

## Procedures and Guidelines University of Maryland 2021 Soybean Variety Tests

### **Objective:**

To provide growers with agronomic performance data on soybean varieties across all herbicide tolerance which are either currently available to growers or are being considered for sale to growers in Maryland and the Mid-Atlantic region.

### **1. Entries:**

A company may enter as many varieties as desired. Each variety will be categorized based on Maturity Group (MG). New for 2021, we are requesting that contacts provide specific gene for Cyst Nematode resistance in each variety as there is growing concern the performance of the gene may be decreasing in the Mid-Atlantic region.

### **2. Check varieties:**

Producers desire the inclusion of popular, commonly grown varieties that serve as check varieties for the tests. A minimum of two varieties meeting these criteria will be included in each maturity group test.

### **3. Location of Tests:**

Location	Full Season	Double Crop
Western Shore	Central Maryland R&E Center- Clarksville, Clarksville, MD	
	Western Maryland R&E Center, Keedysville, MD	
Eastern Shore	Wye Research and Education Center, Queenstown, MD	Wye Research and Education Center, Queenstown, MD
	Lower Eastern Shore R&E Center- Poplar Hill, Quantico, MD	Lower Eastern Shore R&E Center- Poplar Hill, Quantico, MD

### **4. Field Plot Design and Management:**

Varieties at each location will be arranged in a randomized complete block experimental design with three replications. Each plot will be at least 20 feet in length with a row spacing of 24". We will aim for a seeding rate of 6 – 7 seed per foot row. Standard recommendations for fertility and pest management practices will be used at each location. Planting date will be dependent upon weather but generally begins early June for full season tests and early July for the double crop tests. A 6 foot swath down the center of each plot will be harvested with an Almaco R1 research plot combine equipped with a Seed Spector LRX system (Almaco Co., Nevada, IA) that records yield, grain moisture content and test weight on a Microsoft xTablet T1600.

### **5. Data Collection:**

- Height at maturity
- Grain moisture at harvest
- Test weight at harvest
- Yield in bushels/acre corrected to 13% moisture

### **6. Publication of Results:**

All data will be published in Agronomy Facts No. 32 that is posted to the University of Maryland Cropping Systems web site:

[www.psla.umd.edu/extension/md-crops](http://www.psla.umd.edu/extension/md-crops)

The publication of data for the entries does not imply approval or endorsement by the University of Maryland. Any reproduction of the data must give the name, number and date of the Agronomy Facts from which the data originated. The University of Maryland strives to publish the results for the test no later than December 1.

## 7. Entry Fee:

A fee of **\$650 per entry for MG III and IV** and **\$600 for MG V** is charged for each variety submitted. This fee covers testing an entry at the locations above. Maturity Group V varieties will only be planted at locations on the Eastern Shore. Discounts based upon the total number of varieties submitted to the test are available. The discounts are 5% for 6 – 10 entries and 10% if the entry total is 11 or more. Every possible effort will be made to plant, harvest, and summarize the results for each entry. However, if unforeseen circumstances or weather conditions cause loss of the crop and data, the University of Maryland will incur no financial liability including the reimbursement of test fees.

## Send entry forms to one of the following:

### E-mail (preferred)

[nfiorell@umd.edu](mailto:nfiorell@umd.edu)

### Mail

Dr. Nicole Fiorellino  
University of Maryland  
Plant Science & Landscape Architecture  
2124 Plant Science Building  
4291 Fieldhouse Road  
College Park, MD 20742

\*\*\*Upon receipt of your entry form, a digital invoice will be emailed back to you with instructions for payment through UMD Financial Services, including credit card payment options. Initial vendor setup will require a copy of your company's W-9. This is now the preferred method of payment for UMD.\*\*\*

## 8. Information Required from Seed Company:

Information regarding maturity group, resistance to cyst nematode (and gene providing resistance), seed treatment, and variety traits. Please designate this information on the entry form.

## 9. Quantity of Seed Required:

Please submit a **minimum of 10 pounds** per entry. Receiving less than this amount of seed per entry risks the possibility that there will not be enough seed to plant in all trials.

## 10. Method of Shipping Seed:

All seed should be shipped prepaid to:  
Soybean Variety Testing Program  
ATTN: Louis Thorne  
University of Maryland  
102 Research Greenhouse  
4252 Terrapin Trail  
College Park, MD 20742

Package tracking information can be forwarded to [nfiorell@umd.edu](mailto:nfiorell@umd.edu) or [lthorne@umd.edu](mailto:lthorne@umd.edu) to ensure we can retrieve your package if it is not delivered correctly.

## 11. Closing Dates:

- **February 26, 2021 for submission of entry form**
- **March 12, 2021 for delivery of seed – any seed not received by this date may not be entered into the trials.**