



Experimental Fungicides for the Control of Annual Bluegrass

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Several fungicides which have been marketed recently have plant growth regulating properties. These fungicides seem to affect annual bluegrass (*Poa annua* L.) while the fungicides have no detrimental effect on the creeping bentgrass (*Agrostis palustris* Huds.). The authors initiated a study in the early summer of 1995 to evaluate what effect multiple applications of two experimental fungicides with a similar mode of action have in reducing the infestation of *Poa annua* in creeping bentgrass plots.

The study is laid out in a completely random design with the amount of initial *Poa annua* infestation measured to equalize the plots. There are seven treatments, each fungicide at three rates and a control. The treatments are applied on a 21 day schedule, and phytotoxicity and total *Poa annua* ratings are measured approximately 14 days after application. Cutting height seems to play a large role in the degree of injury experienced by *Poa annua* and, therefore, after the second application of the treatments, the cutting height was lowered to 11/64 inches (.171 inches). The cutting height will be lowered to 5/32 inches (.156 inches) after a vigorous topdressing and rolling program is used to compact the thatch present in the plots to allow routine maintenance at this mowing height.