

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN179 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Murrumbidgee
Date Desc.:	12/10/88	Elevation:	300 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6164900 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	532000 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:	180 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:	Um6.14
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, 0.26-0.5m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

Ap	0 - 0.1 m	Brown (7.5YR4/4-Moist); ; Clay loam, fine sandy; 0-2%, medium gravelly, 6-20mm, subangular, coarse fragments; Gradual change to -
A2	0.1 - 0.2 m	Strong brown (7.5YR4/6-Moist); ; Clay loam, fine sandy; 0-2%, medium gravelly, 6-20mm, subangular, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , , , ; Gradual change to -
B21	0.2 - 0.6 m	Yellowish red (5YR5/6-Moist); ; Sandy clay; 0-2%, medium gravelly, 6-20mm, subangular, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules;

Morphological Notes

Observation Notes

Uniform sandy red profile, Podzolic Red Earth similar to AN181

Site Notes

Owner J.O.Reardon RMB 67 Old Sunee Good wheat crop

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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	5.12B		5.34K	0.96	0.82				
0.1 - 0.2	6.26B		5.04K	0.88	0.51				
0.2 - 0.3	5.83B		5.51K	0.91	0.43	0.01			
0.3 - 0.4	6.07B		5.57K	0.91	0.4	0.03			
0.4 - 0.5	6.35B								

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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_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