Waste Interpretations – Bryn Cnewyllyn 2026

DCWW

Analysis of Alwen sludge

Date: 12/12/2025 Sample no. 8630916

Application rate (t/ha)	**197**
Application rate (t/acre)	**78.8**
pH	**4.8**
Dry solids (%)	**18.4**
Organic matter (%)	**42.5**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.69	%	1.27	249.7	0.006	1.20
Ammonium-N	33	mg/kg	0.01	1.2		
Phosphorus (P)	0.16	%	0.29	56.5		
Phosphate (P_2O_5)			0.65	128.9	0.3	64.5
Potassium (K)	0.02	%	0.04	8.4		
Potash (K_2O)			0.05	10.1	0.0	9.1
Magnesium (Mg)	252	mg/kg	0.05	9.1		
Magnesium (MgO)			0.07	14.6	0.0	3.7
Sulphur (S)	11200	mg/kg	2.06	406.0		
Sulphur (SO_3)			5.15	1014.9	0.5	101.5
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	126.0	mg/kg	23.2	4.57	15.00
Copper	20.8	mg/kg	3.83	0.75	7.50
Nickel	17.5	mg/kg	3.22	0.63	3.00
Lead	25.0	mg/kg	4.60	0.91	15.00
Cadmium	0.29	mg/kg	0.05	0.01	0.15
Chromium	24.9	mg/kg	4.58	0.90	15.00
Mercury	0.3	mg/kg	0.05	0.01	0.10
Arsenic	13.1	mg/kg	2.41	0.47	0.70
Aluminium	2400	mg/kg	442	87.0	
Iron	394000	mg/kg	72496	14281.7	

DCWW

Analysis of Alwen sludge

Date: 12/12/2025 Sample no. 8630916

Application rate (t/ha)	**114**
Application rate (t/acre)	**45.6**
pH	**4.8**
Dry solids (%)	**18.4**
Organic matter (%)	**42.5**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.69	%	1.27	144.5	0.006	0.7
Ammonium-N	33	mg/kg	0.01	0.7		
Phosphorus (P)	0.16	%	0.29	32.7		
Phosphate (P_2O_5)			0.65	74.6	0.3	37.3
Potassium (K)	0.02	%	0.04	4.9		
Potash (K_2O)			0.05	5.8	0.0	5.3
Magnesium (Mg)	252	mg/kg	0.05	5.3		
Magnesium (MgO)			0.07	8.5	0.0	2.1
Sulphur (S)	11200	mg/kg	2.06	234.9		
Sulphur (SO_3)			5.15	587.3	0.5	58.7
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	126.0	mg/kg	23.2	2.64	15.00
Copper	20.8	mg/kg	3.83	0.44	7.50
Nickel	17.5	mg/kg	3.22	0.37	3.00
Lead	25.0	mg/kg	4.60	0.52	15.00
Cadmium	0.29	mg/kg	0.05	0.01	0.15
Chromium	24.9	mg/kg	4.58	0.52	15.00
Mercury	0.3	mg/kg	0.05	0.01	0.10
Arsenic	13.1	mg/kg	2.41	0.27	0.70
Aluminium	2400	mg/kg	442	50.3	
Iron	394000	mg/kg	72496	8264.5	

