



MISSISSIPPI AGRICULTURAL AND FORESTRY EXPERIMENT STATION

2024-25 WHEAT AND OAT VARIETY TRIALS

PROCEDURES

- (1) The Mississippi Agricultural and Forestry Experiment Station (MAFES) will attempt to conduct wheat variety trials at 6-8 sites and oats at 4-5 sites in 2024-2025.
- (2) Experimental design will be a randomization complete block. Seed will be planted under conventional management practices in replicated (4 reps) plots at a rate of 20 seeds per foot of row in 7.5-inch wide rows with 7 rows per plot. Plots will be planted at approximately 18' and trimmed back to a uniform plot length of approximately 16'. Planting will be attempted between October 15 and December 1, weather permitting.
- (3) All experimental sites will be limed and fertilized according to soil test recommendations. **Fungicide/Insecticide treated seed are encouraged but all treated seeds are required to be labeled with name of any treatment(s) used.** Participants should provide current data on germination.
- (4) Plots will be observed during the growing season and differences which may influence performance will be recorded. Information on variety or strain performance will be published during August each year. Data published will include seed yield, plant height, lodging, disease ratings (where applicable), and test weight. Seed yield data will be analyzed by analysis of variance and other appropriate statistical tests. Any information on difference in reaction to pest problems will be reported.
- (5) Participants are required to provide 25 pounds of wheat seed and 10 pounds of oat seed for each variety or advanced breeding line. If this volume is an issue, please contact us to see if a lesser amount will suffice.

A fee of \$600.00 will be charged per entry on wheat and \$300.00 on oats. The seed and fee are to be sent to MAFES Variety Testing by **October 1, 2024 at:**

Shipping address:
MAFES Variety Testing
Attn: Brad Burgess
650-1 Stone Boulevard
Mississippi State, MS 39762

Mailing address:
MAFES Variety Testing
Attn: Brad Burgess
Box 9811
Mississippi State, MS 39762

- (6) **NOTE: Please specify if a variety has been entered previously under a different name or experimental number.**