Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN2 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: G. W. Geeves Locality:

Date Desc.: 21/06/88 Elevation: 215 metres Map Ref.: Sheet No.: 8326 1:100000 Rainfall: No Data 6054100 AMG zone: 55 Runoff: Northing/Long.: Very slow 503700 Datum: AGD66 Easting/Lat.: Drainage: Poorly 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:
 2 metres

 Elem. Type:
 Plain
 Slope Category:
 Level

 Slope:
 0.1 %
 Aspect:
 No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:DY3.11ASC 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 - 0.13 m
 Brown (10YR4/3-Moist); ; Silty clay loam;

 B1
 0.13 - 0.28 m
 Yellowish red (5YR5/8-Moist); , 10YR53, 10-20% , 5-15mm, Distinct; Light clay;

 B21
 0.28 - 0.6 m
 Yellowish brown (10YR5/6-Moist); , 10YR64, 2-10% , 0-5mm, Distinct; Medium clay;

B22 0.6 - 0.8 m Yellowish brown (10YR5/6-Moist); , 10YR42, 2-10% , 15-30mm, Distinct; Medium clay;

Morphological Notes

Observation Notes

Colin Gardiner. Very flat on undulating plain, 2m relief. Grazing paddock, mod clover, grasses & broadleaf weeds, 20m box trees. No erosion evident. No coarse frags. Light medium brown clay profile, no CO3, no A2, Soloth? Brown Clay, Y Pod.

Site Notes

Culcairn

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Laboratory Test Results:

Eddoratory Foot Rodato.										
Depth	pН	1:5 EC		hangeable Cations Mg K		Exchangeable Na Acidity		CEC	ECEC	ESP
m		dS/m		5		Cmol (+)/kg				%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.79B 4.2B 4.13B 4.07B 4.11B 4.84B		6.5K 3.38K 3.7K 3.44K	2.24 4.74 6.22 7.52	0.61 0.35 0.36 0.43	0.18 0.4 0.56 0.85				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Part GV (icle Size	Analysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3		%	J J,
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/V	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	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

15_NR_AL Exchangeable aluminium - method not recorded

Exchangeable aluminium - method 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

4B1