SOIL CHEMICAL ANALYSIS REPORT FOR FIELD - FIELD 3

MATTHEW CONOLLY
4R GROUP
12C NEWENT BUS PARK
GLOUCESTER STREET
NEWENT
GLOUCESTERSHIRE GL18 1DZ

V293

Please quote above code for all enquiries

JAMIE MAYO
COLES LAND

SOIL

Date Received	26-AUG-2025
Date Reported	01-SEP-2025

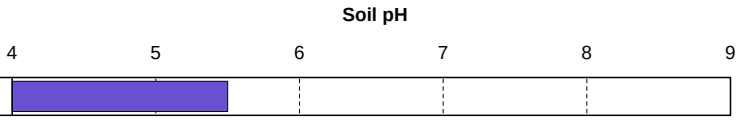
Laboratory References

Report Number	15576
Sample Number	762733

ANALYTICAL RESULTS *on 'dry matter' basis.*

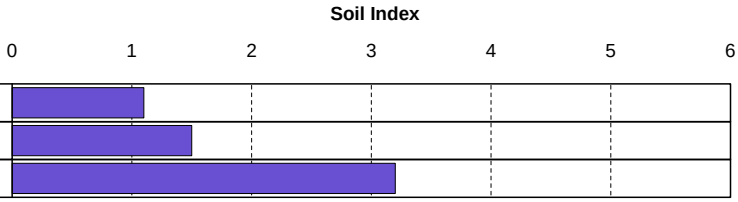
pH (1)

Determinand	Result
Soil pH	5.5



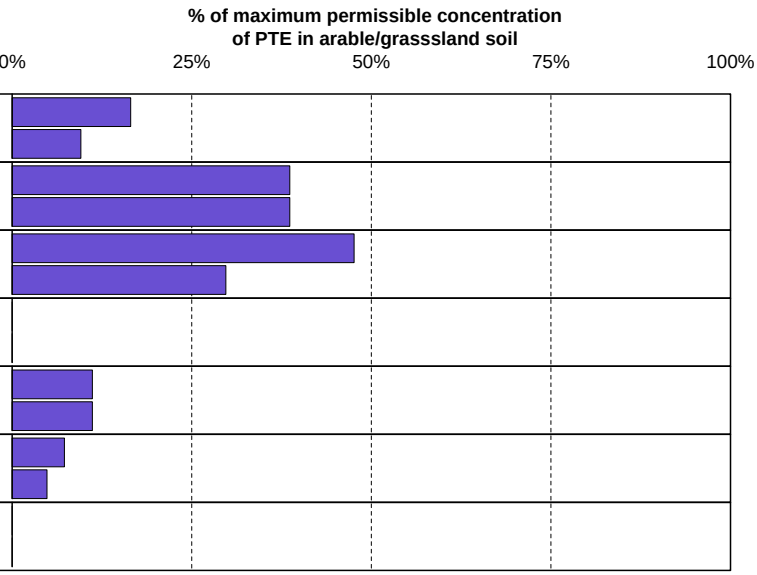
Soil Nutrients (1)

Determinand	Result mg/litre	Soil Index
Available Phosphorus	10.5	1
Available Potassium	94.3	1
Available Magnesium	118	3



Potentially Toxic Elements (2)

Determinand	Result mg/kg		Maximum mg/kg
Total Copper	13.2	Arable	80
		Grassland	138
Total Zinc	77.3	Arable	200
		Grassland	200
Total Nickel	23.8	Arable	50
		Grassland	80
Total Cadmium	<0.1	Arable	3
		Grassland	3
Total Lead	33.5	Arable	300
		Grassland	300
Total Chromium	29.1	Arable	400
		Grassland	600
Total Mercury	<0.2	Arable	1
		Grassland	1.5



(1) Recommendations for liming and fertiliser should be obtained from Defra's Fertiliser Manual (RB209). The analytical methods used are as described in Defra's RB427.

(2) Concentration of Potentially Toxic Elements (PTE, commonly referred to as 'heavy metals') are in mg/kg dry soil. The maximum and the percentage of this maximum permissible concentration of PTE in soil are derived from the values in Defra's Code of Practice for Agricultural Use of Sewage Sludge (England & Wales) 1996. If applying organic manures to this soil it is important to ensure the soil is managed with a pH no less than 5.0, and that the PTE maximum values are not exceeded following the application. For soil where the pH value is less than 5.2, a FACTS Qualified Adviser should be consulted. Further details are provided in the Sludge Code.

Released by Teresa Clyne Date 01/09/25

Independently Analysed by **NRM,** part of the **Cawood Group**, Coopers Bridge, Braziers Lane, Bracknell, Berkshire RG42 6NS
Tel +44 (0) 1344 886338 **Fax**: +44 (0) 1344 890972 **Email**: enquiries@nrm.uk.com **www**.nrm.uk.com

SOIL CHEMICAL ANALYSIS REPORT FOR FIELD - FIELD 4

MATTHEW CONOLLY
4R GROUP
12C NEWENT BUS PARK
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NEWENT
GLOUCESTERSHIRE GL18 1DZ

