Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN119 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: G. W. Geeves Locality:

Date Desc.: 27/09/88 Elevation: 220 metres Sheet No.: 8327 1:100000 Map Ref.: Rainfall: No Data 6106500 AMG zone: 55 Runoff: Moderately rapid Northing/Long.: 536300 Datum: AGD66 Imperfectly drained Easting/Lat.: Drainage:

Geology

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

Land Form

Rel/Slope Class: Gently undulating rises 9-30m Pattern Type: Rises

1-3%

Morph. Type:Lower-slopeRelief:15 metresElem. Type:HillslopeSlope Category:Very gently slopedSlope:2 %Aspect:270 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:DY3.41

ASC Confidence: Great Soil Group: Yellow podzolic soil

Confidence level not specified

Site Disturbance: Cultivation. Rainfed

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1 0 - 0.1 m Brown (10YR5/3-Moist); ; Fine sandy loam; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm),

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

A2 0.1 - 0.4 m Very pale brown (10YR7/3-Moist); Light grey (10YR7/2-Dry); ; Fine sandy loam; Common (10 - 20

%), Manganiferous, Coarse (6 - 20 mm), Nodules; Common (10 - 20 %), Aluminous, Coarse (6 -

20 mm), Nodules;

B21 0.4 - 0.8 m Light brownish grey (10YR6/2-Moist); , 7.5YR58, 20-50% , 5-15mm, Distinct; Sandy clay; 0-2%,

fine gravelly, 2-6mm, subrounded, Sand, coarse fragments; Very few (0 - 2 %), Manganiferous,

Medium (2 -6 mm), Nodules;

Morphological Notes

A2 Conspicuous bleached A2.

Observation Notes

Grazing paddock, poor cover, grasses>broadleafs. Lower slope 500m from crest to crest. Bleached A2, no CO3, duplex yellow profile. Yellow Podzolic

Site Notes

Wagga Wagga

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Project Name: Project Code: Agency Name:

Laboratory Test Results:

Depth	pH	1:5 EC	Exc	hangeable	Cations	E	xchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	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	4.53B 4.28B 4.05B 4.12B 4.37B 4.79B		2.11K 0.86K 0.53K 0.87K	0.26 0.14 0.11 0.22	0.43 0.26 0.16 0.12	0.18 0.07 0.02 0.04				
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Par GV	ticle Size	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 Cont	ents		K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/	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