EcoFlora Field Trial in Basil

Product: **EcoFlora** **Trial setting:** **Field trial**
Crop: **Basil** **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 sphagnum moss. EcoFlora was applied to one bed at a dilution rate of 120 grams per liter (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