

Mowing Height, Fertility, and Biostimulant Effects on the Root Development of 'TifEagle'. (C05-tucker104227-Oral)

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Abstract:

A healthy root system is important to maintaining turf quality. The depth and distribution of roots affects how well the turf tolerates stress, and the efficiency of water and nutrient uptake. The benefits of a well-developed root system are well documented. However, the best management practices for developing healthy roots in the new ultradwarf bermudagrass varieties are not clearly understood. This research will examine the effects of varying nitrogen rates, mowing heights, and the addition of biostimulants on TifEagle root development. The change in root length over time, change in root length density, and the total surface area of the roots will be discussed.

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