Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AV6** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By: C.J. Chartres
Date Desc.: 30/05/88
Map Ref.: Sheet No. : 8125 1:100000
Northing/Long.: 5991700 AMG zone: 55
Easting/Lat.: 447300 Datum: AGD66
Locality:
Elevation: 158 metres
Rainfall: No Data
Runoff: Very slow
Drainage: Imperfectly drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0.2 %
Pattern Type: Plain
Relief: 2 metres
Slope Category: Level
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: DN
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 - 0.1 m	Very dark brown (10YR2/2-Moist); ; Loam; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Concretions;
A2	0.1 - 0.18 m	Brown (10YR4/3-Moist); Pale brown (10YR6/3-Dry); ; Clay loam, fine sandy; Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Nodules;
B22	0.18 - 0.6 m	Yellowish brown (10YR5/6-Moist); ; Light clay; Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Nodules;
B23	0.6 - 0.8 m	Yellowish brown (10YR5/6-Moist); ; Medium clay; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Nodules;

Morphological Notes

A2 Almost Bleached

Observation Notes

3 km from hills, grazing paddock, grasses and radish weed. Rutherglen Loam

Site Notes

Coralma

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.1	4.18B		3.12K	0.75	0.51	0.42				
0.1 - 0.2	3.97B		1.49K	0.44	0.32	0.27				
0.2 - 0.3	4.1B		1.92K	1.15	0.27	0.24				
0.3 - 0.4	4.4B		3.34K	3.58	0.31	0.57				
0.4 - 0.5	4.58B									
0.7 - 0.8	5.63B									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1												
0.1 - 0.2												
0.2 - 0.3												
0.3 - 0.4												
0.4 - 0.5												
0.7 - 0.8												

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3						mm/h	mm/h
0 - 0.1									
0.1 - 0.2									
0.2 - 0.3									
0.3 - 0.4									
0.4 - 0.5									
0.7 - 0.8									

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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