AGRICULTURAL BENEFIT CERTIFICATE

Client: **A D Thomas, Thomas Contractors, Gwyns Barn, Leighton, Welshpool, SY21 8LL**

Report No: **ADT 27-26**

Site: **Little Bank House Farm**

Soil analysis (Appendix 1) and SNS status for the fields show that N, P and K index levels require further nutrient to give a yield response. As shown in the attached waste analysis (Appendix 2) and the details following, these wastes provide N, P and K and some other nutrients. Crop requirement has been determined using RB209.

Background

This land is run on an arable/grass rotation as part of a mixed farming enterprise. These Fields have had waste applied in the last 12 months to the benefit of the previous crops.

Benefits

The following wastes each confer an agricultural benefit in their own right and if applied to the proposed land would benefit the crops and reduce the need to apply inorganic fertilisers. An average availability for 'N' of 25% has been used in the knowledge that this will vary according to timing and conditions prevailing.

P indices

P indices on this land are 1. Any P application additional to crop requirement will build soil indecis towards target and will reduce the need for Phosphate fertiliser in future years. Applications have been assessed against offtake of 65g/ha in 38t/ha of Grass silage, 70kg/ha in 50t/ha forage maize and 57kg/ha in 6.5t/ha Spring Barley.

This waste will be injected or band spread between crops/grazings using a Joshing tanker. Applications will not exceed application limits. This will mimimise odour release by placing the waste into the soil or below the crop canopy. Applications will be from April to June on arable crops and through to August/September on the grass crop.

The total area for the site is :- 42.93 Hectares

Signed:  Date: 31st March 2026

Paul Hodson. Agronomist
12 Years relevant experience
FACTS Qualified FE/861

Protection of the Environment

Site: **Little Bank House Farm**

Date: 31st March 2026

Weather conditions will be assessed prior to application. There will be no noise issues related to this activity, as the only plant running will be a delivery lorry and tractor. The analysis shows that there are no harmful elements present in the waste in quantities that would detriment the soil structure or chemical properties. The activity will not cause any adverse affect to the countryside.

All waste will be applied in accordance with risk assessements as detailed for the site and in accordance with The Codes of Good Agriculture practice for the Protection of Soil, Air and Water.

Having studied all the attached supporting information I can confirm that:

- The sampling and analysis is appropriate for the wastes concerned, and is less than 12 months old at the time of application. (Ref: Laboratory Guidance)
- The results of the analysis indicate that there are no significant potentially harmful substances or characteristics of the waste that would cause significant pollution to the environment.
- The sampling and analysis is appropriate for the soil concerned and is less than 4 years old. (Ref: ADAS SOIL SAMPLING METHOLOGY)
- The soils are deficient in the nutrients required by the proposed cropping.
- The waste will provide the nutrients or improvement to the soil structure as claimed, at the rate that has been applied for and for the planned crops.
- The activity will be carried out without harm to the environment or human health by reference to the pollution risk assessment.

We are satisfied that based on the information supplied by A D Thomas. and a detailed assessement that the above is true and accurate to the best of our knowledge.

