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Please quote the above code for all enquiries

Client : DCWW PLAS BACH

Sample Matrix : Agricultural Soil

Laboratory Reference
Card Number 15320/22

Date Received 03-Nov-22
Date Reported 08-Nov-22

SOIL ANALYSIS REPORT

Laboratory Sample Reference	Field Details			Index			mg/l (Available)		
	No.	Name or O.S. Reference with Cropping Details	Soil pH	P	K	Mg	P	K	Mg
66579/22	1	**DCWW PLAS B SJC1** *No cropping details given*	**6.4**	**2**	**3**	**4**	**25.0**	**265**	**178**
66580/22	2	**DCWW PLAS B SJC2** *No cropping details given*	**5.8**	**2**	**4**	**3**	**22.0**	**487**	**120**
66581/22	3	**DCWW PLAS B SJC3** *No cropping details given*	**6.0**	**3**	**4**	**3**	**28.8**	**446**	**127**
66582/22	4	**DCWW PLAS B SJC4** *No cropping details given*	**6.0**	**1**	**1**	**3**	**12.6**	**106**	**140**
66583/22	5	**DCWW PLAS B SJC5** *No cropping details given*	**5.9**	**0**	**1**	**3**	**9.2**	**105**	**152**
66584/22	6	**DCWW PLAS B SJC6** *No cropping details given*	**6.1**	**3**	**2-**	**3**	**30.2**	**142**	**149**

If general fertiliser and lime recommendations have been requested, these are given on the following sheets.
The analytical methods used are as described in DEFRA Reference Book 427
The index values are determined from the AHDB Fertiliser Recommendations RB209 9th Edition.

Released by *Sandy Cameron* On behalf of NRM Date *08/11/22*

DATE 8th November 2022
SAMPLES FROM DCWW PLAS BACH

SAMPLED BY

Report reference 15320/22

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Fertiliser Recommendations

The phosphate and potash recommendations shown below, are those required to replace the offtake and maintain target soil indices. The larger recommended applications for soils below target index will allow the soil to build up to this target index over a number of years. Not applying fertiliser to soils which are above target index will allow the soil to run down over a number of years to the target index.
The recommendation should be increased or decreased where yields are substantially more or less than that specified. The amount to apply can be calculated using the expected yield and values for the offtake of phosphate and potash per tonne of yield given in the RB209 9th edition.
All recommendations are given for the mid-point of each Index.
Where a soil analysis value (as given by the laboratory) is close to the range of an adjacent Index, the recommendation may be reduced or increased slightly taking account of the recommendation given for the adjacent Index. Small adjustments of less than 10 kg/ha are generally not justified.
Efficient use of P and K is most likely to be achieved on soils that are well structured and enable good rooting.
For visual evaluation of soil structure (VESS), a score on 1 or 2 would be considered adequate.
Don't forget to deduct nutrients applied as organic manures.
For Nitrogen recommendations please refer to the RB209 9th edition or seek advice from an FACTS qualified adviser.
Target Indices:
Arable, Forage, Grassland and Potato Crops: P Index 2, K Index 2-
(In rotations where most crops are Autumn-sown, soils are in good condition and P is applied annually, high index 1 can be an adequate target.)
Vegetables and Bulbs: P Index 3, K Index 2+
(If vegetables are only grown occasionally as part of an arable rotation, it would be most economic to target index 2 for arable and forage crops.)
Fruit Vines and Hops: P Index 2, K Index 2, Mg Index 2
(Note: Cider apples respond to K Index 3, Mg Index 3)
A lime recommendation is usually for a 20cm depth of cultivated soil or a 15cm depth of grassland soil. Where soil is acid below 20 cm and soils are ploughed for arable crops, a proportionately larger quantity of lime should be applied. However, if more than 10 t/ha is needed, half should be deeply cultivated into the soil and ploughed down, with the remainder applied to the surface and worked in.
For established grassland or other situations where there is no, or only minimal soil cultivation, no more than 7.5 t/ha of lime should be applied in one application.
In these situations, applications of lime change the pH below the surface very slowly. Consequently, the underlying soil should not be allowed to become too acidic because this will affect the root growth and thus limit nutrient and water uptake, which will adversely affect yield.

Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
DCWW PLAS B SJC1	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **0.8**	**0**
066579 /		*Kg/Ha*				*Te/Ha* **2.1**	**0**
Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
DCWW PLAS B SJC2	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **2.5**	**0.8**
066580 /		*Kg/Ha*				*Te/Ha* **6.3**	**2.1**
Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
DCWW PLAS B SJC3	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **2.0**	**0**
066581 /		*Kg/Ha*				*Te/Ha* **4.9**	**0**
Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
DCWW PLAS B SJC4	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **2.0**	**0**
066582 /		*Kg/Ha*				*Te/Ha* **4.9**	**0**
Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
DCWW PLAS B SJC5	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **2.3**	**0.6**
066583 /		*Kg/Ha*				*Te/Ha* **5.6**	**1.6**

Fertiliser recommendations are based on **AHDB RB209 (Ninth Edition).** If a nutrient is deficient and no recommendation is given, either no recommendation is given in RB209 or we have insufficient data to give a recommendation. Apply Lime to the nearest half Ton / Tonne.
NRM is a UKAS accredited laboratory to ISO/IEC 17025

Report continued.....

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Fertiliser Recommendations

Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
DCWW PLAS B SJC6	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **1.7**	**0**
066584 /		*Kg/Ha*				*Te/Ha* **4.2**	**0**

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