

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN23 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	23/06/88	Elevation:	245 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6106500 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	529800 Datum: AGD66	Drainage:	Imperfectly 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 low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Lower-slope	Relief:	50 metres
Elem. Type:	Footslope	Slope Category:	Level
Slope:	0.5 %	Aspect:	90 degrees

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:	DR2.11
		Great Soil Group:	N/A

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

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.1 m	Reddish brown (5YR4/4-Moist); ; Fine sandy loam;
B1	0.1 - 0.4 m	Red (2.5YR4/8-Moist); ; Fine sandy clay;
B21	0.4 - 0.8 m	Yellowish red (5YR5/8-Moist); ; Light clay;

Morphological Notes

Observation Notes

Foothills, small grazing paddock, medium cover of grasses and clovers. Relief 50m, diffuse boundaries, gradual color changes. RE? Red podzolic?

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	Acidity		%
						Cmol (+)/kg			
0 - 0.1	4.21B		1.93K	0.47	0.71	0.03			
0.1 - 0.2	4.35B		2.75K	0.79	0.43	0.02			
0.2 - 0.3	4.86B		3.9K	1.73	0.38	0.04			
0.3 - 0.4	5.25B		4.83K	2.81	0.3	0.06			
0.4 - 0.5	5.35B								
0.7 - 0.8	5.24B								

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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