

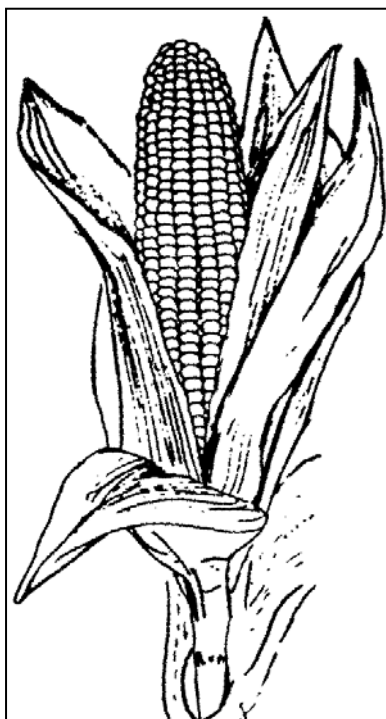


The Georgia Agricultural Experiment Stations
College of Agricultural and Environmental Sciences
The University of Georgia

Annual Publication
Number 101
October 2009

Georgia 2009 Corn Performance Tests

Anton E. Coy, J. LaDon Day, and John D. Gassett
Editors



**Department of Crop and Soil Sciences
Griffin Campus**

PREFACE

In this research report, the results of the 2009 corn performance trials are presented. Corn performance trials were conducted at six locations throughout Georgia (see map on next page) in 2009. Short-season and mid-season hybrids were planted at Tifton, Plains, and Midville in the Coastal Plain region, at Griffin in the Piedmont region, at Calhoun in the Limestone Valley region, and at Blairsville in the Mountain region. Hybrids used for silage were evaluated at Tifton, Griffin, Calhoun, and Blairsville. Preliminary experimental hybrids were tested at Tifton only.

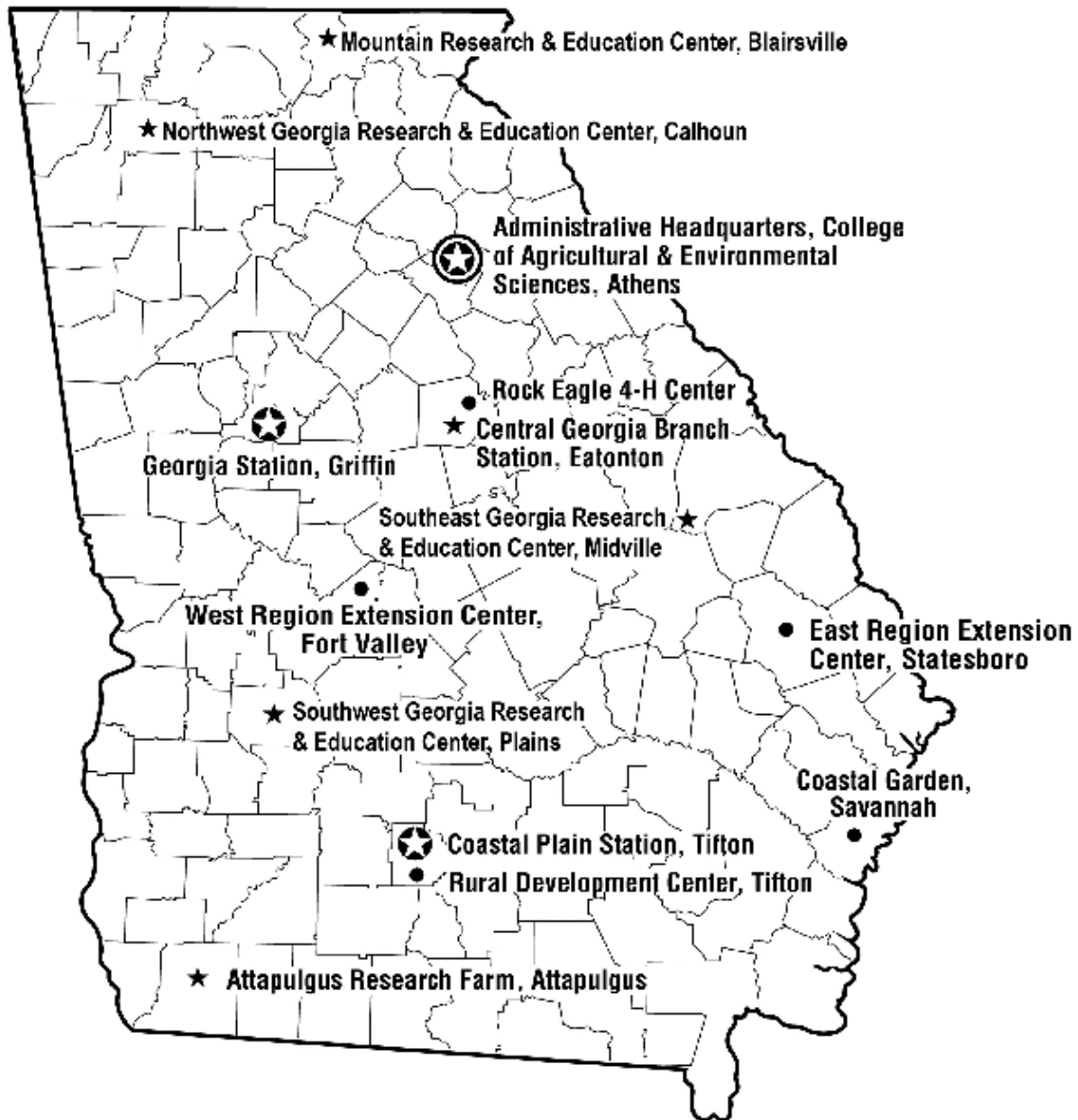
At each site all plots within a maturity group were seeded at the rates specified and not thinned, and the populations at harvest are included in the tables. Information concerning fertilization and cultural practices used in each trial is included with the tables. Grain harvesting was done with a plot combine, and yields were adjusted to 15.5% moisture. Since data averaged over several years indicate a hybrid's yield potential better than data from only a single year, average yields over several years are included in this report.

