

Two times faster establishment

GOLF BENTGRASS

M. Tardif and Y. Desjardins,
Laval University, Québec, 1998.

OBJECTIVE

Assess the impact of mycorrhizal inoculation on the establishment of bentgrass (*Agrostis*) seedlings.

METHODS

The field trial was conducted on a soil prepared as recommended by the USGA standards. Two different cultivars were studied, Cato and Providence. Both were seeded with a density of 750 grams per 100 m². *Glomus intraradices* was mixed with a perlite – vermiculite carrier and was incorporated at a rate of 250 ml per m². A 6- 3-6 fertilizer was applied every two weeks.

RESULTS

There was no difference in mycorrhizal response between the two cultivars. The figure illustrates the establishment of bentgrass (average mean of both cultivars) throughout the summer of 1998 (July 6 to September 7). Mycorrhizal inoculated plots showed significantly denser coverage throughout the season ($p \leq 0,05$). Mycorrhizal inoculated bentgrass had the same coverage after 4 weeks as the non mycorrhizal after 8 weeks.

Effect of mycorrhizal inoculation on grass establishment

