



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

Ohio Agricultural Research and Development Center

Department of Horticulture and Crop Science

1680 Madison Avenue
Wooster, Ohio 44691-4096

Phone: 330-263-3878

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January 10, 2022

Dear Seedsmen:

Your company is invited to participate in the 2022 Ohio Corn Performance Test. The program provides farmers, seed corn companies, and university personnel with information on the relative performance of corn hybrids grown under Ohio conditions. We would also welcome an opportunity to evaluate new seed technologies, seed treatments, and specialty corns which you may be marketing or planning to market in Ohio. For details on the protocol we will be using to conduct the corn hybrid trials, please see the PLANS AND GUIDELINES attached.

Hybrid performance results will be published as an insert in *Ohio's Country Journal* and posted on our web site at <http://ohiocroptest.cfaes.osu.edu/corntrials>. Individual location results will be presented in this report plus the two and three year averages. Results of past years can be viewed on our web site in the archive section.

Please submit your entries on the attached registration forms and return with fee payment by March 15, 2022 to ensure acceptance of your entries. Seed shipments should be sent no later than March 31, 2022. If seed shipment is delayed for any reason (winter nurseries, etc.) please let us know so we can plan accordingly.

In addition to the Ohio Corn Performance Test, the Silage Performance Test in conjunction with Michigan State University will continue this year. Details for the Organic Corn Performance Test will be available on-line by the end of January.

We look forward to your participation in the 2022 Ohio Corn Performance Test. Please let us know if you have questions or need additional information concerning entry in any of corn testing programs. I can be reached at 614-578-9925 (email: minyo.1@osu.edu). Thank you.

Sincerely yours,

Richard Minyo
Ohio Corn Performance

Enclosures



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2022 OHIO CORN PERFORMANCE TEST Plans and Guidelines

OBJECTIVE:

To provide an unbiased source of information on corn hybrids currently available to Ohio farmers. We welcome all seed companies marketing seed corn in Ohio to participate in these trials.

TEST SITE LOCATIONS:

The 2022 Ohio Corn Performance Test will be conducted with ten locations divided into three geographic regions. See attached Ohio map for the proposed location of each test. Regions were determined by general soil types and climatic differences. Each region has high or moderate fertility and various tillage practices.

Regional Site Locations	Fertility	Tillage
Southern and West Central		
Licking County	High	Min-Tillage
Fayette County	Moderate	Min-Tillage
Clark County	High	Stale Seedbed
Darke County	Moderate	Stale Seedbed
Northwestern		
Van Wert County	Moderate	Strip Tillage
Wood County	High	Stale Seedbed
Wyandot County	High	Min-Tillage
North Central and Northeastern		
Crawford County	Moderate	No-Tillage
Wayne County	High	Min-Tillage
Mahoning County	Moderate	No-Tillage

METHOD OF SELECTING ENTRIES:

Producers of seed corn available to Ohio farmers may submit an unlimited number of entries in the Ohio Corn Performance Test. To increase the usefulness of this information we encourage the entry of hybrids for more than one year. Hybrids are tested at all locations within each region entered. We recommend medium flat or medium round seed sizes for optimum planting accuracy.

Experimental hybrids may be entered. Companies entering experimental hybrids will be notified of the hybrid performance before publication of the results and given the option to include the data in the publication. This decision must be made promptly to meet printing deadlines. Company representatives are responsible for the appropriate timely notification to the project manager of the commercial sales numbers assigned to experimental hybrids.

FEE SCHEDULE AND SEED REQUIREMENTS:

The Southern/West Central Region entry fee is \$325.00 per hybrid. The Northwest and North Central/Northeast Region entry fee is \$275.00 per hybrid. Please return the entry form, fee, and seed (4 pounds per entry per region) to the address shown on the entry form. Deadline for entries is March 15, 2022 to ensure acceptance of entries. Seed should be sent no later than March 31, 2022. If seed shipment is delayed for any reason (winter nurseries, etc.) please let us know so we can plan accordingly.

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SEED TREATMENTS AND VALUE-ADDED TRAITS:

Seed treatment and value-added trait information will be published in 2022. Please indicate any seed treatments (fungicides, insecticides, nematicides) and value-added traits on the entry form in the provided spaces.

PLOT DESIGN:

Hybrids will be planted in three replications per location using a randomized complete block design. Hybrids will be split into early and full season maturity groups based on company provided relative maturity information. We reserve the option of placing a hybrid in the appropriate maturity test based on a hybrid's grain moisture from the previous year's test. Each replication will consist of a four-row plot with the center two rows harvested. Plot rows will be 25 feet in length by 30 inches wide. Plots will not be thinned. A recommended seeding rate (seeds per acre) is requested from the company for each hybrid entered. If not indicated on the entry form, the seed drop will be approximately 34,000 seeds per acre. We urge careful consideration of the desired planting rate.

PRODUCTION PRACTICES:

Hybrids will be planted with an Almaco Seed Pro 360 precision 4 row planter with SkyTrip GPS and hydraulic variable rate drive. Plots at the high fertility sites will be fertilized to obtain optimum yield potential. Force 6.5G insecticide will be applied to help insure uniform emergence and stands. Herbicides will be applied at all sites to control weed species present. Sprayer drops will be used if a post emergence herbicide application is required. A fungicide application may be applied if growing conditions are favorable for high disease pressure. An Almaco SPC 40 two row research combine equipped with the HarvestMaster Plot Harvest Data System will be utilized for harvest.

