

SOIL TEST RESULT

Test data by Eurofins NZ Laboratory Services Limited

Laboratory Ref No.

Client: Muddy Creek Pastoral Ltd
 Address: Geoff McAtamney
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Sample: Michael Peck - Cattle Yard Consultant: Anthony McLean
 Crop: Pasture Contact Ph No: 029 276 0303
 Regime: Conventional Test Date: 8/07/2020

Sample Depth: 7.5cm
 C.E.C. (M.E.): 19 High
 Anion Storage Capacity: 13 Low
 Soil pH: 6.30
 Organic Matter %: 4.80
 Nitrogen (N) Kg/Ha: 109.76

Base Saturation Percentage		Desired % for Excellence	Available %	Excess/(Deficit) %	Outcome
CALCIUM	(Ca++) (60-72%)	68.00%	70.00%	2.00%	Very Good
MAGNESIUM	(Mg++) (10-14%)	12.00%	12.01%	0.01%	Excellent
POTASSIUM	(K+) (2.5-7.5%)	5.00%	2.10%	(2.90%)	Deficient
SODIUM	(Na+) (0.5-2.5%)	1.50%	0.60%	(0.90%)	OK
OTHER BASES	(Variable)	3.00%	4.29%		
HYDROGEN	(H ⁺)	10.50%	11.00%		
Total Base Saturation (TBS)		100.00%	100.00%		

Expressed as kgs/ha

		Desired (Kg's/Ha)	Available (Kg's/Ha)	Excess/(Deficit)	Outcome
Calcium	(Ca)	5,788	5,958	170	Very Good
Magnesium	(Mg)	613	613	1	Excellent
Potassium	(K)	830	349	(481)	Deficient
Sodium	(Na)	147	59	(88)	OK

		Desired (Kg's/Ha)	Available (Kg's/Ha)	Excess/(Deficit)	Outcome
Phosphates Bray	(P2O5)	500	149	(351)	Deficient
Olsen P Level	P	20-30	6		Low
Olsen P kg/ha	P	-	-	0	
Total Phosphorous	P	1,800-2,000	1,427		Low
Sulphate - S	(SO ₄)	112	11	(101)	Deficient
Total Sulphur	S	1,344	708	(636)	Low

Trace Elements

		Desired (Kg's/Ha)	Available (Kg's/Ha)	Excess/(Deficit)	Outcome
Boron	(B)	3.4	1.8	(1.6)	OK
Iron	(Fe)	976.6	976.6	0.0	Excellent
Manganese	(Mn)	300.0	297.9	(2.1)	Excellent
Copper	(Cu)	11.2	9.4	(1.8)	Good
Zinc	(Zn)	13.4	8.1	(5.4)	Very Deficient
Cobalt	(Co)	3.4	4.7	1.3	High
Molybdenum	(Mo)	3.4	0.7	(2.7)	Deficient

Values in brackets denote deficiencies.