

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN137 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	28/09/88	Elevation:	240 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6095900 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	519500 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:	No Data	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	10 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	240 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:	DY2.12
		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

Ap	0 - 0.2 m	Brown (10YR4/3-Moist); ; Loam; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;
B21	0.2 - 0.5 m	Yellowish brown (10YR5/4-Moist); , 10YR73, 10-20% , 0-5mm, Distinct; Sandy light clay; Common (10 - 20 %), Ferruginous, Medium (2 -6 mm), Nodules;
B22	0.5 - 0.8 m	Yellowish brown (10YR5/6-Moist); ; Sandy clay; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;

Morphological Notes

B21 Some bleaching at top of B. Mottling only at 20-30cm.

Observation Notes

Lower part of 1km footslope from hill to east, clover>grasses. Duplex yellow profile with CO3 at 70-80cm layer, could be Solodic.

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	4.28B		2.19K	0.94	0.43	0.19			
0.1 - 0.2	4.49B		2.33K	1.5	0.38	0.38			
0.2 - 0.3	5.24B		3.25K	3.11	0.44	0.9			
0.3 - 0.4	5.89B		4.36K	5.04	0.59	1.66			
0.4 - 0.5	6.44B								
0.7 - 0.8	6.82B								

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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