Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN227 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

 Desc. By:
 G. W. Geeves
 Locality:
 Coffin Rock

 Date Desc.:
 17/05/89
 Elevation:
 300 metres

 Map Ref.:
 Sheet No.: 8428
 1:100000
 Rainfall:
 No Data

 Northing/Long.:
 6158300 AMG zone: 55
 Runoff:
 Slow

Easting/Lat.: 548800 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:Undulating rises 9-30m 3-10%Pattern Type:RisesMorph. Type:No DataRelief:5 metresElem. Type:PlainSlope Category:LevelSlope:0 %Aspect:No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:Gn2.12ASC 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:

Profile Morphology

Ap 0 - 0.2 m Dark brown (7.5YR3/4-Moist); ; Fine sandy loam (Heavy); Gradual change to - 0.2 - 0.4 m Reddish brown (5YR4/4-Moist); ; Clay loam, fine sandy; Gradual change to -

B22 0.4 - 0.8 m Yellowish red (5YR4/6-Moist); ; Sandy clay;

Morphological Notes

Observation Notes

Gradational Red profile. No CO3. Hardsetting earthy pedal fabric. Red Earth with not much sand ie. Loamy red earth not bright

red.

Site Notes

Owner: Alan Limbeck. Young cereal crop on flat site. 800 m. from 20 m. rise to north.

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Laboratory Test Results:

Laboratory	1031110	Juito.								
Depth	pН	1:5 EC		changeable Cations Mg K		Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				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	4.26B 4.26B 4.95B 5.51B 5.74B 6.42B		3.59K 4.1K 5.44K 6.88K	0.7 0.83 1.46 1.98	0.77 0.64 0.54 0.33	0.06 0.07				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Parti	cle Size	Analysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3		%	•
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	tents		K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15 B		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

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