Acids Soils in South Eastern Australia **Project Name:**

Project Code: Site ID: AV73 Observation ID: 1 AcidSoils

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: Date Desc.: Locality: C.J. Chartres

Elevation: 23/08/88 140 metres Sheet No.: 8125 1:100000 Map Ref.: Rainfall: No Data Northing/Long.: 6002500 AMG zone: 55 Runoff: Moderately rapid

Moderately well drained Easting/Lat.: 411300 Datum: AGD66 Drainage:

Geology

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

Land Form

Rel/Slope Class: Gently undulating plains <9m Pattern Type: Rises

Mid-slope Morph. Type: Relief: 10 metres Elem. Type: Hillslope Slope Category: Very gently sloped Slope: Aspect: 360 degrees 2 %

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A N/A **Principal Profile Form:** DR **ASC Confidence: Great Soil Group:** N/A

Confidence level not specified

Site Disturbance: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Dark brown (7.5YR3/4-Moist); ; Sandy loam; 0 - 0.2 m B21 0.2 - 0.5 m Red (2.5YR4/6-Moist); ; Medium clay (Heavy);

0.5 - 0.8 m ВЗ Red (2.5YR4/6-Moist); , 10YR68, 10-20% , 5-15mm, Distinct; Medium clay;

Morphological Notes

Stoney CaCO3 nodules

Observation Notes

Tom Symonds. Ploughed paddock. Red duplex soil, CO3. RBE.

Site Notes

Wilby

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Laboratory Test Results:

Depth	рН	1:5 EC		hangeable			xchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	К	Na Cmol (+)	Acidity /kg			%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.55B 4.61B 5.04B 5.59B 6.89B 7.66B		4.18K 3.78K 5.52K 6.23K	2.05 2.2 9.14 11.13	0.6 0.53 0.63 0.65	0.21 0.26 1.41 1.94				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Partic GV C	le Size	Analysis 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		Grav	imetric/Vo	olumetric V	Vater Cont	ents		K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar g - m3/m	1 Bar 3	5 Bar 15 I		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

Extractable Min(%) - Not recorded

Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded

Exch. basic cations (K++) - meq per 100g of soil - Not recorded

Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded

Exch. basic cations (Na++) - meq per 100g of soil - Not recorded

pH of 1:5 soil/0.01M calcium chloride extract - direct 15_NR_CA 15_NR_K 15_NR_MG 15_NR_NA