

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN144 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	29/09/88	Elevation:	270 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6078500 AMG zone: 55	Runoff:	Moderately rapid
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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	30 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	45 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:	DY3.41
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, 0.51-1m, 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); ; Fine sandy loam; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;
A2	0.1 - 0.3 m	Yellowish brown (10YR5/4-Moist); Light brownish grey (10YR6/2-Dry); ; Fine sandy loam (Heavy); Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Nodules;
B21	0.3 - 0.8 m	Brownish yellow (10YR6/8-Moist); , 10YR64, 10-20% , 15-30mm, Distinct; Sandy light clay; Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Nodules;

Morphological Notes

A2	Pale A2.
B21	Red mottles associated with nodules.

Observation Notes

Middle of long slope from hills 2km to SW, very good lupins crop. Duplex yellow profile, A2, no CO3. Yellow Podzolic.

Site Notes

Henty

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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	4.05B		0.72K	0.18	0.29	0.03			
0.1 - 0.2	4.13B		0.5K	0.12	0.2	0.03			
0.2 - 0.3	4.6B		1.78K	0.55	0.18				
0.3 - 0.4	5.15B		3.91K	1.72	0.25	0.11			
0.4 - 0.5	5.52B								
0.7 - 0.8	5.52B								

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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