Sample soil to 200mm depth, many small cores are better than fewer large cores. Sample separately from zones of high and low yielding legume crop to compare.

Mix 25 cores together in bucket. Ensuring all lumps are broken up. In a sample tube, add 30ml of 36.4% aluminium sulphate solution, then fill to 40 ml with soil.

Shake sample, then leave for soil to settle.

Dip Merekquant nitrate test strips into the clear liquid, remove and shake strip to remove any excess liquid.

Available Nitrogen

<table>
<thead>
<tr>
<th>Strip reading mg/l NO₃</th>
<th>10</th>
<th>25</th>
<th>50</th>
<th>100</th>
<th>200</th>
<th>500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approximate N kg/ha*</td>
<td>5.4</td>
<td>13.5</td>
<td>27</td>
<td>54</td>
<td>135</td>
<td>271</td>
</tr>
</tbody>
</table>

For best results test just prior to top-dress application

* 200mm sample depth, assumed soil bulk density of 1.2

Using Merekquant Nitrate Test Strips

A quick and reliable test to aid in decision making with nitrogen fertiliser rates in paddocks, where N residues are difficult to quantify, such as after a legume crop

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