

## Beets with Vitazyme application

**Researcher:** Rajnish Khanna, Ph.D.

**Research organization:** i-Cultiver, Manteca, California

**Location:** USDA Plant Gene Expression Center, Albany, California

**Variety:** unknown

**Growth media:** Sunshine Mix #1 (Sungro Horticulture)

**Experimental design:** A greenhouse trial was established using 3-gallon pots, to compare the effects of Vitazyme on root weight compared with untreated controls. Five pots were used for each treatment.

### 1 Control 2 Vitazyme

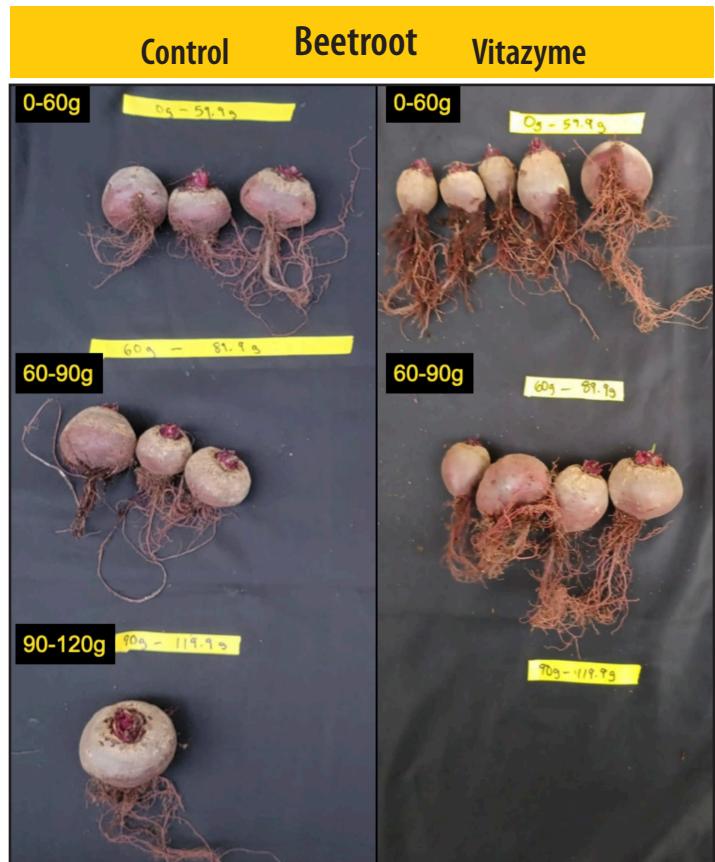
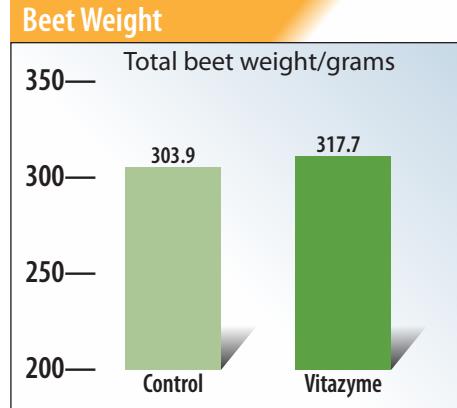
**Fertilization:** Peters Professional 20-20-20 water soluble fertilizer applied at 1:64 dilution each week

**Vitazyme application:** a 1% Vitazyme solution sprayed on the leaves and soil, to the dripping point, every 14 days beginning at the four-leaf stage until flowering or harvest

**Disease control:** Floramite and Decathlon at 0.25 tsp/gal, sprayed at 1-2 gal/100 plants

**Yield results:** The roots in each pot were weighed, and totaled.

**Increase in beet root with Vitazyme: 13.8 g (+5%)**



As for all root crops, Vitazyme improved the yield of the beet crop in this California trial.

**Conclusions:** This greenhouse pot trial with beets, using Vitazyme every 14 days, showed that the fresh weight of the roots was increased by 5%, or 2.8 grams per plant.

## Vital Earth Resources

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# 2006 Crop Results

## Vitazyme on Beets

Researcher: unknown

Location: Ukraine

Variety: unknown (a table variety)

Planting date: unknown

Planting rate: unknown

Experimental design: Two side-by-side 0.5 ha areas ( in "Area 5") were selected, one area treated with Vitazyme and the other area left untreated to evaluate the effect of the product on beet yield.

### 1. Control

Fertilization: unknown

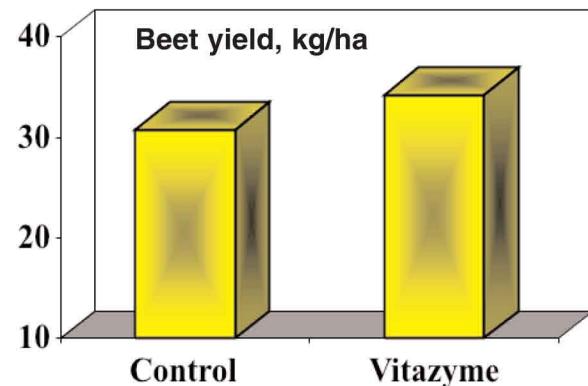
Vitazyme application: 1 liter/ha on the leaves and soil, at unknown dates

Harvest date: October 1, 2006

Yield results:

Treatment	Yield, 0.5 ha	Yield, 1.0 ha	Change
	kg	kg/ha	kg/ha
Control	15.4	30.8	—
Vitazyme	17.1	34.2	3.4 (+11%)

**Increase in beet yield: 11%**



Conclusions: This Ukraine table beet trial proved that Vitazyme increased beet yield by 11% when applied at the 1 liter/ha rate on these fertile Mollisol soils.