

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: 111533643
Batch Number: 44150
Submission ID: 139191

Report Date: 10/06/2025
Sampling Date: 28/05/2025
Date Received: 30/05/2025
Sample Name: Saleyard Paddock
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	9.03						
	Organic Carbon (W&B) ²	% (40°C)	0.50-1.00	3.71						
	pH 1:5 water	pH units	6.50-7.50	6.29						
	pH CaCl2 (following 4A1)	pH units	5.50-6.50	5.58						
Extractable N-P-K-S	Nitrate - N (2M KCl)	mg/kg	20-50	2.2						
	Ammonium - N (2M KCl)	mg/kg	2.0-10	5.6						
	Olsen Phosphorus	mg/kg	15-25	28						
	Colwell Phosphorus	mg/kg	30-43	72						
	PBI + Col P		35-70	72						
	Colwell Potassium	mg/kg	120-170	310						
	KCl Sulfur (S)	mg/kg	8.0-20	7.4						
Exchangeable cations	Calcium (Ca) - AmmAc	mg/kg	350-1000	1310	6.53					
	Magnesium (Mg) - AmmAc	mg/kg	100-150	197	1.62					
	Potassium (K) - AmmAc	mg/kg	120-170	306	0.783					
	Sodium (Na) - AmmAc	mg/kg	15.0-70.0	22.5	0.098					
	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	0.56						
	Iron (Fe)	mg/kg	10-70	330						
	Manganese (Mn)	mg/kg	1.0-10	25						
	Copper (Cu)	mg/kg	0.50-1.0	0.68						
	Zinc (Zn)	mg/kg	0.50-1.0	6.3						
Salt	Salinity EC 1:5	dS/m	0.025-0.15	0.082						
	Ece	dS/m	0.10-1.5	1.9						
Ratios	Ca:Mg Ratio		2.0-8.0	4.0						
	K:Mg Ratio		0.10-0.50	0.48						
	GTRI		0.02-0.07	0.10						
		Unit	Desired Level	Level Found						
Exch. cation % of ECEC	Calcium	%	60.0-80.0	72.3						
	Magnesium	%	10.0-20.0	17.9						
	Potassium	%	3.0-8.0	8.7						
	Sodium	%	0.5-6.0	1.1						
	Aluminium	%	0.5-10	0.0						
	Hydrogen	%	0.3-5.0	0.0						

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: 111533641
Batch Number: 44150
Submission ID: 139191

Report Date: 10/06/2025
Sampling Date: 28/05/2025
Date Received: 30/05/2025
Sample Name: Elva Back
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	6.24						
	Organic Carbon (W&B) ²	% (40°C)	0.50-1.00	3.44						
	pH 1:5 water	pH units	6.50-7.50	6.08						
	pH CaCl2 (following 4A1)	pH units	5.50-6.50	5.28						
Extractable N-P-K-S	Nitrate - N (2M KCl)	mg/kg	20-50	3.6						
	Ammonium - N (2M KCl)	mg/kg	2.0-10	14						
	Olsen Phosphorus	mg/kg	15-25	17						
	Colwell Phosphorus	mg/kg	30-43	38						
	PBI + Col P		35-70	66						
	Colwell Potassium	mg/kg	120-170	240						
	KCl Sulfur (S)	mg/kg	8.0-20	7.6						
Exchangeable cations	Calcium (Ca) - AmmAc	mg/kg	350-1000	904	4.51					
	Magnesium (Mg) - AmmAc	mg/kg	100-150	135	1.11					
	Potassium (K) - AmmAc	mg/kg	120-170	207	0.528					
	Sodium (Na) - AmmAc	mg/kg	15.0-70.0	20.6	0.090					
	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	0.43						
	Iron (Fe)	mg/kg	10-70	300						
	Manganese (Mn)	mg/kg	1.0-10	27						
	Copper (Cu)	mg/kg	0.50-1.0	0.36						
	Zinc (Zn)	mg/kg	0.50-1.0	2.8						
Salt	Salinity EC 1:5	dS/m	0.025-0.15	0.076						
	Ece	dS/m	0.10-1.5	1.7						
Ratios	Ca:Mg Ratio		2.0-8.0	4.1						
	K:Mg Ratio		0.10-0.50	0.48						
	GTRI		0.02-0.07	0.09						
		Unit	Desired Level	Level Found						
Exch. cation % of ECEC	Calcium	%	60.0-80.0	72.3						
	Magnesium	%	10.0-20.0	17.8						
	Potassium	%	3.0-8.0	8.5						
	Sodium	%	0.5-6.0	1.4						
	Aluminium	%	0.5-10	0.0						
	Hydrogen	%	0.3-5.0	0.0						

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: 111533644
Batch Number: 44150
Submission ID: 139191

Report Date: 10/06/2025
Sampling Date: 28/05/2025
Date Received: 30/05/2025
Sample Name: Elva Front
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	7.50						
	Organic Carbon (W&B) ²	% (40°C)	0.50-1.00	3.78						
	pH 1:5 water	pH units	6.50-7.50	6.23						
	pH CaCl2 (following 4A1)	pH units	5.50-6.50	5.34						
Extractable N-P-K-S	Nitrate - N (2M KCl)	mg/kg	20-50	5.0						
	Ammonium - N (2M KCl)	mg/kg	2.0-10	7.5						
	Olsen Phosphorus	mg/kg	15-25	15						
	Colwell Phosphorus	mg/kg	30-43	38						
	PBI + Col P		35-70	91						
	Colwell Potassium	mg/kg	120-170	320						
	KCl Sulfur (S)	mg/kg	8.0-20	5.8						
Exchangeable cations	Calcium (Ca) - AmmAc	mg/kg	350-1000	1120	5.60					
	Magnesium (Mg) - AmmAc	mg/kg	100-150	142	1.17					
	Potassium (K) - AmmAc	mg/kg	120-170	272	0.694					
	Sodium (Na) - AmmAc	mg/kg	15.0-70.0	10.1	0.044					
	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	0.55						
	Iron (Fe)	mg/kg	10-70	250						
	Manganese (Mn)	mg/kg	1.0-10	16						
	Copper (Cu)	mg/kg	0.50-1.0	0.31						
	Zinc (Zn)	mg/kg	0.50-1.0	2.1						
Salt	Salinity EC 1:5	dS/m	0.025-0.15	0.069						
	Ece	dS/m	0.10-1.5	1.6						
Ratios	Ca:Mg Ratio		2.0-8.0	4.8						
	K:Mg Ratio		0.10-0.50	0.60						
	GTRI		0.02-0.07	0.10						
		Unit	Desired Level	Level Found						
Exch. cation % of ECEC	Calcium	%	60.0-80.0	74.6						
	Magnesium	%	10.0-20.0	15.5						
	Potassium	%	3.0-8.0	9.3						
	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.