MEASUREMENTS AND RECORDS:

Notes and measurements will be taken on the following: yield, test weight, grain moisture, percent emergence, stalk lodging and final stand. Other data of value to farmers and/or seedsmen will be collected including insect/disease ratings when such pest injury becomes severe at a test site.

PUBLICATION:

Final results will be published and available for distribution as soon as the results are compiled. Results are published in booklet format by *Ohio's Country Journal* as "Ohio Corn, Soybean and Alfalfa Performance Trials." (Dept. of Horticulture and Crop Science - Series 215) One, two and three year averages will be summarized for each region. Individual location results for 2022 and multi-year averages for each site will also be included. Complete tables with single and multi year averages are available on our web site: ohiocroptest.cfaes.osu.edu/corntrials.

CORRESPONDENCE:

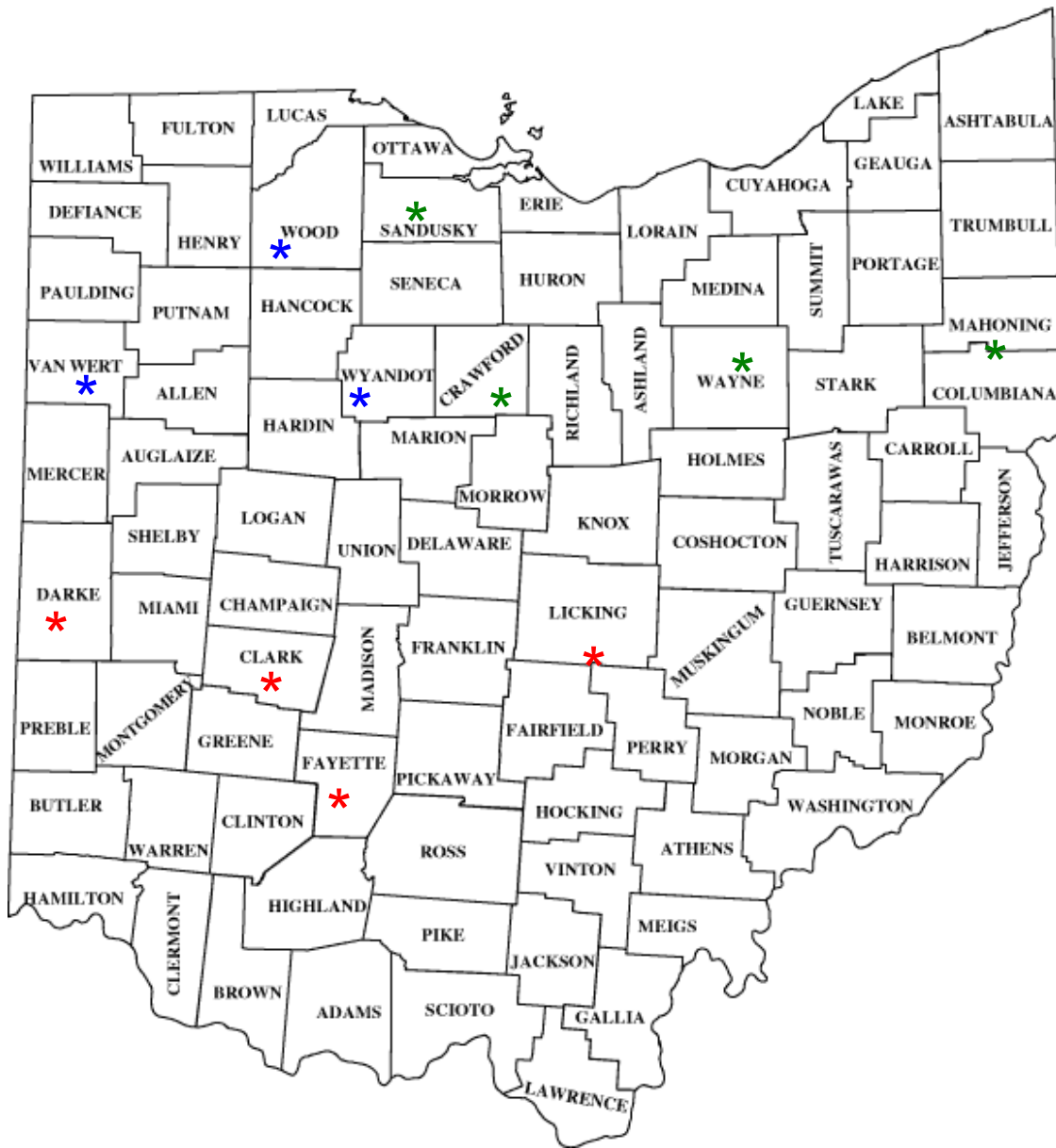
All correspondence pertaining to the Ohio Corn Performance Test should be sent to:

Richard Minyo, OCPT
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Ohio State University/OARDC
1680 Madison Ave.
Wooster, OH 44691

Office: 330-202-3596
Cell: 614-578-9925
Fax: 330-263-3887
E-mail: minyo.1@osu.edu

Every effort will be made to conduct the test as indicated. However, no financial liability is either expressed or implied.

Ohio Corn Performance Test 2022 Proposed Sites



* Southwest / West Central Region * Northwest Region * North Central / Northeast Region
 Wood – Corn Grain and Silage Wayne – Organic and Conventional
 Sandusky - Organic

www.ohiocroptest.cfaes.osu.edu/corntrials



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