

Vital Earth Resources

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2009 Crop Results

Vitazyme on Olives

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Varieties: Arbequina and Arbosana

Soil type: unknown

Planting date: 2007

Experimental design: A young olive grove of 7.0 hectares was divided into a Vitazyme treated area and a control area to determine the effect of the product on tree growth. This growth was determined by trunk diameter.

1. Control

2. Vitazyme

Fertilizer applications: unknown

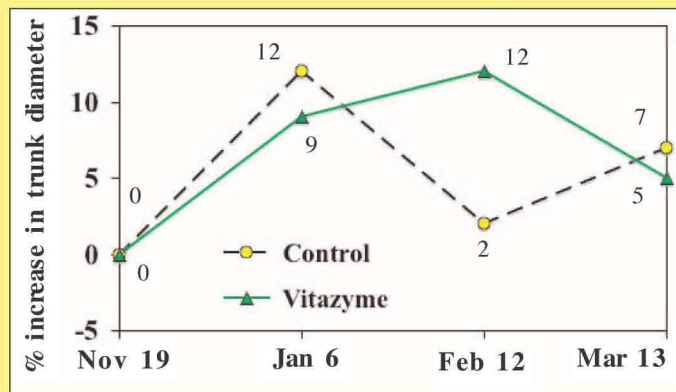
Vitazyme applications: (1) 1.0 liter/ha on the leaves and soil on November 6, 2008; (2) 1.0 liter/ha on the leaves and soil on December 15, 2008.

Arbosana Olives

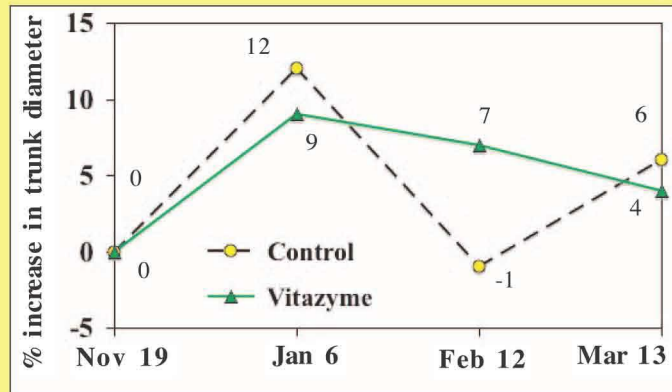
Arbequina Olives

Treatment	Trunk diameter				Change Nov. 19-Mar. 13	Trunk diameter				Change Nov. 19-Mar. 13
	Nov. 19	Jan 6	Feb. 12	Mar. 13		Nov. 19	Jan. 6	Feb. 12	Mar 13	
	----- cm -----									
Control	11.38	12.75	12.99	13.84	2.46 (+22%)	11.84	13.26	13.20	13.98	2.14 (+18%)
		(+12%)	(+2%)	(+7%)			(+12%)	(-1%)	(+6%)	
Vitazyme	8.68	9.47	10.62	11.12	2.44 (28%)	10.56	11.48	12.26	12.82	2.26 (+21%)
		(+9%)	(+12%)	(+5%)			(+9%)	(+7%)	(+4%)	

Trunk Diameter Change

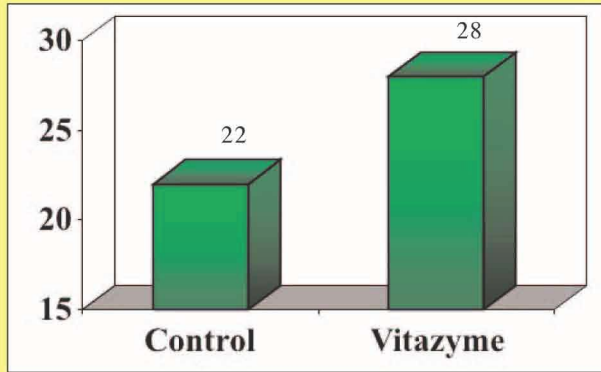


Trunk Diameter Change



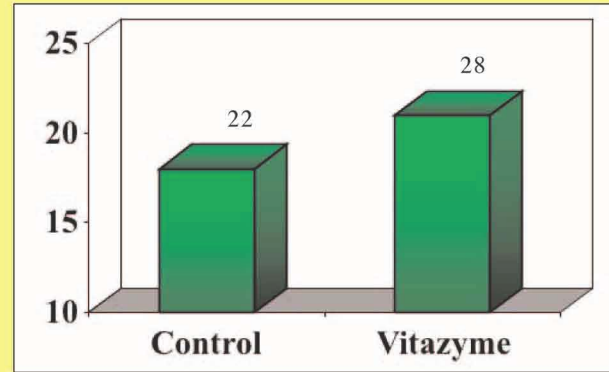
Arbosana Olives

Percent increase in trunk diameter



Arbequina Olives

Percent increase in trunk diameter



Improved increase in trunk diameter with Vitazyme

Arbosana olives	6%
Arbequina olives	3%

Conclusions: When Vitazyme was applied twice to olives at 1 liter/ha each time, the increase in trunk diameter with this product compared to the untreated control was 6% for Arbosana olives and 3% for Arbequina olives. These results show that Vitazyme is able to substantially improve olive growth and maturation in the Chilean environment.