

January 5, 2024

TO: Companies Participating in the Grain Sorghum Variety Trials
FROM: Brad A. Burgess
Director, MAFES Variety Testing/Foundation Seed
SUBJECT: 2024 GRAIN SORGHUM VARIETY TRIALS

This memo and attached information is to announce our 2024 procedures and invite you to participate in our grain sorghum testing program.

Please complete and return the entry form and General Services Agreement forms by the date indicated.

We appreciate your support of our Variety Testing Programs.

Brad Burgess

MISSISSIPPI AGRICULTURAL AND FORESTRY EXPERIMENT STATION

2023 GRAIN SORGHUM VARIETY TRIALS

PROCEDURES:

- (1) Hybrids will be planted at designated seeding rate that is indicated on the entry form.
- (2) Experimental design will be a randomized complete block with four replications. Plot size will be either, two (2) rows 30" wide, two (2) rows 38" wide (twin drill), two (2) rows 40" wide or three (3) rows 19" wide, approximately 16 feet long. The row spacing and configuration is dependent on each locations limitations. Fisher's Protected LSD statistic at the 5% level of significance will be used to separate means.
- (3) All experimental sites will be limed and fertilized according to soil test recommendations. An attempt will be made to plant 3 locations in 2023, one location in the delta and 2 locations in the Hill region of MS.
- (4) Data published following harvest will include plant height, grain yield, head exertion, head compactness, lodging and grain moisture. When appropriate data can be collected, hybrid response to pests will also be reported.
- (5) The fee for participation in the program is **\$100 per entry**. Companies must provide **five (5) pounds of seed for each hybrid entered**.