

SOIL ANALYSIS

Agent: Nutrien Ag Solutions - Goulburn
Agent Address: PO Box 182,
GOULBURN, NSW, 2580
Client: Wingecarribee Shire Council
Test Set or Quotation: NSSP1
Barcode: 111797107
Batch Number: 51494
Submission ID: 159525

Report Date: 16/06/2026
Sampling Date: 01/06/2026
Date Received: 03/06/2026
Sample Name: Back Browley
Crop: Pasture
Sample Depth: 0-10
GPS Start: NA
GPS End: NA

	Analyte	Unit	Desired Level	Level Found	c.mol/kg	Very Low	Low	Acceptable	High	Excessive
	MIR - Aus Soil Texture			Loamy sand						
	ECEC	cmol/kg	5.00-25.0	5.52						
	Organic Carbon (W&B) ²	% (40°C)	0.50-1.00	3.10						
	pH 1:5 water	pH units	6.50-7.50	5.93						
	pH CaCl2 (following 4A1)	pH units	5.50-6.50	5.04						
Extractable N-P-K-S	Nitrate - N (2M KCl)	mg/kg	20-50	9.6						
	Ammonium - N (2M KCl)	mg/kg	2.0-10	6.7						
	Olsen Phosphorus	mg/kg	15-25	12						
	Colwell Phosphorus	mg/kg	30-43	22						
	PBI + Col P		35-70	82						
	Colwell Potassium	mg/kg	120-170	240						
	KCl Sulfur (S)	mg/kg	8.0-20	8.2						
Exchangeable cations	Calcium (Ca) - AmmAc	mg/kg	350-1000	772	3.85					
	Magnesium (Mg) - AmmAc	mg/kg	100-150	122	1.00					
	Potassium (K) - AmmAc	mg/kg	120-170	195	0.498					
	Sodium (Na) - AmmAc	mg/kg	15.0-70.0	18.3	0.080					
	Exchangeable aluminium	cmol/kg	0.10-0.35	0.03						
	Exchangeable hydrogen	cmol/kg	0.10-0.35	0.06						
Trace Elements	Boron	mg/kg	0.50-2.0	0.31						
	Iron (Fe)	mg/kg	10-70	320						
	Manganese (Mn)	mg/kg	1.0-10	15						
	Copper (Cu)	mg/kg	0.50-1.0	0.54						
	Zinc (Zn)	mg/kg	0.50-1.0	4.7						
Salt	Salinity EC 1:5	dS/m	0.025-0.15	0.074						
	Ece	dS/m	0.10-1.5	1.7						
Ratios	Ca:Mg Ratio		2.0-8.0	3.8						
	K:Mg Ratio		0.10-0.50	0.50						
	GTRI		0.02-0.07	0.10						
		Unit	Desired Level	Level Found						
Exch. cation % of ECEC	Calcium	%	60.0-80.0	69.9						
	Magnesium	%	10.0-20.0	18.2						
	Potassium	%	3.0-8.0	9.0						
	Sodium	%	0.5-6.0	1.4						
	Aluminium	%	0.5-10	0.5						
	Hydrogen	%	0.3-5.0	1.0						

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Agent: Nutrien Ag Solutions - Goulburn
Agent Address: PO Box 182,
GOULBURN, NSW, 2580
Client: Wingecarribee Shire Council
Test Set or Quotation: NSSP1
Barcode: 111797106
Batch Number: 51494
Submission ID: 159525

Report Date: 16/06/2026
Sampling Date: 01/06/2026
Date Received: 03/06/2026
Sample Name: Front Browley
Crop: Pasture
Sample Depth: 0-10
GPS Start: NA
GPS End: NA

