**Researcher:** Agustin Fernando Peralta  
**Farmer:** Oliver Castro Garcia  
**Research organization:** Quimica Lucava  
**Location:** San Martin of the Pyramids, State of Mexico, Mexico  
**Variety:** Opuntia ficus-indica (L.) Mill  
**Experimental design:** A cactus field was divided into Vitazyme treated and untreated areas to determine the effect of the product on yield. Two applications of Vitazyme were made.  
1. Control  
2. Vitazyme (2x)  

**Fertilization:** unknown  
**Vitazyme application:** (1) Just before bud break (February 7, 2014) at 1 liter/ha, and (2) about two months later (April 14), also at 1 liter/ha. A pallet gun was used for the applications, with 1 liter of Vitazyme in 1,100 liters of water sprayed on 1 hectare. Along with Vitazyme, for the first application, were added 10 liters/ha of a phosphorus fertilizer, 22 kg/ha of KCl, 2 liters/ha of Afidox, 2 liters/ha of Lucaban, and 2 liters/ha of Sulcoflu.  
**Harvest date:** May 26 to June 20, 2014  
**Yield results:**

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Area</th>
<th>Yield</th>
<th>Yield increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>1 ha</td>
<td>15.0</td>
<td>—</td>
</tr>
<tr>
<td>Vitazyme</td>
<td>1 ha</td>
<td>18.0</td>
<td>3.0 (+20%)</td>
</tr>
</tbody>
</table>

Two applications of Vitazyme produced an excellent yield increase, of 20% in this Mexican prickly pear cactus study.