LIMA FOLIAR TRIAL

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Tracy, California
Rate: 1 gpa 2 x
Spray volume: 30 gpa @ 30 psi
Plot 5 x 25', 3 reps
Varieties: Large lima UC-92
Baby lima UC-Luna

1st application:
7-16-92
UC 92 - early blossom
UC Luna - mid blossom, early pod development, 1" pods

2nd application:
7-24-92
UC 92 - full blossom, early pod development, ½ - 1" long
UC Luna - full blossom, pod set 1 - 2" long

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Variety</th>
<th>Rep I</th>
<th>Rep II</th>
<th>Rep III</th>
<th>Avg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Foliar</td>
<td>UC 92</td>
<td>3042</td>
<td>1195</td>
<td>3282</td>
<td>2506</td>
</tr>
<tr>
<td>2 Control</td>
<td>UC 92</td>
<td>2736</td>
<td>1234</td>
<td>2722</td>
<td>2231</td>
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<td></td>
<td></td>
<td></td>
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<td>CV = 8.9</td>
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<tr>
<td>3 Foliar</td>
<td>UC Luna</td>
<td>2763</td>
<td>2073</td>
<td>2429</td>
<td>2422</td>
</tr>
<tr>
<td>4 Control</td>
<td>UC Luna</td>
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<td>2209</td>
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<td>2594</td>
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<td>CV = 2.7</td>
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Summary

A foliar nutrient spray was applied on two lima bush varieties to determine effects on yield. The first application was applied at the bloom stage followed by a second application eight days later at full flower and early pod set. Visual evaluation showed no negative effects as either leaf burn or blossom drop. Maturity was normal comparing both treated and untreated using a paired plot design and replicated three times in a complete randomized block design.

The large lima variety showed a 12% increase in yield in the treated plots and a 6% yield decrease in the baby lima variety. This was not significant at the 95% level of confidence.

Further testing should be considered with timing of applications beginning at an earlier stage of growth.