

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV60 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	23/08/88	Elevation:	135 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	6010800 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	417300 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	2 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

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:	DY
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.2 m	Brown (7.5YR4/2-Moist); ; Fine sandy loam; Very few (0 - 2 %), Ferromanganiferous, Medium (2 - 6 mm), Concretions;
A2	0.2 - 0.3 m	Reddish brown (5YR4/3-Moist); Light brown (7.5YR6/4-Dry); ; Fine sandy loam; Few (2 - 10 %), Ferromanganiferous, Coarse (6 - 20 mm), Concretions;
B1	0.3 - 0.4 m	Brown (7.5YR5/4-Moist); ; Light clay; Few (2 - 10 %), Ferromanganiferous, Coarse (6 - 20 mm), Concretions;
B21	0.4 - 0.8 m	Brown (7.5YR4/4-Moist); ; Light medium clay;

Morphological Notes

A2 Not bleached

Observation Notes

Patchy wheat copping, yellowing and poor. No CO3. Duplex yellow soil, sandy surface. Yellow podzolic? But pH 7.05 at B2.

Site Notes

Bathumi

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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	4.75B		3.83K	1.04	1.18	0.06			
0.1 - 0.2	4.51B		1.94K	0.71	0.61	0.04			
0.2 - 0.3	4.79B		1.37K	0.69	0.41	0.04			
0.3 - 0.4	5.53B		2.07K	2.3	0.69	0.1			
0.4 - 0.5	6.53B								
0.7 - 0.8	7.05B								

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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