V293

Please quote above code for all enquiries

JAMIE MAYO
COLES LAND

SOIL

Date Received	26-AUG-2025
Date Reported	01-SEP-2025

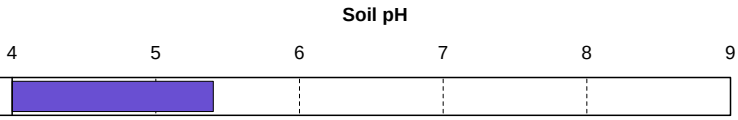
Laboratory References

Report Number	15576
Sample Number	762734

ANALYTICAL RESULTS *on 'dry matter' basis.*

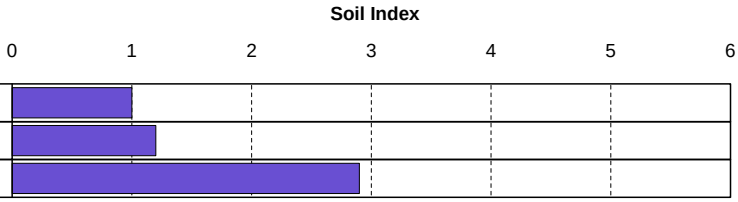
pH (1)

Determinand	Result
Soil pH	5.4



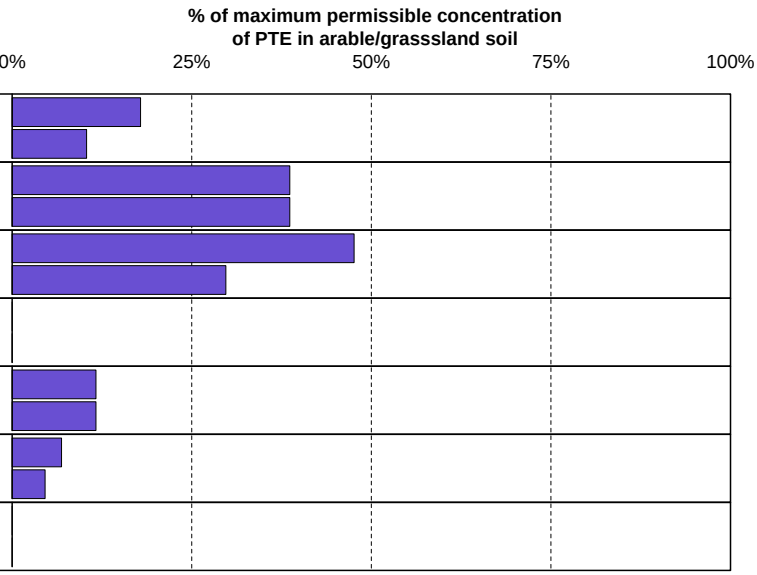
Soil Nutrients (1)

Determinand	Result mg/litre	Soil Index
Available Phosphorus	9.6	1
Available Potassium	75.3	1
Available Magnesium	99.8	2



Potentially Toxic Elements (2)

Determinand	Result mg/kg		Maximum mg/kg
Total Copper	14.3	Arable	80
		Grassland	138
Total Zinc	77.3	Arable	200
		Grassland	200
Total Nickel	23.8	Arable	50
		Grassland	80
Total Cadmium	<0.1	Arable	3
		Grassland	3
Total Lead	35.0	Arable	300
		Grassland	300
Total Chromium	27.5	Arable	400
		Grassland	600
Total Mercury	<0.2	Arable	1
		Grassland	1.5



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(2) Concentration of Potentially Toxic Elements (PTE, commonly referred to as 'heavy metals') are in mg/kg dry soil. The maximum and the percentage of this maximum permissible concentration of PTE in soil are derived from the values in Defra's Code of Practice for Agricultural Use of Sewage Sludge (England & Wales) 1996. If applying organic manures to this soil it is important to ensure the soil is managed with a pH no less than 5.0, and that the PTE maximum values are not exceeded following the application. For soil where the pH value is less than 5.2, a FACTS Qualified Adviser should be consulted. Further details are provided in the Sludge Code.

Released by *Teresa Clyne* Date *01/09/25*

Independently Analysed by **NRM,** part of the **Cawood Group**, Coopers Bridge, Braziers Lane, Bracknell, Berkshire RG42 6NS
Tel +44 (0) 1344 886338 **Fax**: +44 (0) 1344 890972 **Email**: enquiries@nrm.uk.com **www**.nrm.uk.com

Accreditation and method details

NRM is a UKAS-accredited testing laboratory (No 2334), accredited to BS EN ISO 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF communique dated April 2017). http://ilac.org/?ddownload=120917

NRM is accredited for particular determinands in specific matrices as set out in the laboratory's current UKAS schedule of accreditation https://www.ukas.com/wp-content/uploads/schedule_uploads/00002/2334Testing -Multiple.pdf

Accreditation applies to the following parameters in this report and is applicable to SOIL samples only. All other tests within this report are unaccredited.

Test	Analysis SOP	Method Description
Fluoride	JAS-487	Sulphuric acid extraction (1:10 ratio) and determination by ion selective electrode
Arsenic	JAS-510 / JAS-300	Aqua regia digest on hot block and determination by ICP-OES
Barium		
Beryllium		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Molybdenum		
Mercury		
Nickel		
Vanadium		
Zinc		
Selenium	JAS-510 / JAS-455	Aqua regia digest on hot block and determination by AFS

Analysis Notes

Analysis is carried out on the air-dried (<30°C) and ground sample.

