

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN149 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	29/09/88	Elevation:	275 metres
Map Ref.:	Sheet No. : 8326 1:100000	Rainfall:	No Data
Northing/Long.:	6070400 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	511500 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	5 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	360 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:	DY2.41
		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	Dark yellowish brown (10YR4/4-Moist); ; Fine sandy loam; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules;
A2	0.1 - 0.4 m	Yellowish brown (10YR5/4-Moist); Very pale brown (10YR7/4-Dry); ; Sandy loam; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules;
B21	0.4 - 0.7 m	Yellowish brown (10YR5/6-Moist); ; Sandy light clay;
B22	0.7 - 0.8 m	Yellowish brown (10YR5/6-Moist); , 2.5YR36, 10-20% , 0-5mm, Distinct; Sandy light clay; Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Concretions;

Morphological Notes

A2	Conspicuous bleached A2.
B22	Mottle, associated nodules.

Observation Notes

Grasses>clover, flat bench 3m above drainage line 200m to N. No CO3, duplex yellow profile, very similar to AN148, A2. 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	4.8B		1.82K	0.53	1.5	0.04			
0.1 - 0.2	4.41B		0.56K	0.29	0.74	0.03			
0.2 - 0.3	4.33B		0.37K	0.23	0.49				
0.3 - 0.4	4.41B		0.63K	0.31	0.69				
0.4 - 0.5	4.86B								
0.7 - 0.8	5.6B								

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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