

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN129 **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.:	6096700 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	524600 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:	15 metres
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	270 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	GN3.14
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

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 brown (7.5YR3/4-Moist); ; Fine sandy loam;
A2	0.1 - 0.4 m	Strong brown (7.5YR4/6-Moist); ; Fine sandy loam (Heavy);
B21	0.4 - 0.8 m	Yellowish red (5YR4/6-Moist); ; Fine sandy clay;

Morphological Notes

Observation Notes

Very good crop of clover>>grasses, no lime, crops every 7 to 8 years, no sprays. Gradational red profile. Red Earth? Podzolic Red Earth? Like a red earth with ??? profile differentiation - not particularly sandy.

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	4.48B		2.44K	0.45	0.29	0.04			
0.1 - 0.2	4.67B		2.71K	0.55	0.23	0.04			
0.2 - 0.3	4.79B		2.31K	0.63	0.14	0.02			
0.3 - 0.4	4.92B		9.22K	0.98	0.15	0.03			
0.4 - 0.5	5.04B								
0.7 - 0.8	5.53B								

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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