

## Analysis Results (SOIL)

**Customer** A FARMER  
THE FARM  
ABC 123

**Distributor** PRAG LTD  
MOUNTAIN FARM  
BROADWAY  
HAVERFORDWEST  
PEMBROKESHIRE  
SA62 3HU

**Sample Ref** EXAMPLE BSE

**Date Received** 04/10/2016 ( Date Issued: 25/11/2022 )

**Sample No** EXAMPLE BSE

**Crop** WHEAT

Analysis	Result	Guideline	Interpretation	Comments
pH	6.4	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.
Lime Req. (t/ha)	2.0			
Phosphorus (ppm)	17	16	Normal	<b>(Index 2.1)</b> 55 kg/ha P2O5 (44 units/acre). Winter crop, straw removed. Maintenance.
Potassium (ppm)	500	121	Very High	<b>(Index 4.5)</b> Possible interference with the availability of Magnesium.
Magnesium (ppm)	216	50	High	<b>(Index 4.5)</b> Possible interference with availability of Potassium.
Calcium (ppm)	5000	1600	Normal	Adequate level.
Sulphur (ppm)	8	15	Low	PRIORITY FOR TREATMENT.
Manganese (ppm)	53	40	Normal	Adequate level.
Copper (ppm)	4.1	4.1	Normal	Adequate level.
Boron (ppm)	2.50	1.60	Normal	No problem on this crop. Other crops may be affected.
Zinc (ppm)	2.1	4.1	Low	CONSIDER TREATMENT.
Molybdenum (ppm)	0.18	0.60	Very Low	Low priority on this crop. Other crops may be affected.
Iron (ppm)	525	50	Normal	Adequate level.
Sodium (ppm)	23	90	Very Low	Not a problem for this crop.
C.E.C. (meq/100g)	31.7	15.0	Normal	Cation Exchange Capacity indicates a soil with a good nutrient holding ability.
Org. Matter - DUMAS (%)	7.8	3.0	Normal	Good. Soils with medium to high levels of organic matter would generally be expected to have a good potential fertility and good structure, moisture retention and water infiltration. Ensure appropriate soil management practices are used to maintain organic matter levels.

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<b>Crop</b>	WHEAT		

### Additional Comments

Soil applied P and K recommendations are taken from AHDB Nutrient Management Guide (RB209) for an 8 t/ha winter wheat crop with straw removed.

### 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](http://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.

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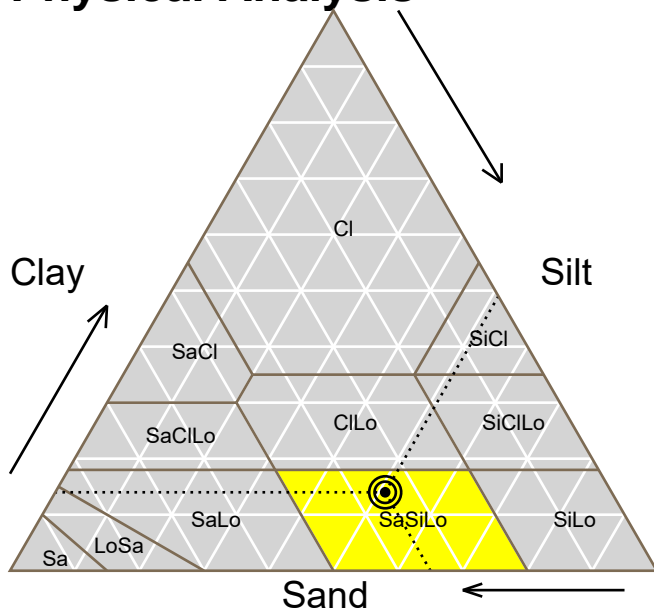
Released by **Chris Lindley**.....Laboratory Manager on behalf of Lancrop Laboratories

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### Physical Analysis



Analysis	Result (%)
Sand	35.00
Silt	51.00
Clay	14.00
Soil Type	SaSiLo Sandy Silt Loam

Property	Assessment
Available Water	Low to Medium
Drainage Rate	Rapid
Inherent Fertility	Low to Medium
Potential C.E.C.	Low to Medium
Leaching Risk	High to Moderate
Warming Rate	Rapid

### Biological Analysis



Analysis	Result	Ideal
Solvita Burst CO <sub>2</sub> -C (ppm)	N/A	>70
Organic Carbon (%)	4.5	
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

