

# Soil Descriptions for GrassGro

Locality	Lat	Long	Soil Type	Texture Class		Cumul. Depth (mm)		Field Capacity		Wilting Point		Bulk Density		Sat. Hyd. Cond.		Alpha	Source
	S	E		Topsoil	Subsoil	Topsoil	Subsoil	Topsoil	Subsoil	Topsoil	Subsoil	Topsoil	Subsoil	Topsoil	Subsoil		
Standard sites						mm	mm	0-1	0-1	0-1	0-1	g/cm <sup>3</sup>	g/cm <sup>3</sup>	mm/hr	mm/hr	mm/d <sup>0.5</sup>	
Armidale			Db4.22	FSCL	HC	350	1200	0.30	0.43	0.15	0.31	1.70	1.48	100	10	3.8	Greenwood (1996)
Armidale			Dy5.42	SCL	HC	260	1800	0.31	0.36	0.11	0.30	1.61	2.00	86	14	3.8	Greenwood (1996)
Armidale			Gn4.12	CL	LC	530	1200	0.30	0.33	0.14	0.18	1.56	1.75	100	100	3.8	Greenwood (1996)
Armidale			Gn4.82	CL	LC	180	1200	0.33	0.37	0.17	0.26	1.35	1.80	100	10	3.8	Greenwood (1996)
Bathurst			Dd2.23	SL-SCL	MC-HC	250	1000	0.19	0.35	0.08	0.22	1.60	1.32	13	1.4	3.5	OWRU Bathurst
Bombala ("Byamba")				SL	SCL	400	700	0.20	0.11	0.05	0.04	1.56	1.66	22	3.0	3.5	Measured by PI
Bombala ("Myama")				SL	C	260	1100	0.39	0.39	0.11	0.24	1.10	1.45	27.9	5.7	3.5	Measured by PI
Bombala/Nimmit. ("Inverlochie")				C	C	100	1200	0.32	0.46	0.23	0.32	1.04	1.11	184.9	122	3.4	Measured by PI
Canberra (Rosewood SRE)			Gn2.24	SL	C	260	400	0.27	0.22	0.09	0.11	1.27	1.55	100	100	3.5	Measured by PI
Canberra (Rosewood MDYP)			Dy3.42	SL	C	300	1000	0.31	0.38	0.09	0.28	1.17	1.45	30	3.0	3.5	Measured by PI
Canberra				FSL	MC	350	1000	0.32	0.26	0.08	0.18	1.21	1.69	194	19	3.5	Measured by PI
Cowra			Dr2.22	SL	MC	380	800	0.19	0.16	0.05	0.06	1.69	1.70	100	30	3.5	Geeves et al site 2
Cowra			Dy2.43	SL	SC	350	1000	0.23	0.18	0.09	0.08	1.41	1.60	300	300	3.5	Geeves et al site 3
Esperance			Dy4.43	FS	LC	300	2500	0.11	0.28	0.03	0.17	1.40	1.65	80	1.0	3.3	NLWRA Lake Warden
Esperance			Dy5.82	FS	SC	550	2500	0.11	0.28	0.03	0.17	1.40	1.65	80	1.0	3.3	NLWRA Lake Warden
Esperance			Uc2.21	FS	Clayey FS	1200	2500	0.11	0.16	0.03	0.07	1.40	1.65	80	1.5	3.3	NLWRA Lake Warden
Glen Innes			Ug5.15	C	C	250	1000	0.38	0.42	0.23	0.23	1.35	1.49	1.0	0.3	3.4	Zulfi Jahufer-thesis
Goulburn			Dr3.81	SL	MC	150	1000	0.30	0.41	0.11	0.31	1.30	1.56	7.0	0.5	3.5	OWRU Goulburn Hill A
Goulburn			Dy2.81	SL	MC	300	1000	0.31	0.30	0.14	0.23	1.77	1.63	1.5	0.5	3.5	OWRU Goulburn Hill B
Goulburn			Uc5.21	LS	LS	250	1000	0.21	0.21	0.07	0.07	1.33	1.33	80	80	3.3	OWRU Goulburn Hill C
Hamilton				SICL	C	250	1000	0.32	0.48	0.13	0.33	1.06	1.33	8.3	1.0	3.5	
