



Australian Soil Classification: Brown-Orthic Tenosol (weakly developed soils)
Geology: Late Ordovician to early Silurian granite – biotite granite, granodiorite and muscovite
Landform: Undulating rises, mid slope; relief 10-20 m; slope 10%
Vegetation: Mixed native and introduced grasses
Location: Wymah, NSW

Soil Profile

A1, 0 – 10 cm Dark brown (7.5YR 3/2), sandy loam, 20% 5 mm quartz gravel
A3, 10 – 15 cm Brown (7.5YR 4/3), sandy loam, 30% 5 mm quartz gravel
B2, 15 – 65 cm Yellowish brown (10YR 5/4), clayey sand, 30% 5 mm quartz gravel
C, 65+ cm weathered granite

Soil Chemistry

Depth (cm)	pH (CaCl ₂)	Exchangeable cations (cmol/kg)					ECEC	Exch. Al%	Organic C (%)
		Al	Ca	Mg	K	Na			
0-2.5	4.9	0.05	9.71	2.64	0.56	0.08	13.0	0.4	5.88
2.5-5	4.5	0.32	5.36	1.11	0.36	0.04	7.2	4.5	3.34
5-7.5	4.5	0.49	3.06	0.59	0.24	0.04	4.4	11.1	1.69
7.5-10	4.5	0.43	2.57	0.5	0.2	0.04	3.7	11.5	0.98
10-12.5	4.6	0.41	2.25	0.46	0.17	0.11	3.4	12.1	0.70
12.5-15	4.6	0.45	2.42	0.46	0.17	0.03	3.5	12.7	0.61
15-20	4.6	0.52	2.41	0.45	0.15	0.05	3.6	14.5	0.52
20-30	4.5	0.67	2.79	0.61	0.13	0.07	4.3	15.7	0.56