

Primary Production Landscapes of Victoria	Dominant soil order (ASC)	Factual Key	Soil distribution within AEL	Description	Management Issues										Other Management and related Issues			
					Acidity_surface	Acidity_subsoil	Alkalinity_surface	Alkalinity_subsoil	Surface structure	Wind erosion	Water erosion	Waterlogging	Sodicity_surface	Sodicity_subsoil		Potential chemical deficiency	Potential chemical excess	
North West Victoria: Mallee	Calcarosols	Gc	60%	Sand to clay loam surface soils grading to a sandy loam to clay subsoil, calcareous throughout, often with soft or hard calcareous nodules. Found on dunefields and plains												P	B, Soluble salts	Surface: water repellence. Subsoil: high clay content.
North West Victoria: Mallee	Rudosols and Tenosols	Uc	35%	Sandy soils that may have a restrictive horizon (iron/organic pan) at depth below a bleached horizon. Found on dunefields and sandplains.												P	Al	Surface: water repellence, nutrient retention. Subsoil: nutrient retention.
North West Victoria: Mallee	Vertosols	Ug	5%	Grey cracking clay soil with self-mulching to coarse structured surfaces. High shrink-swell soils causing local irregular ground surface (melonhole/gilgai). Found in swales and depressions in dunefields and plains.												P, Fe, Zn, Cu, Mn	Soluble salts	Surface: compaction, high clay content and shrink-swell properties. Subsoil: compaction, coarse structure, high clay content and shrink-swell properties.
North West Victoria: Southern Mallee / Northern Wimmera	Vertosols	Ug	45%	Grey cracking clay soil with self-mulching to coarse structured surfaces. High shrink-swell soils causing local irregular ground surface (melonhole/gilgai). Found in swales and depressions.												P, Fe, Zn, Cu, Mn	Soluble salts	Surface: compaction, high clay content and shrink-swell properties. Subsoil: compaction, coarse structure, high clay content and shrink-swell properties.
North West Victoria: Southern Mallee / Northern Wimmera	Calcarosols	Gc, Uf	15%	Loam to light clay surface soils grading to a clay loam to medium clay subsoil, calcareous throughout (often with hard calcareous nodules). Found on dunefields and associated plains												P	B, Soluble salts	Surface: water repellence Subsoil: high clay content.
North West Victoria: Southern Mallee / Northern Wimmera	Tenosols, Podosols, Rudosols	Uc	15%	Sandy soils that may have a restrictive horizon (iron/organic pan) at depth below a bleached horizon. Found on dunefields and sandplains.												P	Al	Surface: water repellence, nutrient retention. Subsoil: nutrient retention, deep drainage.
North West Victoria: Southern Mallee / Northern Wimmera	Sodosols (yellow/brown)	Dy	15%	Loam (fine sandy) surface and loamy bleached subsurface visibly over a mottled brown, yellow and grey clayey subsoil. Occasionally calcareous at depth. Found on sandplains and depressions.												P	ESP, Soluble salts, B	Surface: water repellence, nutrient retention, potential surface sealing. Subsoil: compaction, dense and coarse structure, shrink-swell properties.
North West Victoria: Southern Mallee / Northern Wimmera	Sodosols (Red)	Dr	10%	Loam (fine sandy) surface and bleached subsurface visibly overlying a red clay subsoil. Occasionally calcareous. Found on the riverine plains.												P	ESP, Soluble salts, B	Surface: water repellence, nutrient retention, potential surface sealing. Subsoil: compaction, dense and coarse structure, shrink-swell properties.
North West Victoria: Southern Wimmera	Sodosols	Dy	70%	Loam (fine sandy) surface and bleached subsurface visibly over a mottled brown, yellow and grey clayey subsoil. Occasionally calcareous at depth.												P	ESP, Soluble salts	Surface: water repellence, nutrient retention, potential surface sealing. Subsoil: compaction, dense and coarse structure, shrink-swell properties.
North West Victoria: Southern Wimmera	Vertosols	Ug	20%	Grey cracking clay soil with self-mulching to coarse structured surfaces. High shrink-swell soils causing local irregular ground surface (melonhole/gilgai). Found in swales, depressions or extensive plains.												P, Fe, Zn	ESP, Soluble salts	Surface: compaction, high clay content and shrink-swell properties. Subsoil: compaction, dense and coarse structure, high clay content and shrink-swell properties.
North West Victoria: Southern Wimmera	Tenosols	Uc	10%	Sandy soils that are acidic and may have a restrictive horizon (pan or dense clay) at depth below a bleached horizon. Found on dunefields and plains.												P	Al	Surface: water repellence, nutrient retention. Subsoil: nutrient retention.