



# 2021 Wisconsin Soybean Yield Contest

## Contest Rules and Entry/Harvest Form

The Wisconsin Soybean Association (WSA) Soybean Yield Contest is organized to encourage the development of new and innovative management practices that highlight the importance of using sound cultural practices in Wisconsin soybean production systems.

Contest contact: Dr. Shawn Conley 608.800.7056

Contest web page: [www.coolbean.info](http://www.coolbean.info)

Contest Committee Members:

Dr. Shawn P. Conley

Patrick Mullooly

### **CONTEST DESCRIPTION**

Any soybean production system can enter in the contest. Two winners will be selected from each of four geographical divisions in the state. Divisions are based on long-term county soybean yield averages. WSA is not responsible for incorrect or missing entries. All rules set forth herein apply to all entries.

### **CONTEST ENTRANT QUALIFICATIONS**

More than one person in a family can enter, but each entry must have a separate entry and fee. The cost is \$25 per entry. Entrant must be at least fourteen (14) years of age or older on or before December 1, 2021.

### **RELEASE OF CONTEST ENTRY FIELD RECORDS**

If requested, the entrant agrees to provide records to WSA of their methods of handling and preparing the land; cultivation and weed control methods; insecticides, herbicides, fertilizers and rates of same that are used; the brand and variety of seed, seeding rate; date of planting, type and brand of soybean planter, row width and date of harvesting; and amount of each application and type of irrigation used. Failure to provide such records may lead to disqualification.

### **CONTEST FIELD AND ENTRY QUALIFICATIONS**

Contest field must be in the state of Wisconsin. Contest entry must be at least 5 continuous acres of one variety. Contestant may select the best 5 acres in a soybean field larger than 5 acres and enter that variety. In the interest of Best Management Practices, grass waterways may be a part of the contest plot area. The length of any rows planted in a grass waterway will be included in the harvested row length if soybean rows are planted in the waterway. If soybean rows are not planted in the waterway, the length of each row will not include areas in the waterway.

The land entered in the Contest must be owned or leased by the entrant and located in Wisconsin. The variety entered must be currently commercially available.

### **MULTIPLE CONTEST ENTRIES**

Any individual contestant may enter more than one entry in the contest. Any individual can win only one state award.

### **ENTRY FEE AND DEADLINE**

Entries must be postmarked by **December 1, 2021** to be eligible for this contest. **No late entries will be accepted.** An entry fee of \$25 in the form of a personal check must be received with the Contest Entry Form or the form cannot be accepted.

### **SUPERVISOR ELIGIBILITY QUALIFICATIONS**

A supervisor is required for overseeing all computations and field measurements and must be present during harvesting, weighing, and moisture testing. The Wisconsin Soybean Program will only approve supervisors meeting the following qualifications: FFA Advisor, Agricultural Education Instructor, County Extension Agent or Assistant, Natural Resources Conservation Service senior staff, Farm Service Agency CED/Loan Manager/Officer, Farm Credit Services Officer, Bank Ag Loan Officer, Private Crop Consultant, College of Agriculture Instructor, American Society of Farm Managers accredited farm manager, Crop Insurance Agents/Adjustors, or retired individual with listed job title. Also current Soybean Association Production & Stewardship and Grower Services Action Team members and WSA Board members are eligible. A supervisor cannot have financial or direct business ties to the entrant or a company that sells agribusiness supplies, i.e. totally

independent nor employed by the entrant. Call Dr. Conley when unsure of your selected supervisor's qualifications. The supervisor name must be on the Contest entry form along with their title, address, telephone number, and email address. **WSA reserves the right to contact harvest supervisor to validate compliance with contest rules. WSA ALSO RESERVES THE RIGHT, WITH ADVANCE NOTIFICATION, TO OBSERVE ANY HARVEST.**

### **CONTEST AWARDS**

Trophies and cash prizes will be awarded to the first (\$1,000) and second (\$500) place winners in each geographic division (see map below). The winner is the entry that has the highest soybean yield based on bushels per acre at 13% moisture. In the event of a tie, both entrants will be recognized as co-winners. **Each entrant is eligible to win only one trophy and cash prize in the contest.** If an entrant enters two or more entries and all entries place as a winner or runner-up, a trophy and cash prize will be awarded only for the highest yielding entry. Duplicate trophies **will not** be awarded in the event of multiple names on one entry. Awards will be presented at the Corn/Soy Expo held in Wisconsin Dells in February 2022.

