

Field Trial: EcoFlora – Field Trial in Spices

Product: EcoFlora
Crop: Basil

Product Type: Plant and Soil Inoculant
Location: Miami, Florida, U.S.A.



Two different varieties of basil with different resistance to diseases were evaluated. The var. Genovese is susceptible to disease, while var. Bufar is considered resistant.

Basil seeds were planted in two beds made up with spagnum moss. EcoFlora was applied to one bed at a dilution rate of 1 lb per gallon. The control bed received only water. After 6 weeks the plants were transplanted to a sandy loam soil with an organic content of 2.8%. All plants were fertilized weekly with a soluble fertilizer (20-10-20) supplying 200 ppm N. A block design was applied with four replicates per treatment.

All plants were evaluated weekly for incidence of Fusarium. Plants with symptoms of the disease were sampled and the tissues were incubated in Komada media to determine presence of pathogenic fungi. The data were analyzed by Fisher's least significant difference method.

Results

Differences in incidence of Fusarium and crop production were found significantly different between control and EcoFlora treated plants for both varieties of basil ($p < 0.05$).

| Cultivar and Treatment | Incidence of Fusarium | Production kg per field |
|------------------------|-----------------------|-------------------------|
| Genovese Control | 29.2% | 3.566 |
| Genovese EcoFlora | 2.1% | 5.046 |
| Nufar Control | 2.1% | 5.109 |
| Nufar EcoFlora | 0% | 5.846 |

Questions or Concerns?

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