APAL
Australian Precision Ag Laboratory

SOIL ANALYSIS

Agent: APAL Agricultural Laboratory
Agent Address: U3, 11 Ridley Street, Hindmarsh, SA, 5007
Client: Demo Company
Test Set or Quotation: SP1
Barcode: 110426985
Batch Number: 11717
Submission ID: 35635

Report Date: 28/08/2019
Sampling Date: NA
Date Received: 20/08/2019
Sample Name: South
Crop: Dryland Pasture
Sample Depth: NA
GPS Start: NA
GPS End: NA

		Unit	Desired Level	Level Found	c.mol/kg
	MIR - Aus Soil Texture			Silty loam	
	ECEC	cmol/kg	5.00-25.0	7.98	
	Organic Carbon (W&B)	%	0.900-1.80	5.33	
	pH 1:5 water	pH units	6.50-7.50	5.40	
	pH CaCl2 (following 4A1)	pH units	5.50-6.50	4.52	
Extractable N-P-K-S	Nitrate - N (2M KCl)	mg/kg	20-50	9.2	
	Ammonium - N (2M KCl)	mg/kg	2.0-10	9.2	
	Olsen Phosphorus	mg/kg	15-25	6.4	
	Colwell Phosphorus	mg/kg	29-34	12	
	PBI + Col P		35.0-70.0	85.0	
	Colwell Potassium	mg/kg	150-220	320	
	KCl Sulfur (S)	mg/kg	8.0-20	14	
Exchangeable cations	Calcium (Ca) - AmmAc	mg/kg	1000-2000	997	4.97
	Magnesium (Mg) - AmmAc	mg/kg	150-200	201	1.65
	Potassium (K) - AmmAc	mg/kg	150-220	289	0.738
	Sodium (Na) - AmmAc	mg/kg	15.0-120	72.1	0.314
	Exchangeable aluminium	cmol/kg	0.10-0.35	0.16	
	Exchangeable hydrogen	cmol/kg	0.10-0.35	0.14	
Trace Elements	Boron	mg/kg	0.50-2.0	0.72	
	Iron (Fe)	mg/kg	10-70	390	
	Manganese (Mn)	mg/kg	1.0-10	11	
	Copper (Cu)	mg/kg	0.50-1.0	0.87	
	Zinc (Zn)	mg/kg	0.50-1.0	2.2	
Salt	Salinity EC 1:5	dS/m	0.025-0.15	0.086	
	Ece	dS/m	0.10-1.5	0.81	
Ratios	Ca:Mg Ratio		2.0-8.0	3.0	
	K:Mg Ratio		0.10-0.50	0.45	
	GTRI		0.020-0.070	0.11	

		Unit	Desired Level	Level Found
Exch. cation %	Calcium	%	60.0-80.0	62.3
	Magnesium	%	10.0-20.0	20.7
	Potassium	%	3.00-8.00	9.20
	Sodium	%	0.500-6.00	3.90
	Aluminium	%	0.500-10.0	2.00
	Hydrogen	%	0.300-5.00	1.80

NOTE: Apal Laboratory 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.

