



EcoFlora: Field Trial in Potatoes

Product: EcoFlora

Trial setting: Field trial

Crop: Potatoes var. Criolla

Location: Facatativá, Colombia

Methods

A 1.3 ha field was divided in a 7,625 m² plot used as control and a 3,000 m² plot for evaluation of EcoFlora. A highly appreciated variety of potato “Criolla” was planted and with the all the EcoCampo fertilizers and insecticides amendments.

The treated plot received three applications of EcoFlora at planting, emergence and at 40 days post emergence at a dose rate of 114 gr/3000 m² , equivalent to 378.5 gr/ ha/application (5.4 oz/acre/application).

Results

The crop cycle of this variety of potato is 120 days. At harvest the potatoes were separated in three categories, large (with the highest commercial value), regular, and discard.

Raw data per field

Treatment	Planted area (m ²)	Quality	Bags (62.5 kg) (137.8 lbs)	Weight (kg)
Control	7,625	Large Regular Discard	134 51 6	8,375 3,187.5 375
Total			191	11,937.5
EcoFlora	3,000	Large Regular Discard	106 9 1	6,625 562.5 62.5
Total			116	7,250

Treatment	Quality	Weight kg/ m ²	% variation
Control	Large	1.10	70.06
	Regular	0.42	26.75
	Discard	0.05	8.77
Total Control		1.57	
EcoFlora	Large	2.21	91.32
	Regular	0.19	7.85
	Discard	0.02	0.83
Total EcoFlora		2.42	+54%

Conclusion

There was not only a significant increase in total yield of 54%, but the most important results was that large potato production doubled in quantity under the EcoFlora treatment from 1.1 kg/ m² to 2.21 kg/ m²