The results as reported relate only to the item(s) submitted for testing.

The results are presented on a dry matter basis.

Indices are derived solely from the numerical value and test result without reference to measurement uncertainty.

Document Control

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We cannot offer interpretation or opinions for results.

Sampling information

BS ISO 18512:2007 (Soil quality – Guidance on long and short-term storage of soil samples) states that for pH the period of stability and therefore holding time for a wet or 'fresh' soil sample is one week from sampling. Other determinants in the fresh sample may be considered stable for up to a month. Once the sample has been dried the sample may then be considered stable for up to 3 years. No records are maintained by NRM on date sampled or date dried so all samples within this report are considered not to be meeting the requirements of this BS / ISO. Consequently, all pH results given are those of the as-received sample and may not reflect the pH value of the sample when taken.

END OF REPORT

SOIL CHEMICAL ANALYSIS REPORT FOR FIELD - FIELD 13

MATTHEW CONOLLY
4R GROUP
12C NEWENT BUS PARK
GLOUCESTER STREET
NEWENT
GLOUCESTERSHIRE GL18 1DZ

V293

Please quote above code for all enquiries

J MAYO
CASSANORA FARM
CAERLEON
NEWPORT
NP18 1LR
SOIL

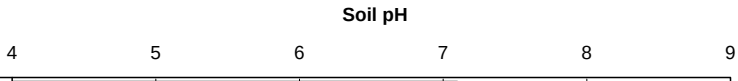
Date Received	28-MAR-2025
Date Reported	11-APR-2025

Laboratory References

Report Number	86821
Sample Number	744485

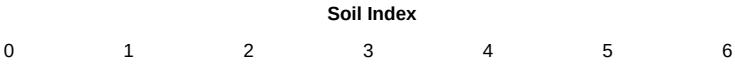
ANALYTICAL RESULTS *on 'dry matter' basis.*

pH (1)



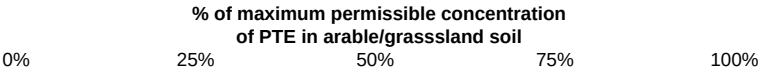
Determinand	Result
Soil pH	7.1

Soil Nutrients (1)



Determinand	Result mg/litre	Soil Index
Available Phosphorus	12.0	1
Available Potassium	95.1	1
Available Magnesium	92.6	2

Potentially Toxic Elements (2)



Determinand	Result mg/kg		Maximum mg/kg
Total Copper	17.5	Arable	200
		Grassland	330
Total Zinc	70.3	Arable	300
		Grassland	300
Total Nickel	29.8	Arable	110
		Grassland	180
Total Cadmium	<0.1	Arable	3
		Grassland	3
Total Lead	38.9	Arable	300
		Grassland	300
Total Chromium	35.3	Arable	400
		Grassland	600
Total Mercury	<0.2	Arable	1
		Grassland	1.5

(1) Recommendations for liming and fertiliser should be obtained from Defra's Fertiliser Manual (RB209). The analytical methods used are as described in Defra's RB427.

(2) Concentration of Potentially Toxic Elements (PTE, commonly referred to as 'heavy metals') are in mg/kg dry soil. The maximum and the percentage of this maximum permissible concentration of PTE in soil are derived from the values in Defra's Code of Practice for Agricultural Use of Sewage Sludge (England & Wales) 1996. If applying organic manures to this soil it is important to ensure the soil is managed with a pH no less than 5.0, and that the PTE maximum values are not exceeded following the application. For soil where the pH value is less than 5.2, a FACTS Qualified Adviser should be consulted. Further details are provided in the Sludge Code.

Released by *Teresa Clyne* Date *11/04/25*

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SOIL CHEMICAL ANALYSIS REPORT FOR FIELD - FIELD 13

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GLOUCESTERSHIRE GL18 1DZ

V293

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J MAYO
CASSANORA FARM
CAERLEON
NEWPORT
NP18 1LR
SOIL

Date Received	28-MAR-2025
Date Reported	11-APR-2025

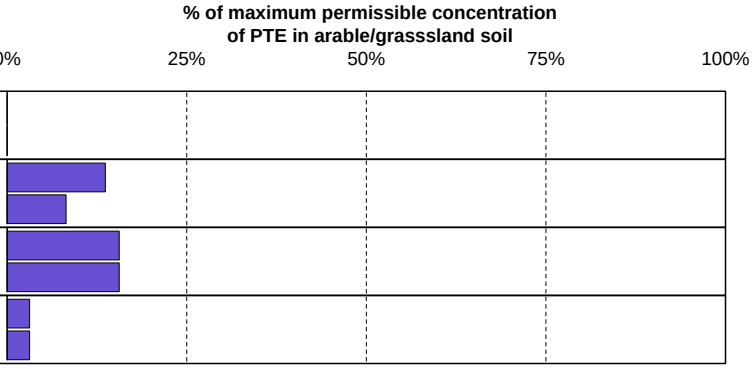
Laboratory References

Report Number	86821
Sample Number	744485

ANALYTICAL RESULTS *on 'dry matter' basis.*

Potentially Toxic Elements (2)

Determinand	Result mg/kg		Maximum mg/kg
Total Molybdenum	<1	Arable	4
		Grassland	4
Total Selenium	0.41	Arable	3
		Grassland	5
Total Arsenic	7.8	Arable	50
		Grassland	50
Fluoride	15.6	Arable	500
		Grassland	500



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Barium		
Beryllium		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Molybdenum		
Mercury		
Nickel		
Vanadium		
Zinc		
Selenium	JAS-510 / JAS-455	Aqua regia digest on hot block and determination by AFS

Analysis Notes

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The results as reported relate only to the item(s) submitted for testing.

