



## **Plums Crop Report Directory**

### **Recommended Application Rates For Plums**

- |             |  |
|-------------|--|
| <b>2000</b> | <b>French prunes</b><br>Los Banos, California    |
| <b>1999</b> | <b>Testimonial Unknown variety</b><br>California |

## Application Rates for Plums

### New Orchards

#### Use one of the following treatments:

- Root dip: Dip the bare roots in a 5% Vitazyme solution  
or
- Root Drench: During or after planting, drench the root zone with a 1% solution  
or
- Spray Vitazyme at 16oz/acre (1 liter/hectare) with first foliar or weed spray

After planting, apply Vitazyme at the rate of 16oz/acre (1 liter/hectare) at approximately 30 day intervals during the growing season, 4 applications total.

### Non Bearing Blocks

Apply at the rate of 16oz/acre (1 liter/hectare) with herbicide or with first foliar applied spray, and again at approximately 30 day intervals.

### Bearing Blocks

Apply .80 oz/10,000 cu. ft. of Tree Row Volume (13-33 oz/acre or 1-2 liters/hectare) of Vitazyme, depending on the size of the trees. When in doubt use 1-1.5 pints per acre (1-1.5 liters/hectare):

- To the soil at budbreak or foliar at early pink
- at petal fall
- at first cover spray, or 30 days after petal fall
- 0-30 days post harvest

***Vitazyme can be tank mixed with all farm chemicals, including herbicides, insecticides, fungicides, and fertilizers.***

***Added benefit: when mixed with herbicide, Vitazyme will stimulate weed growth, thereby enhancing herbicide efficacy***

## Vital Earth Resources

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# 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-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O) KNO<sub>3</sub> and KOH (0-30-0) or K<sub>2</sub>SO<sub>4</sub> (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 K<sub>2</sub>O); foliar K (50 lb/acre K<sub>2</sub>O). 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.

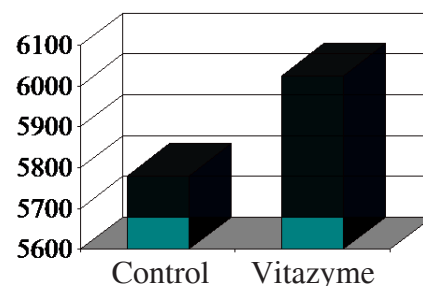
**Plum size:** The control and treated plums showed little size difference. Vitazyme gave size 68 fruit vs. 70 for the control, but the treated plums were harvested four days earlier.

**Plum yield:**

|              | Control | Vitazyme | Change        |
|--------------|---------|----------|---------------|
|              |         | lb/acre  |               |
| <b>Yield</b> | 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  |            |
| <b>Income</b> | 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.

***Vital Earth Resources***

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**1999 Crop Results**

**Vitazyme on Plums (for Prunes)**

**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.