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ASPAC

SOIL ANALYSIS

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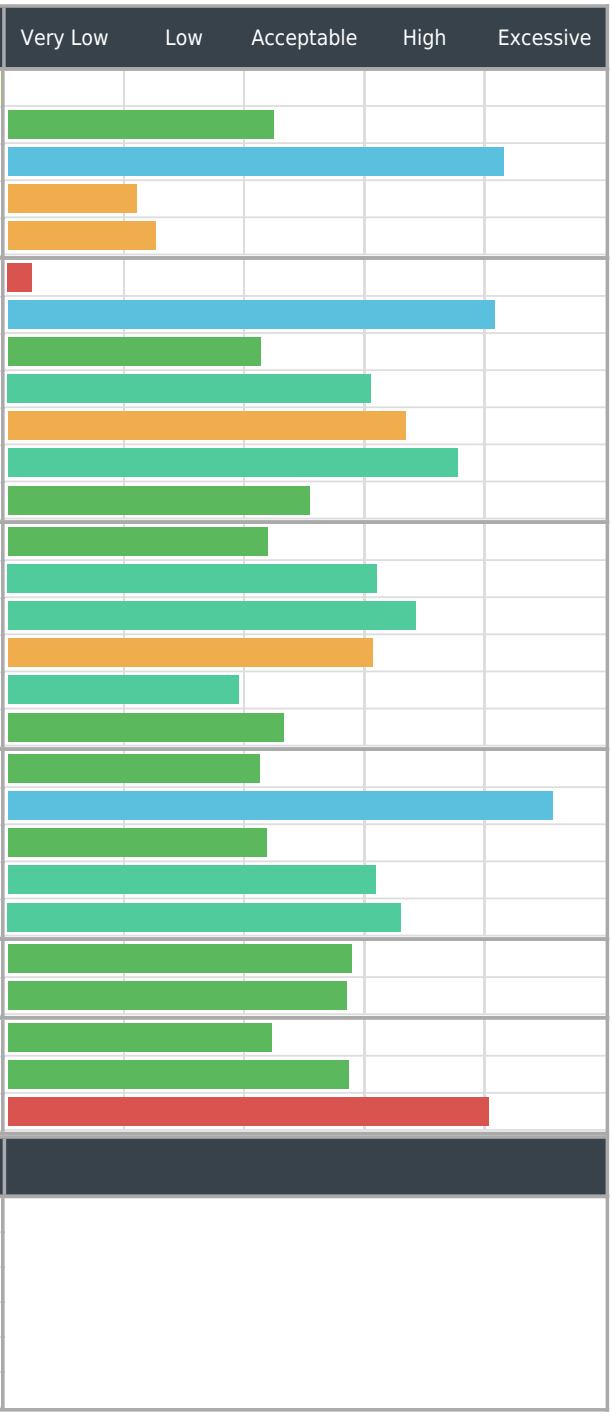
Australian Precision Ag Laboratory

Agent:	APAL Agricultural Laboratory
Agent Address:	U3, 11 Ridley Street, Hindmarsh, SA, 5007
Client:	Demo Company
Test Set or Quotation:	SP1
Barcode:	110426986
Batch Number:	11717
Submission ID:	35635

Report Date:	28/08/2019
Sampling Date:	NA
Date Received:	20/08/2019
Sample Name:	North
Crop:	Dryland Pasture
Sample Depth:	NA
GPS Start:	NA
GPS End:	NA

		Unit	Desired Level	Level Found	c.mol/kg
	MIR - Aus Soil Texture			Silty loam	
	ECEC	cmol/kg	5.00-25.0	9.28	
	Organic Carbon (W&B)	%	0.900-1.80	5.75	
	pH 1:5 water	pH units	6.50-7.50	5.57	
	pH CaCl2 (following 4A1)	pH units	5.50-6.50	4.73	
Extractable N-P-K-S	Nitrate - N (2M KCl)	mg/kg	20-50	2.0	
	Ammonium - N (2M KCl)	mg/kg	2.0-10	78	
	Olsen Phosphorus	mg/kg	15-25	16	
	Colwell Phosphorus	mg/kg	29-34	36	
	PBI + Col P		35.0-70.0	127	
	Colwell Potassium	mg/kg	150-220	390	
	KCl Sulfur (S)	mg/kg	8.0-20	14	
Exchangeable cations	Calcium (Ca) - AmmAc	mg/kg	1000-2000	1170	5.82
	Magnesium (Mg) - AmmAc	mg/kg	150-200	223	1.84
	Potassium (K) - AmmAc	mg/kg	150-220	313	0.800
	Sodium (Na) - AmmAc	mg/kg	15.0-120	126	0.546
	Exchangeable aluminium	cmol/kg	0.10-0.35	0.090	
	Exchangeable hydrogen	cmol/kg	0.10-0.35	0.18	
Trace Elements	Boron	mg/kg	0.50-2.0	0.64	
	Iron (Fe)	mg/kg	10-70	500	
	Manganese (Mn)	mg/kg	1.0-10	2.4	
	Copper (Cu)	mg/kg	0.50-1.0	1.3	
	Zinc (Zn)	mg/kg	0.50-1.0	2.1	
Salt	Salinity EC 1:5	dS/m	0.025-0.15	0.13	
	Ece	dS/m	0.10-1.5	1.3	
Ratios	Ca:Mg Ratio		2.0-8.0	3.2	
	K:Mg Ratio		0.10-0.50	0.44	
	GTRI		0.020-0.070	0.10	

		Unit	Desired Level	Level Found
Exch. cation %	Calcium	%	60.0-80.0	62.8
	Magnesium	%	10.0-20.0	19.8
	Potassium	%	3.00-8.00	8.60
	Sodium	%	0.500-6.00	5.90
	Aluminium	%	0.500-10.0	1.00
	Hydrogen	%	0.300-5.00	1.90



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