Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AV41** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By: C.J. Chartres
Date Desc.: 02/06/88
Map Ref.: Sheet No. : 8025 1:100000
Northing/Long.: 5978000 AMG zone: 55
Easting/Lat.: 399500 Datum: AGD66
Locality:
Elevation: 145 metres
Rainfall: No Data
Runoff: Moderately rapid
Drainage: Moderately well 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 %
Pattern Type: Plain
Relief: 1 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: DY
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 - 0.1 m	Brown (7.5YR4/4-Moist); ; Loamy coarse sand; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
A2	0.1 - 0.6 m	Yellowish brown (10YR5/4-Moist); Light brown (7.5YR6/4-Dry); ; Loamy coarse sand; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B21	0.6 - 0.8 m	Yellowish red (5YR5/6-Moist); , 10YR72, 2-10% , 15-30mm, Distinct; Light clay;

Morphological Notes

A2 Not bleached.

Observation Notes

John Love 20m box trees on sandy rise. Grass paddock previous crop very patchy no yield on top of rises. Very deep coarse sand over clay duplex soil.

Site Notes

Devenish

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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	4.01B		0.8K	0.24	0.3	0.05				
0.1 - 0.2	3.93B		0.58K	0.13	0.16	0.06				
0.2 - 0.3	4.08B		0.48K	0.09	0.11	0.05				
0.3 - 0.4	4.3B		0.65K	0.12	0.11	0.05				
0.4 - 0.5	5.33B									
0.7 - 0.8	5.01B									

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