

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV66 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	23/08/88	Elevation:	180 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	5989200 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	412800 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:	250 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

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 - 0.1 m	Dark brown (10YR3/3-Moist); ; Loamy sand;
A2	0.1 - 0.3 m	Brown (7.5YR5/4-Moist); Light brown (7.5YR6/4-Dry); ; Sandy loam (Heavy);
B2	0.3 - 0.8 m	Yellowish brown (10YR5/6-Moist); , 10YR32, 10-20% , 5-15mm, Distinct; , 5YR56, 10-20% , 5-15mm, Distinct; Medium clay (Heavy);

Morphological Notes

A2	Pale A2
B2	No CO3

Observation Notes

george Symonds. Patchy wheat crop and capeweed. Lower slope possible granite outcrop on crest 800m east. Duplex yellow clay soil. No CO3.

Site Notes

Almonds

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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 Cmol (+)/kg	Acidity		%
0 - 0.1	4.7B		2.5K	0.64	0.86	0.11			
0.1 - 0.2	4.19B		2.12K	0.36	0.51	0.1			
0.2 - 0.3	4.43B		3.21K	1.44	0.3	0.12			
0.3 - 0.4	4.95B		8.17K	4.64	0.55	0.37			
0.4 - 0.5	6.14B								
0.7 - 0.8	6.94B								

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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