## **GRASS**

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## **OBJECTIVE:**

Assess the effect of mycorrizal inoculation on grass establishment.

## **METHODS:**

The trial was conducted on an existing lawn established on a poor loam soil a few years before. The lawn received no care but a periodical mowing. For this trial, reseeding was done with the following treatments: No inoculation inoculation or with mycorrhizal fungus Glomus intraradices at two different rates, 50 or 150 mg of product /m<sup>2</sup>. Half of the plots also received the organic fertilization with the "MYKE® 3 steps lawn organic fertilizer" applied at the recommended rate of 3.3 kg/100 m<sup>2</sup> and the other half got no fertilization. All treatments were arranged in a randomized complete block design with 8 replicates.

To determine the effect of the treatments, the presence and number of plants or the absence of plants was determined over the

season using a transect method. This count was done twice during the season, in June and in October 2005.

## **RESULTS:**

The results show that although grass densities and bare spots were similar between the plots at the beginning of the experiment, in October, plots treated with the mycorrhizal inoculants had a significant reduction of bare spots compared to the control (*p*=0,02). At the rate 50 mg/m² there were 21% and 5% less bare spots respectively without and with fertilization while at the rate 150 mg, significant decreases of bare spots by 26% and 23% respectively were observed.

A 16% increase in grass density (p=0,11) occured with the 150 mg rate, four months after seeding.

Effect of mycorrhizal inoculation on bare spots reduction

