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2006-2007 Small Grain Performance Tests

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Editors



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PREFACE

Results of the 2006-2007 performance tests of small grains grown for grain and forage are printed in this research report. Grain-evaluation studies were conducted at five locations in Georgia, including Tifton, Plains, and Midville in the Coastal Plain region, Griffin in the Piedmont region, Calhoun in the Limestone Valley region, and at Marianna, Florida. Small grain forage evaluation tests were conducted at four locations in Georgia, which included Tifton and Plains in the Coastal Plain, Griffin in the Piedmont, and Calhoun in the Limestone Valley region, and at Marianna, Florida. For identification of the test locations, consult the map on following page.

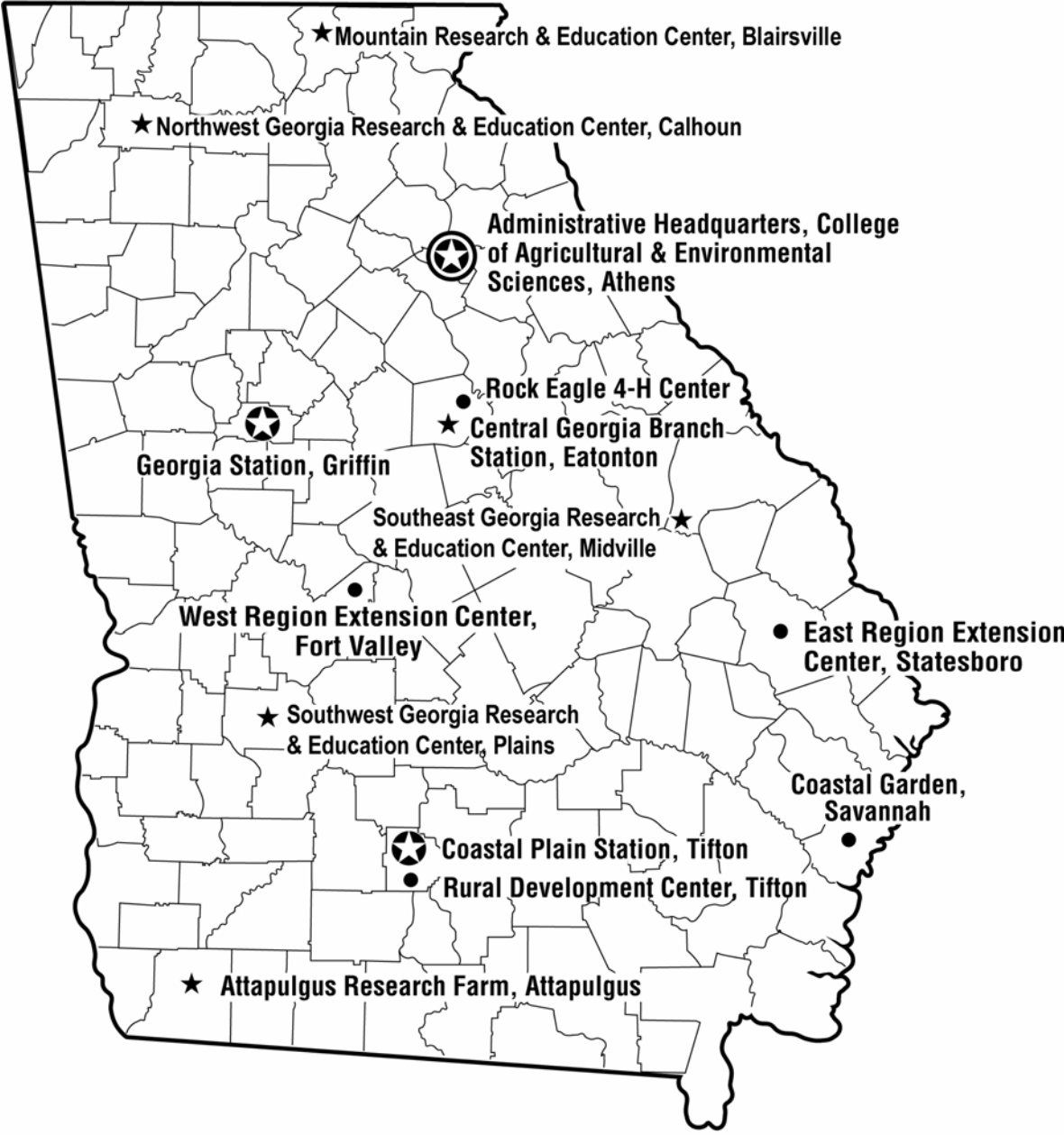
Grain yields are reported as bushels per acre at 13.5% moisture for wheat, 13% for triticale and rye, 12.5% moisture for oats, and 12% moisture for barley. Additional agronomic data such as plant height, lodging, disease incidence, etc., are listed along with the corresponding yield data. Information concerning culture and fertilizer practices used is included in footnotes. Due to small grain forage systems in Georgia clipping of rye plots in the rye forage trials discontinued on or about March 31st. Since the average yield from several years indicates a variety's potential better than a single year's data, multiple-year yield summaries are included.

In order to have a broad base of information, a number of varieties, including experimental lines, are included in the tests, but this does not imply that all are recommended for Georgia. Varieties best suited to a specific area or for a particular purpose and agreed upon by College of Agricultural and Environmental Sciences scientists are presented in the Cultural Practices section and also in the 2007 Fall Planting Schedule for Georgia (available at your county extension office). For additional information, contact your local county extension agent or the nearest UGA campus, Research and Education Center, or extension center.

The Least Significant Difference (LSD) at the ten percent level has been included in the tables to aid in comparing varieties and tests. If the yields' difference of any two varieties exceeds the LSD value, they can be considered different in yield ability. **Bolding** is used in the performance tables to indicate entries with yields statistically equal to the highest yielding entry in the test. The standard error (Std. Err.) of an entry mean is included at the bottom of each table to provide a general indicator of the level of precision of each variety experiment. The lower the value for the standard error of the entry mean, the more precise the experiment.

This report is one of five publications presenting the performance of agronomic crops in Georgia. For information concerning other crops, refer to one of the following research reports: 2006 Corn Performance Tests (Report 707), 2006 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests (Report 708), 2006 Peanut, Cotton and Tobacco Performance Tests (Report 709), and 2005-2006 Canola Performance Tests (Report 706).

This report, along with performance test information on other crops, is also available at our web site www.swvt.uga.edu. Additional information may be obtained by writing to Mr. J. LaDon Day, Department of Crop and Soil Sciences, Griffin Campus, 1109 Experiment Street, Griffin, GA 30223-1797.



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