

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN206 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Cooraddinia
Date Desc.:	16/05/89	Elevation:	300 metres
Map Ref.:	Sheet No. : 8326 1:100000	Rainfall:	No Data
Northing/Long.:	6067600 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	525500 Datum: AGD66	Drainage:	Imperfectly 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 rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	20 metres
Elem. Type:	Footslope	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	270 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:	Gn4.34
		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 (7.5YR4/2-Moist); ; Clay loam, fine sandy; Gradual change to -
A2	0.2 - 0.3 m	Brown (7.5YR4/4-Moist); Light brown (7.5YR6/4-Dry); ; Clay loam; Gradual change to -
B21	0.3 - 0.6 m	Strong brown (7.5YR4/6-Moist); ; Clay loam; Gradual change to -
B22	0.6 - 0.8 m	Strong brown (7.5YR4/6-Moist); ; Fine sandy clay;

Morphological Notes

Observation Notes

Site Notes

Good growth of Patterson's curse in old stubble paddock on footslope 1km from crest of rise to east.

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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	5.33B		9.24K	1.26	0.1	0.15			
0.1 - 0.2	4.65B		5.4K	0.86	0.4	0.12			
0.2 - 0.3	4.81B		4.46K	0.92	0.19	0.09			
0.3 - 0.4	4.96B		4.45K	1	0.19	0.08			
0.4 - 0.5	5.08B								
0.7 - 0.8	5.1B								

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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