The results are presented on a dry matter basis.

Indices are derived solely from the numerical value and test result without reference to measurement uncertainty.

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END OF REPORT

SOIL CHEMICAL ANALYSIS REPORT FOR FIELD - FIELD 1

MATTHEW CONOLLY
4R GROUP
12C NEWENT BUS PARK
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NEWENT
GLOUCESTERSHIRE GL18 1DZ

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J MAYO
CASSANDRA FARM
CAERLEON
NEWPORT
NP18 1LR
SOIL

Date Received	31-MAR-2025
Date Reported	10-APR-2025

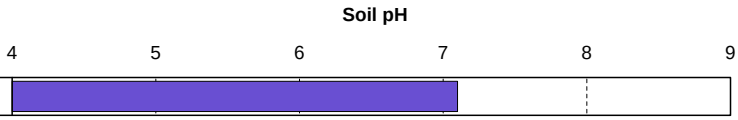
Laboratory References

Report Number	86881
Sample Number	744639

ANALYTICAL RESULTS *on 'dry matter' basis.*

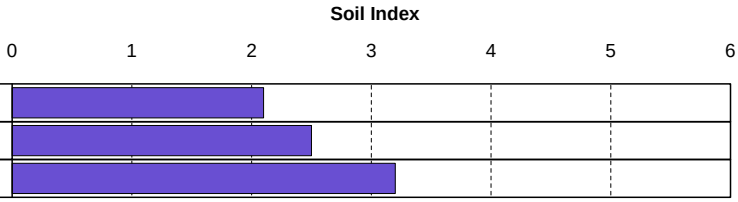
pH (1)

Determinand	Result
Soil pH	7.1



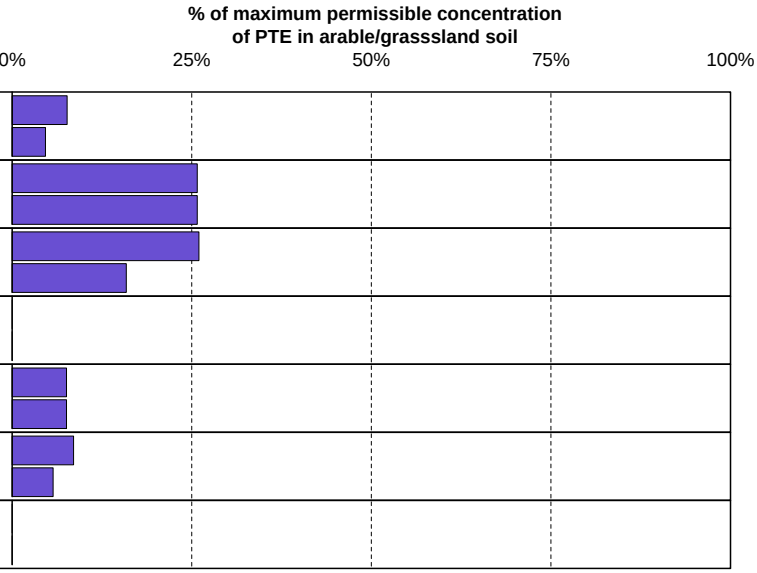
Soil Nutrients (1)

Determinand	Result mg/litre	Soil Index
Available Phosphorus	16.8	2
Available Potassium	191	2+
Available Magnesium	118	3



Potentially Toxic Elements (2)

Determinand	Result mg/kg		Maximum mg/kg
Total Copper	15.3	Arable	200
		Grassland	330
Total Zinc	77.3	Arable	300
		Grassland	300
Total Nickel	28.6	Arable	110
		Grassland	180
Total Cadmium	<0.1	Arable	3
		Grassland	3
Total Lead	22.7	Arable	300
		Grassland	300
Total Chromium	34.2	Arable	400
		Grassland	600
Total Mercury	<0.2	Arable	1
		Grassland	1.5



(1) Recommendations for liming and fertiliser should be obtained from Defra's Fertiliser Manual (RB209). The analytical methods used are as described in Defra's RB427.

(2) Concentration of Potentially Toxic Elements (PTE, commonly referred to as 'heavy metals') are in mg/kg dry soil. The maximum and the percentage of this maximum permissible concentration of PTE in soil are derived from the values in Defra's Code of Practice for Agricultural Use of Sewage Sludge (England & Wales) 1996. If applying organic manures to this soil it is important to ensure the soil is managed with a pH no less than 5.0, and that the PTE maximum values are not exceeded following the application. For soil where the pH value is less than 5.2, a FACTS Qualified Adviser should be consulted. Further details are provided in the Sludge Code.

