

Using Regional Fungicide and Nutrient Efficacy Studies to Make Recommendations for Curative Control of Dollar Spot on Bermudagrass Putting Greens. (C05-unruh110558-Oral)

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Abstract:

As ultradwarf bermudagrass putting greens become more intensively managed, dollar spot (*Sclerotinia homeocarpa*) has become a problem in the spring and fall. In spring 2002, fungicides were applied for curative control of dollar spot on 'TifEagle' bermudagrass. A total of 11 trials were arranged in randomized complete blocks with four replications per treatment. A total of 11 fungicides were tested alone or in combinations and at several rates. Most fungicides were applied in two applications 14 days apart (first on 28 March). Nitrogen applications using urea and nitroform urea, and combinations of nitrogen plus fungicide also were evaluated. Fungicides also were mixed with growth regulators to determine effects on control. Many treatments provided good control at label rates. Good control was provided by nitroform urea alone (4 lbs/1000) and in combination with fungicides. Iprodione, thiophanate-methyl, vinclozolin, propiconazole and chlorothalonil provided good control. Hydrogen dioxide did not. Triticonazole provided intermediate control when used alone. Addition of growth regulators did not improve fungicide efficacy and some phytotoxicity was observed.

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Presentation Information:

Presentation Date: Tuesday, November 12, 2002

Presentation Time: 3:00 pm

Keywords:

Bermudagrass Putting Greens, Dollar Spot, Fungicides