

January 12, 2021

TO: Companies Participating in the Corn Hybrid Variety Trials

FROM: Brad A. Burgess
Director, MAFES Variety Testing/Foundation Seed

SUBJECT: 2021 CORN HYBRID GRAIN TRIALS

This memo and attached information is to announce our 2021 procedures and invite you to participate in our corn hybrid evaluation program.

Please complete and return the Application and Seed by the date indicated.

We appreciate your support of our Variety Testing Programs.

BAB/DA

MISSISSIPPI AGRICULTURAL AND FORESTRY EXPERIMENT STATION

2021 CORN HYBRID VARIETY TRIALS (GRAIN)

PROCEDURES:

- (1) Trials will be planted at ten (10) locations in 2020. Hybrids may be planted at 28,000 – 34,000 (Non-Irrigated) and 32,000 – 38,000 (Irrigated) seeds per acre as selected by the sponsoring company. Each plot will be overplanted by an additional 5% above the selected seeding rate. This will be done to try and insure that selected plant population is obtained. You are responsible for selecting an appropriate plant population for either irrigated or dryland culture for each hybrid entry. In other words, the planting rate for each hybrid may vary according to whether it is grown in either irrigated or dryland culture. For example, Corn Hybrid 007 (non-irrigated) can be grown in Dryland trial locations at 28,000 per acre, and grown at Irrigated locations at 36,000 per acre.
- (2) Experimental design will be a randomized complete block with four replications. Plot size will be two (2) rows 30" wide approximately 15 feet long. Fisher's Protected LSD statistic at the 10% level of significance will be used to separate means.
- (3) The state will be divided into Irrigated and Non-irrigated environments. Areas and locations will be at or near the following:

Non-irrigated

DeSoto County (grower cooperator field)
Monroe County (grower cooperator field)
Noxubee County (Black Belt Branch)
Stoneville (Delta Research & Extension Center)
Raymond (Brown Loam Branch)
Verona (Northeast MS Branch Experiment Station)

Irrigated

Tallahatchie County (grower cooperator field)
Issaquena County (grower cooperator field)
Stoneville (Delta Research & Extension Center)
Noxubee County (grower cooperator field, irrigated)

- (4) All experimental sites will be limed and fertilized according to soil test recommendations.
- (5) Data published in the fall following harvest will include grain yield, root and/or stalk lodging, ear height, plant height and grain moisture. When appropriate data can be collected, hybrid response to pests will also be reported.
- (6) The fee for participation in the program is **\$750 per hybrid entry, per area tested**. A **\$50 discount per entry will be applied to hybrids received prior to the entry deadline, stated on the entry form**. Companies must provide **ten (10) pounds of seed or 15,000 kernel count for each hybrid entered**. Seed must be treated with an insecticide seed treatment. **Please indicate seed treatment on entry form**.
- (7) Please provide information for all GMO hybrids listed on survey sheet. This includes listing all traits for each hybrid and how you would like them listed in the publication.
- (8) **PLEASE INDICATE PREVIOUS NAME IF A HYBRID HAS BEEN PREVIOUSLY SUBMITTED AS AN EXPERIMENTAL.**

PLEASE EMAIL or MAIL COMPLETED ENTRY FORM AND SEED TO:

MAFES VARIETY TESTING
Attn: Brad Burgess (brad.burgess@msstate.edu)
Box 9811, 650-1 Stone Boulevard
Mississippi State, MS 39762

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