Released by Teresa Clyne Date 10/04/25

SOIL CHEMICAL ANALYSIS REPORT FOR FIELD - FIELD 1

MATTHEW CONOLLY
4R GROUP
12C NEWENT BUS PARK
GLOUCESTER STREET
NEWENT
GLOUCESTERSHIRE GL18 1DZ

V293

Please quote above code for all enquiries

J MAYO
CASSANDRA FARM
CAERLEON
NEWPORT
NP18 1LR
SOIL

Date Received	31-MAR-2025
Date Reported	10-APR-2025

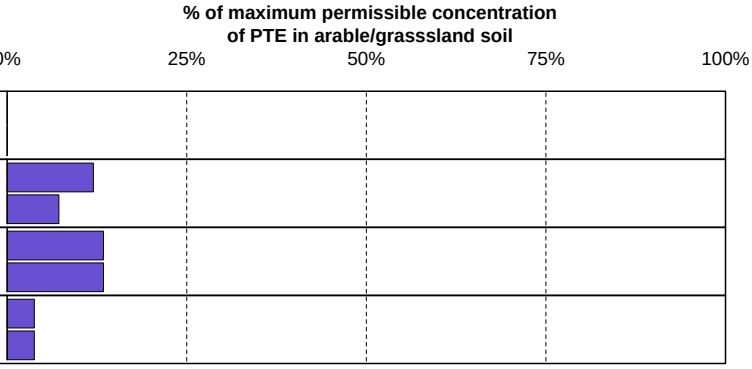
Laboratory References

Report Number	86881
Sample Number	744639

ANALYTICAL RESULTS *on 'dry matter' basis.*

Potentially Toxic Elements (2)

Determinand	Result mg/kg		Maximum mg/kg
Total Molybdenum	<1	Arable	4
		Grassland	4
Total Selenium	0.36	Arable	3
		Grassland	5
Total Arsenic	6.7	Arable	50
		Grassland	50
Fluoride	18.9	Arable	500
		Grassland	500



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(2) Concentration of Potentially Toxic Elements (PTE, commonly referred to as 'heavy metals') are in mg/kg dry soil. The maximum and the percentage of this maximum permissible concentration of PTE in soil are derived from the values in Defra's Code of Practice for Agricultural Use of Sewage Sludge (England & Wales) 1996. If applying organic manures to this soil it is important to ensure the soil is managed with a pH no less than 5.0, and that the PTE maximum values are not exceeded following the application. For soil where the pH value is less than 5.2, a FACTS Qualified Adviser should be consulted. Further details are provided in the Sludge Code.

Released by *Teresa Clyne* Date *10/04/25*

SOIL CHEMICAL ANALYSIS REPORT FOR FIELD - FIELD 5

MATTHEW CONOLLY
4R GROUP
12C NEWENT BUS PARK
GLOUCESTER STREET
NEWENT
GLOUCESTERSHIRE GL18 1DZ

V293

Please quote above code for all enquiries

J MAYO
CASSANDRA FARM
CAERLEON
NEWPORT
NP18 1LR
SOIL

Date Received	31-MAR-2025
Date Reported	10-APR-2025

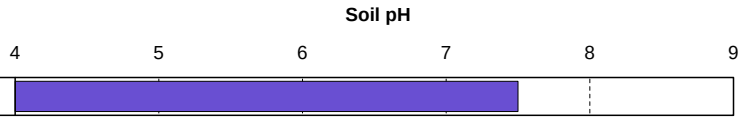
Laboratory References

Report Number	86881
Sample Number	744643

ANALYTICAL RESULTS *on 'dry matter' basis.*

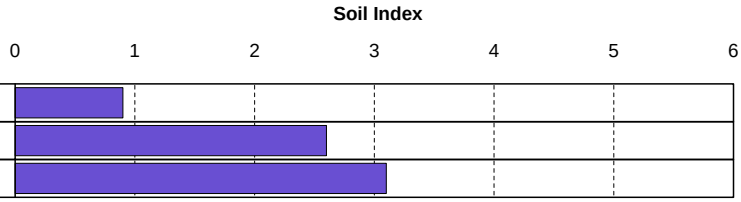
pH (1)

Determinand	Result
Soil pH	7.5



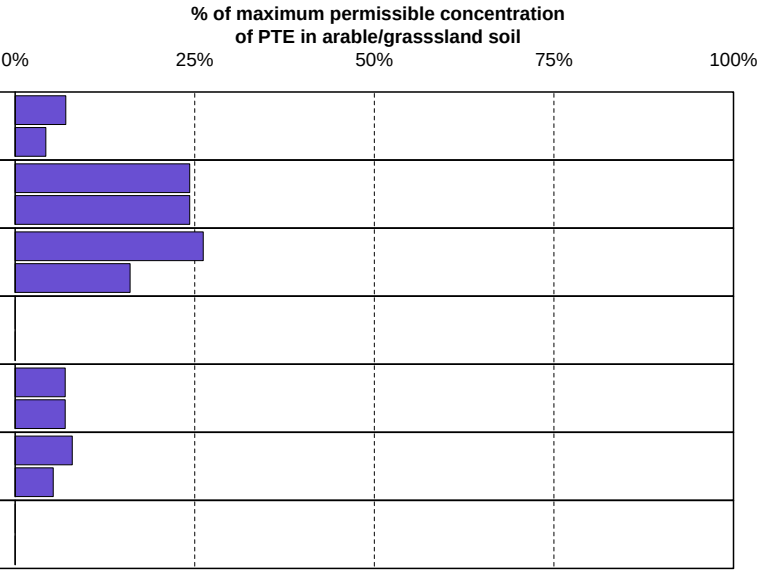
Soil Nutrients (1)

