Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AV32 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:C.J. ChartresLocality:Date Desc.:01/06/88Elevation

 Date Desc.:
 01/06/88
 Elevation:
 125 metres

 Map Ref.:
 Sheet No.: 8025
 1:100000
 Rainfall:
 No Data

 Northing/Long.:
 6010100 AMG zone: 55
 Runoff:
 Slow

Easting/Lat.: 400200 Datum: AGD66 Drainage: Imperfectly drained

Geology

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

Land Form

 Rel/Slope Class:
 Level plain <9m <1%</th>
 Pattern Type:
 Plain

 Morph. Type:
 Flat
 Relief:
 1 metres

 Elem. Type:
 Plain
 Slope Category:
 Level

 Slope:
 0 %
 Aspect:
 No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:DRASC Confidence:Great Soil Group:N/A

Confidence level not specified

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Tall Strata - Sod grass, <0.25m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap 0 - 0.22 m Dark reddish brown (5YR3/4-Moist); ; Fine sandy loam (Heavy);

B2 0.22 - 0.6 m Red (2.5YR4/6-Moist); ; Light clay;

B22 0.6 - 0.8 m Red (2.5YR4/6-Moist); ; Light medium clay;

Morphological Notes

B22 Rare fine diffuse, CO3 eff

Observation Notes

Greg Cummins grass and clover paddock near Tony Ellingtons trial. RBE similar to R3

Site Notes

Burramine South

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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	4.51B 4.53B 5.32B 6.21B 6.69B 6.15B		2.02K 2.41K 3.96K 5.4K	0.57 0.75 3.2 6.29	0.78 0.49 0.59 0.72	0.09 0.09 0.34 0.71				
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Tota K %	l Bulk Density Mg/m3	Pa 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 Co	ntents		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