

Vital Earth Resources

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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)

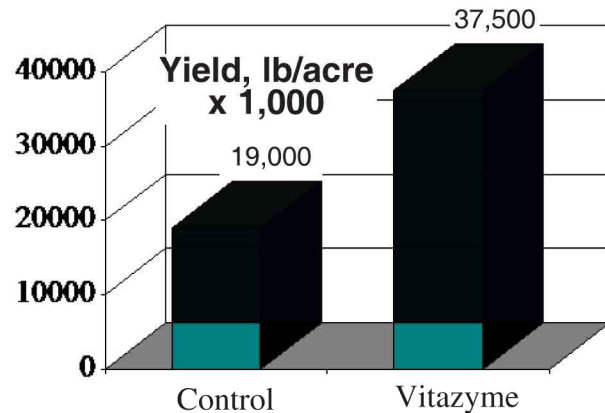
2. Vitazyme (six acres)

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.

<u>Treatment</u>	<u>Yield, lb/acre</u>
Control	19,000
Vitazyme	37,500 (+97%)



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.