**1999 Crop Results**

**Vitazyme on Pumpkins**

**Farmer:** Greg Palmer  
**Location:** Redlands, California  
**Variety:** Goldstrike and Jackpot  
**Planting date:** June, 1999  
**Harvest date:** October 10 to 20, 1999  
**Soil type:** clay loam (treated) and sandy loam (control)  
**Experimental design:** Two adjoining fields, of four and six acres, were planted to the same pumpkin varieties. One field was treated with Vitazyme and the other was left untreated.  

1. **Control** (four acres)  
2. **Vitazyme** (six acres)  

**Fertility treatments:** Both fields received 80 lb N/acre in 1999. The Vitazyme treated field received some compost in 1996 and 1997, but none in 1998; thus, some carryover effect of the compost was evident.  

**Vitazyme application:** An airblast sprayer applied 12 oz/acre to the test field at the 5 to 6 leaf stage, and again at first bloom.  

**Yield results:** Four small areas of each field were picked, and the pumpkins weighed, to give a yield estimate.

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Yield, lb/acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>19,000</td>
</tr>
<tr>
<td>Vitazyme</td>
<td>37,500 (+97%)</td>
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**Yield increase:** 97%

**Note:** This yield increase was directly related to a reduced incidence of mildew, for the Vitazyme treated field. While Vitazyme played a big role in that reduced disease incidence, the different soil types and residual fertility effects from compost must have played a partial role in the yield increase.

**Income results:** Wholesale pumpkin value: $0.05/lb  
Increased pumpkin income from 18,500 lb/acre: $925/acre

**Income increase:** $925/acre 32%

**Comments:** The year was very hot, which affected many crops grown in the area this year. The pumpkins were irrigated all season.