



COLLEGE OF
AGRICULTURE &
NATURAL RESOURCES

DEPARTMENT OF PLANT SCIENCE
AND LANDSCAPE ARCHITECTURE



Receipt No. _____

Signature of University Rep

2019 MARYLAND ROUNDUP READY SOYBEAN VARIETY TEST ENTRY FORM

Company Name & Address: _____

Contact Person: _____ Phone: _____

E-mail: _____ FAX: _____

Brand	Variety	Maturity Group* Or RM	Resistant to Cyst nematode? (Yes or No)	Herbicide Reactions? (RR,RR2Y, STS)	Fee** \$450 (or \$400 for Group 5)

Total _____

*Maturity Groups: III - V or Relative Maturity 3.0-5.9. Late maturing Group IV varieties (RM 4.6-4.9) will be grouped together in each test. Group V will only be grown East of the Chesapeake Bay.

**Fee: Maturity Group III and IV varieties- \$ 450.00 per entry (7 tests).

Maturity Group V varieties- \$ 400.00 per entry (5 tests- East of Bay).

If you submit between 6 and 10 entries, apply a 5% discount to the total. If you submit greater than 10 entries, please apply a 10% discount to your submission fee.

Make check payable to "University of Maryland" and return with this form before April 1 to address below. Under separate cover send 10 pounds of seed of each entry before April 8 to the address below. Attach additional pages as needed.

Dr. Jason P. Wight
University of Maryland Research Greenhouse Complex
Bldg. 398, Terrapin Trail
College Park, MD 20742



UNIVERSITY OF MARYLAND

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES
Department of Plant Science and Landscape Architecture

2102 Plant Sciences Building
College Park, Maryland 20742
301.405.4356 TEL 301.314.0451 FAX

February 25, 2019

Dear Maryland Soybean Variety Test Cooperators,

I look forward to working with you and your soybean seed lines in the 2019 Maryland Soybean Variety Trials. There will be one additional test that will change the basic field design: A high-input, full season paired trial will be performed at our Queenstown location called "full season + spray". In addition to the standard test, at Queenstown one fully replicated trial will receive fungicide and insecticide, and will be planted on highly fertile soil. Only Roundup Ready (RR, RR2Y) and Roundup Ready varieties with stacked traits will be evaluated. The varieties will be evaluated in seven tests and sprayed with glyphosate. Full-season and double-crop tests will be established. Specific details for the tests are described in the attached pages. Late Maturity Group III through mid- Maturity Group V varieties are best adapted to Maryland. Maturity Group V varieties are restricted to the tests east of the Chesapeake Bay.

The fees for 2019 will be \$450 for group III and IV soybeans and \$400 for group V (see section IV or entry form for bulk discounts). In addition to other improvements, the Field Trials program is increasing utilization and visibility of results through outreach to producers, commodity boards, and media outlets. I look forward to working with you as we prepare for the 2018 test. **I would like to have the entry forms by APRIL 1 and the seed by APRIL 8.** I realize seeds for some entries may be coming from distant nurseries, and we will be as flexible as possible in an attempt to hold a very limited amount of space for those entries if they arrive after this date. You may wish to delay sending the check for the entry fees if there is concern about winter nursery seeds arriving in time for the test.

Please do not hesitate to call or email if I can provide you with additional information. If you can not participate in the tests this year, I would appreciate a short message to that effect to help our planning for the season. My cell phone number is 865-567-5066, FAX number is 301-314-0451, and email is jpwight@umd.edu.

Sincerely,

A handwritten signature in cursive script that reads "Jason P. Wight".

Dr. Jason P. Wight, Director, Field Trials Center

UNIVERSITY OF MARYLAND ROUNDUP READY TEST

I. Objective:

To provide growers with agronomic performance data on Roundup Ready soybean varieties in seven tests across Maryland. *New **high-input test this year.**

II. Procedures:

A. Entries: Soybean seed producers or companies may enter varieties or brands of Roundup Ready (RR or RR2Y) soybeans of Maturity Groups III, IV, or V.

B. Location of Tests: A total of seven tests will be established at these sites:
West of Bay: Western Maryland Research and Education Center (Washington County), and Clarksville Facility of Central Maryland Research and Education Center (Howard County). East of Bay: Wye Research and Education Center (Queen Anne's County)—full-season, full-season + spray (insecticide & fungicide) and double-cropped tests and Poplar Hill Facility of Lower Eastern Shore Research and Education Center (Wicomico County)—full-season and double-cropped tests.

C. Field Plot Design: All tests will be conducted in a randomized complete block design with three replications. Entries of the same maturity group will be grown in adjacent plots.

All entries will be evaluated in multi-row plots that are at least 20 feet in planted length. A row spacing of 24 inches or less (for double-crop) will be used. At least one test will be planted with a grain drill.

A seeding rate of 6 to 7 seeds/foot of row will be used in tests having a row spacing of 24 inches. Approximately 3 to 4 seeds/foot of row will be used for tests planted with a grain drill. None of the plots will be thinned to establish any specific population following seeding. Recommended fertility and pest control measures will be followed in the establishment of each test. Glyphosate herbicide will be used to control weeds in the plots.

D. Measurements: Efforts will be made to collect the following data on each entry:
Seed yield of a 13-foot section of the center rows of each plot, mature plant height, lodging score and disease symptom severity, should disease arise. Further, date of maturity will be observed and frogeye, SDS, or other disease will be documented where possible.

III. Publication of Results:

Data of all entries will be published annually in Agronomy Factsheet No. 32. Each individual or company submitting entries will be furnished a copy of the current year's data as soon as it has been published. The presentation of data for the entries tested does not imply approval or endorsement by the University of Maryland. Any reproduction of data from the above publication must give the name, number, and date of the publication from which the data originated.

Data will also be available through the University of Maryland Cropping System web page <http://www.mdcrops.umd.edu>.

IV. Entry Fee:

To partially cover the expense of the Roundup Ready soybean variety test, a fee is requested from companies and individuals who submit varieties for testing. The fee will be \$450.00 per entry for varieties of Maturity Groups III and IV. Because entries in Maturity Group V are not grown in all tests, the entry fee is lower. The fee for varieties of Maturity Group V is \$400.00 per entry. Please make check payable to the University of Maryland and attach to the entry form.

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.

Every possible effort will be made to plant, harvest, and summarize the results of each entry. 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.

V. Quantity of Seed Required:

For each Roundup Ready soybean variety 10 pounds of seed will be needed. Please document any seed treatments that are used.

VI. Method of Shipping Seed:

All seed should be shipped pre-paid to:

Dr. Jason P. Wight
University of Maryland Research Greenhouse Complex
Bldg. 398, Terrapin Trail
College Park, MD 20742

VII. Closing Date for Accepting Entries:

An entry blank for listing and describing the soybean entries is attached. This form and a check for the required fees must be completed and returned not later than April 1. Likewise, all seed samples must be in College Park no later than April 8.

VIII. Questions:

Please call Jason Wight: (301) 405-4558, or FAX (301) 314-0451.