index 6.4) Possible interference with the availability of Potassium.	

Additional Comments

Soil applied P and K recommendations are taken from AHDB Nutrient management Guide (RB209) for Maincrop yielding 50 t/ha. The potash recommendations at target or lower indices can be can be adjusted when yield is likely to be larger or smaller than 50 t/ha by multiplying the difference in expected yield by the potash content per tonne yield (see 8th edition RB209 for more detail). Ensure the potash offtake is balanced by application of potash fertiliser on Index 2 soils, and check that the soil is maintained at Index 2 for both phosphate and potash by soil sampling every 3-5 years. The amounts of phosphate and potash shown at Index 2 are those recommended to achieve a total yield of 50 t/ha. The phosphate recommendations are intended to achieve optimum yield and should not be adjusted even if larger or smaller yields than 50 t/ha are expected.

INTERPRETATION & DECISION RULES

pH and macro-nutrient guidelines, index values and any fertiliser & lime recommendations are taken from AHDB publication 'Nutrient Management Guide (RB209)'. The laboratory exercises a Simple Acceptance decision rule as per ILAC G8:09. Lime requirements assume a medium textured soil.

Additional technical bulletins are available at www.lancrop.com

Please Note

Whilst every care is taken to ensure that the Results from Analysis are as accurate as possible, it is important to note that the analysis relates to the sample received by the laboratory, and is representative only of that sample. No warranty is given by the laboratory that the Results from Analysis relates to any part of a field or growing area not covered by the sample received. It is important to ensure that any soil, leaf, silage or fruitlet sample sent for analysis is representative of the area requiring analysis and that samples are obtained in accordance with established sampling techniques. A leaflet containing instructions on how to take soil, leaf, herbage, silage and fruit samples for analysis is available from the laboratory on request. Uncertainty measurements of results are available on request.

This report has been generated by Yara's Megalab TM software.

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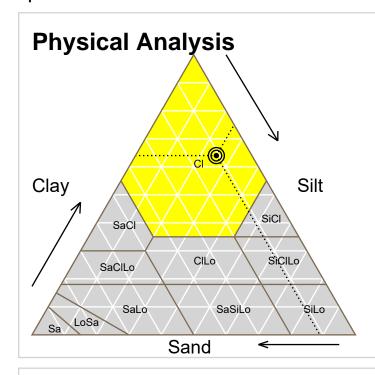
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Analysis	Result (%)
Sand	11.00
Silt	25.00
Clay	64.00
Soil Type	CI
	Clay

Property	Assessment
Available Water	Medium to Low
Drainage Rate	Slow (unless cracked)
Inherent Fertility	High
Potential C.E.C.	High
Leaching Risk	Low (unless cracked)
Warming Rate	Slow

Biological Analysis



Analysis	Result	Ideal
Solvita Burst CO2-C (ppm)	N/A	>70
Organic Carbon (%)	N/A	
Total Nitrogen (%)	N/A	
C:N Ratio	N/A	10-12
Calculated Parameters	Result	
Microbial Biomass (mg/kg)	N/A	
Solvita Potentially Mineralizable Nitrogen (kg N/ha)	N/A	
Soil Assessment Score	N/A/100	

pH impact on soil biology

Your Result

Increasing Acidity

Fungi thrive Bacterial activity declines Nutrient cycling drops

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Neutral

Desirable fungal and bacterial activity Good earthworm activity Nutrient cycling thrives

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Increasing Alkalinity

Fungal activiy declines Bacteria thrive Nutrient cycling drops

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