



## **Kiwi Crop Report Directory**

### **Recommended Application Rates For Kiwi**

**2009      Cuiyu (green flesh)  
                 Hunan China**



## Application Rates for Kiwi

### 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 1-1.5 pints per acre (1-1.5 liters/hectare):

- To the soil at budbreak
- 1 week pre-bloom or early bloom
- 2-3 weeks post bloom

*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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**2009 Crop Results**

**Vitazyme on Kiwi Fruit**

Researcher: Wang Zhongyan, Peng Juncal, Cai Jinshu, Yi Chun, Xiao Wanzhong, Peng Fengxiang, Li Qunfeng, and Shen Ying, Hunan Horticultural Research Institute

Location: Hunan Horticulture Research Institute Research Orchard, Mapoling, Changsha, Hunan China

Variety: Cuiyu (green flesh) Vine age: six years Row spacing: 3 x 4 meters Trellis: pergola

Experimental design: An orchard area was selected to provide a Vitazyme and a control treatment, each with 10 plants per plot. Each treatments was replicated three times.

1. Control

2. Vitazyme

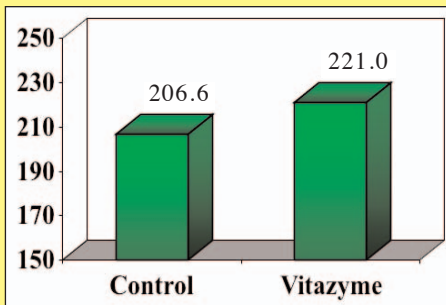
Fertilization: unknown

Vitazyme application: (1) 1.5 liters/ha on the soil 10 days before bud burst (March 5); (2) 1.5 liters/ha on the leaves 10 days before flowering (April 8), and (3) 1.5 liters/ha on the leaves 14 days after flowering (May 18)

Harvest date: unknown

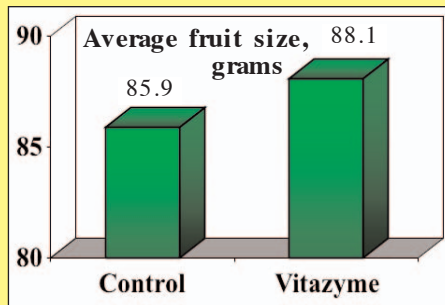
Yield and quality results:

**Fruit Per Vine**



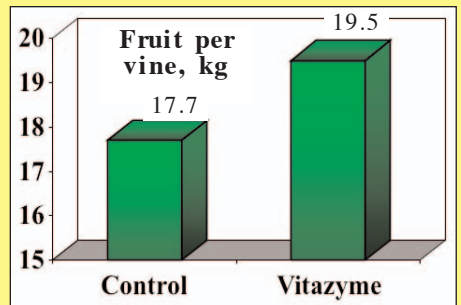
Increase in fruit number with Vitazyme: 7%

**Fruit Size**



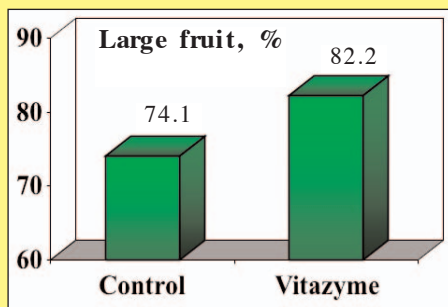
Increase in fruit size with Vitazyme: 3%

**Yield Per Vine**



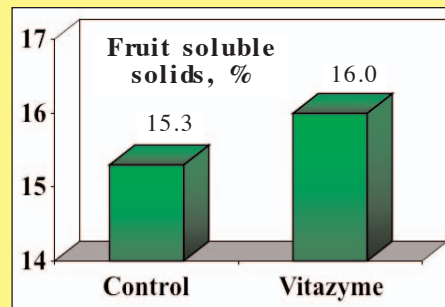
Increase in fruit per vine with Vitazyme: 10%

**Percentage of Large Fruit**



Increase in percentage of large fruit: 11%

**Soluble Solids of Fruit**



Increase in percent of fruit soluble soils with Vitazyme: 5%

*Income results:*

| Treatment | Income             | Change       |
|-----------|--------------------|--------------|
|           | ----- RMB/ha ----- |              |
| Control   | 65,500             | —            |
| Vitazyme  | 72,150             | 6,650 (+10%) |

**Increase in income with Vitazyme: 10%**

*Conclusions:* Vitazyme in this Chinese kiwi fruit study improved the yield, quality, and income of the fruit in every category. The fruit per vine were increased by 7%, fruit size by 3%, yield per vine by 10%, percentage of large fruit by 11%, and percent soluble solids by 5%. Income was improved by 10%. These results prove that Vitazyme substantially improves the quality and yield of kiwi fruit in China.