

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV13 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	31/05/88	Elevation:	155 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	5988200 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	446900 Datum: AGD66	Drainage:	Poorly 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	2 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0.2 %	Aspect:	No Data

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:	DY
		Great Soil Group:	N/A

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Tall Strata - Sod grass, <0.25m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;
B1	0.15 - 0.3 m	Brown (10YR5/3-Moist); Dark yellowish brown (10YR4/6-Moist); ; Light clay; Common (10 - 20 %), Unidentified, Coarse (6 - 20 mm), Nodules;
B21	0.3 - 0.6 m	Brown (10YR5/3-Moist); Dark yellowish brown (10YR4/6-Moist); ; Light clay; Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Nodules;
B22	0.6 - 0.8 m	Brown (10YR5/3-Moist); , 10YR46, 10-20% , 5-15mm, Prominent; Medium heavy clay; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;

Morphological Notes

B1	Many nodules associated with mottling.
B21	Many nodules associated with mottling.
B22	Many nodules associated with mottling.

Observation Notes

No lime or super for last 10 years. Clover and grass paddock. Heavy Rutherglen loam.

Site Notes

Boralma

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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	5.19B		8.58K	5.34	0.7	0.62			
0.1 - 0.2	5.05B		6.76K	4.78	0.59	0.53			
0.2 - 0.3	5.32B		5.7K	4.22	0.51	0.49			
0.3 - 0.4	5.58B		5.05K	4.34	0.42	0.69			
0.4 - 0.5	5.67B								
0.7 - 0.8	6.2B								

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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