Determinand	Result mg/litre	Soil Index
Available Phosphorus	9.0	0
Available Potassium	193	2+
Available Magnesium	113	3



Potentially Toxic Elements (2)

Determinand	Result mg/kg		Maximum mg/kg
Total Copper	14.1	Arable	200
		Grassland	330
Total Zinc	72.9	Arable	300
		Grassland	300
Total Nickel	28.8	Arable	110
		Grassland	180
Total Cadmium	<0.1	Arable	3
		Grassland	3
Total Lead	20.9	Arable	300
		Grassland	300
Total Chromium	31.8	Arable	400
		Grassland	600
Total Mercury	<0.2	Arable	1
		Grassland	1.5



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Released by *Teresa Clyne* Date *10/04/25*

SOIL CHEMICAL ANALYSIS REPORT FOR FIELD - FIELD 5

MATTHEW CONOLLY
4R GROUP
12C NEWENT BUS PARK
GLOUCESTER STREET
NEWENT
GLOUCESTERSHIRE GL18 1DZ

V293

Please quote above code for all enquiries

J MAYO
CASSANDRA FARM
CAERLEON
NEWPORT
NP18 1LR
SOIL

Date Received	31-MAR-2025
Date Reported	10-APR-2025

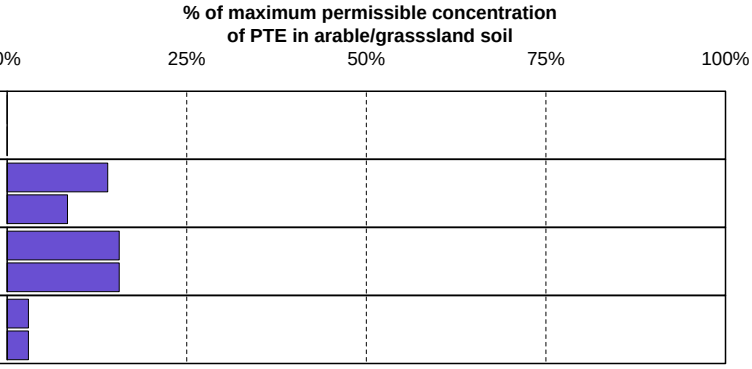
Laboratory References

Report Number	86881
Sample Number	744643

ANALYTICAL RESULTS *on 'dry matter' basis.*

Potentially Toxic Elements (2)

Determinand	Result mg/kg		Maximum mg/kg
Total Molybdenum	<1	Arable	4
		Grassland	4
Total Selenium	0.42	Arable	3
		Grassland	5
Total Arsenic	7.8	Arable	50
		Grassland	50
Fluoride	14.8	Arable	500
		Grassland	500



(1) Recommendations for liming and fertiliser should be obtained from Defra's Fertiliser Manual (RB209). The analytical methods used are as described in Defra's RB427.

(2) Concentration of Potentially Toxic Elements (PTE, commonly referred to as 'heavy metals') are in mg/kg dry soil. The maximum and the percentage of this maximum permissible concentration of PTE in soil are derived from the values in Defra's Code of Practice for Agricultural Use of Sewage Sludge (England & Wales) 1996. If applying organic manures to this soil it is important to ensure the soil is managed with a pH no less than 5.0, and that the PTE maximum values are not exceeded following the application. For soil where the pH value is less than 5.2, a FACTS Qualified Adviser should be consulted. Further details are provided in the Sludge Code.

Released by *Teresa Clyne* Date *10/04/25*

SOIL CHEMICAL ANALYSIS REPORT FOR FIELD - FIELD 6

MATTHEW CONOLLY
4R GROUP
12C NEWENT BUS PARK
GLOUCESTER STREET
NEWENT
GLOUCESTERSHIRE GL18 1DZ

V293

Please quote above code for all enquiries

J MAYO
CASSANDRA FARM
CAERLEON
NEWPORT
NP18 1LR
SOIL

Date Received	31-MAR-2025
Date Reported	10-APR-2025

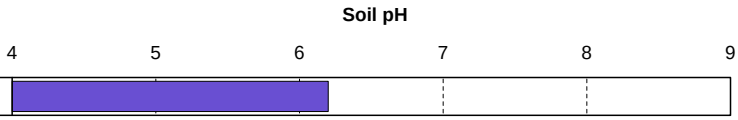
Laboratory References

Report Number	86881
Sample Number	744644

ANALYTICAL RESULTS *on 'dry matter' basis.*

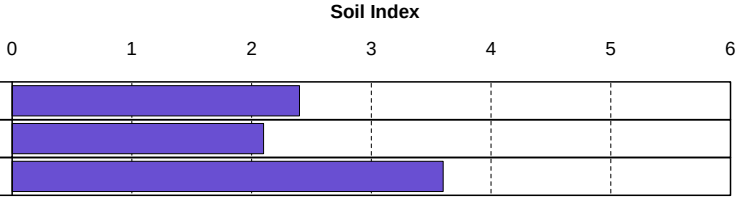
pH (1)