	Analyte	Unit	Desired Level	Level Found	c.mol/kg	Very Low	Low	Acceptable	High	Excessive
	MIR - Aus Soil Texture			Loamy sand						
	ECEC	cmol/kg	5.00-25.0	8.00						
	Organic Carbon (W&B) ²	% (40°C)	0.50-1.00	4.01						
	pH 1:5 water	pH units	6.50-7.50	6.06						
	pH CaCl2 (following 4A1)	pH units	5.50-6.50	5.22						
Extractable N-P-K-S	Nitrate - N (2M KCl)	mg/kg	20-50	20						
	Ammonium - N (2M KCl)	mg/kg	2.0-10	15						
	Olsen Phosphorus	mg/kg	15-25	22						
	Colwell Phosphorus	mg/kg	30-43	44						
	PBI + Col P		35-70	97						
	Colwell Potassium	mg/kg	120-170	370						
	KCl Sulfur (S)	mg/kg	8.0-20	12						
Exchangeable cations	Calcium (Ca) - AmmAc	mg/kg	350-1000	1150	5.74					
	Magnesium (Mg) - AmmAc	mg/kg	100-150	153	1.26					
	Potassium (K) - AmmAc	mg/kg	120-170	374	0.957					
	Sodium (Na) - AmmAc	mg/kg	15.0-70.0	11.1	0.048					
	Exchangeable aluminium	cmol/kg	0.10-0.35	<0.02						
	Exchangeable hydrogen	cmol/kg	0.10-0.35	<0.02						
Trace Elements	Boron	mg/kg	0.50-2.0	0.50						
	Iron (Fe)	mg/kg	10-70	320						
	Manganese (Mn)	mg/kg	1.0-10	17						
	Copper (Cu)	mg/kg	0.50-1.0	0.42						
	Zinc (Zn)	mg/kg	0.50-1.0	3.5						
Salt	Salinity EC 1:5	dS/m	0.025-0.15	0.12						
	Ece	dS/m	0.10-1.5	2.8						
Ratios	Ca:Mg Ratio		2.0-8.0	4.6						
	K:Mg Ratio		0.10-0.50	0.76						
	GTRI		0.02-0.07	0.14						
Exch. cation % of ECEC	Calcium	%	60.0-80.0	71.7						
	Magnesium	%	10.0-20.0	15.7						
	Potassium	%	3.0-8.0	12						
	Sodium	%	0.5-6.0	0.6						
	Aluminium	%	0.5-10	0.0						
	Hydrogen	%	0.3-5.0	0.0						

NOTE¹: Eurofins APAL will review published literature for crop desired levels, and reserves the right to make changes to this information in test reports as and when these reviews are conducted.

NOTE²: Walkley and Black Organic Carbon % (40°C) data presented in this test report have been obtained by a combination of laboratory wet chemistry and the equivalent modelled result from Mid-Infrared Diffuse Reflectance Spectroscopy and Partial Least Squares Regression (PLSR) analysis. An explanatory technical note is available upon request. The exception is for quoted work that specifically required laboratory wet chemistry.

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Agent: Nutrien Ag Solutions - Goulburn
Agent Address: PO Box 182,
GOULBURN, NSW, 2580
Client: Wingecarribee Shire Council
Test Set or Quotation: NSSP1
Barcode: 111797105
Batch Number: 51494
Submission ID: 159525

Report Date: 16/06/2026
Sampling Date: 01/06/2026
Date Received: 03/06/2026
Sample Name: Saleyard
Crop: Pasture
Sample Depth: 0-10
GPS Start: NA
GPS End: NA

	Analyte	Unit	Desired Level	Level Found	c.mol/kg	Very Low	Low	Acceptable	High	Excessive
	MIR - Aus Soil Texture			Loamy sand						
	ECEC	cmol/kg	5.00-25.0	8.14						
	Organic Carbon (W&B) ²	% (40°C)	0.50-1.00	4.12						
	pH 1:5 water	pH units	6.50-7.50	6.21						
	pH CaCl2 (following 4A1)	pH units	5.50-6.50	5.45						
Extractable N-P-K-S	Nitrate - N (2M KCl)	mg/kg	20-50	10						
	Ammonium - N (2M KCl)	mg/kg	2.0-10	7.9						
	Olsen Phosphorus	mg/kg	15-25	22						
	Colwell Phosphorus	mg/kg	30-43	58						
	PBI + Col P		35-70	90						
	Colwell Potassium	mg/kg	120-170	350						
	KCl Sulfur (S)	mg/kg	8.0-20	12						
Exchangeable cations	Calcium (Ca) - AmmAc	mg/kg	350-1000	1120	5.60					
	Magnesium (Mg) - AmmAc	mg/kg	100-150	207	1.70					
	Potassium (K) - AmmAc	mg/kg	120-170	298	0.761					
	Sodium (Na) - AmmAc	mg/kg	15.0-70.0	16.9	0.074					
	Exchangeable aluminium	cmol/kg	0.10-0.35	<0.02						
	Exchangeable hydrogen	cmol/kg	0.10-0.35	<0.02						
Trace Elements	Boron	mg/kg	0.50-2.0	0.47						
	Iron (Fe)	mg/kg	10-70	340						
	Manganese (Mn)	mg/kg	1.0-10	29						
	Copper (Cu)	mg/kg	0.50-1.0	0.94						
	Zinc (Zn)	mg/kg	0.50-1.0	6.8						
Salt	Salinity EC 1:5	dS/m	0.025-0.15	0.11						
	Ece	dS/m	0.10-1.5	2.4						
Ratios	Ca:Mg Ratio		2.0-8.0	3.3						
	K:Mg Ratio		0.10-0.50	0.45						
	GTRI		0.02-0.07	0.10						
		Unit	Desired Level	Level Found						
Exch. cation % of ECEC	Calcium	%	60.0-80.0	68.8						
	Magnesium	%	10.0-20.0	20.9						
	Potassium	%	3.0-8.0	9.4						
	Sodium	%	0.5-6.0	0.9						
	Aluminium	%	0.5-10	0.0						
	Hydrogen	%	0.3-5.0	0.0						