Receipt Number_____

Signature of University representative_____

COLLEGE OF AGRICULTURE & NATURAL RESOURCES
DEPARTMENT OF PLANT SCIENCE AND LANDSCAPE ARCHITECTURE

2025-2026 MARYLAND WHEAT & BARLEY VARIETY TEST ENTRY FORM

Company Name & Address: _____ _____

_____

Contact Person: _____

Phone: _____ E-mail: _____ FAX: _____

Brand Treatment:	Entry/Line*	Treatment: Fungicide	Treatment: Insecticide	Treatment others	Fee** $600 (or $300 for Barley)
				Total:	

Please indicate if any newly released line(s) were in the test last year as experimental lines.

A total of four wheat variety testing locations with 3 reps will be established for each wheat entry submitted at the following locations: Wye, Clarksville, Poplar Hill, Beltsville and another inoculated misted trial at Beltsville. Based on the suggestions from our stakeholders and industry partners, from this year we will be adding one set of trials in high yield environment with standard fungicide applications. This will be done for both wheat and barley. Barley trials will be carried out at the Wye, Beltsville and Clarksville Research and Education Centers. If you submit between 6 and 10 entries, a 5% discount to the total will be applied. If you submit greater than 10 entries, a 10% discount will be applied. Participants may use a line in the form above to apply the discount. Simply fill in "discount" under brand and type in the appropriate fee subtraction in the fee column. Return with this form by **September 10** to the address below or email to vktiwari@umd.edu. Please ship seeds early so that it arrives by **September 20th**. Please send 8 pounds of seeds for the wheat and 4 pounds of seeds for the barley to cover an increased seeding rate and nursery trial to the address below.

Attach additional pages as needed. **Mail to this address: Dr. Vijay Tiwari 4291 Field House Drive Plant Science Building, University of Maryland, College Park, 20742.**

To: Participants in the 2025-2026 Maryland Wheat and Barley Variety Performance Trials

The four locations of wheat and three locations of barley are established for the yield trials each year. Tillage methods will reflect what is commonly performed on production farms near the plot locations. For the 2025-2026 season, a misted nursery will be grown and inoculated with fusarium head blight (scab), with assistance from Dr. Nidhi Rawat, plant pathologist at the University of Maryland. Results will include measurements of Fusarium damaged kernels (FDK), seed weight, and DON (at a USWBSI accredited testing facility). To replicate producer practices, seed weight and DON will be measured from samples taken from combine-harvested material. Analysis of DON takes significantly longer than the other measurements, so DON results will be posted after the initial results.

Above is the application form needed for submitting entries. **To partially offset the expense of the wheat performance trials, a fee of $600 per entry is charged to private companies. A reduced fee for barley of $300 per entry will be charged.** Data for all entries are published annually in Agronomy Facts Sheets posted on our web site: https://psla.umd.edu/extension/md-crops/small-grains-maryland as a pdf file. We will send the invoices after planting the entires.

All tests will be planted in a randomized complete block design with three replications. Entries will be evaluated in 7 row plots that are 18 feet in length and trimmed to 13 feet & 4 inches prior to harvest. A row spacing of 6 inches will be used. A seeding rate of 33 seeds per row foot will be used. All planting dates will be as close to the Hessian fly-free date as possible. Recommended fertility and pest control measures will be followed in the establishment and management of all tests. The following data will be collected on each entry: grain yield, test weight, heading date, moisture content at harvest, mature plant height, lodging, and occurrence and severity of disease. Currently, NOAA is forecasting a warmer planting season than the historic average, with average precipitation. That said, since we had good results with last year's planting rate of 1.8-million live seed per acre, we will repeat this for the 2025-2026 season. For interpretability, we anticipate keeping this seeding rate constant in future, unless conditions dictate another rate would provide better results. Further, we will attempt to begin planting by October 1, which is approximately six days earlier than what has been previously done. Hessian fly is a yield-impacting issue in less than 10% of years in Maryland, and should the 2025-2026 season be such a year, the increased seeding rate will compensate. It is understood that publication of data for entries tested does not imply approval or endorsement by the University of Maryland. Any reproduction of data from the above publication must cite the name, number, and date of the publication from which the data originated. Every possible effort will be made to plant, harvest, and summarize the results of each entry submitted. However, if unforeseen circumstances or weather conditions occur causing loss of the crop and data, no financial liability, including return of test fees, is either expressed or implied. For each wheat entry, 10 pounds of seed will be needed, for barley lines we would need 8 pounds of seeds per entry. There is room on the entry form that asks for type of seed treatment - please be sure to fill this out completely. If untreated seed is submitted, we will use our standard seed treatment. All seed should be shipped prepaid to the address on the entry form along with entry fee in form of a check. **The application form should be completed and returned no later than September 10 to the mailing address listed on the entry form. Likewise, all seed samples must be received no later than Sept. 20th. Earlier seed arrivals are appreciated.** Thank you for participating in our small grain variety testing program. If you have any questions concerning the variety trials, or suggestions on how we may improve our trials, please feel free to contact Vijay Tiwari at 301-405-1730 or Mike Drechsler, Small Grains Technician at (443) 854-6268 / email: mdrechsl@umd.edu.

Univ. of MD Variety Testing Webpage: https://psla.umd.edu/extension/md-crops/small-grains-maryland

Thank you for your support and interest in this program!