

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AN146 **Observation ID:** 1  
**Agency Name:** CSIRO Land and Water (ACT)

**Site Information**

<b>Desc. By:</b>	G. W. Geeves	<b>Locality:</b>	
<b>Date Desc.:</b>	29/09/88	<b>Elevation:</b>	280 metres
<b>Map Ref.:</b>	Sheet No. : 8327 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6077700 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	507800 Datum: AGD66	<b>Drainage:</b>	Moderately well drained

**Geology**

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

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	10 metres
<b>Elem. Type:</b>	Hillcrest	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	1 %	<b>Aspect:</b>	300 degrees

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	N/A	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	Confidence level not specified	<b>Principal Profile Form:</b>	DR2.22
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:** Complete clearing. Pasture, native or improved, cultivated at some stage

**Vegetation:**

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

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

Ap	0 - 0.1 m	Dark reddish brown (5YR3/3-Moist); ; Fine sandy loam; 10-20%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; 10-20%, medium gravelly, 6-20mm, angular tabular, Stabilised soil, coarse fragments;
A2	0.1 - 0.3 m	Red (2.5YR4/6-Moist); Red (2.5YR4/6-Dry); ; Fine sandy loam; 10-20%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; 10-20%, medium gravelly, 6-20mm, angular tabular, Stabilised soil, coarse fragments;
B21	0.3 - 0.8 m	Dark red (2.5YR3/6-Moist); ; Sandy clay; 10-20%, coarse gravelly, 20-60mm, rounded, Quartz, coarse fragments; 10-20%, coarse gravelly, 20-60mm, angular tabular, Stabilised soil, coarse fragments;

**Morphological Notes**

A2	Shaley, not bleached.
B21	Shaley.

**Observation Notes**

Owner has put in 3 open time trials up to 3t/ha four years ago. No visual response (inc 4inches) on podzolic country. Crest of rise, good clover, better than grass. Duplex red shaley profile, no CO3. Looks like RBE, Red Podzolic?

**Site Notes**

Wagga Wagga

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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
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