Holbrook				L	MC	350	800	0.31	0.35	0.20	0.26	1.40	1.49	9.0	56	4.2	Measured by PI
Katanning			Dy3.42	LS	C	300	1000	0.27	0.30	0.13	0.20	1.40	1.70	30	3.0	3.3	McKenzie & Jacquier DB
Kybybolite			Dy5.43			200	1200	0.25	0.27	0.10	0.18	1.40	1.80	30	0.1	3.3	McKenzie & Jacquier DB
Merredin				SCL	MC	100	600	0.25	0.28	0.13	0.20	1.30	1.40	10	21	3.8	WA Soil Guide p.88
Merredin				LS	SL	200	900	0.06	0.13	0.02	0.07	1.60	1.65	110	60	3.3	WA Soil Guide p.87
Mt Barker (WA)				LS	MC	350	1200	0.15	0.31	0.06	0.22	1.30	1.30	60	10	3.3	K. Greathead
Orange			Gn4.11	SCL-L	LC	250	1000	0.28	0.34	0.13	0.20	1.54	1.49	20	50	3.8	OWRU Orange
Parkes			Gn3.12	CL	MC	320	900	0.46	0.45	0.33	0.22	1.30	1.25	300	92	3.8	Geeves et al site 16
Roseworthy				SL	C	200	800	0.28	0.34	0.17	0.22	1.30	1.30	4.4	3.1	3.5	Measured by H Cresswell
Rutherglen				L	C	250	1000	0.26	0.28	0.08	0.17	1.51	1.61	16	3.5	4.2	Rutherglen PTD Plot 6
Rutherglen				L	C	300	1000	0.32	0.33	0.12	0.26	1.34	1.61	40	0.3	4.2	Rutherglen PTD Plot 2
Tamworth			Dr2.23			200	1000	0.24	0.30	0.13	0.20	1.60	1.70	100	30	3.3	McKenzie & Jacquier DB
Wagga			Dr2.53	CL	MC	150	1500	0.26	0.30	0.15	0.22	1.61	1.48	95	100	3.8	Forrest et al site 13
Yass				SL	HC	400	1000	0.29	0.33	0.08	0.28	1.44	1.70	45	0.01	3.5	Measured by PI

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	S	E		Topsoil	Subsoil	Topsoil	Subsoil	Topsoil	Subsoil	Topsoil	Subsoil	Topsoil	Subsoil	Topsoil	Subsoil				
<b>Victoria</b>																			
Wimmera region (VIC)	36°23'	141°21'	Dy2.33	CL-C	C	300	1900											profile 10B	Stace et.al. Handbook of Australian Soils
Wimmera region (VIC)	36°42'	142°18'	Ug5.2	C	C	300	950	0.44	0.47	0.26	0.33	1.18	1.20					profile 10E	Stace et.al. Handbook of Australian Soils
Mallee region (Vic)	35°15'	143°34'	Ug5.16	MC	MC-LC	300	110 0	0.36	0.41	0.28	0.28	1.30	1.50					profile 10F	Stace et.al. Handbook of Australian Soils
Glenleg region (VIC)	37°31'	141°42'	Ug5.14	MC-HC	HC	640	16 30											profile 11C	Stace et.al. Handbook of Australian Soils
Strathkellar (VIC)	37°34'	142°11'	Dy3.72	CL-C	HC	150	1800	0.40		0.22		1.30						profile 14B	Stace et.al. Handbook of Australian Soils
Boorook (VIC)	37°55'	142°49'	Dy3.82	L-CL	LC-HC	250	1800	0.3 7		0.17		1.30						profile 18B	Stace et.al. Handbook of Australian Soils
Monivale (VIC)	37°50'	142°05'	Dy3.21	SSiL	CL-HC	200	900	0.4 3	0.35	0.14	0.09	1.20	1.55					profile 18C	Stace et.al. Handbook of Australian Soils
