Quantifying Stand Density Differences in Grazed Tall Fescue Variety Trials. (C06-phillips163030-Poster)

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Abstract:

A stand of tall fescue cultivars that had undergone three years of intensive grazing by beef cattle was used to study different methods of evaluating stand density. Visual ratings and direct tiller counts were made for 15 cultivars with six replications. Differences among cultivars was statistically significant for both evaluation methods. The two methods had a significant correlation of 0.74. Even after three years of grazing pressure and two years of severe drought, average stand density was approximately 75%, with a range of 50-90%. Digital images of each plot were recorded, but resolution and contamination of plots by Kentucky bluegrass and quackgrass made analysis problematic.

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