



EcoFungi Trial in Strawberries

Product: EcoFungi
Crop: Strawberries

Trial setting: Field trial
Location: Ventura, California

Methods

Rooted strawberry plants (var. Camarosa) were supplied by Lessen Canyon Nursery, Redding, California.

Trial beds consisted of 4 rows/ bed, and were 225' long, 68" wide and raised 12". The beds were covered with 1.5 mil. clear plastic prior to the placement of the rooted strawberry plants. Plants were 18" apart in alternating rows. Scotts Agriform Strawberry Mix 18-3-13 fertilizer was banded at 800 lbs per acre directly below where the plants were to be placed after the beds were shaped and prior to plastic being applied.

One pound of EcoFungi was dissolved in 10 gallons of water for 20 minutes and poured over a box of 1200 rooted strawberry plants. After 20 minutes the plants were removed and planted by hand into the beds. Control plants were planted the same day.

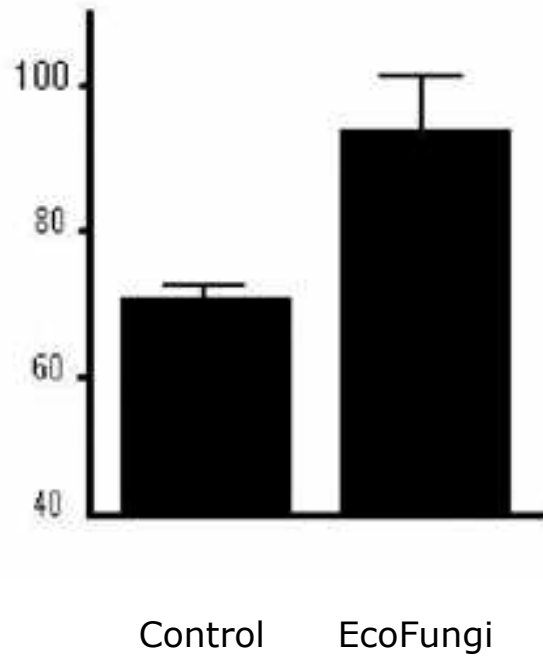
After growing for 6 months, randomly selected plants representing each treatment and row were excavated with a shovel. Washed roots systems, plant foliage, flowers and strawberries were carefully separated, weighted, dried for 48 hours at 70° C and re weighted. The number of strawberries were tallied for each plant. Root systems were cleaned, stained, and analyzed on a gridded Petri dish to determine mycorrhizal colonization percentage.

Results

The EcoFungi treatment increased root biomass by 230 %, foliage by 38%, number of flowers by 39%, number of fruits by 33% and fruit biomass by 41% over the control treatment. All differences were statistically significant ($p < 0.05$).

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Fruits per plant



Dry weight of fruits (grams/ plant)

