**Sorghum with Vitazyme application**

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**Farmer:** Irrigation District 011  
**Research organizations:** CVYTTTS and Quimica Lucava  
**Location:** Irapuato, Guanajuato, Mexico  
**Variety:** Syngenta 5390  
**Planting date:** May 16, 2014  
**Experimental design:** A 1 hectare area of a sorghum field was treated twice with Vitazyme to determine its effects on growth, yield, and profitability compared to an adjoining untreated control area.  
**Fertilization:** unknown  
**Vitazyme application:** (1) a seed treatment at 250 ml/ha on May 16, 2014; (2) foliar and soil spray at 1 liter/ha on June 30, 2014  
**Growth observation:** The Vitazyme treated plants had more extensive roots and greater plant vigor.  

**Harvest date:** December 15, 2014  
**Yield results:**

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Yield</th>
<th>Yield change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>7,745</td>
<td>—</td>
</tr>
<tr>
<td>Vitazyme</td>
<td>8,065</td>
<td>320 (+4%)</td>
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</tbody>
</table>

**Increase in sorghum yield with Vitazyme: 4%**

**Income results:** The sorghum price was 0.2382 USD/kg. Vitazyme overall cost = 46.43 USD/ha.

**Added profit with Vitazyme: 29.80 USD/ha**

**Conclusions:** This Mexican sorghum trial showed a good yield increase (4%) and income improvement (29.80 USD/ha) with two Vitazyme applications.