

Minnesota

VARIETAL TRIALS RESULTS

To help growers select varieties best adapted to a specific area, the Minnesota Agricultural Experiment Station (MAES) compares varieties in trial plots at St. Paul, Becker, Crookston, Grand Rapids, Lamberton, Morris and Waseca, and in farmers' fields. Crop varieties are grown in replicated plots at each location, and factors affecting their yield and characteristics are as nearly the same as possible for all varieties at each location.

Not all crop varieties included in previous editions of Minnesota Varietal Trials are included in this 2007 edition. If you have a question about such a crop, contact the author(s) of the related crop section at 612-625-2740 or go to the MAES web site at www.maes.umn.edu.

Certified Seed

Use of certified seed is suggested, but certification in itself does not imply recommendation. Registered and certified seed of most varieties described in this report can be purchased from seed dealers or grower-members of the Minnesota Crop Improvement Association (MCIA). You can find sources of certified and registered seed at the MCIA web site, www.mcia.org.

Interpreting the tables

The LSD (least significant difference) numbers beneath yield columns in tables are statistical measures of variability within trials. The LSD is used to determine whether the difference between two yields is due to a genetic difference in the varieties or to other causes, such as environmental variability.

If the yield difference between two varieties equals or exceeds the LSD value for the yield column, the higher-yielding variety probably was superior in yield. If the difference is less than the LSD the yield difference probably was due to environmental factors. An "NS" notation in a column indicates no significant difference for that characteristic. The relative maturities of varieties are variously indicated in the tables as date of maturity; date of heading or blooming; days to maturity, heading or blooming; or moisture percentage at harvest.

These varietal trials are not designed for crop (species) comparisons. The crops are grown on different fields and with different management. The data should be used only to compare varieties within a table.

Abbreviations

To save space in variety descriptions and some other listings, "agricultural experiment station" often is abbreviated as AES.

Researchers

R. Dill-Macky and B. Steffenson, Department of Plant Pathology; J. Kolmer, USDA-ARS Cereal Disease Laboratory; and F. Kolb, University of Illinois-Urbana, obtained information on the reaction of crop varieties to specific pathogens. Gary Harland, USDA-ARS Wheat Quality Laboratory, Fargo, provided grain-quality data. Experiment Station, Extension and Research and Outreach Center personnel who assisted with the 2006 trials include L.M. Behnken, M.D. Bickell, D. Brauten, F.R. Breitenbach, L. Carey, B. Craig, V.W. Crary, J.L. Halgerson, D.L. Holen, N.L. Johnson, H. Kandel, J.D. Larson, D.C. Martens, H. Schumer, D.R. Swanson and J.V. Wiersma.

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Certified and registered seed sources: Available at www.mncia.org.

In accordance with the Americans with Disabilities Act, this information is available in alternative forms upon request. Contact the University of Minnesota Distribution Center at 612-625-8173.

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