DCWW

Analysis of Alwen sludge

Date: 12/12/2025 Sample no. 8630916

Application rate (t/ha)	**57**
Application rate (t/acre)	**22.8**
pH	**4.8**
Dry solids (%)	**18.4**
Organic matter (%)	**42.5**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.69	%	1.27	72.3	0.006	0.3
Ammonium-N	33	mg/kg	0.01	0.3		
Phosphorus (P)	0.16	%	0.29	16.4		
Phosphate (P_2O_5)			0.65	37.3	0.3	18.7
Potassium (K)	0.02	%	0.04	2.4		
Potash (K_2O)			0.05	2.9	0.0	2.6
Magnesium (Mg)	252	mg/kg	0.05	2.6		
Magnesium (MgO)			0.07	4.2	0.0	1.1
Sulphur (S)	11200	mg/kg	2.06	117.5		
Sulphur (SO_3)			5.15	293.7	0.5	29.4
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	126.0	mg/kg	23.2	1.32	15.00
Copper	20.8	mg/kg	3.83	0.22	7.50
Nickel	17.5	mg/kg	3.22	0.18	3.00
Lead	25.0	mg/kg	4.60	0.26	15.00
Cadmium	0.29	mg/kg	0.05	0.00	0.15
Chromium	24.9	mg/kg	4.58	0.26	15.00
Mercury	0.3	mg/kg	0.05	0.00	0.10
Arsenic	13.1	mg/kg	2.41	0.14	0.70
Aluminium	2400	mg/kg	442	25.2	
Iron	394000	mg/kg	72496	4132.3	

DCWW

Analysis of Alwen sludge

Date: 12/12/2025 Sample no. 8630916

Application rate (t/ha)	**42**
Application rate (t/acre)	**16.8**
pH	**4.8**
Dry solids (%)	**18.4**
Organic matter (%)	**42.5**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.69	%	1.27	53.2	0.006	0.3
Ammonium-N	33	mg/kg	0.01	0.3		
Phosphorus (P)	0.16	%	0.29	12.1		
Phosphate (P_2O_5)			0.65	27.5	0.3	13.7
Potassium (K)	0.02	%	0.04	1.8		
Potash (K_2O)			0.05	2.2	0.0	1.9
Magnesium (Mg)	252	mg/kg	0.05	1.9		
Magnesium (MgO)			0.07	3.1	0.0	0.8
Sulphur (S)	11200	mg/kg	2.06	86.6		
Sulphur (SO_3)			5.15	216.4	0.5	21.6
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	126.0	mg/kg	23.2	0.97	15.00
Copper	20.8	mg/kg	3.83	0.16	7.50
Nickel	17.5	mg/kg	3.22	0.14	3.00
Lead	25.0	mg/kg	4.60	0.19	15.00
Cadmium	0.29	mg/kg	0.05	0.00	0.15
Chromium	24.9	mg/kg	4.58	0.19	15.00
Mercury	0.3	mg/kg	0.05	0.00	0.10
Arsenic	13.1	mg/kg	2.41	0.10	0.70
Aluminium	2400	mg/kg	442	18.5	
Iron	394000	mg/kg	72496	3044.8	

DCWW

Analysis of Alaw sludge cake

Date: 28/11/2025 Sample no. 8613416

Application rate (t/ha)	**144**
Application rate (t/acre)	**57.6**
pH	**6.8**
Dry solids (%)	**11.3**
Organic matter (%)	**43.1**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.53	%	1.73	249.0	0.0651	9.4
Ammonium-N	576	mg/kg	0.07	9.4		
Phosphorus (P)	0.26	%	0.29	42.3		
Phosphate (P_2O_5)			0.67	96.5	0.3	48.2
Potassium (K)	0.04	%	0.05	7.1		
Potash (K_2O)			0.06	8.5	0.1	7.7
Magnesium (Mg)	463	mg/kg	0.05	7.5		
Magnesium (MgO)			0.08	12.1	0.0	3.0
Sulphur (S)	9560	mg/kg	1.08	155.6		
Sulphur (SO_3)			2.70	388.9	0.3	38.9
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	54.7	mg/kg	6.2	0.89	15.00
Copper	34.7	mg/kg	3.92	0.56	7.50
Nickel	22.7	mg/kg	2.57	0.37	3.00
Lead	27.6	mg/kg	3.12	0.45	15.00
Cadmium	0.49	mg/kg	0.06	0.01	0.15
Chromium	19.1	mg/kg	2.16	0.31	15.00
Mercury	0.4	mg/kg	0.05	0.01	0.10
Arsenic	11.3	mg/kg	1.28	0.18	0.70
Aluminium	186000	mg/kg	21018	3026.6	
Iron	7510	mg/kg	849	122.2	