Determinand	Result
Soil pH	6.2



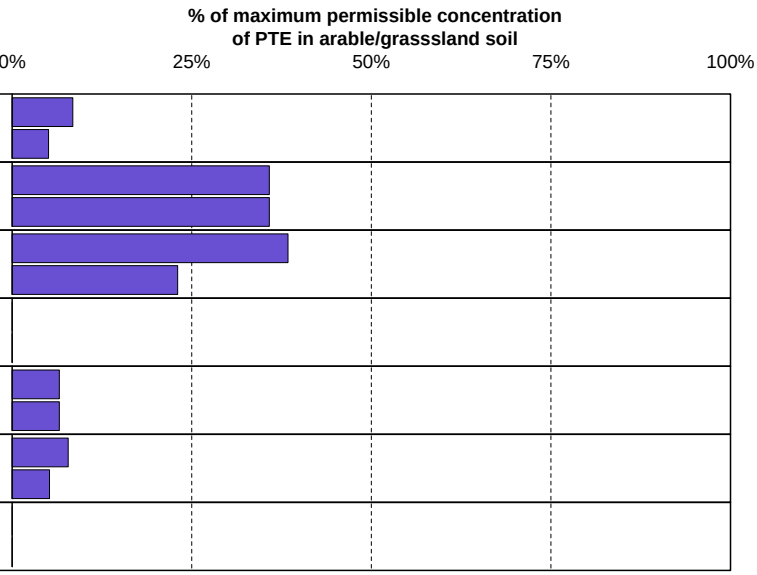
Soil Nutrients (1)

Determinand	Result mg/litre	Soil Index
Available Phosphorus	19.6	2
Available Potassium	139	2-
Available Magnesium	147	3



Potentially Toxic Elements (2)

Determinand	Result mg/kg		Maximum mg/kg
Total Copper	11.4	Arable	135
		Grassland	225
Total Zinc	71.6	Arable	200
		Grassland	200
Total Nickel	28.8	Arable	75
		Grassland	125
Total Cadmium	<0.1	Arable	3
		Grassland	3
Total Lead	19.7	Arable	300
		Grassland	300
Total Chromium	31.2	Arable	400
		Grassland	600
Total Mercury	<0.2	Arable	1
		Grassland	1.5



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Released by *Teresa Clyne* Date *10/04/25*

Independently Analysed by **NRM,** part of the **Cawood Group**, Coopers Bridge, Braziers Lane, Bracknell, Berkshire RG42 6NS
Tel +44 (0) 1344 886338 **Fax**: +44 (0) 1344 890972 **Email**: enquiries@nrm.uk.com **www**.nrm.uk.com

SOIL CHEMICAL ANALYSIS REPORT FOR FIELD - FIELD 6

MATTHEW CONOLLY
4R GROUP
12C NEWENT BUS PARK
GLOUCESTER STREET
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Date Received	31-MAR-2025
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Sample Number	744644

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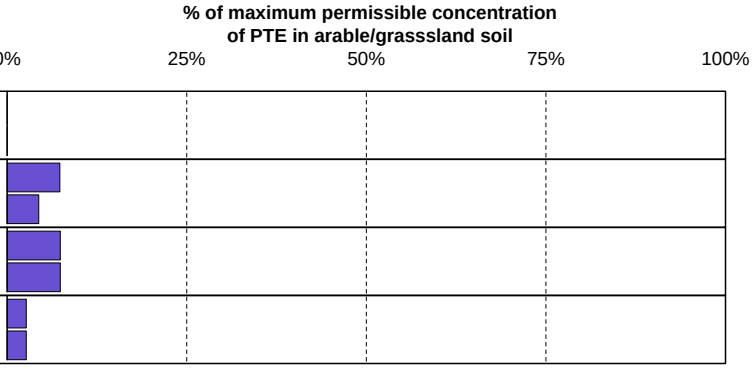
Fluoride	13.3	Arable	500
		Grassland	500



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Released by *Teresa Clyne* Date *10/04/25*

Accreditation and method details

NRM is a UKAS-accredited testing laboratory (No 2334), accredited to BS EN ISO 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF communique dated April 2017). http://ilac.org/?ddownload=120917

NRM is accredited for particular determinands in specific matrices as set out in the laboratory's current UKAS schedule of accreditation https://www.ukas.com/wp-content/uploads/schedule_uploads/00002/2334Testing -Multiple.pdf

Accreditation applies to the following parameters in this report and is applicable to SOIL samples only. All other tests within this report are unaccredited.

Test	Analysis SOP	Method Description
Fluoride	JAS-487	Sulphuric acid extraction (1:10 ratio) and determination by ion selective electrode
Arsenic	JAS-510 / JAS-300	Aqua regia digest on hot block and determination by ICP-OES
Barium		
Beryllium		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Molybdenum		
Mercury		
Nickel		
Vanadium		
Zinc		
Selenium	JAS-510 / JAS-455	Aqua regia digest on hot block and determination by AFS

Analysis Notes

Analysis is carried out on the air-dried (<30°C) and ground sample.

The results as reported relate only to the item(s) submitted for testing.

The results are presented on a dry matter basis.

Indices are derived solely from the numerical value and test result without reference to measurement uncertainty.

Document Control

This test report shall not be reproduced, except in full, without the written approval of the laboratory.
We cannot offer interpretation or opinions for results.

