EcoMicrobials™

Field Trial: EcoFungi – Field Trial in Potatoes

Product: EcoFungi
Crop: Potatoes
Product Type: Mycorrhizal Inoculant
Location: N/a

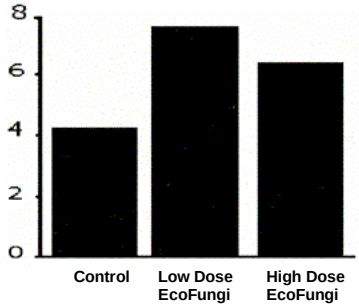
OMRI™ Listed
Organic Materials Review Institute

Thirty potatoes were treated with EcoFungi at dose rates equivalent to one pound for 2,000 potatoes (high) or 4,000 potatoes (low). The treated potatoes and the control potatoes were planted in a mixture of sand and soil (4:1). The plants were irrigated each 48 h for a 4 months period. After this growth period the plants were uprooted, washed, dried at 70° C for 48 h and the dry weight of the foliage, roots and produced potatoes were determined. The roots were stained and the degree of colonization was determined microscopically.

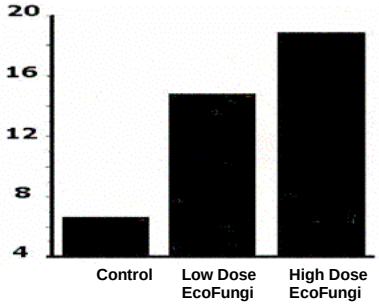
The treatment with EcoFungi yielded plants with statistically significantly higher dry weight of foliage, roots and potatoes than control plants ($p<0.5$). The number of potatoes produced was also statistically higher in the treated plants than in controls.

As a general rule a mycorrhizae that colonizes 25% of the root surface area is considered infective. In this study, the average mycorrhizal colonization of roots in control plants was 2% while in EcoFungi treated plants at low dosage rate this rate was 43%, and in high dose treated plants this rate was 51%. The rates of colonization reported for EcoFungi treated potatoes are some of the highest reported in the literature.

Potatoes Per Plant



Dry Weight of Potatoes per Plant (grams)



Questions or Concerns?

EcoMicrobials, LLC.
2000 North Bayshore Drive, Suite 205, Miami, FL 33137
Ph. +1 (305) 420-6633 Fx. +1 (305) 572-9020
Email Info@EcoMicrobials.com
Or visit us on the Web at http://www.EcoMicrobials.com