Monivale (VIC)	37°50'	142°05'	Dr2.42	grav.L-CL	HC	300	1200	0.36	0.5	0.10	0.3	1.30	1.1					profile 18D	Stace et.al. Handbook of Australian Soils
Mallee region (Vic)	35°28'	143°37'	Gn1.46	S	S-SC	600	2000	0.27	0.23	0.03	0.05	1.60	1.7					profile 19A	Stace et.al. Handbook of Australian Soils
Mallee region (Vic)	35°08'	142°00'	Dr4.63	LS	SC	240	2400			0.08	0.12	1.40	1.3					profile 19B	Stace et.al. Handbook of Australian Soils
Mallee region (Vic)	35°08'	142°00'	Dr2.13	SCL-MC	MC-HC	30 0	2100			0.21		1.30						profile 19C	Stace et.al. Handbook of Australian Soils
Mallee region (Vic)	35°09'	143°23'	Gc1.12	SL-CL	SC	300	100 0			0.14		1.30						profile 19F	Stace et.al. Handbook of Australian Soils
Wimmera region (VIC)	36°12'	141°46'	Dr2.33	SL-C	C	300	930											profile 20B	Stace et.al. Handbook of Australian Soils
Goulburn region (VIC)	36°26'	145°15'	Dr2.33	CL	HC	300	900	0.32	0.36	0.16	0.23	1.50	1.6					profile 20C	Stace et.al. Handbook of Australian Soils
Goulburn region (VIC)	36°23'	145°24'	Db1.33	CL-MC	HC-MC	3 00	2050	0.33	0.35	0.16	0.28	1.50	1.6					profile 20D	Stace et.al. Handbook of Australian Soils
Mt Derrimut (VIC)	37°48'	144°47'	Dr2.13	SiCL-LC	C-HC	200	1 800	0.42	0.54	0.25	0.32	1.20	1.2					profile 20E	Stace et.al. Handbook of Australian Soils
Girringurup (VIC)	37°59'	142°18'	Um6.43	L-FSCL	LC	300	600	0.38		0.15		1.20						profile 22A	Stace et.al. Handbook of Australian Soils
Mt Napier (VIC)	37°52'	142°02'	Um6.41	SiL	CL	300	1200											profile 22C	Stace et.al. Handbook of Australian Soils
Cobbobboonee (VIC)	38°00'	141°24'	Dy3.61	L-CL	LC-MC	200	90 0	0.28	0.46	0.10	0.35	1.40	1.3					profile 34A	Stace et.al. Handbook of Australian Soils
Horsham (VIC)	36°37'	142°22'	Ug5.16	MC	MHC	850	2000	0.45	0.4 7	0.26	0.35	1.25	1.33	5.8	29				A survey of the physical properties....CSIRO soils.
Horsham (VIC)	36°36'	142°22'	Ug5.39	MC	MC	500	2000	0.42	0.37	0.28	0.29	1.32	1.4	0.25	0.125				A survey of the physical properties....CSIRO soils.
Horsham (VIC)	36°37'	142°14'	Ug5.15	FSCL		450	2000	0.42	0.44	0.23	0.31	1.25	1.23	5.8	8.75				A survey of the physical properties....CSIRO soils.
Horsham (VIC)	36°40'	142°16'	Ug5.24	LC	MC	600	2000	0.47	0.43	0.29	0.31	1.23	1.24	1.25	0.29				A survey of the physical properties....CSIRO soils.
Horsham (VIC)	36°36'	142°15'	Ug5.16	LC	LMC	800	2000	0.45	0.46	0.24	0.21	1.12	1.09	4.2	27.1				A survey of the physical properties....CSIRO soils.
