

# Vital Earth Resources

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## 2009 Crop Results

# Vitazyme on Kiwi Fruit

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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

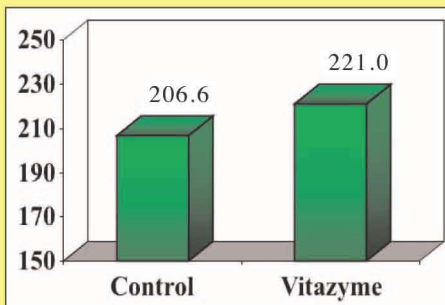
Fertilization: unknown

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

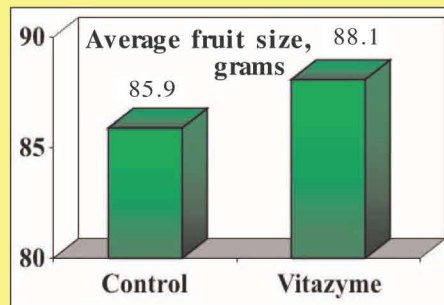
Yield and quality results:

### Fruit Per Vine



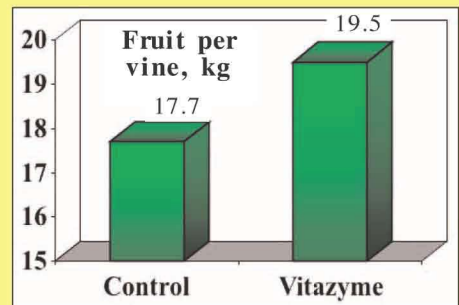
Increase in fruit number with Vitazyme: 7%

### Fruit Size



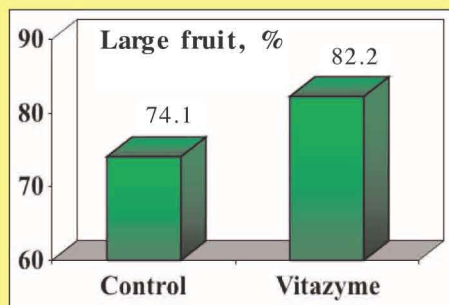
Increase in fruit size with Vitazyme: 3%

### Yield Per Vine



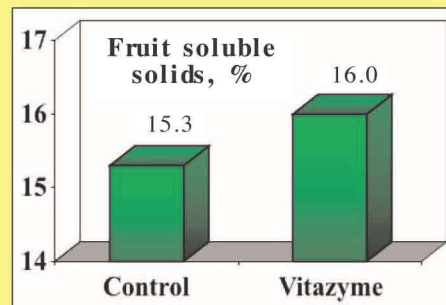
Increase in fruit per vine with Vitazyme: 10%

### 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.