

# TURFGRASS RESEARCH 2014



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Kansas State University  
Agricultural Experiment Station  
and Cooperative Extension Service

K-State Research and Extension is an equal  
opportunity provider and employer.

## Foreword

**Turfgrass Research 2014** contains results of projects conducted by K-State faculty and graduate students. Some of these results will be presented at the Kansas Turfgrass Field Day on August 7, 2014, at the Rocky Ford Turf Research Center in Manhattan. Articles included in this Report of Progress present summaries of research projects that were completed recently or will be completed in the next year or two. Notice that each article is now presented as an individual file. This allows you to go directly to articles you have interest in and allows us to link the articles in other media outlets we use, such as Twitter and weekly blogs.

We could not conduct the research in these reports without the support of the Kansas turfgrass industry. This support comes in many forms: organizations such as the Kansas Golf Course Superintendents Association and Heart of America Golf Course Superintendents Association hold tournaments to raise funds; companies such as Ryan Lawn and Tree make donations or sponsor trials to help evaluate plant protectants and fertilizers; and you support education in turfgrass science by attending the annual turfgrass conference and field day.

What questions can we answer for you? The K-State turfgrass research team strives to be responsive to the needs of the industry. If you have problems that you feel need to be addressed, please let one of us know. You can access current turfgrass research reports, reports from previous years, and all K-State Research and Extension publications relating to turfgrass online at:

*[www.ksuturf.org](http://www.ksuturf.org)*  
and  
*[www.ksre.ksu.edu/bookstore](http://www.ksre.ksu.edu/bookstore)*



Industry involvement is critical for support of turfgrass research and education. Here, Ty McClellan, Education Director for the United States Golf Association (squatting in front) and Matt Gourlay, golf course superintendent at Colbert Hills Golf Course in Manhattan, visit with K-State students about green speed. Ty and Matt are graduates of the K-State golf course management program.

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