Tallangatta Valley (VIC)				FSCL	CL-LC	300	850	0.44	0.39	0.14	0.19	1.38	1.5	250	100				Peveril et al. (Soil analysis)
Ellinbank District (VIC)				FSCL	CL-LC	300	1000+	0.5	0.44	0.29	0.3	1.13	1.1	400	200				Peveril et al. (Soil analysis)
SW Gippsland (VIC)				FSCL	MHC	450	700+	0.25	0.35	0.13	0.28	1.40	1.6	340	7.4				Peveril et al. (Soil analysis)
Bald Hills district (VIC)				LS-S	S	750	1400+	0.2	0.19	0.05	0.06	1.30	1.4	740	160				Peveril et al. (Soil analysis)
Lexton district (VIC)				FCL	HC-MHC	300	1000+	0.36	0.32	0.22	0.29	1.40	1.78	100	1.7				Peveril et al. (Soil analysis)
Horsham district (VIC)				LC	LMC-HC	50	1750+	0.29	0.32	0.18	0.19	1.50	1.5	7.5	4.6				Peveril et al. (Soil analysis)
Charlton district (VIC)				MC	MHC	100	1200+	0.43	0.44	0.28	0.29	1.58	1.63	63	1.6				Peveril et al. (Soil analysis)
<b>Southern Tablelands NSW</b>																			
Ando ("Inverlochie")				C	C	100	1200	0.32	0.46	0.23	0.32	1.04	1.11	184.90	122.2				CSIRO PI & Land and Water
Bathurst			Dd2.23	SL-SCL	MC-HC	250	1000	0.19	0.35	0.08	0.22	1.60	1.32	13	1.4	3.5			OWRU Bathurst
Binalong								0.346	0.309	0.086	0.172	1.41	1.51						CSIRO Land and Water
Bombala ("Myama")				SL	C	260	1100	0.39	0.39	0.11	0.24	1.10	1.45	27.90	5.7				CSIRO PI & Land and Water
Braidwood	35°22'59"	149°49'06"				460		0.262	0.362	0.081	0.322	1.24	1.59	67.00	0.007				CSIRO Land and Water
Bookham (Back Yards pdk)				FSL	LC-MC	417		0.3	0.34	0.09	0.26	1.44	1.52	33.65	15.1				CSIRO PI & Land and Water
Bookham (Back pdk)				SL-LS	Clayey S	378		0.24	0.21	0.09	0.12	1.47	1.73	131.70	67.57				CSIRO PI & Land and Water
Bookham (Top Dip pdk)				L-FSL	LC-HC	433		0.27	0.35	0.06	0.25	1.48	1.5	35.80	19.82				CSIRO PI & Land and Water
Bookham (Pieries Rd pdk)				SL-LS	MC-HC	441		0.24	0.38	0.06	0.27	1.56	1.53	22.30	0.01				CSIRO PI & Land and Water
Bookham (Front pdk)				FSL-CL	LC	304		0.29	0.35	0.10	0.23	1.35	1.34	170.00	18.37				CSIRO PI & Land and Water
Bookham (Laneway pdk)				SL-L	MC	305		0.28	0.34	0.10	0.23	1.53	1.64	75.49	2.65				CSIRO PI & Land and Water
Bookham (Kia-Ora pdk)				SL	HC	460		0.29	0.33	0.08	0.28	1.44	1.7	62.30	0.01				CSIRO PI & Land and Water
Canberra (Rosewood SRE)			Gn2.24	SL	C	260	400	0.27	0.22	0.09	0.11	1.27	1.55	100	100	3.5			Measured by PI
Canberra (Rosewood MDYP)			Dy3.42	SL	C	300	1000	0.31	0.38	0.09	0.28	1.17	1.45	30	3.0	3.5			Measured by PI
Foxlow' Queanbeyan (LC pdk)				FSiL	MC-HC	319	850	0.31	0.26	0.07	0.16	1.29	1.44	13.50	104.26				CSIRO PI & Land and Water
Foxlow' Queanbeyan (KL1 pdk)				FS/SiL	MC-HC	420	807	0.32	0.26	0.09	0.16	1.25	1.44	17.93	104.26				CSIRO PI & Land and Water
Hall			Dy3.41/Dy3.42			360	780	0.21	0.31	0.06	0.15	1.40	1.7	30.00	3	3.3			
Murrumbateman	34°54'	148°58'	Dr2.21			200	1000	0.23	0.37	0.06	0.22	1.62	1.37	67.10	58.8				Forrest et al/ site 44
Nimmitabel ("Bellevue")								0.45	0.42	0.20	0.24	1.17	1.31	88.40	408.4				CSIRO PI & Land and Water