Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN91 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: G. W. Geeves Locality: Date Desc.: 09/08/88 Elevation

 Date Desc.:
 09/08/88
 Elevation:
 300 metres

 Map Ref.:
 Sheet No.: 8328
 1:100000
 Rainfall:
 No Data

 Northing/Long.:
 6158900 AMG zone: 55
 Runoff:
 Moderately rapid

Easting/Lat.: 529700 Datum: AGD66 Drainage: Moderately well 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:Undulating plains <9m 3-10%</th>Pattern Type:Low hillsMorph. Type:Lower-slopeRelief:15 metresElem. Type:FootslopeSlope Category:Very gently slopedSlope:2 %Aspect:180 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:GN2.11ASC Confidence:Great Soil Group:N/A

Confidence level not specified

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

A1 0 - 0.1 m Dark reddish brown (5YR3/3-Moist); ; Fine sandy loam (Heavy);

A2 0.1 - 0.3 m Red (2.5YR4/6-Moist); ; Sandy clay loam, fine sandy;

B21 0.3 - 0.6 m Red (2.5YR4/8-Moist); ; Clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subangular, Quartz,

coarse fragments;

B22 0.6 - 0.8 m Strong brown (7.5YR5/6-Moist); ; Sandy clay; 0-2%, fine gravelly, 2-6mm, subangular, Quartz,

coarse fragments;

Morphological Notes

A2 Pale A2.

Observation Notes

Glen Iris. Oats crop. Gradational profile, no CO3. Red Earth.

Site Notes

Coolamon

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Laboratory Test Results:

Depth	рН	1:5 EC	Exchangeable				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	4.74B 4.2B 4.49B 4.94B 5.27B 5.02B		5.98K 2.39K 2.93K 3.6K	1.27 0.62 0.98 1.66	1.6 1.26 1.18 1.21	0.03 0.03 0.11 0.12				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Partic		Analysis Silt Clay
m 0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	%	%	mg/kg	%	%	%	Mg/m3		%	
Depth	COLE Gravimetric/Volumetric \				Water Contents			K sat	K unsat	
m		Sat.	0.05 Bar		0.5 Bar g - m3/m	1 Bar 3	5 Bar 15 B		nm/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