

# Apricots *with Vitazyme application*



The Vitazyme treated apricots in this study showed greater fruit size and weight, higher Brix, as well as enhanced maturity compared to the Entraset treated fruit (left) and the control fruit (right).

**Researcher:** Jacob Hesseltine  
**Research Organization:** Vital Grow Distribution LLC, Waterville, Washington  
**Farmer:** Columbia River Investors (Weber Orchards)  
**Location:** Rock Island, Washington  
**Variety:** Perfection  
**Rootstock:** unknown  
**Tree spacing:** 20 x 20 feet  
**Tree age:** 52 years  
**Experimental design:** A 13-acre block of apricots was divided into three portions, a 5-acre Vitazyme treated area, a 5-acre Entraset treated area and a 3-acre untreated control. The purpose of the trial was to determine the effect of these two products on apricot size and quality.  
**Fertilization:** only micronutrients

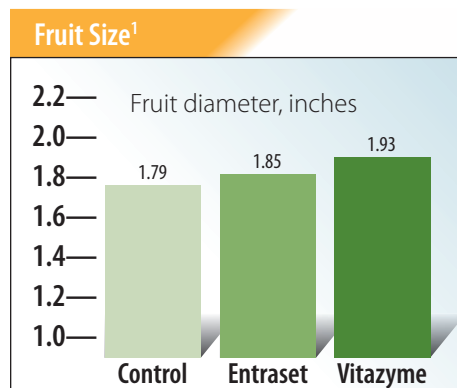
① Control ② Entraset ③ Vitazyme

**Vitazyme application:** 16 oz/acre applied two times: (1) first cover; (2) 10 days later. A Progressive Ag Lector Blast Sprayer was used (80 gal/acre at 3.2 mph).

**Growing season weather:** generally favorable for crop development

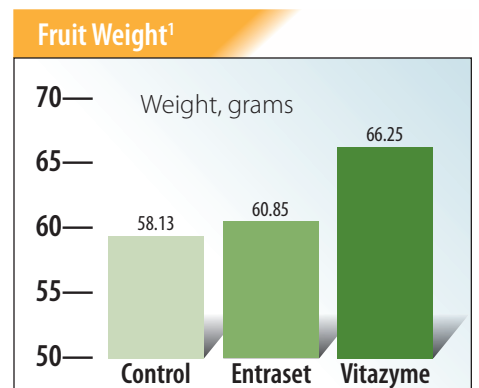
**Harvest dates:** June 20, 2015

**Size and quality evaluations:** On June 15, 48 typical fruit were hand-picked from all three treatments in the same vicinity, and the following parameters were measured.



<sup>1</sup>Using a Cranston fruit sizer.

**Increase in size with Vitazyme: 8%**

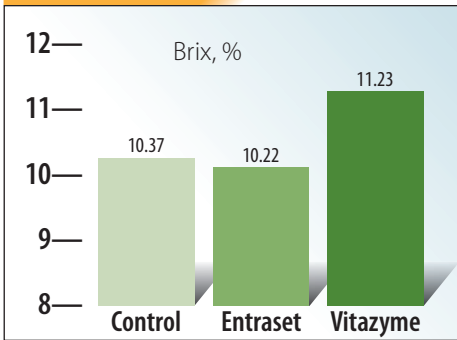


<sup>1</sup>Using a Matrix-500 scale.

**Increase in weight with Vitazyme: 14%**

# Apricots *with Vitazyme application continued.*

## Fruit Brix<sup>1</sup>



<sup>1</sup>Using an Atago PAL-1 Penetrometer.

**Increase in size with Vitazyme: 0.86%**

**Conclusion:** This apricot trial in Washington, using two applications of Vitazyme at 16 oz/acre each time and the standard Entraset program revealed that Vitazyme markedly outperformed Entraset. Fruit size was 8% greater than the Control and 5% higher than with Entraset. The weight increase likely would translate into a 14% yield increase with Vitazyme if fruit numbers were the same for the treatments. Vitazyme increased fruit sugar by 0.86 percentage-point while Entraset slightly reduced fruit sugar. These results show the excellent benefit of Vitazyme for apricot production in Washington, and its superiority to Entraset.

Change in values		
Parameter	Entraset	Vitazyme
Fruit size	+3%	+8%
Fruit weight	+5%	+14%
Fruit Brix	-0.15 <sup>a</sup>	+0.86% <sup>a</sup>

<sup>a</sup>Percentage-points