

**2021 Kentucky Soybean  
Variety Performance Tests  
- Nomination Form -  
University of Kentucky**



The Kentucky Soybean Variety Performance Tests are conducted to provide an unbiased and objective estimate of the relative performance of soybean varieties grown in Kentucky.

The 2021 Soybean Variety Trials will be conducted in the major Kentucky soybean production regions. If you have soybean varieties for sale in Kentucky and would like to enter them in the state trials, please fill out this nomination form by February 19<sup>th</sup>, 2021. After reception of the nomination form, a notification will be sent to you to confirm that your varieties have been accepted in the trials. Five tests, defined by the varieties relative maturity groups (MG): MG II (2.0-2.9), MG III (3.0-3.9), MG IV early (4.0-4.5), MG IV late (4.6-4.9), and MG V (5.0-5.9), will be planted at each location.

Treated seeds are accepted. Seed treatment name(s) must be either stated in the nomination form or provided with the seed bags. For each variety in the tests, 10 lb.\* seed bags must be shipped by **March 19<sup>th</sup>, 2021** to **Claire Venard** at the address below. A notification will be sent to you when your seed bags have been received.

The fee for each entry is \$504. Replacement varieties are accepted. The replacement varieties must be in the same maturity group as the varieties initially nominated. A fee might apply to each variety cancelled after March 24<sup>th</sup>, 2021 for non-used space in the field.

After all tests have been planted, a statement of fees will be sent to you with instructions for remittance of fees. Please note that **no check should be sent until you have been billed**.

Thank you for marketing tested soybean varieties in Kentucky and for your interest in the KY Soybean Variety Performance Test program. Your participation in the tests helps all soybean producers of Kentucky. Preliminary data will be posted on the Soybean Variety Performance Tests website (<http://pss.ca.uky.edu/extension/soybean-variety-trials>) as the tests at all locations are harvested. The final report will be distributed through the University of Kentucky Extension Offices across the State.

If you have any questions or would like additional information, please contact Claire Venard:

**Shipping address: University of Kentucky, Department of Plant and Soil Sciences, N-122 Ag. Science Center North, 1100 South Limestone Street, Lexington, KY 40546-0091**

Tel: 859-257-2993 (office) / 859-492-1135 (cell)

Fax: 859-323-1952

Email: [cvenard@uky.edu](mailto:cvenard@uky.edu)

*\* see page 5 for recommended amount of seed based on germination rate*

**Nominator name:**

*(please enter your first and last names)*

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**Organization name:**

*(please enter your company name, institution, other...)*

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**Organization address:**

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**Phone number:**

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**Email address:**

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**How do you prefer to be contacted to receive the statement of fees?**

*Remittance of the fees will be made within 30 days after receiving the statement of fees from the Kentucky Agricultural Experiment station.*

*By email*    *By mail*

**Would you like to receive printed copies of the “2021 Kentucky Soybean Variety Performance Tests” annual report?**

*A pdf version of the report will be emailed to all nominators in addition to any requested printed copies. The printed copies and mailing are free of charge.*

I don't need any printed copy. I will use the pdf version of the report.  
 Yes. Please mail me \_\_\_ copy(ies).

**By checking the box below, you confirm that you have read the procedures and regulations for the Kentucky Soybean Variety Performance Tests on page 4, and you agree with all.**

I agree

Nominator's signature:

Date: \_\_\_/\_\_\_/\_\_\_

\_\_\_\_\_  
*(printed)*

**2021 Nomination List:** entries within maturity range 2.0 – 5.9 are accepted. If you would like to nominate more than 15 entries, please duplicate this page.

Please type information in the table. The codes used for each column are listed in the appendix on page 5.

	VARIETY NAME (if entry was in last year test and the name has been changed, please add old name in parentheses)	Maturity Group (2.0-5.9)	Herbicide Technologies /Type	Percent germ. 80-100%	Disease resistance traits				Seed treatment(s)	
					Soybean Cyst nematode resistance	<i>Phytophthora sojae</i>		Sudden death syndrome		Other traits (RKN, FLS,...)
						Resistance gene	Field tolerance			
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

Comments / additional information:

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## **KENTUCKY SOYBEAN VARIETY PERFORMANCE TESTS**

### **Purpose**

The soybean performance tests are conducted annually by the Kentucky Agricultural Experiment Station and are designed as a direct service and benefit to agriculture in the state of Kentucky. Results of these tests are published to provide information to producers and seedmen on the relative performance of soybean varieties offered for sale in the state of Kentucky.

### **Eligibility for variety nomination**

Seed companies and producers of soybean seeds to be sold or offered for sale in Kentucky and the Kentucky Agricultural Experiment Station may nominate varieties for the soybean testing program. Exceptions will be made for novel soybeans and experimental entries.

