

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV65 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	23/08/88	Elevation:	205 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	5990300 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	417200 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 rises 9-30m 3-10%	Pattern Type:	Low hills
Morph. Type:	Lower-slope	Relief:	20 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	270 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	GN
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, 0.26-0.5m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.2 m	Dark reddish brown (5YR3/2-Moist); ; Fine sandy loam; 2-10%, medium gravelly, 6-20mm, subangular, coarse fragments;
B21	0.2 - 0.6 m	Red (2.5YR4/6-Moist); ; Medium clay; 2-10%, medium gravelly, 6-20mm, subangular, coarse fragments;
B22	0.6 - 0.8 m	Yellowish red (5YR4/6-Moist); ; Medium clay;

Morphological Notes

B21	Boundary with above horizon not strong
B22	No CO3

Observation Notes

Patchy wheat crop yellowing and poor. Similar to 64 but more gradational boundary. No CO3. Red podzolic? But no real A2.

Site Notes

Boweya North

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.1	5.4B		8.11K	4.43	0.77	0.53			
0.1 - 0.2	5.07B		4.36K	3.66	0.52	0.59			
0.2 - 0.3	4.82B		1.97K	6.55	0.5	1.24			
0.3 - 0.4	5.18B		1.96K	10.03	0.65	2.47			
0.4 - 0.5	5.77B								
0.7 - 0.8	5.77B								

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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_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct