

## Analysis Results (SOIL)

**Customer** A MATHEWS  
ABERBRAN FAWR  
ABERBRAN  
BRECON

**Distributor** WYNNSTAY - BRYN HUGHES  
PENTWYN FARM  
LITTLE MILL  
PONTYPOOL  
GWENT  
NP4 0HQ

**Sample Ref** L SHAPED FIELD

**Date Received** 01/11/2016

**Sample No** E197830/01

**Crop** OATS

Analysis	Result	Guideline	Interpretation	Comments
pH	6.0	6.0	Normal	Adequate level.
Phosphorus (ppm)	28	16	High	(Index 3) Adequate. Use soil analysis every 3-5 years to ensure level is maintained.
Potassium (ppm)	124	121	Normal	(Index 2-) 105 kg/ha K <sub>2</sub> O (84 units/acre) assuming straw removed.
<u>Magnesium (ppm)</u>	121	50	Normal	(Index 3) Adequate level.

### Additional Comments

The analyses and interpretation for P & K has been carried out using according to MAFF RB209. The fertiliser requirements are based on crop with straw removed yielding 6 t/ha. PLEASE NOTE: The recommendations can be adjusted if yields are larger or smaller, or if manure/slurry applications are used. See RB209 for more information. Check the soil is maintained at Index 2 by soil sampling every 3-5 years.

Additional technical bulletins are available at [www.lancrop.com](http://www.lancrop.com)

### Please Note

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR ABERBRAN BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	ISOLATION UNIT <del>TOP OF LANE ABERDEEN</del>	<b>Date Received</b>	01/11/2016
<b>Sample No</b>	E197830/02		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	5.4	6.0	Low	Refer to Lime Requirement.
Phosphorus (ppm)	23	16	Normal	(Index 2) 20 kg/ha P <sub>2</sub> O <sub>5</sub> (16 units/acre). Maintenance.
Potassium (ppm)	103	121	Low	(Index 1) 30 kg/ha K <sub>2</sub> O (24 units/acre). Avoid applications in Spring if there is a history of Hypomagnesaemia.
Magnesium (ppm)	109	51	High	(Index 3) Adequate level.
Lime Req. (t/ha)	4.0			

### Additional Comments

The recommendations should be adjusted if organic manures are used. See RB209 for more information.  
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BRECON

**Distributor** WYNNSTAY - BRYN HUGHES  
PENTWYN FARM  
LITTLE MILL  
PONTYPOOL  
GWENT  
NP4 0HQ

**Sample Ref** RESERVOIR FIELD

**Date Received** 01/11/2016

**Sample No** E197830/03

**Crop** GRAZED GRASS (CATTLE)

Analysis	Result	Guideline	Interpretation	Comments
pH	6.3	6.0	Normal	Adequate level.
Phosphorus (ppm)	31	16	High	(Index 3) Adequate level.
Potassium (ppm)	134	121	Normal	(Index 2-) Adequate level for grazing system.
Magnesium (ppm)	86	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

### Additional Comments

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## Analysis Results (SOIL)

**Customer** A MATHEWS  
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ABERBRAN  
BRECON

**Distributor** WYNNSTAY - BRYN HUGHES  
PENTWYN FARM  
LITTLE MILL  
PONTYPOOL  
GWENT  
NP4 0HQ

**Sample Ref** BRICK FIELD 1211

**Date Received** 01/11/2016

**Sample No** E197830/04

**Crop** WHEAT

Analysis	Result	Guideline	Interpretation	Comments
pH	6.4	6.5	Slightly Low	Refer to Lime Requirement.
Phosphorus (ppm)	39	16	High	(Index 3) Adequate. Use soil analysis every 3-5 years to ensure level is maintained.
Potassium (ppm)	71	121	Low	(Index 1) 115 kg/ha K <sub>2</sub> O (92 units/acre). Winter crop, straw removed.
<u>Magnesium (ppm)</u>	92	50	Normal	(Index 2) Adequate level.
Lime Req. (t/ha)	3.0			

### Additional Comments

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	1 (1515)	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/01		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	6.6	6.0	Normal	Adequate level.
Phosphorus (ppm)	33	16	High	(Index 3) Adequate level.
Potassium (ppm)	181	121	Normal	(Index 2+) Adequate level for grazing system.
Magnesium (ppm)	66	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

### Additional Comments

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Date Printed : 10/08/2015

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	2 (9408)	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/02		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	6.4	6.0	Normal	Adequate level.
Phosphorus (ppm)	17	16	Normal	(Index 2) 20 kg/ha P <sub>2</sub> O <sub>5</sub> (16 units/acre). Maintenance.
Potassium (ppm)	146	121	Normal	(Index 2-) Adequate level for grazing system.
Magnesium (ppm)	80	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

### Additional Comments

The recommendations should be adjusted if organic manures are used. See RB209 for more information.  
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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	3 (9995)	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/03		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	6.4	6.0	Normal	Adequate level.
Phosphorus (ppm)	29	16	High	(Index 3) Adequate level.
Potassium (ppm)	216	121	Normal	(Index 2+) Adequate level for grazing system.
Magnesium (ppm)	80	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

