

Trial EcoVigor: Production of carnations

Product: EcoVigor **Trial setting:** Commercial farm
Crop: Carnations var. Nelson **Location:** Colombia

Treated Area: 10 beds
Control Area: 10 beds

Objective

Reduce populations of phyto-pathogenic nematodes

Method of product application

Twenty beds of carnations var. Nelson Red were used for the trial. Half of the beds was treated with EcoVigor/EcoNutrient, while the other half of the beds was used as control.

EcoVigor (50 ml) and EcoNutrient (50 gr) were dissolved in 15 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 number of flowers harvested in a single day in the treated beds and control beds after 6 months of treatment were collected and presented below.

Results

The flowers were sorted in four categories depending on the size of the stem (Select, Fancy, Standard and National) and counted under both treatments.

| Category of flowers | Control | EcoVigor |
|--------------------------------|----------------|-----------------|
| Select | 342 | 657 |
| Fancy | 371 | 286 |
| Standard | 225 | 238 |
| National | 137 | 152 |
| Total number of flowers | 1,075 | 1,333 |

The application of EcoVigor increased the total yield of flowers from 1,075 (Control beds) to 1,333 (Treated beds), representing an increase in daily total yield of 24%.

The quality of produced flowers increased with EcoVigor over control plants, with 92% more flowers in the Select category.