

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN153 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	29/09/88	Elevation:	310 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6078800 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	516600 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Low hills
Morph. Type:	Flat	Relief:	20 metres
Elem. Type:	Hillcrest	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	GN2.12
		Great Soil Group:	N/A

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Tall Strata - Sod grass, <0.25m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Brown (7.5YR4/4-Moist); ; Fine sandy loam (Heavy); 10-20%, medium gravelly, 6-20mm, subangular, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules;
B1	0.1 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Clay loam; 10-20%, medium gravelly, 6-20mm, subangular, coarse fragments;
B21	0.3 - 0.6 m	Red (2.5YR4/6-Moist); ; Light clay;
B22	0.6 - 0.8 m	Yellowish brown (10YR5/6-Moist); , 2.5YR46, 10-20% , 0-5mm, Distinct; Light clay;

Morphological Notes

Observation Notes

Clover and grasses, flat site on top of small rise. Gradational red profile, no CO3. Bright Red Earth.

Site Notes

Wagga Wagga

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.1	4.4B		2K	0.43	0.45	0.05			
0.1 - 0.2	4.51B		3K	0.76	0.33	0.04			
0.2 - 0.3	5.26B		6.56K	2.21	0.47				
0.3 - 0.4	5.77B		9.08K	3.51	0.62	0.05			
0.4 - 0.5	6.06B								
0.7 - 0.8	6.3B								

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Laboratory Analyses Completed for this profile

13_NR_AL	Extractable Al(%) - Not recorded
13_NR_MN	Extractable Mn(%) - Not recorded
15_NR_AL	Exchangeable aluminium - method not recorded
15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct