



Constraint	Severity	Solution
Water repellence	Moderate 0-5 cm Mild 5-10 cm	<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, raise clay to the surface and dilute/eliminate water repellence.</p> <p>Custom fertiliser is recommended annually to correct deficiencies.</p>
Extremes in pH	Neutral 0-20cm Severe alkalinity >20cm	
High Soil Strength	Severe >3000 at 17cm	
Nutrient deficiency	Sufficient phosphorus, potassium and zinc. Deficient in sulfur and copper.	