



**Australian Soil Classification:** Red Kurosol (acidic soils with an abrupt increase in clay)  
**Geology:** Late Ordovician to early Silurian granite – biotite granite, granodiorite and muscovite  
**Landform:** Gently undulating plain, mid slope; relief 1-3 m; slope 1-2%  
**Vegetation:** Phalaris/sub clover/ryegrass improved pasture  
**Location:** Woomargama, NSW

### Soil Profile

**A1, 0 – 9 cm** Very dark grey (7.5YR 3/1), clay loam  
**B1, 9 – 20 cm** Brown (7.5YR 5/3), clay loam sandy  
**B2, 20 – 50 cm** Red (2.5YR 4/6), medium heavy clay  
**BC, 50+ cm** Red (2.5YR 4/6), medium heavy clay

### Soil Chemistry

Depth (cm)	pH (CaCl <sub>2</sub> )	Exchangeable cations (cmol/kg)					ECEC	Exch. Al%	Organic C (%)
		Al	Ca	Mg	K	Na			
0-5	4.8	0.56	6.49	1.67	0.43	0.13	9.3	6.0	5.17
5-10	4.5	0.83	2.65	0.58	0.16	0.04	4.2	19.5	2.04
10-15	4.4	0.82	1.46	0.47	0.14	0.02	2.9	28.2	1.09
15-20	4.6	0.93	1.25	0.61	0.16	0.03	3.0	31.2	0.86
20-30	4.3	1.15	0.99	1.10	0.22	0.05	3.5	32.8	0.88