Project Name: APSRU Soil Reference Sites
Project Code: APSRU **Site ID:** 300 **Observation ID:** 1
Agency Name: CSIRO Sustainable Ecosystems (QLD)

Site Information

Desc. By:
Locality: Characterisation_Site: Roseworthy (RWN3). Farmer_Contact: Mr Lawrance Burk
Date Desc.: 20/05/05
Elevation: No Data
Map Ref.:
Rainfall: No Data
Northing/Long.: 138.686
Runoff: No Data
Easting/Lat.: -34.499
Drainage: No Data

Geology

ExposureType: No Data
Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: No Data
Pattern Type: No Data
Morph. Type: No Data
Relief: No Data
Elem. Type: No Data
Slope Category: No Data
Slope: %
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.15 m ;

0.15 - 0.3 m ;

0.3 - 0.6 m ;

0.6 - 0.9 m ;

0.9 - 1.2 m ;

1.2 - 1.5 m ;

Morphological Notes

Observation Notes

Site Notes

Roseworthy

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m				Cmol (+)/kg				%
0 - 0.15	7.8A	0.1A	9.2H	3.3	0.7	0.5		13.7E		3.65
0.15 - 0.3	8.3A	0.2A	16.7H	7.1	0.7	1.2		25.7E		4.67
0.3 - 0.6	9.1A	0.2A	13.8H	7.2	0.6	2		23.6E		8.47
0.6 - 0.9	9.9A	0.5A	8.5H	8.9	0.7	6.9		25E		27.60
0.9 - 1.2	9.7A	0.9A	5.7H	9.6	1	9.8		26E		37.69
1.2 - 1.5	9.5A	1A	3.8H	9.8	1	10.2		24.9E		40.96

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15		1.2A					1.57		73I		4	22
0.15 - 0.3		0.96A					1.38		44I		4	52
0.3 - 0.6		0.6A					1.32		39I		8	53
0.6 - 0.9		0.3A					1.53		39I		8	52
0.9 - 1.2		0.18A					1.69		48I		7	45
1.2 - 1.5		0.12A					1.73		51I		5	43

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.15										
0.15 - 0.3										
0.3 - 0.6										
0.6 - 0.9										
0.9 - 1.2										
1.2 - 1.5										

Project Name: **APSRU Soil Reference Sites**
Project Code: **APSRU** **Site ID:** **300** **Observation ID:** **1**
Agency Name: **CSIRO Sustainable Ecosystems (QLD)**

Laboratory Analyses Completed for this profile

15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
15E1_CEC	CEC by compulsive exchange, no pretreatment for soluble salts
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15N1	Exchangeable sodium percentage (ESP)
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1	Organic carbon - Walkley and Black
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded
P3A1	Bulk density - g/cm3
P3B6VL_DUL	Drained Upper Limit (0.1 BAR) Moisture m3/m3 - Volumetric using APSRU in situ methodology
P3B6VL_LL	Lower Limit (15 BAR) Moisture m3/m3 - Volumetric using APSRU in situ methodology
P3B6VL_SAT	Saturated Moisture m3/m3 - Volumetric using APSRU in situ methodology