Suitability of Seeded Bermudagrasses for Use on Athletic Fields. (C05-raciborski150754-Poster)

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Abstract:

Properly maintained athletic fields provide protection from injury during athletic activities and a surface which enhances athletic performance. Characteristics of a quality field are: uniform surface, excellent wear tolerance, quick recovery rate, good surface traction, acceptable field hardness, and smooth ball roll. In the southeast, the standard for athletic turf is hybrid bermudagrass (Cynodon dactylon X C. transvaalensis). 'Tifway' (419) is the most commonly used variety of hybrid bermudagrass. However, the quality of common bermudagrass (C. dactylon) available from seed has improved greatly since the introduction of improved varieties. Some of the new seeded varieties have been shown to have similar characteristics and quality to the once superior hybrid bermudagrasses. The objective of this study is to evaluate the new, improved seeded varieties for suitability for use on athletic fields. Six of the improved seeded varieties plus 'Tifway' were planted in early and late summer at two sites. Data collected was rate of establishment, shoot density, color and quality, fall color retention, winter kill, spring green-up, and torsional strength.

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