

## Additional Parcels to be treated

4h Table 3 (continuation)

	Field Name/number/ reference	Grid Reference- centre of field (12 digit)	Waste types to be spread/used (List of waste code)	Size (hectares)
11	9466	SO 00936 27667	02 03 01	1.44
12	9060	SO 00901 27604	02 03 01	0.47
13	8459	SO 00837 27594	02 03 01	0.58
14	7694	SO 00782 27659	02 03 01	2.57
15	6856	SO 00674 27566	02 03 01	1.28
16	5560	SO 00549 27582	02 03 01	1.98
17	8176	SN 99824 28779	02 03 01	3.9

F2

Andrew Matthews is the owner & occupier of;

Cow Field 8176

Remaining Fields are occupied by;

Andrew Davies

Owner of business:

A Davies

Garngaled Farm

Llanspyddid

Brecon

Powys

LD3 8PE

Telephone: 01874610595

Calculation of Element to Oxide for N, P & K

\*See October 2019 analysis report & RB209 (Section 2, Organic Matter) for values\*

Liquid Waste (02 03 01)

Total Solids = 15300mg/l

Application Rate (in meters cubed) = 25m<sup>3</sup>/ha

Phosphate

Total Phosphate = 0.32 kg P<sub>2</sub>O<sub>5</sub>/m<sup>3</sup>

0.32 x 25 (spreading rate) = 8 kg/ha P<sub>2</sub>O<sub>5</sub>

Potassium Oxide

Total Potassium Oxide = 0.23 kg K<sub>2</sub>O/m<sup>3</sup>

0.23 x 25 (spreading rate) = 11 kg/ha K<sub>2</sub>O

Sulphate

Total Sulphate = 0.22 kg SO<sub>3</sub>/m<sup>3</sup>

0.22 x 25 (spreading rate) = 5.5 kg/ha SO<sub>3</sub>

Nitrogen additions (not oxide)

Nitrogen, Kjeldhal 1 kg/m<sup>3</sup>

1 x 25 (spreading rate) = 25 kg/ha N

Fields with index 4 for phosphates are; 1079

Fields with index 3 for phosphates are; 9408, 4984, 4470, 3478, 2368, 9977, 9466, 9060, 8459, 7694, 6856, 5560

Fields with index 2 for phosphates are; 9995, 7785, 8176

Fields with index 1 for phosphates are; 0865,

6856, 5560, 4470, 3478, 2368, 0865, 1079, 9977, 9466, 9060, 8459, 7694 are grass fields, usually cut once or twice for silage.

Using RB209, page 10 of Grassland & Forage, the offtake for silage at a 25% DM is 1.7kg of phosphate per tonne of fresh material.

Using table 3.3, page 10 of RB209, the expected yield of this silage is 23 tonnes per hectare of fresh material.

Phosphate offtake for silage (one cut), is  $23 \times 1.7 = 39.1\text{kg/tonne}$  of phosphate.

The addition of phosphate from the waste is 4kg/ha (OXIDE), so the additions will NOT exceed the offtake of phosphate.

Fields 9408, 9995, 7785, 4984, 8176 are grazed grass fields.

Using RB209, page 10 of Grassland & Forage, the offtake for fresh grass at 15-20% DM is 1.4kg of phosphate per tonne of fresh material.

RB209 does not give the offtake of phosphate when the grass is grazed by sheep. We estimate the offtake to be half of what the offtake is when cutting the grass for silage.

Therefore, at a removal rate/yield of 12 tonnes per hectare of fresh material the offtake is:

$12 \times 1.4 = 16.8\text{kg/tonne}$  of phosphate.

The addition of phosphate from the waste is 4kg/ha (OXIDE), so the additions of phosphate will again NOT exceed the crop offtake.

**From:** Admin - Environmental Leadership <[admin@envirolead.co.uk](mailto:admin@envirolead.co.uk)>  
**Sent:** 28 January 2020 11:02  
**To:** Paul Davies <[Paul.Davies@beaconfoods.co.uk](mailto:Paul.Davies@beaconfoods.co.uk)>  
**Subject:** WAMITAB Registration

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Hi Paul,

Just to let you know, you are now registered with WAMITAB for your MROC10a qualification and your number is **112953**. You will have 2 years to complete your qualification but you can pay a fee to extend this if you haven't completed within this timescale. Your assessor will be Clare Walters, her contact details are [clare@cerienviromental.co.uk](mailto:clare@cerienviromental.co.uk) Mobile. 07751 112118 and she will be in touch to arrange an initial visit. In the meantime, please find attached a useful document relating to your portfolio & the handbook for your qualification.

I have been unable to register you with the Learner Records Service due to problems with their website but I will register you once it is back up & running properly.

Regards,

*Lyndsay*

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