### **Requirements for nomination and testing**

Named soybean varieties within relative maturity range 2.0 to 5.9 will be tested. Named varieties offered for sale or sold in the state of Kentucky during the test year or following year are eligible for nomination for testing. Some experimental lines will be tested and the data will be published which enable two year data to be provided for new named varieties offered for sale in Kentucky the following year.

Entries must meet the standards for a variety as defined by the US Federal Seed Act and Plant Variety Protection Act if it is a protected variety.

Entries must comply with the Kentucky Seed Law. All entries (except experimental and novel soybeans) in the Kentucky soybean performance tests must be identified by the name(s) required to be on the seed tag or label by the Kentucky Seed Law, i.e., listed in the manner by which the seed will be sold or offered in Kentucky. The law requires a variety designation whether as name, number, or combination of both. Use of a brand name or trademark is not acceptable unless it is clearly identified as being other than a part of the variety designation. A brand name or trademark can never be used instead of the variety. This complete designation, brand and variety name will be published in the performance bulletin. Experimental entries will have an EXP prefix. All nomination accepted will be placed in the full season tests and evaluated at 6 to 8 locations.

The Kentucky Experimental Station reserves the right to sample seed for testing from marketing outlets in Kentucky.

### **Selection procedure**

The size of the full season tests will be approximately 200 entries. Organizations nominate their entries. The entries should be listed on the nomination form in order of priority with the highest priority first. Nominations will be entered in the tests until all slots are filled.

To assure that the needs of agriculture in the state of Kentucky are met, the Kentucky Agricultural Experiment Station may revise the list of entries to compensate for obvious deficiencies of varieties of soybeans being grown by farmers in Kentucky.

## **TESTING METHODS**

The tests will sample a range of environments of the soybean producing areas of the state of Kentucky. The number of tests, types, and specific locations may vary from year to year. There will be 5 full season tests at 6 to 8 locations. Entries will be replicated 3 times in each test.

Six row plots will be 15.5 feet long with a row spacing of 15 inches. All entries will be planted at a seeding rate of 4-5 viable seeds per foot of row. Correction for germination will be made provided the percent germination is listed on the nomination form. If no germination percentage is listed, it will be assumed to be 85%.

Cultural practices recommended by the University of Kentucky will be used. Procedures used for planting, weed control and harvesting will be similar to those used in actual commercial production of soybean. A small research plot combine will be used for harvesting the center 4 rows from the 6 rows plot.

Data collected at all tests will be evaluated for grain yield and lodging score. Stand count, maturity date, plant height, seed composition (percentage of protein and percentage of oil) will be taken at the Fayette County, Caldwell County, and/or Calloway County location. Detailed observations for growth and reproductive stages will be collected at all test sites on 10-15 randomly selected varieties. Other observations such as seed shattering scores, hail damage, or pest information may be taken at all test sites if warranted.

## **PUBLICATION OF THE RESULTS**

Data for all entries in the Kentucky Soybean Performance Tests will be published according to the policies established by the Kentucky Agricultural Experiment Station. If for any reason the results of the tests are judged to be unreliable or possibly misleading, the results will not be published. Results will be published annually in the University of Kentucky progress report "Kentucky Soybean Variety Performance Tests".

## APPENDIX - Codes for Table columns

***Phytophthora sojae* field tolerance, Sudden Death Syndrome, Soybean Mosaic Virus, Stem Canker:**  
 S: susceptible  
 MS: moderately susceptible  
 T: tolerant  
 MT: moderately tolerant  
 R: resistant  
 MR: moderately resistant

**Soybean Cyst Nematode Resistance:**  
 race(s) 1, 3, 4, 5, 9, 14

***Phytophthora sojae* resistance genes:**  
 1a, 1b, 1c, 1d, 1k, 3a, 6, 7

**Herbicides Technologies**  
 RR  
 R2Y  
 LL  
 STS  
 Extend/Xtend/X/XT  
 E3/Enlist  
 GT/GT27  
**Type**  
 Feed  
 EXP (experimental)  
 CONV (conventional)  
 P/PUB (public)

### RECOMMENDED AMOUNT OF SEED

Germination rate	Total number of seed (including 20% extra)	Weight in lb. (including extra - 2,500 seed/lb.)
100	19,440	7.8
99	19,634	7.9
98	19,829	7.9
97	20,023	8.0
96	20,218	8.1
95	20,412	8.2
94	20,606	8.2
93	20,801	8.3
92	20,995	8.4
91	21,190	8.5
90	21,384	8.6
89	21,578	8.6
88	21,773	8.7
87	21,967	8.8
86	22,162	8.9
85	22,356	8.9