DCWW

Analysis of Alaw sludge cake

Date: 28/11/2025 Sample no. 8613416

Application rate (t/ha)	**112**
Application rate (t/acre)	**44.8**
pH	**6.8**
Dry solids (%)	**11.3**
Organic matter (%)	**43.1**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.53	%	1.73	193.6	0.0651	7.3
Ammonium-N	576	mg/kg	0.07	7.3		
Phosphorus (P)	0.26	%	0.29	32.9		
Phosphate (P_2O_5)			0.67	75.0	0.3	37.5
Potassium (K)	0.04	%	0.05	5.5		
Potash (K_2O)			0.06	6.6	0.1	6.0
Magnesium (Mg)	463	mg/kg	0.05	5.9		
Magnesium (MgO)			0.08	9.4	0.0	2.3
Sulphur (S)	9560	mg/kg	1.08	121.0		
Sulphur (SO_3)			2.70	302.5	0.3	30.2
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	54.7	mg/kg	6.2	0.69	15.00
Copper	34.7	mg/kg	3.92	0.44	7.50
Nickel	22.7	mg/kg	2.57	0.29	3.00
Lead	27.6	mg/kg	3.12	0.35	15.00
Cadmium	0.49	mg/kg	0.06	0.01	0.15
Chromium	19.1	mg/kg	2.16	0.24	15.00
Mercury	0.4	mg/kg	0.05	0.01	0.10
Arsenic	11.3	mg/kg	1.28	0.14	0.70
Aluminium	186000	mg/kg	21018	2354.0	
Iron	7510	mg/kg	849	95.0	

DCWW

Analysis of Alaw sludge cake

Date: 28/11/2025 Sample no. 8613416

Application rate (t/ha)	**56**
Application rate (t/acre)	**22.4**
pH	**6.8**
Dry solids (%)	**11.3**
Organic matter (%)	**43.1**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.53	%	1.73	96.8	0.0651	3.6
Ammonium-N	576	mg/kg	0.07	3.6		
Phosphorus (P)	0.26	%	0.29	16.5		
Phosphate (P_2O_5)			0.67	37.5	0.3	18.8
Potassium (K)	0.04	%	0.05	2.8		
Potash (K_2O)			0.06	3.3	0.1	3.0
Magnesium (Mg)	463	mg/kg	0.05	2.9		
Magnesium (MgO)			0.08	4.7	0.0	1.2
Sulphur (S)	9560	mg/kg	1.08	60.5		
Sulphur (SO_3)			2.70	151.2	0.3	15.1
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	54.7	mg/kg	6.2	0.35	15.00
Copper	34.7	mg/kg	3.92	0.22	7.50
Nickel	22.7	mg/kg	2.57	0.14	3.00
Lead	27.6	mg/kg	3.12	0.17	15.00
Cadmium	0.49	mg/kg	0.06	0.00	0.15
Chromium	19.1	mg/kg	2.16	0.12	15.00
Mercury	0.4	mg/kg	0.05	0.00	0.10
Arsenic	11.3	mg/kg	1.28	0.07	0.70
Aluminium	186000	mg/kg	21018	1177.0	
Iron	7510	mg/kg	849	47.5	

DCWW

Analysis of Alaw sludge cake

Date: 28/11/2025 Sample no. 8613416

Application rate (t/ha)	**41**
Application rate (t/acre)	**16.4**
pH	**6.8**
Dry solids (%)	**11.3**
Organic matter (%)	**43.1**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.53	%	1.73	70.9	0.0651	2.7
Ammonium-N	576	mg/kg	0.07	2.7		
Phosphorus (P)	0.26	%	0.29	12.0		
Phosphate (P_2O_5)			0.67	27.5	0.3	13.7
Potassium (K)	0.04	%	0.05	2.0		
Potash (K_2O)			0.06	2.4	0.1	2.2
Magnesium (Mg)	463	mg/kg	0.05	2.1		
Magnesium (MgO)			0.08	3.4	0.0	0.9
Sulphur (S)	9560	mg/kg	1.08	44.3		
Sulphur (SO_3)			2.70	110.7	0.3	11.1
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	54.7	mg/kg	6.2	0.25	15.00
Copper	34.7	mg/kg	3.92	0.16	7.50
Nickel	22.7	mg/kg	2.57	0.11	3.00
Lead	27.6	mg/kg	3.12	0.13	15.00
Cadmium	0.49	mg/kg	0.06	0.00	0.15
Chromium	19.1	mg/kg	2.16	0.09	15.00
Mercury	0.4	mg/kg	0.05	0.00	0.10
Arsenic	11.3	mg/kg	1.28	0.05	0.70
Aluminium	186000	mg/kg	21018	861.7	
Iron	7510	mg/kg	849	34.8	

