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Research organization: Quimica Lucava & Agroquimicos El Surco
Location: Campo La Aventura, Puebla, Mexico
Variety: unknown
Planting date: April 28, 2015
Experimental design: A 1 hectare spinach field was divided into equal parts of Vitazyme treated and untreated, to determine the effect of the product on spinach yield and profitability.

1 Control 2 Vitazyme

Fertilization: unknown
Vitazyme application: 1 liter/ha sprayed on the leaves and soil 15 days after planting, on May 13, 2015
Harvest dates: June 17 and June 25, 2015, 50 and 58 days after planting
Yield results: (See the table and chart to the right)
Crop observations: At harvest, the Vitazyme treated crop was superior to the control in the following ways:
- Leaves and plants were larger.
- The leaf color was a richer, deeper green.
- Hardly any insect damage was noted, whereas the control spinach had slight damage.

### Profitability results:

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Yield1</th>
<th>Gross income1</th>
<th>Vitazyme cost</th>
<th>Net return</th>
<th>Increased return</th>
<th>Cost : Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>700</td>
<td>3,269.00</td>
<td>—</td>
<td>3,269.00</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Vitazyme</td>
<td>1,020</td>
<td>4,763.40</td>
<td>33.33</td>
<td>4,730.07</td>
<td>1,461.07</td>
<td>43.8</td>
</tr>
</tbody>
</table>

1 One case sold for 4.67 USD.

Increased return with Vitazyme: 1,461.07 USD/ha

Cost : Benefit with Vitazyme: 43.8

Conclusion: This spinach study in Mexico revealed that only a single Vitazyme application, at 1 liter/ha 15 days after planting, increased the yield a remarkable 46%. This yield increase resulted in a 1,461.07 USD/ha improvement, which followed from a cost : benefit of about 44 : 1. Such results prove the great viability of the Vitazyme program for spinach and similar leaf crops in Mexico.