



The Georgia Agricultural Experiment Stations  
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# **Georgia**

## **2004-2005 Small Grain**

### **Performance Tests**

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## PREFACE

Results of the 2004-2005 performance tests of small grains grown for grain and forage are printed in this research report. Grain-evaluation studies were conducted at five locations, including Tifton, Plains, and Midville in the Coastal Plain region, Griffin in the Piedmont region, and Calhoun in the Limestone Valley region. 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 below.

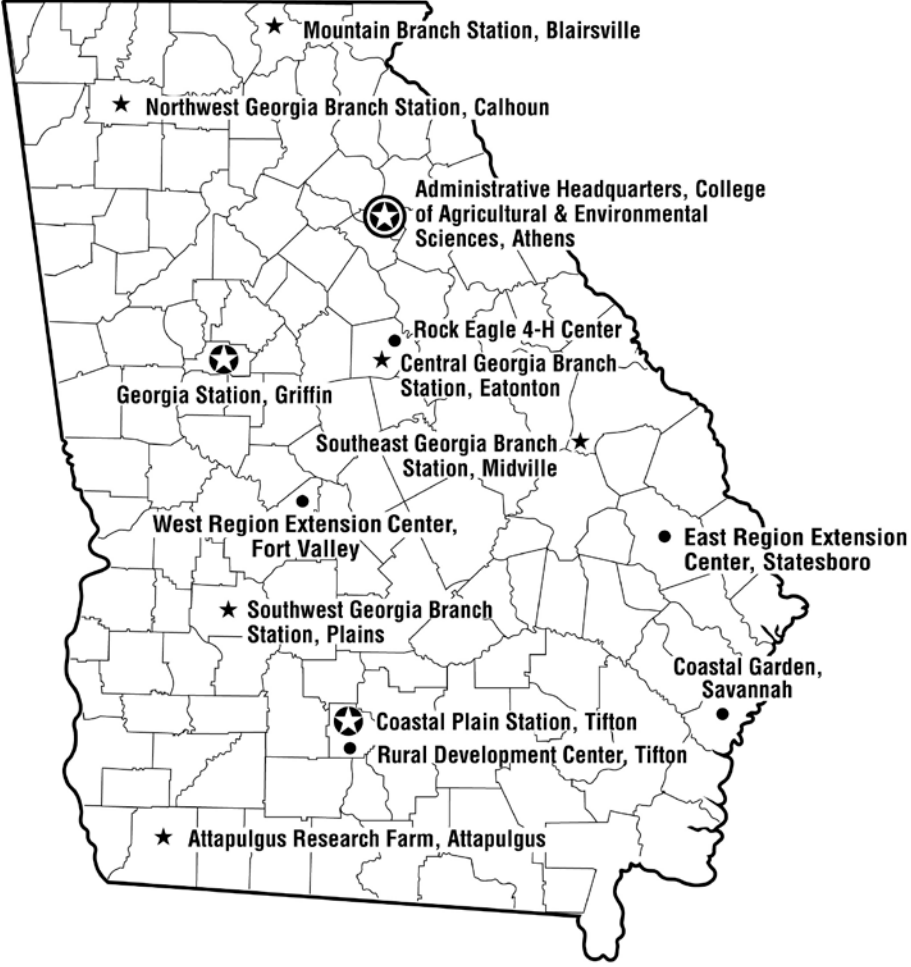
Grain yields are reported as bushels per acre at 13.5% moisture for wheat, 13% for triticale and rye, 12.5% moisture for oats, and 12% moisture for barley. Additional agronomic data such as plant height, lodging, disease incidence, etc., are listed along with the corresponding yield data. Information 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 31<sup>st</sup>. There were some exceptions this small grain growing season as wet soil delayed harvests at Plains and Marianna, FL until April. 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 on pages 3 and 4 and also in the 2005 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: 2004 Corn Performance Tests (Research Report 696), 2004 Soybean, Sorghum Grain and Silage, Grain Millet, and Summer Annual Forages Performance Tests (Research Report 697), 2004 Peanut, Cotton and Tobacco Performance Tests (Research Report 698), and 2003-2004 Canola Performance Tests (Research Report 695).

This report, along with performance test information on other crops, is also available at our web site [www.griffin.uga.edu/swvt](http://www.griffin.uga.edu/swvt). 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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