

# 2009 Crop Results

## Vitazyme on Celery Cabbage

Researcher: unknown  
City, Viet Nam

Location: Tan Phu Trung Commune, Cu Chi District, Ho Chi Minh

Variety: unknown

Soil type: unknown

Planting date: March, 2009

Experimental design: A field of celery cabbage was divided into two parts: an untreated control, and a Vitazyme treated area. The purpose of the trial was to evaluate the efficacy of Vitazyme to improve crop growth and yield.

### 1. Control

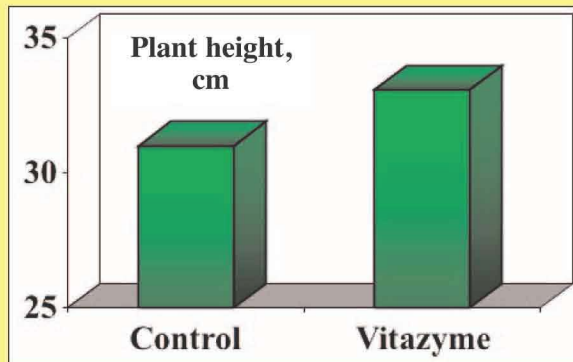
### 2. Vitazyme twice

Fertilization: unknown

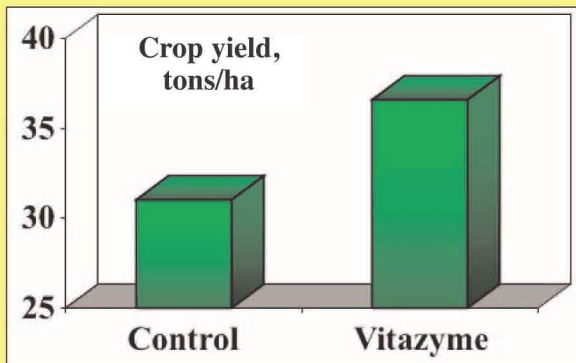
Vitazyme application: Two applications were made of a 0.1% solution, with 500 liters/ha sprayed over the crop (0.5 liter/ha), first at 7 and 14 days after planting, and second at 7 to 10 days before harvest.

Height results: At harvest time the average plant height was determined for each treatment

Treatment	Plant height cm	Height change cm
Control	31.0	—
Vitazyme	33.1	2.1 (+7%)



**Increase in plant height with Vitazyme: 7%**



Treatment	Crop yield tons/ha	Yield change tons/ha
Control	31.01	—
Vitazyme	36.60	5.59 (+18%)

**Increase in yield with Vitazyme: 18%**

## Vital Earth Resources

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# 2000 Crop Results

## Vitazyme on Celery (Organic)

Researcher: Herb Bosse

Location: Gene Jackson Farm, Duda Ranch, Ventura, California

Variety: proprietary

Row spacing: 40 in center, 2 rows 8 in apart

Experimental design: An 8-acre field was planted to celery transplants which had been grown in a Duda field near Santa Maria. Three rows (700 feet long) were selected for the experiment:

**1. Control**

**2. Vitazyme**

**3. Fish**

Fertilization: unknown

Vitazyme application: 13 oz/acre two times during the growing season, on September 11 and October 31

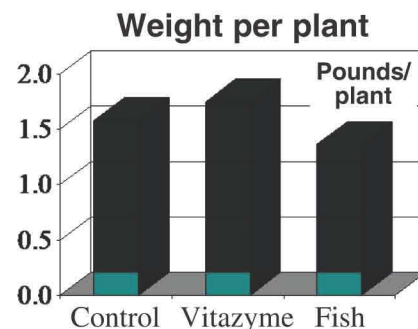
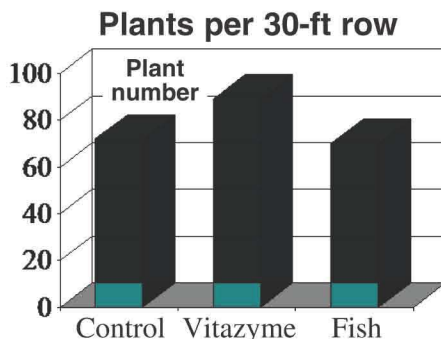
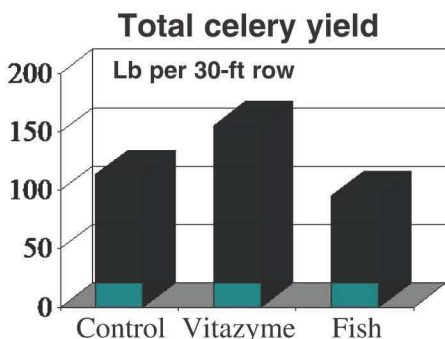
Fish application: 10 gal/acre

Harvest date: December 7, 2000

Irrigation: furrow

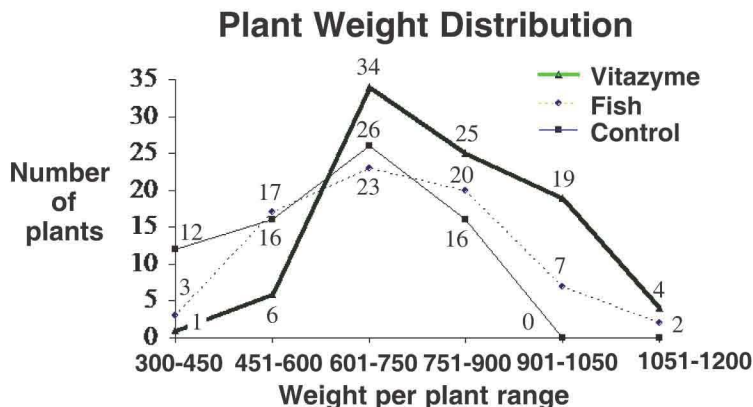
Yield results: The Duda field manager selected a 30-foot section for each of the three treatments, each next to the others. All of the plants from each treatment were weighed to the nearest gram and recorded.

	Control	Vitazyme	Fish	Change with Vitazyme	
				vs. control	vs. fish
<b>Total yield, lb</b>	113.6	155.4	95.4	+ 41.8 (+37%)	+ 60.0 (+53%)
<b>Plants per 30-ft row</b>	72	89	70	+17 (+24%)	+19 (+26%)
<b>Yield per plant, lb</b>	1.578	1.746	1.363	+ 0.168 (+11%)	+ 0.383 (+24%)



**Total yield increase: 37%**

**Weight/plant increase: 11%**



Income results: The value of celery is about \$12/box

	<b>Control</b>	<b>Vitazyme</b>	<b>Fish</b>
<b>Boxes/30-ft row</b>	2.02	2.93	1.87
<b>Celery value, \$/30 ft</b>	24.24	35.16	22.44
<b>Celery value, \$/acre*</b>	10,558.94	15,315.70	9,774.86

\* The field area for each treatment was 100 ft<sup>2</sup>, or 0.002296 acre.

**Income increase  
(vs. control):  
\$4,756.76/acre**

Conclusions: Vitazyme in this test produced a substantial increase in the weight per plant (11%) by stimulating photosynthesis throughout the growth period. Because of a greater number of plants in the row section the total yield was 37% higher for Vitazyme vs. the control, and income was substantially greater. The fish treatment produced the least yield per plant and overall yield.