### Additional Comments

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	4 (7785)	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/04		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	6.3	6.0	Normal	Adequate level.
Phosphorus (ppm)	25	16	Normal	(Index 2) 20 kg/ha P <sub>2</sub> O <sub>5</sub> (16 units/acre). Maintenance.
Potassium (ppm)	139	121	Normal	(Index 2-) Adequate level for grazing system.
Magnesium (ppm)	79	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

### Additional Comments

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## Analysis Results (SOIL)

**Customer** A MATHEWS  
 ABERBRAN  
 FAWR FARM  
 ABERYSCIR  
 BRECON  
**Distributor** WYNNSTAY - BRYN HUGHES  
 PENTWYN FARM  
 LITTLE MILL  
 PONTYPOOL  
 GWENT  
 NP4 0HQ  
**Sample Ref** 5 (4984)  
**Sample No** E161613/05  
**Date Received** 06/08/2015  
**Crop** GRAZED GRASS (CATTLE)

Analysis	Result	Guideline	Interpretation	Comments
pH	6.3	6.0	Normal	Adequate level.
Phosphorus (ppm)	30	16	High	(Index 3) Adequate level.
Potassium (ppm)	152	121	Normal	(Index 2-) Adequate level for grazing system.
Magnesium (ppm)	67	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	6 (3478)	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/06		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	5.5	6.0	Slightly Low	Refer to Lime Requirement.
Phosphorus (ppm)	34	16	High	(Index 3) Adequate level.
Potassium (ppm)	78	121	Low	(Index 1) 30 kg/ha K <sub>2</sub> O (24 units/acre). Avoid applications in Spring if there is a history of Hypomagnesaemia.
Magnesium (ppm)	91	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.
Lime Req. (t/ha)	4.0			

### Additional Comments

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	7 (4470)	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/07		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	5.5	6.0	Slightly Low	Refer to Lime Requirement.
Phosphorus (ppm)	43	16	High	(Index 3) Adequate level.
Potassium (ppm)	86	121	Low	(Index 1) 30 kg/ha K <sub>2</sub> O (24 units/acre). Avoid applications in Spring if there is a history of Hypomagnesaemia.
Magnesium (ppm)	96	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.
Lime Req. (t/ha)	4.0			

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	8	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/08		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	6.4	6.0	Normal	Adequate level.
Phosphorus (ppm)	49	16	Very High	(Index 4) Possible interference with availability of Cu,Zn,Fe,K.
Potassium (ppm)	90	121	Low	(Index 1) 30 kg/ha K <sub>2</sub> O (24 units/acre). Avoid applications in Spring if there is a history of Hypomagnesaemia.
Magnesium (ppm)	96	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

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**Analysis Results (SOIL)**

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	9 (0865)	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/09		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	5.9	6.0	Slightly Low	Refer to Lime Requirement.
Phosphorus (ppm)	42	16	High	(Index 3) Adequate level.
Potassium (ppm)	57	121	Very Low	(Index 0) 60 kg/ha K <sub>2</sub> O (48 units/acre). Avoid applications in Spring if there is a history of Hypomagnesaemia.
Magnesium (ppm)	65	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.
Lime Req. (t/ha)	2.0			

**Additional Comments**

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**Analysis Results (SOIL)**

**Customer** DAVIES  
 GARN GALED  
 BRECON

**Distributor** WYNNSTAY - BRYN HUGHES  
 PENTWYN FARM  
 LITTLE MILL  
 PONTYPOOL  
 GWENT  
 NP4 0HQ

**Sample Ref** HOLLY BUSH (9466)  
**Sample No** E091743/01  
**Crop** GRASS (CATTLE)

**Date Received** 28/03/2014

Analysis	Result	Guideline	Interpretation	Comments
pH	6.7	6.0	Normal	Adequate level.
Phosphorus (ppm)	51	16	High	(Index 4) Possible interference with availability of Cu,Zn,Fe,K.
Potassium (ppm)	168	181	Slightly Low	(Index 2-) Adequate level for grazing system.
Calcium (ppm)	2135	2000	Normal	Adequate level.
Magnesium (ppm)	115	51	Normal	(Index 3) Adequate level.

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## Garn Galeed Analysis Results (SOIL)

**Customer** DAVIES  
GARN GALED  
BRECON

**Distributor** WYNNSTAY - BRYN HUGHES  
PENTWYN FARM  
LITTLE MILL  
PONTYPOOL  
GWENT  
NP4 0HQ

**Sample Ref** FIELD ABOVE HOUSE (9060)

**Date Received** 28/03/2014

**Sample No** E091743/02

**Crop** GRASS (CATTLE)

Analysis	Result	Guideline	Interpretation	Comments
pH	6.4	6.0	Normal	Adequate level.
Phosphorus (ppm)	56	16	High	(Index 4) Possible interference with availability of Cu,Zn,Fe,K.
Potassium (ppm)	255	181	Normal	(Index 3) Adequate level for grazing system.
Calcium (ppm)	1439	2000	Low	Below optimum level. If ph low, and Mg adequate, consider using calcium liming material.
Magnesium (ppm)	120	51	Normal	(Index 3) Adequate level.

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