Transition Date of Axcella Annual Versus Perennial Ryegrass in a Bermudagrass Sod in Texas. (C05-nelson090849-Poster)

Authors:

- L.R.Nelson* Texas Agric. Exp. Station, Overton, TX.
- J.Crowder Texas Agric. Exp. Station, Overton, TX.

Abstract:

This study was conducted to determine the transition date of 'Axcella' in comparison to 'Premier II' and 'Durby' perennial ryegrass, and Showboat a blend of perennial and annual. Seed were overseeded onto a common bermudagrass sod in Experiment A on 22 October, and B on 5 November. Experiments were watered daily by sprinkler irrigation until seed had germinated and become established. In experiment A, differences in transition (death of ryegrass plants or stands) were noted as early as 24 April; these differences were 99% live plants for Premier II vs. 95% for Axcella. By 5 May, Axcella was 77% alive vs. 95% for Premier II. On 13 May, % living ryegrass was 13 and 90% for Axcella and Premier II, respectively, and on 29 May Axcella was completely dead compared to 86% living for Premier II. Premier II had 50% living plants on 7 June, and was dead by 19 June. In experiment B, we compared Axcella with Durby and Showboat. Results were similar, as on 13 May, Axcella was 10% ryegrass, while Durby and Showboat were about 72% alive. On 25 May, Axcella was transitioned out (dead), while Durby had 60% live plants and Showboat was 50% alive. By 19 June, Durby and Showboat were 99% dead.

Corresponding Author Information:

Lloyd Nelson Texas Agricultural Experiment Station P.O. Box 200 Overton, TX 75684 phone: 9038346191 fax: 9038347140 e-mail: lrnelson@tamu.edu

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