

Vital Earth Resources

706 East Broadway, Gladewater, Texas 75647
(903) 845-2163 FAX: (903) 845-2262

2000 Crop Results

Vitazyme on Plums (for Prunes)

Farmers: K and D Farms (Khagura and Dulai)

Location: Los Banos, California

Variety: French prunes

Experimental design: A plum orchard was divided into two parts: Vitazyme treated (55 acres) and untreated (25 acres), The treated portion has received Vitazyme in previous years.

1. Control

2. Vitazyme

Fertilization: KNIT (14-0-45% N-P₂O₅-K₂O) KNO₃ and KOH (0-30-0) or K₂SO₄ (0-0-50-18[S]) were applied later in the growing season to increase plum size. Potassium also as KTS (K-thiosulfate) was applied foliar at 5 gal/acre several times during fruit filling. Total fertilizers applied: Ca + 32% N (90 lb/acre N); BioK + KTS (40 lb/acre K₂O); foliar K (50 lb/acre K₂O). Both treatments were fertilized the same.

Vitazyme application: 13 oz/acre at 5/8 full fruit size during one of the foliar KTS applications

Harvest date: Vitazyme treatment – August 20, 2000; Control – August 24, 2000.

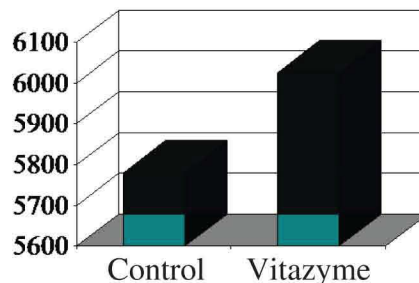
Plum size: The control and treated plums showed little size difference. Vitazyme gave size 68 fruit vs. 70 for the control, but the treated plums were harvested four days earlier.

Plum yield:

	Control	Vitazyme	Change
		lb/acre	
Yield	5,780	6,025	(+) 245 (+4%)

Yield increase: 4%

Plum yield, lb/acre



Income increase: The value of these plums is \$0.425/lb.

	Control	Vitazyme	Change
		\$/acre	
Income	2,456.50	2,560.63	(+) 104.13

**Income increase:
\$104.13/acre**

Conclusion: Vitazyme applied only one time to this plum farmer's grove netted a 4% yield increase, which translated to an income increase of \$104.13/acre, giving a highly profitable return on investment of about 12:1.

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A Testimonial

Farmer: Jagmail Dulai, Jagmail and son Farming

Location: Yuba City, Dingville, Los Banos, and El Nido, California

- Applying Vitazyme causes the trees to develop “a new greener leaf” within the first week after foliar application.
- The field reported in the *1998 Vitazyme Field Trial Results* continues to grow ahead of the other trees, with just one application of Vitazyme in 1998.
- 1999 was a hard year, with an early frost and a shorter than usual harvest window. Even so, the fruit harvested were generally larger, by 10 to 15% over last year. We apply Vitazyme one or more times each year or as the budget permits.
- We applied Vitazyme, ViBasic, and 5 gal/acre of liquid chicken manure as a residue breakdown treatment on the Dingville (55 acres) and Yuba City (35 acres) soils this fall.