Project Name: Acids Soils in South Eastern Australia

Project Code: Site ID: AV95 Observation ID: 1 AcidSoils

Agency Name: CSIRO Land and Water (ACT)

Site Information

Locality: C.J. Chartres

Desc. By: Date Desc.: Elevation: 25/08/88 130 metres Sheet No.: 8025 1:100000 Map Ref.: Rainfall: No Data Northing/Long.: 5997800 AMG zone: 55 Runoff: Slow

396500 Datum: AGD66 Imperfectly drained Easting/Lat.: Drainage:

Geology

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

Land Form

Rel/Slope Class: Level plain <9m <1% Pattern Type: Plain Morph. Type: Flat Relief: 1 metres Elem. Type: Slope Category: Plain Level No Data Slope: 0 % Aspect:

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

Confidence level not specified

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, 0.26-0.5m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

0 - 0.2 m Brown (10YR4/3-Moist); ; Clay loam (Heavy); 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse Ap

fragments; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Concretions;

Brown (10YR4/3-Moist); ; Light clay; B21 0.2 - 0.3 m

B22 0.3 - 0.8 m Yellowish brown (10YR5/4-Moist); , 7.5YR42, 10-20% , 5-15mm, Distinct; Medium heavy clay;

Morphological Notes

B22 CO3 nodules

Observation Notes

Cereal crop patchy with yellowing. Surface cracking, brownish clay, no CO3? RBE/ Brown Clay inter?? BC?

Site Notes

Tungamah

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Laboratory Test Results:

Laboratory	rest Re	suits.								
Depth	рН	1:5 EC		nangeable Vig	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m		J		Cmol (+				%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	5B 4.99B 6.01B 6.79B 7.19B 7.65B		6.34K 6.52K 7.13K 8.28K	3.36 3.41 4.68 6.23	1.02 0.82 0.75 0.8	0.69 0.9 1.6 2.77				
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Tota K %	I Bulk Density Mg/m3	Par GV	rticle Size CS FS	Analysis Silt Clay
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 Con	itents		K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar g - m3/m	1 Bar 3	5 Bar 15 I	Bar	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