

TRADING NAME: Wingecarribee Shire Council

ACCREDITED ADVISER: Andrew Robertson

ACCOUNT NUMBER:

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AREA (ha): not provided

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DATE: 04 May 2015















LABORATORY: Nutrient Advantage Lab

Paddock Name	1
Area (ha)	1
Target production (t/ha)	9.0
Laboratory sample number	46528521
Profile sampled (cm)	0-10
Date of sampling	27 Apr 2015
Evaluation table	Pasture NSW Perennial Grass Legume 9 DSE PBI (140 - 280)
Description	2015

ANALYSIS RESULTS

Paddock Name	1
Sample Depth (cm)	0-10
Soil texture	Clay Loam
Soil colour	Grey
Colour (SM Code)	3
Texture (SM Code)	5
pH (1:5 H ₂ O)	6.5 - Satisfactory
pH (1:5 CaCl ₂)	5.5 - Satisfactory
EC (1:5 H ₂ O) dS/m	0.06 - Satisfactory
EC (se) (dS/m)	0.5 - Satisfactory
EC (se) (dS/m) (Cladj)	0.3 - Satisfactory
Chloride (1:5 H ₂ O) mg/kg	11 - Satisfactory
Organic carbon (Walkley Black) %	2.60 - Satisfactory
Nitrate nitrogen (KCl) mg/kg	5 - Marginal
Ammonium nitrogen (KCl) mg/kg	8 - High
Phosphorus (Colwell) mg/kg	19 - Low
Phosphorus Buffer Index (PBI)	76 - Satisfactory
Phosphorus Environmental Risk Index	0.20 - Satisfactory
Potassium (Amm-acet.) cmol+/kg	0.80 - Sufficient
Potassium % of CEC	10.8 - High
Sulfate-S (KCl40) mg/kg	4.3 - Low
Calcium (Amm-acet.) cmol+/kg	5.5 - Sufficient
Calcium % of CEC	74.0 - Sufficient
Magnesium (Amm-acet.) cmol+/kg	1.1 - Sufficient
Magnesium % cations	14.8 - Satisfactory
Grass Tetany Risk Index (Soil)	0.12 - High
Calcium:magnesium ratio	5.0
Calcium:Magnesium Ratio (cmol+/kg)	5
Sodium (Amm-acet.) cmol+/kg	0.03 - Sufficient
Exch. sodium %	0.4 - Satisfactory
Electrochemical Stability Index	0.139 - Satisfactory
Aluminium (KCl) cmol+/kg	0.10 - Sufficient
Aluminium Saturation %	1.3 - Sufficient
eCEC cmol+/kg	7.4 - Satisfactory
Copper (DTPA) mg/kg	0.24 - Marginal
Zinc (DTPA) mg/kg	2.80 - Sufficient

Manganese (DTPA) mg/kg								19.0	
Iron (DTPA) mg/kg								240.0	
SOIL HEALTH	Result	Low	Marginal	Sufficient	High	Excess	Sufficiency Range		
pH (1:5 H ₂ O)	0 - 10 6.5							5.5 - 8.5	
pH (1:5 CaCl ₂)	0 - 10 5.5							4.7 - 7.7	
EC (1:5 H ₂ O) dS/m	0 - 10 0.06							0.00 - 0.30	
EC (se) (dS/m)	0 - 10 0.5							0.0 - 2.3	
EC (se) (dS/m) (Cladj)	0 - 10 0.3							0.0 - 2.3	
Chloride (1:5 H ₂ O) mg/kg	0 - 10 11							0 - 100	
Organic carbon (Walkley Black) %	0 - 10 2.60							2.00 - 5.00	
Phosphorus Buffer Index (PBI)	0 - 10 76							15 - 280	
Phosphorus Environmental Risk Index	0 - 10 0.20							0.00 - 0.65	
Magnesium % cations	0 - 10 14.8							0.0 - 25.0	
Grass Tetany Risk Index (Soil)	0 - 10 0.12							0.00 - 0.07	
Exch. sodium %	0 - 10 0.4							0.0 - 6.0	
Electrochemical Stability Index	0 - 10 0.139							0.050 - 10.000	
eCEC cmol+/kg	0 - 10 7.4							0.0 - 100.0	

NUTRIENT	Result	Low	Marginal	Sufficient	High	Excess	Sufficiency Range		
Nitrate nitrogen (KCl) mg/kg	0 - 10 5							10 - 25	
Ammonium nitrogen (KCl) mg/kg	0 - 10 8							0 - 5	
Phosphorus (Colwell) mg/kg	0 - 10 19							40 - 90	
Potassium (Amm-acet.) cmol+/kg	0 - 10 0.80							0.40 - 2.00	
Potassium % of CEC	0 - 10 10.8							1.0 - 10.0	
Sulfate-S (KCl40) mg/kg	0 - 10 4.3							8.0 - 50.0	
Calcium (Amm-acet.) cmol+/kg	0 - 10 5.5							10.0 - 100.0	
Calcium % of CEC	0 - 10 74.0							55.0 - 90.0	
Magnesium (Amm-acet.) cmol+/kg	0 - 10 1.1							1.0 - 200.0	
Sodium (Amm-acet.) cmol+/kg	0 - 10 0.03							0.00 - 0.80	
Aluminium (KCl) cmol+/kg	0 - 10 0.10							0.00 - 0.30	
Aluminium Saturation %	0 - 10 1.3							0.0 - 5.0	
Copper (DTPA) mg/kg	0 - 10 0.24							0.30 - 5.00	
Zinc (DTPA) mg/kg	0 - 10 2.80							0.50 - 5.00	

RECOMMENDATION: 2015

TIMING	PRODUCT	APPLICATION	RATE	QUANTITY
NUTRIENT RATES IN PRODUCT RECOMMENDATION				

IMPORTANT NOTE:

The evaluation and recommendation reports provided here are a guide only, and depend on representative samples being analysed. Additionally environmental and managerial factors influence production, therefore as suppliers of this report, we do not accept any liability whatsoever arising from the application of recommendations, for any damage, loss or injury of any nature and the user takes these evaluations and recommendations on these terms. This recommendation is made in good faith, based on the best technical information available.