



**Australian Soil Classification:** Brown Kurosol (acidic soils with an abrupt increase in clay)  
**Geology:** Ordovician metasedimentary rocks – shale, sandstone, quartzite, slate and siltstone  
**Landform:** Gently undulating plain, lower slope; relief 2-5 m; slope 1-3%  
**Vegetation:** Ryegrass/sub clover/phalaris improved pasture  
**Location:** Rosewood, NSW

### Soil Profile

**A1, 0 – 14 cm** Very dark greyish brown (10YR 3/2), clay loam  
**A2, 14 – 35 cm** Brownish yellow (10YR 6/6), conspicuously bleached, loam  
**B2, 35+ cm** Strong brown (7.5YR 5/8), medium clay

### Soil Chemistry

Depth (cm)	pH (CaCl <sub>2</sub> )	Exchangeable cations (cmol/kg)					ECEC	Exch. Al%	Organic C (%)
		Al	Ca	Mg	K	Na			
0-2.5	6.1	0.00	16.00	0.53	0.44	0.03	17.0	0.0	7.74
2.5-5	5.8	0.00	14.00	0.29	0.31	0.00	14.6	0.0	5.87
5-7.5	4.9	0.23	7.00	0.16	0.21	0.00	7.6	3.0	3.80
7.5-10	4.3	1.10	2.50	0.09	0.13	0.00	3.8	28.8	2.59
10-12.5	4.1	1.60	1.40	0.09	0.12	0.00	3.2	49.8	2.19
12.5-15	4.1	1.60	1.00	0.08	0.10	0.00	2.8	57.5	1.66
15-20	4.1	1.80	0.95	0.15	0.13	0.00	3.0	59.4	1.37
20-30	4.2	2.40	0.90	0.21	0.19	0.00	3.7	64.9	1.37