

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN248 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Morven
Date Desc.:	19/05/89	Elevation:	300 metres
Map Ref.:	Sheet No. : 8326 1:100000	Rainfall:	No Data
Northing/Long.:	6059900 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	508100 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 low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Lower-slope	Relief:	30 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5 %	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:	Dy3.41
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

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	Reddish brown (5YR4/4-Moist); ; Fine sandy loam; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Gradual change to -
A2e	0.1 - 0.3 m	Yellowish red (5YR5/6-Moist); ; Fine sandy loam; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Sharp change to -
A2e	0.3 - 0.5 m	Brownish yellow (10YR6/6-Moist); ; Clayey sand; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; Sharp change to -
B21	0.5 - 0.8 m	Yellowish brown (10YR5/8-Moist); , 10YR64, 10-20% , 5-15mm, Distinct; , 5YR56, 10-20% , 5-15mm, Distinct; Sandy light clay; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

Direct drill seeded lupins in stubble.

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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	4.13B		0.83K	0.21	0.84	0.04			
0.1 - 0.2	4.04B		0.58K	0.13	0.43	0.03			
0.2 - 0.3	4.28B		1.28K	0.21	0.25				
0.3 - 0.4	4.86B		1.36K	0.22	0.12	0.01			
0.4 - 0.5	5.35B								
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