Evaluation of a formulation for enhancing Rhizobium colonisation. 2013-15

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Richard Saunders, Dodgshun Medlin, Loxton (currently Rural Directions)

Acknowledgement: Thanks to Bulla Burra for trial establishment, yield mapping of the trial site and provision of data
18/8/15 response to coating
Still significantly visible
### Analysis of Lentil Data

**Table 1**

<table>
<thead>
<tr>
<th></th>
<th>Grain yield (kg/ha)</th>
<th></th>
<th></th>
<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Control</td>
<td>Trt</td>
<td>Diff</td>
<td>P&lt;0.05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flat 1</td>
<td>650</td>
<td>802</td>
<td>153</td>
<td>0.0472</td>
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</tr>
<tr>
<td>Flat 2</td>
<td>626</td>
<td>816</td>
<td>191</td>
<td>0.0164</td>
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</tr>
<tr>
<td>Sand Rise</td>
<td>568</td>
<td>711</td>
<td>144</td>
<td>0.0596</td>
<td>ns</td>
<td></td>
</tr>
<tr>
<td>Overall</td>
<td>614</td>
<td>777</td>
<td>162</td>
<td>0.0012</td>
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</tr>
</tbody>
</table>

Critical Value for Comparison 150 (LSD 5%)

**Table 2**

<table>
<thead>
<tr>
<th></th>
<th>$ per ha</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Control</td>
<td>Trt</td>
<td>Diff</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flat 1</td>
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<td>1000</td>
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<tr>
<td>Flat 2</td>
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<tr>
<td>Sand Rise</td>
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<td>180</td>
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<td>ns</td>
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<tr>
<td>Mean</td>
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<td>968</td>
<td>203</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Lentil price $ 1250
Cost per ha $ 1