Nutrient content of St. Augustinegrass. (C05-mccrimmon194534-Poster)

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Abstract:

St. Augustinegrass (Stenotaphrum secundatum (Walt.) Kuntze) is utilized in Louisiana and other Southern states for home lawns, and to a lesser extent for commercial lawns. Under moderate management, it provides an adequate stand of turf but when maintained at a higher level it will provide a denser, greener, and better quality stand of turf. There is limited information on the nutrient content of St. Augustinegrass. The objective of this study was to evaluate the response of St. Augustinegrass under high (H) and low (L) combinations of the following: 2 mowing heights (5.0 and 7.5 cm); 2 nitrogen (N) levels (227 and 454 g N/92.9 m (^2)/month); and 2 potassium (K) levels (227 and 454 g N/92.9 m (^2)/month). The treatment combinations were: HHH (mowing, N, and K), HHL, HLH, HLL, LHH, LHL, LLH, and LLL. Color, density, texture, uniformity, and quality were determined monthly (May-October). Both macronutrient and micronutrient content were determined. There were treatment differences for color, density, uniformity, and quality. The higher N rates provided better color and quality. There were treatment differences for both macronutrients and micronutrients.

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Presentation Information:

Presentation Date: Wednesday, November 13, 2002
Presentation Time: 10:00 am-12:00 pm
Poster Board Number: 1133

Keywords:

St. Augustinegrass, plant analysis