



Constraint	Severity	Solution
Water repellence	Severe in pockets with no clay.	<p>Mitigation: crop establishment may be improved when repellence is expressed using seeder-based strategies (on-row sowing, moisture delving) and/or wetting agents.</p> <p>Amelioration: Mixing the surface and subsurface layers with a one-way plough, spader or combination rip+spade machine, such as the Imants, will relieve compaction and dilute/eliminate water repellence.</p> <p>Custom fertiliser is recommended annually to correct deficiencies.</p> <p>Monitor regularly for changes in pH and apply lime as needed.</p>
Extremes in pH	<p>Neutral 0-20 cm</p> <p>Mild acidity 20-40 cm</p> <p>Neutral >40 cm</p>	
High Soil Strength	<p>Severe</p> <p>>3000 at 20 cm</p>	
Nutrient deficiency	<p>Sufficient phosphorus, potassium and zinc.</p> <p>Deficient in sulfur and copper.</p>	