

Agrii



Mr J Seed
Woodend Farming Partnership
Woodend
Duns
Berwickshire
TD11 3QW

Dear John,

Please find attached soil sample results from the Garden Park field area on the west side of the field next to the farmhouse and garden. As you can see from the results the field has an average nutrient status with some considerable deficiencies in Sulphur, Boron and Molybdenum which are all essential nutrients in plant growth and especially Nitrogen use and efficiency. This result highlights some of the reasons that this area of the field has always underperformed in yield and crop growth.

The soil structure in the sampled area is also very poor with a low level of clay particles and a significant amount of stones and some very large rocks. This is also indicated in the Cation Exchange Capacity (CEC) result from the sample which shows a result of 8.5 compared to the guideline of 15. This indicates the soil has a poorer ability of hold onto nutrients and make them available to any growing crop.

All the above factors mean that historically it is very hard to establish a crop in this area of the field which can be seen from the attached photos.

Many Thanks,

Greig Baird





Analysis Results (SOIL)

Customer	J SEED WOODEND FARM	Distributor	AGRII - GREIG BAIRD C/O CSC COLDSTREAM
Sample Ref	HOUSE	Date Received	22/03/2022 (Date Issued: 24/03/2022)
Sample No	E343273		
Crop	NON STATED		

Analysis	Result	Guideline	Interpretation	Comments
pH	6.6	6.5	Normal	Adequate level. Maintain pH to ensure optimum nutrient nutrient availability and ideal conditions for an active soil biology.
Phosphorus (ppm)	36	26	Normal	(Index 3.5)
Potassium (ppm)	128	241	Slightly Low	(Index 2.1)
Magnesium (ppm)	79	100	Slightly Low	(Index 2.6)
Calcium (ppm)	1172	1600	Low	
Sulphur (ppm)	2	10	Very Low	
Manganese (ppm)	78	50	Normal	
Copper (ppm)	3.8	2.1	Normal	
Boron (ppm)	0.93	2.10	Very Low	
Zinc (ppm)	4.3	4.1	Normal	
Molybdenum (ppm)	0.03	0.40	Very Low	
Iron (ppm)	1062	50	Normal	
Sodium (ppm)	27	90	Very Low	
C.E.C. (meq/100g)	8.5	15.0	Low	Cation Exchange Capacity indicates a low nutrient holding ability - soil applied nutrients will be readily leached. Where possible foliar applied nutrients should be recommended.

Additional Comments

Where applicable soil applied P,K and pH recommendations are taken from AHDB Nutrient Management Guide (RB209)

Any indicated Lime Requirement assumes 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.

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