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College of Agricultural and Environmental Sciences
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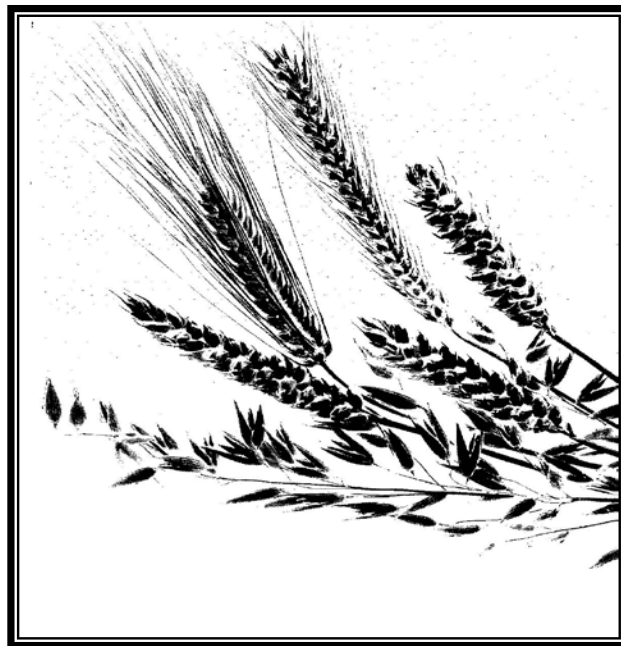
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Georgia

2009-2010 Small Grain

Performance Tests

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Editors



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PREFACE

Results of the 2009-2010 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.

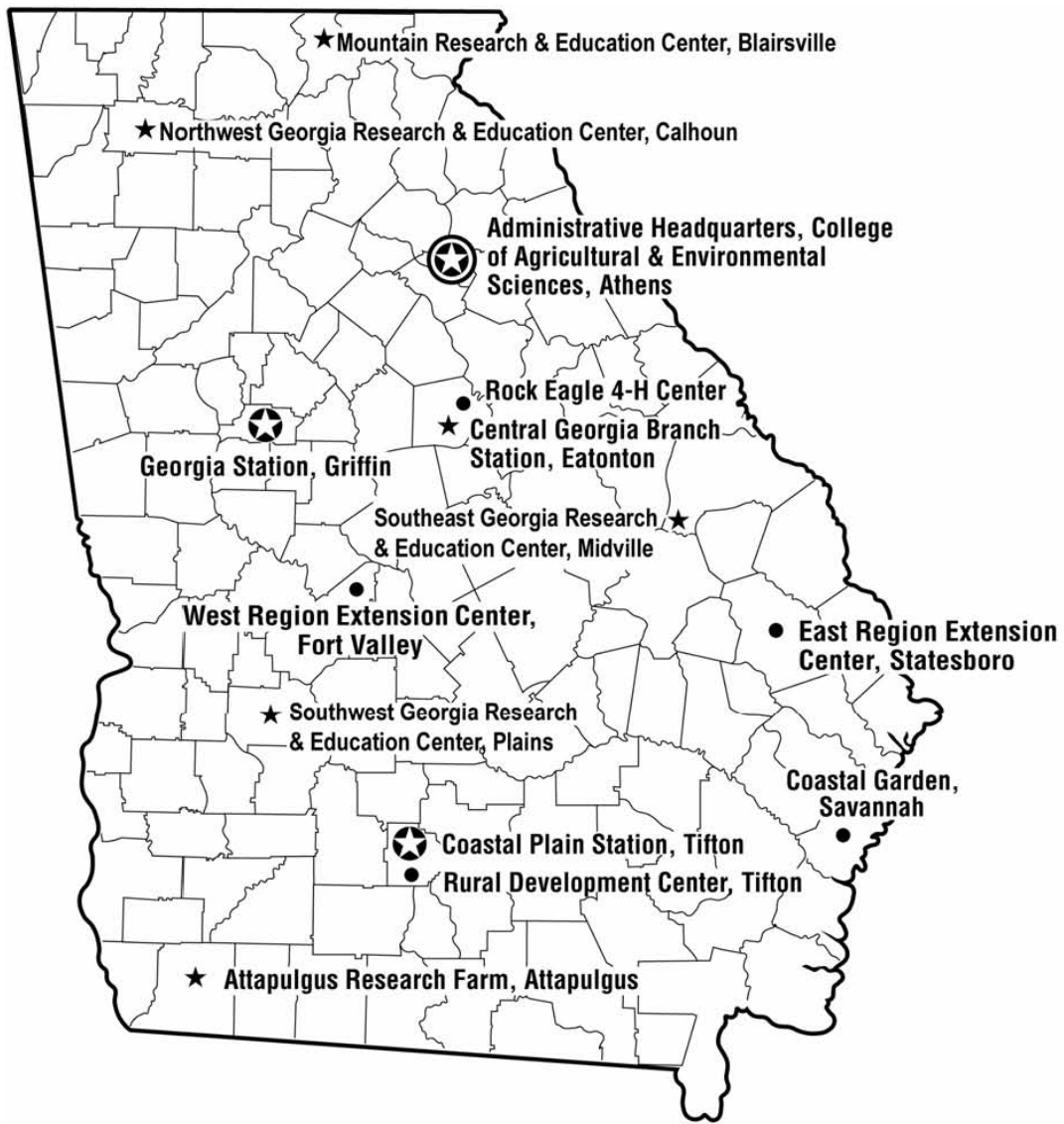
Grain yields are reported as bushels per acre at 13.5% moisture for wheat, 13% for triticale and rye, 12.5% moisture for oats, and 12% moisture for barley. Additional agronomic data such as plant height, lodging, disease incidence, etc., are listed along with the corresponding yield data. Information concerning culture and fertilizer practices used is included in footnotes. 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 4 and 5 and also in the 2010 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: 2009 Corn Performance Tests (Annual Publication 101), 2009 Soybean, Sorghum Grain and Silage, Summer Annual Forages, and Sunflower Performance Tests (Annual Publication 103), 2009 Peanut, Cotton and Tobacco Performance Tests (Annual Publication 104), and 2008-2009 Canola Performance Tests (<http://www.swvt.uga.edu/canola.html>).

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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