

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.

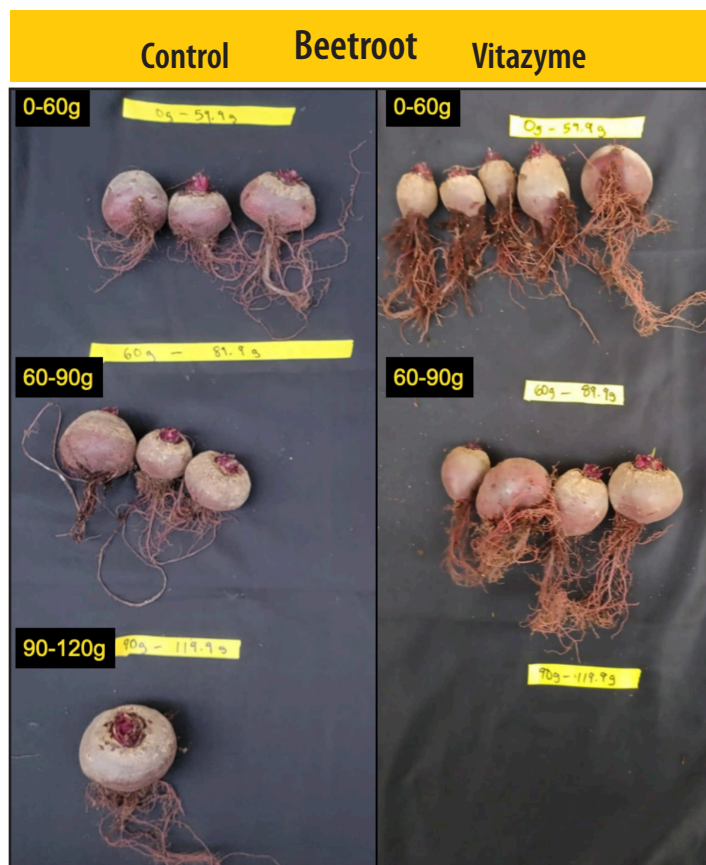
① Control ② Vitazyme

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

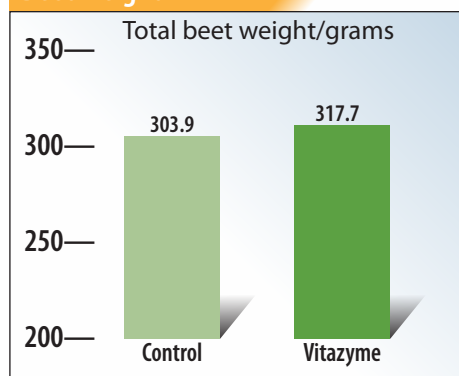
Yield results: The roots in each pot were weighed, and totaled.



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

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

Beet Weight



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

2. Vitazyme

Fertilization: unknown

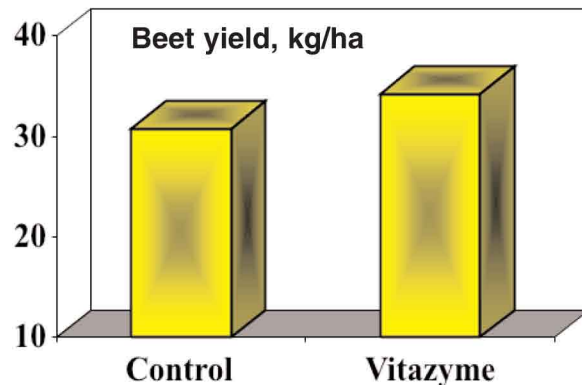
Vitazyme application: 1 liter/ha on the leaves and soil, at unknown dates

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.