The least significant difference (LSD) at the 10% level has been included in the tables to aid in comparing hybrids. If the yields' difference of any two hybrids exceeds the L.S.D. value, they can be considered different in yield ability. **Bolding** is used in the performance tables to indicate hybrids 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 experiment. The lower the value of the standard error of the entry mean, the more precise the experiment.

Producers of hybrid seed corn are invited to enter their hybrids in the Georgia performance trials. Most hybrids entered are commercially available in Georgia, but a few experimental hybrids are also entered. Entry of a hybrid in these trials does not imply endorsement or recommendation by the University of Georgia College of Agricultural and Environmental Sciences.

This report is one of four publications presenting the performance of agronomic crops in Georgia. For information concerning the performance of other crops, refer to one of the following research reports: 2009-2010 Small Grains Performance Tests (Annual Publication #100), the 2008 Soybean, Sorghum Grain and Silage, Summer Annual Forages and Sunflower Performance Tests (Report #718), and the 2008 Peanut, Cotton and Tobacco Performance Tests (Report #719).

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 J. LaDon Day, Crop and Soil Sciences Department, University of Georgia, Griffin Campus, 1109 Experiment Street, Griffin, GA 30223-1797.



★ Main Experiment Station ★ Branch Station ● Extension Center

Cooperators

- Dr. D. Buntin, Entomology Department, Georgia Station, Griffin, Georgia.
Dr. Kedong Da, USDA-ARS, Coastal Plain Station, Tifton, Georgia.
Mr. H. D. Garrett, Mountain Research & Education Center, Blairsville, Georgia.
Mr. J. Garner, Mountain Research & Education Center, Blairsville, Georgia.
Dr. B. Z. Guo, USDA-ARS, Coastal Plain Station, Tifton, Georgia
Dr. G. Hoogenboom, Biological and Agricultural Engineering Department,
Georgia Station, Griffin, Georgia.
Mr. S. R. Jones, Southwest Research & Education Center, Plains, Georgia.
Dr. X. Ni, USDA-ARS Crop Genetics & Breeding Research Unit,
Coastal Plain Station, Tifton, Georgia.
Mr. R. R. Pines, Southwest Research & Education Center, Plains, Georgia.
Mr. E. T. Ross, Coastal Plain Station, Tifton, Georgia.
Mr. J. Stubbs, Northwest Research & Education Center, Calhoun, Georgia.
Dr. J. P. Wilson, USDA-ARS, Genetics & Breeding Research Unit,
Coastal Plain Station, Tifton, Georgia.
Mr. P. C. Worley, Northwest Research & Education Center, Calhoun, Georgia.

Contributors

The following individuals contributed to the gathering of data and preparation of this report: L. Adcock, B. Arrington, R. Beasley, B. Berry, R. Brooke, J. Chavers, J. Cook, J. Cox, A. Dale, D. Dunn, M. Flynn, R. Giddens, M. Gilmer, A. Hammond, N. Hill, R. Jackson, J. Lewis, J. Mullis, C. Pearl, J. Penn, W. Pope, H. Roberts, T. Robinson, J. Skinner, J. Sparks, D. Stephens, P. Tapp, G. Ware, and K. Wright.