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DETERMINING THE EFFECTS OF STANDUP AND PRIMO ON DIFFERENT SPECIES IN A MODULAR TURF SYSTEM INDOORS

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Introduction:

Specific management practices for the management of turfgrasses under reduced irradiance have been ascertained. However, any advancement for the management of turfgrasses under these conditions will greatly benefit turfgrass managers. Previous research has determined that the use of a plant growth regulator (Primo) will increase the wear and performance of turfgrass under low light conditions. However, the effects of using a potassium silicate (Standup) to increase the turgor of turfgrass under reduced lighting have not been determined. The objective of this study is to compare the effects of Standup and Primo on different turfgrass species (Kentucky bluegrass, supina bluegrass, and tall fescue) under low light levels.

Turfgrass is a living organism and with enough use, stress and possibly death will occur. This occurrence is even more likely to occur when the turfgrass is subjected to low light conditions. In addition, stadiums are becoming multi-use facilities. This puts a tremendous

amount of pressure on the turfgrass playing surface. The use of a modular turfgrass system is one way to assure that the stadium can be used as a multi-use facility while eliminating the unnecessary use of the turfgrass playing surface. For this experiment the performance of the different turfgrass will be tested using Hummer Turf Tiles. The Hummer Turf Tiles are a modular system that utilizes a shallow root zone profile (3 inches).

This study was initiated on 22 November 2000 and will run until June 2001. Results and conclusions will be published on the aforementioned web site at the conclusion of the investigation.

STUDYING THE EFFECTS OF DIFFERENT SEEDING RATIOS OF KENTUCKY BLUEGRASS AND TALL FESCUE FOR COVERED STADIA

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Introduction:

In August 2000 a study was initiated to test the performance of supina bluegrass and tall fescue seeded at different ratios (0, 5, 25, 100% supina bluegrass) for use as an athletic turf under low light conditions. The objective of the study is to determine the competitiveness of each species under low light conditions. Final establishment for turfgrass maturity will be done indoors under low light conditions. Results and conclusions will be provided at the end of the investigation in August 2001 and posted on the aforementioned web site.

SEEDING DIFFERENT TURFGRASSES UNDER REDUCED LIGHT FOR COVERED STADIA

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Introduction:

Beginning 18 December 2000, four turfgrass species will be compared for turfgrass establishment from seed under low light conditions. The four turves include supina bluegrass, Kentucky bluegrass, tall fescue, and tufted hairgrass. Results and conclusions will be provided at the end of the investigation in June 2001 and posted on the aforementioned web site.