

Trial EcoVigor: field trial in potatoes

Product: EcoVigor **Trial setting:** Field
Crop: Potatoes var. criolla **Location:** Colombia

Objective

Increase yield and quality of potatoes

Methods

A 2 hectares field was divided in two 1 hectare sections, a control treatment field and an EcoVigor treatment field.

EcoVigor was applied three times during the 120 days growth cycle as follows:

- First application: at planting Dose applied: 1 gallon/ hectare
- Second application: at emergence. Dose applied: 1 gallon/ hectare
- Third application: side dressing. Dose applied: 1 gallon/ hectare

EcoNutrient was applied with EcoVigor at a dose rate of 1 kilogram of EcoNutrient per gallon of EcoVigor.

The same fertilizer, insecticide and fungicide programs used at the farm were applied under both treatments

Results

The potatoes were harvested and divided in three categories: Large, Medium and Small.

Treatment	Size of potatoes	Weight of potatoes	Percent
Control	Large	10,750	68.0
	Medium	4,124	26.1
	Small	937	5.9
Total		15,811	100
EcoVigor	Large	22,182	88.6
	Medium	2,687	10.7
	Small	162	0.6
Total		25,031	100

The application of EcoVigor during the growth cycle increased the total yield from 15,811 kg per hectare (Control plot) to 25,031 kg per hectare (Treated plot), representing a 58 % increase in total yield.

The quality of the produced potatoes increased with EcoVigor in the large size category from 68 % (Control plot) to 88.6 % (Treated plot) of the harvested potatoes, representing an increase in yield of 106 % in large sized potatoes.