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IRRIGATION-DISEASE MANAGEMENT STUDY

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This study was established to determine the effects of irrigation on disease development and cultural practices. The three irrigation regimes consist of a daily irrigation treatment where .10 of an inch is applied daily; a 80% pan treatment where 80% of the water that evaporates from a pan is replaced; and no supplemental irrigation treatment where, the only, moisture supplied is from natural rain fall. Each treatment is replicated three times. Within each block one half has been seeded to a Kentucky bluegrass, blend and the other half has been sodded to the same blend to see if difference exist between seeded and sodded turfs to the various treatments.

A similar study conducted three years earlier show better quality turf in the daily irrigated plots than in the other irrigation treatments. There was a reduction in the amount of Helminthosporium melting out but an increase in the amount of dollar spot. In addition to looking at these two diseases again the plot will be inoculated with Phialophora graminicola the organism responsible for "Summer Patch" and Leptosphera korrae the organism responsible for "Necrotic Ring Spot" to study the effects or irrigation on these two patch diseases. 1.11 . .

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