Sampling information

BS ISO 18512:2007 (Soil quality – Guidance on long and short-term storage of soil samples) states that for pH the period of stability and therefore holding time for a wet or 'fresh' soil sample is one week from sampling. Other determinants in the fresh sample may be considered stable for up to a month. Once the sample has been dried the sample may then be considered stable for up to 3 years. No records are maintained by NRM on date sampled or date dried so all samples within this report are considered not to be meeting the requirements of this BS / ISO. Consequently, all pH results given are those of the as-received sample and may not reflect the pH value of the sample when taken.

END OF REPORT

Accreditation and method details

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END OF REPORT

Contact : BRADLEY SMITH
4 RECYCLING LTD
UNIT 12C
NEWENT BUS PRK
NEWENT
GL18 1DZ
Tel. : 0113 232 2400

K771

Please quote the above code for all enquiries

Client : LYNDSEY
GREAT HOUSE FARM

Sample Matrix : Agricultural Soil

Laboratory Reference
Card Number 08398/25

Date Received 03-Jul-25
Date Reported 07-Jul-25

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
37359/25	1	**FIELD 7** *No cropping details given*	**6.1**	**0**	**1**	**2**	**5.5**	**62**	**99**
37360/25	2	**FIELD 8** *No cropping details given*	**5.9**	**0**	**1**	**2**	**5.2**	**81**	**92**

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 07/07/25

Independently Analysed by **NRM,** part of the **Cawood Group**, Coopers Bridge, Braziers Lane, Bracknell, Berkshire RG42 6NS
Tel +44 (0) 1344 886338 **Fax**: +44 (0) 1344 890972 **Email**: enquiries@nrm.uk.com **www**.nrm.uk.com

DATE 7th July 2025
SAMPLES FROM LYNDSEY, GREAT HOUSE FARM

SAMPLED BY

Report reference 08398/25

BRADLEY SMITH
4 RECYCLING LTD
UNIT 12C
NEWENT BUS PRK
NEWENT
GL18 1DZ
Tel: 0113 232 2400
Fax:

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)*
FIELD 7	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **1.7**	**0**
037359 /		*Kg/Ha*				*Te/Ha* **4.2**	**0**

Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
FIELD 8	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **2.3**	**0.6**
037360 /		*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

Contact : BRADLEY SMITH
4 RECYCLING LTD
UNIT 12C
NEWENT BUS PRK
NEWENT
GL18 1DZ
Tel. : 0113 232 2400

K771

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Client : LYNDSEY
GREAT HOUSE FARM

Sample Matrix : Agricultural Soil

Laboratory Reference
Card Number 08397/25

Date Received 03-Jul-25
Date Reported 07-Jul-25

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
37353/25	1	**FIELD 1** *No cropping details given*	**6.3**	**0**	**1**	**3**	**5.2**	**81**	**155**
37354/25	2	**FIELD 2** *No cropping details given*	**5.9**	**1**	**1**	**3**	**12.2**	**110**	**121**
37355/25	3	**FIELD 3** *No cropping details given*	**5.7**	**1**	**2-**	**3**	**10.9**	**124**	**125**
37356/25	4	**FIELD 4** *No cropping details given*	**5.5**	**0**	**1**	**3**	**9.1**	**112**	**140**
37357/25	5	**FIELD 5** *No cropping details given*	**5.9**	**0**	**1**	**3**	**5.0**	**68**	**109**
37358/25	6	**FIELD 6** *No cropping details given*	**5.9**	**0**	**1**	**3**	**6.0**	**74**	**106**

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Released by *Sandy Cameron* On behalf of NRM Date *07/07/25*

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DATE 7th July 2025
SAMPLES FROM LYNDSEY, GREAT HOUSE FARM

SAMPLED BY

Report reference 08397/25

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4 RECYCLING LTD
UNIT 12C
NEWENT BUS PRK
NEWENT
GL18 1DZ
Tel: 0113 232 2400
Fax:

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Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
FIELD 1	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **1.1**	**0**
037353 /		*Kg/Ha*				*Te/Ha* **2.8**	**0**
Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
FIELD 2	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **2.3**	**0.6**
037354 /		*Kg/Ha*				*Te/Ha* **5.6**	**1.6**
Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
FIELD 3	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **2.8**	**1.1**
037355 /		*Kg/Ha*				*Te/Ha* **7.0**	**2.6**
Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
FIELD 4	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **3.4**	**1.5**
037356 /		*Kg/Ha*				*Te/Ha* **8.4**	**3.7**
Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
FIELD 5	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **2.3**	**0.6**
037357 /		*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.....

DATE 7th July 2025
SAMPLES FROM LYNDSEY, GREAT HOUSE FARM

SAMPLED BY

Report reference 08397/25

BRADLEY SMITH
4 RECYCLING LTD
UNIT 12C
NEWENT BUS PRK
NEWENT
GL18 1DZ
Tel: 0113 232 2400
Fax:

Fertiliser Recommendations

Field Name / Ref / Soil Type	*Last Crop / Next Crop*		*P2O5*	*K2O*	*MgO*	*Lime (Arable)*	*(Grass)*
FIELD 6	**Not Given / Not Given**	*Units/Acre*				*T/Ac* **2.3**	**0.6**
037358 /		*Kg/Ha*				*Te/Ha* **5.6**	**1.6**

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