

Site code¹ BD3



Grey soils on gentle rises

Location Dunnstown
Landform Gently undulating rises
Geology Quaternary basalt
Element Terrace plain
Slope 1-2%

Horizon	Depth (cm)	Description
A1	0-33	Black (Gley1 2.5/N); clay loam; moderate structure; friable; pH 6.0; gradual boundary to:
B2	33-100+	Black (5Y2.5/1); light clay; weak structure; hardsetting; pH 7.0.

Management considerations

This soil is only suitable for growing pastures, as it is too wet or too salty for cropping. The growth of pasture is often mediocre because of salting or waterlogging, but, where salting is not a problem, spring growth can be very good on this soil. The installation of surface drains greatly improves the growth of pasture, especially in winter. The excellent water holding capacity of this soil allows pastures to remain green much later into the summer than on other soils. This soil is too wet in winter for lucerne.



Melanic, Eutrophic, Black Kandosol

¹ Source: Clarkson T (unpublished) Soils collected in the Ballarat district. DNRE

Analytical data²

Site BD3	Sample depth cm	pH		EC	NaCl	Ex Ca	Ex Mg	Ex K	Ex Na	Ex Al	Ex Acidity	FC	PWP	KS	FS	Z	C
		H ₂ O	CaCl ₂	dS/m	%	cmol _c /kg	cmol _c /kg	cmol _c /kg	cmol _c /kg	mg/kg	cmol _c /kg	-10kPa	-1500kPa	%	%	%	%
A1	0-10	7.2	6.2	0.10		6.8	8.9	0.2	1.0	<10	N/R	N/R	N/R	N/R	N/R	N/R	N/R

² Source: Government of Victoria State Chemistry Laboratory.