DCWW

Analysis of Glascoed sludge

Date: 12/12/2025 Sample no. 8630912

Application rate (t/ha)	**221**
Application rate (t/acre)	**88.4**
pH	**6.9**
Dry solids (%)	**15.2**
Organic matter (%)	**30.6**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.74	%	1.13	249.9	0.0061	1.4
Ammonium-N	40.2	mg/kg	0.01	1.4		
Phosphorus (P)	0.19	%	0.29	64.5		
Phosphate (P_2O_5)			0.67	147.1	0.3	73.5
Potassium (K)	0.11	%	0.17	37.3		
Potash (K_2O)			0.20	44.7	0.2	40.3
Magnesium (Mg)	2340	mg/kg	0.36	78.6		
Magnesium (MgO)			0.57	125.8	0.1	31.4
Sulphur (S)	1730	mg/kg	0.26	58.1		
Sulphur (SO_3)			0.66	145.3	0.1	14.5
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	297.0	mg/kg	45.1	9.98	15.00
Copper	31.9	mg/kg	4.85	1.07	7.50
Nickel	36.5	mg/kg	5.55	1.23	3.00
Lead	27.1	mg/kg	4.12	0.91	15.00
Cadmium	0.36	mg/kg	0.05	0.01	0.15
Chromium	28.8	mg/kg	4.38	0.97	15.00
Mercury	0.3	mg/kg	0.05	0.01	0.10
Arsenic	24.7	mg/kg	3.75	0.83	0.70
Aluminium	7710	mg/kg	1172	259.0	
Iron	396000	mg/kg	60192	13302.4	

DCWW

Analysis of Glascoed sludge

Date: 12/12/2025 Sample no. 8630912

Application rate (t/ha)	**112**
Application rate (t/acre)	**44.8**
pH	**6.9**
Dry solids (%)	**15.2**
Organic matter (%)	**30.6**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.74	%	1.13	126.7	0.0061	0.7
Ammonium-N	40.2	mg/kg	0.01	0.7		
Phosphorus (P)	0.19	%	0.29	32.7		
Phosphate (P_2O_5)			0.67	74.5	0.3	37.3
Potassium (K)	0.11	%	0.17	18.9		
Potash (K_2O)			0.20	22.7	0.2	20.4
Magnesium (Mg)	2340	mg/kg	0.36	39.8		
Magnesium (MgO)			0.57	63.7	0.1	15.9
Sulphur (S)	1730	mg/kg	0.26	29.5		
Sulphur (SO_3)			0.66	73.6	0.1	7.4
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	297.0	mg/kg	45.1	5.06	15.00
Copper	31.9	mg/kg	4.85	0.54	7.50
Nickel	36.5	mg/kg	5.55	0.62	3.00
Lead	27.1	mg/kg	4.12	0.46	15.00
Cadmium	0.36	mg/kg	0.05	0.01	0.15
Chromium	28.8	mg/kg	4.38	0.49	15.00
Mercury	0.3	mg/kg	0.05	0.01	0.10
Arsenic	24.7	mg/kg	3.75	0.42	0.70
Aluminium	7710	mg/kg	1172	131.3	
Iron	396000	mg/kg	60192	6741.5	

