



Peaches with Vitazyme application [Vitazyme is called Globaplant in Colombia.]

Research organization: Agroglobal S.A., Bogota, Colombia

Location: farm of Agro Tito Amezcuita, Combita, Department of Boyaca, Colombia

Variety: unknown

Tree density: unknown

Experimental design: A peach orchard was divided into Vitazyme treated and untreated areas to determine the effects of this product on peach yield, and its ability to replace the chilling or rest-breaking agent Dormex (hydrogenated cyanamide).

1 Control 2 Vitazyme

Fertilization: unknown

Vitazyme application: (1) a 0.25% solution (500 ml/200 liters) sprayed on the trees and soil at the beginning of flowering; (2) a 0.25% solution (500 ml/200 liters) sprayed on the trees and soil at full blossom, 15 days after the first application, (3) a 0.25% solution (500 ml/200 liters) sprayed on the leaves at fruit filling

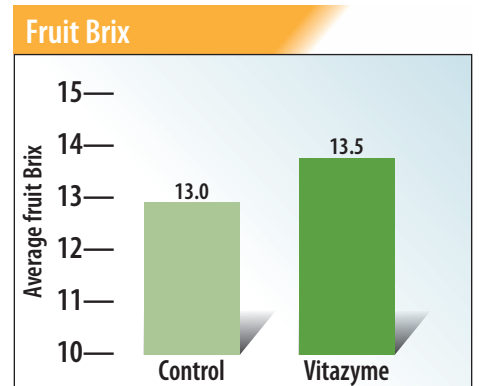
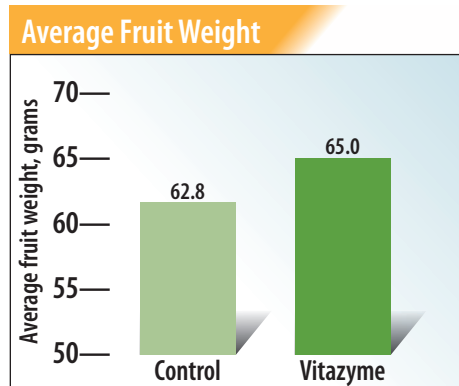
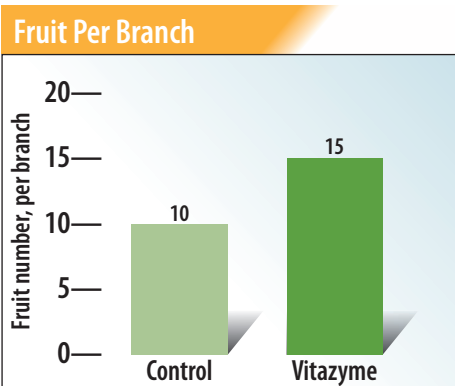
Fruit results: It was observed that the Vitazyme treated trees produced fruit that was more uniform in size, thus reducing harvesting costs. There were many small, unfilled fruit in the untreated areas. Yields were not able to be determined.



Note the increased size of the Vitazyme (Globaplant) treated peaches, a result of improved photosynthesis and increased energy capture for filling of the fruit.



The treated fruit is noticeably larger than the untreated control, and the fruit was also sweeter as evidenced in taste tests. Notice also the improved coloration of the treated fruit.



Increase with Vitazyme

Fruit per branch 50%
Average fresh weight 4%
Fruit Brix 0.5 %-points

Conclusions: A farm peach trial with Vitazyme, using three applications of a 0.5% solution, revealed that fruit number per branch increased an amazing 50%, while the fruit fresh weight was improved. At the same time, fruit sugar (Brix) was boosted by 0.5 percentage point. Vitazyme greatly improved fruit yield, showing the great efficacy of this program for peaches in Colombia. In addition, the ability of Vitazyme to replace Dormex as a chilling agent was effectively shown.