

Trial EcoVigor: trial in roses

Product: EcoVigor
Crop: Roses

Trial setting: Commercial plantation
Location: Colombia

Objective

Increase production and length of stem

Methods

Eight beds of roses of three different varieties (Classy, First Red and Coral Sea) were used for the trial. Four beds with each variety were treated with EcoVigor/EcoNutrient, while the other four beds were used as controls.

EcoVigor (50 ml) and EcoNutrient (50 gr) were dissolved in 30 liters of water and applied by drench to each treated bed at the beginning of the trial. Maintenance doses of EcoVigor (10 ml) and EcoNutrient (10 gr) were dissolved in 15 liters of water and applied every week to each treated bed.

The flowers harvested during a period of one week in the treated beds and control beds after 6 months of treatment were collected, separated in stem length categories and counted.

Results

The flowers grown under both treatments were sorted in five categories depending on the size of the stems and counted under both treatments.

Variety	Treatment	Stem length					Total
		40	50	60	70	80	
Classy	Control	6	46	122	46	12	232
	EcoVigor	8	64	172	76	36	356
	% improvement	33%	39%	41%	65%	71%	53%
First Red	Control	0	0	108	102	60	270
	EcoVigor	0	0	114	156	114	384
	% improvement	-	-	6%	53%	90%	42%
Coral Sea	Control	30	82	92	62	14	280
	EcoVigor	6	66	104	106	56	338
	% improvement	-80%	-20%	13%	87%	133%	20%

The application of EcoVigor increased the total yield of roses in all three rose varieties. The magnitude of the improvement in total yield was between 20 and 53%.

The quality of roses improved with the addition of EcoVigor, as demonstrated by the higher percentage of flowers obtained under this treatment in the larger stem categories. For the 70 cm stems, the increase in rose production with EcoVigor oscillated between 53 and 87% over controls, and for the largest stem length category of 80 cm, this figure oscillated between 71 and 133%.

Number of roses produced in a week with and without EcoVigor (left axis), and percent improvement over controls in the number of flowers produced with EcoVigor under each stem length category (right axis).

