

Introduction

Nick E. Christian , David D. Minner, and Shui-Zhang Fei

The following research report is the 27th yearly publication of the results of turfgrass research projects performed at Iowa State University. This is the ninth year that the entire report is available on the Internet. This report and the previous years' reports can be accessed at:

<http://turfgrass.hort.iastate.edu/>

In 2005 and spring of 2006, a new NTEP Kentucky bluegrass trial was established, space plantings of colonial bentgrass and buffalograss were initiated, and a series of new herbicide studies were begun. The trials on fairway and green conversion with Roundup Ready® creeping bentgrass were terminated and all Roundup Ready plant material was eliminated. Dr. Fei received funding from the United States Golf Association (USGA) to study molecular mechanisms of freezing tolerance in perennial ryegrass and that work was begun in 2006. Dr. Minner finished the winter survival of turf on golf course greens study funded by the Golf Course Superintendents Association of America (GCSAA) and publications are being prepared on the results of the three year student.

New fairway height creeping bentgrass, green height creeping bentgrass, and fine fescue studies were established in the fall of 2003. These plots will be on the field day program on July 27, 2006.

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We would like to express special thanks to our industry supporters who provided equipment and supplies to the turf program in 2005. Without their support, many of the things we do would not be possible. There is a list of supporters and the end of this report. If we missed anyone that should be on the list, please contact Nick Christians and your company name will be added to the web site list.

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Edited by Nick Christians, David Minner and Shui-Zhang Fei, Iowa State University, Department of Horticulture, Ames, IA 50011-1100.