

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV9 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	31/05/88	Elevation:	150 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	6000700 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	445300 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Crest	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:	DB
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

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	Brown (7.5YR4/3-Moist); ; Loam;
A2	0.15 - 0.3 m	Yellowish red (5YR4/6-Moist); Light brown (7.5YR6/4-Dry); ; 7.5YR52, 10-20% , 5-15mm, Faint; Silty loam; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B21	0.3 - 0.5 m	Strong brown (7.5YR4/6-Moist); ; 10YR62, 10-20% , 5-15mm, Prominent; Light clay; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B22	0.5 - 0.8 m	Yellowish red (5YR4/6-Moist); ; Light clay; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;

Morphological Notes

A2 Not bleached

Observation Notes

John McMahon's grazing paddock. Sited on 1m rise of locally undulating plain possibly gilgais. Similar to RL, duplex red brown soil, better drained, Rutherglen Loam? But no bleaching of A2. Non calcareous brown soil.

Site Notes

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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	4.23B		2.4K	0.61	0.94	0.06			
0.1 - 0.2	4.11B		2.47K	0.68	0.64	0.16			
0.2 - 0.3	4.72B		2.9K	2.04	0.5	0.55			
0.3 - 0.4	5.51B		4.19K	3.55	0.58	1.16			
0.4 - 0.5	5.89B								
0.7 - 0.8	7.12B								

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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