Signed:  Date: 31st March 2026

Paul Hodson. Agronomist
12 Years relevant experience
FACTS Qualified FE/861

Redwing Landbase Ltd
Parton House Gardens, Parton
Castle Douglas, DG7 3NB

Certificate of Agriculture Benefit

Date: 31st March 2026

Report No: ADT 27-26

Reference: Little Bank House Farm

Source: Soil Analysis, Cropping Plans, RB209

Description: **SUMMARY OF SOILS, CROPPING AND NUTRIENT REQUIREMENT**

Field Details

WASTE CONTRIBUTION TO CROP FERTILISER NEEDS

FIELD	SOIL TYPE	Grid Ref.		N	P_2O_5	K_20	MgO
LBHF 2	ZL	SO 26786 91958	Index/SNS	Moderate	1	2-	3
Area (ha)	11.33	**pH**	5.8				
	2 cut Silage/grazing						
Crop Requirements Kg/ha (RB209)				205	95	230	0
LBHF 3	ZL	SO 26778 91790	Index/SNS	Moderate	1	2-	3
Area (ha)	2.83	**pH**	5.8				
	2 cut Silage/grazing						
Crop Requirements Kg/ha (RB209)				205	95	230	0
LBHF 4	SZL	SO 26908 91754	Index/SNS	Moderate	1	2-	3
Area (ha)	1.68	**pH**	5.6				
	2 cut Silage/grazing						
Crop Requirements Kg/ha (RB209)				205	95	230	0
LBHF 6	SZL	SO 25810 90967	Index/SNS	1	1	2-	3
Area (ha)	3.64	**pH**	5.6				
	2 cut Silage/grazing into Maize						
Crop Requirements Kg/ha (RB209)				100	85	175	0
LBHF 7	SZL	SO 27166 91555	Index/SNS	Moderate	1	1	3
Area (ha)	2.02	**pH**	5.8				
	2 cut Silage/grazing						
Crop Requirements Kg/ha (RB209)				205	95	270	0
LBHF 11	SZL	SO 27147 91353	Index/SNS	1	1	2-	3
Area (ha)	2.83	**pH**	5.5				
	2 cut Silage/grazing into Spring Barley						
Crop Requirements Kg/ha (RB209)				140	75	65	0
LBHF 12	ZL	SO 27272 91279	Index/SNS	Moderate	1	2-	3
Area (ha)	3.23	**pH**	5.4				
	2 cut Silage/grazing						
Crop Requirements Kg/ha (RB209)				205	65	230	0
LBHF 13	SZL	SO 24976 90857	Index/SNS	Moderate	1	2-	3
Area (ha)	2.83	**pH**	5.8				
	2 cut Silage/grazing						
Crop Requirements Kg/ha (RB209)				205	65	230	0
LBHF 14	SZL	SO 24722 90649	Index/SNS	1	1	2-	3
Area (ha)	3.64	**pH**	5.8				
	Spring Barley into Spring Barley						
Crop Requirements Kg/ha (RB209)				140	75	65	0

WASTE CONTRIBUTION TO CROP FERTILISER NEEDS

FIELD	SOIL TYPE	Grid Ref.		N	P_2O_5	K_20	MgO
LBHF 16	SZL	SO 24436 90619	Index/SNS	Moderate	1	2-	3
Area (ha)	3.64	**pH**	5.8				
	2 cut Silage/grazing						
Crop Requirements Kg/ha (RB209)				205	65	230	0
LBHF 17	SZL	SO 24179 90576	Index/SNS	Moderate	1	2-	3
Area (ha)	5.26	**pH**	6.2				
	2 cut Silage/grazing						
Crop Requirements Kg/ha (RB209)				205	65	230	0

L = Loam S = Sand Z = Silt C = Clay

Date: 31st March 2026

Report No: 88085 / 165112

Ref/Waste: Sidoli Apr25b

Source: D Sidoli

Description: Effluent

WASTE	Sidoli Apr25b		**N**	**P_2O_5**	**K_20**	**MgO**
Application Rate t/ha		150				
TOTAL NUTRIENTS APPLIED			180	150	100	39
% Available to following crop			25	50	90	50
NUTRIENT BENEFIT TO CROPS			45	75	90	20
Balance of fertiliser required						
FIELD	LBHF 2		160	20	140	0
	LBHF 3		160	20	140	0
	LBHF 4		160	92	140	0
	LBHF 6		55	82	85	0
	LBHF 7		160	20	180	0
	LBHF 11		95	0	0	0
	LBHF 16		160	82	140	0
	LBHF 17		160	82	140	0

This Waste is a useful source of Nutrient. The waste does not contain significant levels of pte's or other harmful agents.

We consider that when applied to agricultural land in accordance with crop and soil requirement as above, and subject to compliance with the requirements of the Environment Permitting Regulations and COGAP guidance; this material will result in benefit to agriculture.

Report by:-

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Paul Hodson M.Sc. MBIAC
Redwing Landbase Ltd.
FACTS No. FE/861

Date: 31st March 2026

Report No: 88085 / 165113

Ref/Waste: Muller Apr25

Source: Muller

Description: Effluent

WASTE	Muller Apr25		**N**	***P_2O_5**	**K_20**	**MgO**
Application Rate t/ha		147				
TOTAL NUTRIENTS APPLIED			250	131	56	19
% Available to following crop			25	50	90	50
NUTRIENT BENEFIT TO CROPS			62	66	51	10
Balance of fertiliser required						
FIELD	LBHF 2		143	29	179	0
	LBHF 3		143	29	179	0
	LBHF 4		143	90	179	0
	LBHF 6		38	80	124	0
	LBHF 7		143	29	219	0
	LBHF 11		78	9	14	0
	LBHF 16		143	80	179	0
	LBHF 17		143	80	179	0

This Waste is a useful source of Nutrient. The waste does not contain significant levels of pte's or other harmful agents.

We consider that when applied to agricultural land in accordance with crop and soil requirement as above, and subject to compliance with the requirements of the Environment Permitting Regulations and COGAP guidance; this material will result in benefit to agriculture.

Report by:-

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Paul Hodson M.Sc. MBIAC
Redwing Landbase Ltd.
FACTS No. FE/861