DCWW

Analysis of Glascoed sludge

Date: 12/12/2025 Sample no. 8630912

Application rate (t/ha)	**56**
Application rate (t/acre)	**22.4**
pH	**6.9**
Dry solids (%)	**15.2**
Organic matter (%)	**30.6**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.74	%	1.13	63.3	0.0061	0.3
Ammonium-N	40.2	mg/kg	0.01	0.3		
Phosphorus (P)	0.19	%	0.29	16.3		
Phosphate (P_2O_5)			0.67	37.3	0.3	18.6
Potassium (K)	0.11	%	0.17	9.4		
Potash (K_2O)			0.20	11.3	0.2	10.2
Magnesium (Mg)	2340	mg/kg	0.36	19.9		
Magnesium (MgO)			0.57	31.9	0.1	8.0
Sulphur (S)	1730	mg/kg	0.26	14.7		
Sulphur (SO_3)			0.66	36.8	0.1	3.7
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	297.0	mg/kg	45.1	2.53	15.00
Copper	31.9	mg/kg	4.85	0.27	7.50
Nickel	36.5	mg/kg	5.55	0.31	3.00
Lead	27.1	mg/kg	4.12	0.23	15.00
Cadmium	0.36	mg/kg	0.05	0.00	0.15
Chromium	28.8	mg/kg	4.38	0.25	15.00
Mercury	0.3	mg/kg	0.05	0.00	0.10
Arsenic	24.7	mg/kg	3.75	0.21	0.70
Aluminium	7710	mg/kg	1172	65.6	
Iron	396000	mg/kg	60192	3370.8	

DCWW

Analysis of Glascoed sludge

Date: 12/12/2025 Sample no. 8630912

Application rate (t/ha)	**42**
Application rate (t/acre)	**16.8**
pH	**6.9**
Dry solids (%)	**15.2**
Organic matter (%)	**30.6**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.74	%	1.13	47.5	0.0061	0.3
Ammonium-N	40.2	mg/kg	0.01	0.3		
Phosphorus (P)	0.19	%	0.29	12.3		
Phosphate (P_2O_5)			0.67	27.9	0.3	14.0
Potassium (K)	0.11	%	0.17	7.1		
Potash (K_2O)			0.20	8.5	0.2	7.7
Magnesium (Mg)	2340	mg/kg	0.36	14.9		
Magnesium (MgO)			0.57	23.9	0.1	6.0
Sulphur (S)	1730	mg/kg	0.26	11.0		
Sulphur (SO_3)			0.66	27.6	0.1	2.8
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	297.0	mg/kg	45.1	1.90	15.00
Copper	31.9	mg/kg	4.85	0.20	7.50
Nickel	36.5	mg/kg	5.55	0.23	3.00
Lead	27.1	mg/kg	4.12	0.17	15.00
Cadmium	0.36	mg/kg	0.05	0.00	0.15
Chromium	28.8	mg/kg	4.38	0.18	15.00
Mercury	0.3	mg/kg	0.05	0.00	0.10
Arsenic	24.7	mg/kg	3.75	0.16	0.70
Aluminium	7710	mg/kg	1172	49.2	
Iron	396000	mg/kg	60192	2528.1	

AD Supplies

Analysis of Aber Falls distillery waste

Date 30/10/2025 **Lab ref. 173386**

Application rate (t/ha)	**23**
Application rate (t/acre)	**9.2**
pH	**4.2**
Dry solids (%)	**10.40**
Organic matter content (%)	**8.9**
conductivity (µS/cm)	**1429**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.08	%	10.80	248.4	0.58	13.3
Ammonium-N	580	mg/kg	0.58	13.3		
Phosphorus (P)	980	mg/kg	0.98			
Phosphate (P_2O_5)			2.23	51.4	1.12	25.7
Potassium (K)	740	mg/kg	0.74			
Potash (K_2O)			0.89	20.4	0.80	18.4
Magnesium (Mg)	140	mg/kg	0.14			
Magnesium (MgO)			0.22	5.2	0.06	1.3
Sulphur (S)	570	mg/kg	0.57			
Sulphur (SO_3)			1.43	32.8	0.29	6.6
Sodium (Na)	70	mg/kg	0.07	1.6	0.04	0.8

