Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AV24** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By: C.J. Chartres
Date Desc.: 01/06/88
Map Ref.: Sheet No. : 8125 1:100000
Northing/Long.: 5993900 AMG zone: 55
Easting/Lat.: 437800 Datum: AGD66
Locality:
Elevation: 145 metres
Rainfall: No Data
Runoff: 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: GN
Great Soil Group: N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, <0.25m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.18 m	Dark brown (7.5YR3/2-Moist); ; Loam; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;
A2	0.18 - 0.3 m	Strong brown (7.5YR5/6-Moist); Light brown (7.5YR6/4-Dry); , 7.5YR62, 10-20% , 0-5mm, Distinct; Clay loam; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;
B2	0.3 - 0.5 m	Yellowish red (5YR5/8-Moist); , 10YR64, 2-10% , 5-15mm, Distinct; Light clay; Very few (0 - 2 %), Unidentified, Coarse (6 - 20 mm), Nodules;
B3	0.5 - 0.8 m	Yellowish brown (10YR5/6-Moist); ; Light clay; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;

Morphological Notes

A2 Not Bleached

Observation Notes

Stubble paddock not limed. Very slightly undulating plain, 2-3m relief, drainage line to NE. Gradation soil similar, but sl. Redder than Rutherglen loam and sl. Finer.

Site Notes

Boorhaman East

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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	4.46B		2.28K	0.98	0.58	0.18				
0.1 - 0.2	4.12B		1.87K	0.94	0.27	0.22				
0.2 - 0.3	4.76B		2.48K	3.26	0.35	0.98				
0.3 - 0.4	5.64B		3.75K	6.28	0.59	2.05				
0.4 - 0.5	6.51B									
0.7 - 0.8	7.4B									

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