

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN120 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	27/09/88	Elevation:	240 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6103000 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	537300 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:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	10 metres
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	300 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:	Yellow podzolic soil

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 (10YR4/3-Moist); ; Sandy loam; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Nodules;
A2	0.1 - 0.3 m	Pale brown (10YR6/3-Moist); Very pale brown (10YR7/3-Dry); ; Loamy sand; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B21	0.3 - 0.8 m	Yellowish red (5YR5/6-Moist); ; Clay loam, sandy; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;

Morphological Notes

A2 Bleached A2.

Observation Notes

Grazing paddock, short cover of clovers>broadleaves. Middle of long 2km slope from low hills to S and E. Sandy red duplex soil. Bleached A2, noCO3. 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	3.99B		1.72K	0.51	0.13	0.41			
0.1 - 0.2	4.16B		0.76K	0.24	0.07	0.33			
0.2 - 0.3	4.23B		0.48K	0.29	0.05	0.15			
0.3 - 0.4	4.06B		2.35K	3.53	0.25	1.04			
0.4 - 0.5	4.19B								
0.7 - 0.8	4.45B								

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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