

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN140 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	28/09/88	Elevation:	250 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6090300 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	517900 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 plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	5 metres
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	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:	GN2.21
		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 - 0.1 m	Brown (7.5YR4/2-Moist); ; Fine sandy loam; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules;
A2	0.1 - 0.3 m	Brown (7.5YR5/4-Moist); Pale brown (10YR6/3-Dry); ; Fine sandy loam (Heavy); Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules;
B21	0.3 - 0.6 m	Yellowish brown (10YR5/8-Moist); ; Clay loam; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules;
B22	0.6 - 0.8 m	Yellowish brown (10YR5/8-Moist); , 2.5YR46, 10-20% , 5-15mm, Distinct; Clay loam; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules;

Morphological Notes

A2 Pale A2.

Observation Notes

Clover=broadleaf=grasses. Duplex yellow soil, not quite duplex. Pale A2, no CO3. Yellow 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	4.72B		1.83K	0.35	0.52	0.02			
0.1 - 0.2	4.89B		1.93K	0.47	0.39	0.03			
0.2 - 0.3	5B		2.26K	0.78	0.37				
0.3 - 0.4	5.16B		3.84K	1.7	0.58				
0.4 - 0.5	5.28B								
0.7 - 0.8	5.85B								

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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