POTENTIALLY TOXIC ELEMENTS

			Rate		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	1.33	mg/kg	1.3	0.03	15.00
Copper	299	mg/kg	299.0	6.88	7.50
Nickel	0.20	mg/kg	0.2	0.00	3.00
Lead	0.50	mg/kg	0.5	0.01	15.00
Cadmium	0.01	mg/kg	0.0	0.00	0.15
Chromium	0.20	mg/kg	0.2	0.00	15.00
Mercury	0.05	mg/kg	0.1	0.00	0.10
Arsenic	0.50	mg/kg	0.5	0.01	0.70

AD Supplies

Analysis of Aber Falls distillery waste

Date 30/10/2025 **Lab ref. 173386**

Application rate (t/ha)	**16**
Application rate (t/acre)	**6.4**
pH	**4.2**
Dry solids (%)	**10.40**
Organic matter content (%)	**8.9**
conductivity (µS/cm)	**1429**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.08	%	10.80	172.8	0.58	9.3
Ammonium-N	580	mg/kg	0.58	9.3		
Phosphorus (P)	980	mg/kg	0.98			
Phosphate (P^2O^5)			2.23	35.8	1.12	17.9
Potassium (K)	740	mg/kg	0.74			
Potash (K^2O)			0.89	14.2	0.80	12.8
Magnesium (Mg)	140	mg/kg	0.14			
Magnesium (MgO)			0.22	3.6	0.06	0.9
Sulphur (S)	570	mg/kg	0.57			
Sulphur (SO_3)			1.43	22.8	0.29	4.6
Sodium (Na)	70	mg/kg	0.07	1.1	0.04	0.6

POTENTIALLY TOXIC ELEMENTS

			Rate		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	1.33	mg/kg	1.3	0.02	15.00
Copper	299	mg/kg	299.0	4.78	7.50
Nickel	0.20	mg/kg	0.2	0.00	3.00
Lead	0.50	mg/kg	0.5	0.01	15.00
Cadmium	0.01	mg/kg	0.0	0.00	0.15
Chromium	0.20	mg/kg	0.2	0.00	15.00
Mercury	0.05	mg/kg	0.1	0.00	0.10
Arsenic	0.50	mg/kg	0.5	0.01	0.70

AD Supplies

Analysis of Aber Falls distillery waste

Date 30/10/2025 **Lab ref. 173386**

Application rate (t/ha)	**12**
Application rate (t/acre)	**4.8**
pH	**4.2**
Dry solids (%)	**10.40**
Organic matter content (%)	**8.9**
conductivity (µS/cm)	**1429**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.08	%	10.80	129.6	0.58	7.0
Ammonium-N	580	mg/kg	0.58	7.0		
Phosphorus (P)	980	mg/kg	0.98			
Phosphate (P^2O^5)			2.23	26.8	1.12	13.4
Potassium (K)	740	mg/kg	0.74			
Potash (K^2O)			0.89	10.7	0.80	9.6
Magnesium (Mg)	140	mg/kg	0.14			
Magnesium (MgO)			0.22	2.7	0.06	0.7
Sulphur (S)	570	mg/kg	0.57			
Sulphur (SO_3)			1.43	17.1	0.29	3.4
Sodium (Na)	70	mg/kg	0.07	0.8	0.04	0.4

POTENTIALLY TOXIC ELEMENTS

			Rate		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	1.33	mg/kg	1.3	0.02	15.00
Copper	299	mg/kg	299.0	3.59	7.50
Nickel	0.20	mg/kg	0.2	0.00	3.00
Lead	0.50	mg/kg	0.5	0.01	15.00
Cadmium	0.01	mg/kg	0.0	0.00	0.15
Chromium	0.20	mg/kg	0.2	0.00	15.00
Mercury	0.05	mg/kg	0.1	0.00	0.10
Arsenic	0.50	mg/kg	0.5	0.01	0.70