### **SOYBEAN QUALITY CONTEST**

The Soybean Quality Contest is optional to enter and there is no additional fee, however, a producer must enter the Soybean Yield Contest in order to enter the Soybean Quality Contest. To enter the Soybean Quality Contest, entrants must select the Quality Option on the Soybean Yield Contest Harvest Form, as well as provide a grain sample for quality analysis. The sample for soybean quality must be taken from the soybeans that were harvested for the Soybean Yield Contest in 2021. A one-pound sample is needed for testing and should be sent in no later than December 1, 2021. One \$500 cash award will be presented statewide to the highest protein plus oil yield per acre (measured in lbs. per acre).

### **WI 100 BUSHEL SOYBEAN CLUB**

In 2020, Don and Doug Midthun were the first contestants to reach the 100 bushel award and are founding members along with the 2016 UW BeanTeam led by A. Gaspar. The WSMB is now presenting the 100 Bushel Soybean Club. Each contestant that achieves 100 bu will be inducted into the club and awarded \$1000. **This is a one-time award.**

### **CONTEST RESULTS**

No information on the Contest results will be released until all results are finalized. There will be no exceptions. Results will be released on or before December 31, 2021. Decisions of WSA's Contest Committee in all matters are final. The WSA committee reserves the right to disqualify any entry without a refund for violation of any rules.

### **REFUNDS**

No refunds will be issued. Incomplete entries may be disqualified. WSA reserves the right to have a designated representative view and/or inspect, with prior notice, any field entered at any time. WSA also reserves the right to disqualify any entry in violation of the WSA Contest Rules.

### **HARVEST RULES**

The contest entry must be from a field of soybeans 5 or more acres in size of one variety. The contest area may be any shape, but must be in one continuous block of soybean.

- Entrants and harvest supervisors are responsible for giving accurate row lengths for odd shape plots.
- All end rows/turning rows and the equal number of outermost rows on each side may not be a part of the selected 1.25 acre contest plot.
- A total of 1.25 or more acres must be harvested.

A supervisor must be present at harvest. The supervisors are responsible for completing all computations and field measurements and must be present during harvesting, weighing (gross and tare), and moisture testing. The entrant is responsible for mailing the information.

The supervisor must require the entrant to run their combine and any transfer augers to be certain they are empty prior to harvesting the contest area. All wagons or trucks must be checked to make certain they are empty.

A full combine swath width shall be harvested, then two times that width skipped, another swath harvested and two times that width skipped and so on until a minimum of 1.25 acres has been harvested.

EXAMPLE:

20' head Harvest one 20' swath, skip 40', harvest 20' – skip 40' – repeat as needed

HARVEST: The entrant selects the rows for the first pass; however, the supervisor needs to observe that an acceptable number of rows remain to establish a harvest pattern as described above. If the field is contoured or terraced, the area left unharvested must be in each contour or terrace interval, adjacent and equal to the area originally harvested.

MEASURING: Preferred measurement tools are a tape or chain. **Measuring wheels are not acceptable for measurement.** Each measurement must be recorded on the Contest Entry form. Proper tape and chain measurements are taken with the measurement tool pulled taut but not off of the ground surface.

ROW LENGTH: If the rows are all the same length, measure the length of one row and record same length for each of the rows harvested. If the rows are not all the same length, measure down the center of each set harvested and record the length for each of the rows in the set. (On pivot irrigation do not subtract wheel space).

ROW WIDTH: Record the row width based on spacing of the planter row units, such as 7.5", 15", 20", 30", 36", 38", etc. In the interest of Best Management Practices, grass waterways may be a part of the contest plot area. The length of any rows planted in a grass waterway will be included in the harvested row length if soybean rows are planted in the waterway. If soybean rows are not planted in the waterway, the length of each row will not include areas in the waterway.

CALCULATING ACRES HARVESTED: The total row length times the row width divided by 43,560 (square feet in one acre) equals acres harvested. EXAMPLE: Four-row harvester, 20 rows harvested, each row 1,210 feet long. Row width 2.5 feet.  $1,210 \times 20 = 24,200 \times 2.5$  divided by 43,560 = 1.3889 acres.

WEIGHING: All soybeans must be weighed on a state-inspected scale by the supervisor(s) or the supervisor(s) overseeing. On-farm scales must be state inspected. Original weigh ticket (no photocopies) must be attached to the Contest Form. It must have the name of the company where the weighing was done and the name of the person doing the weighing. **WEIGH WAGONS ARE PROHIBITED.**

MOISTURE TESTING: An experienced person must make a moisture determination of a representative sample of the soybean. Moisture percent must be listed on weigh ticket or attach a moisture ticket.

CALCULATING YIELD (All calculations must be carried to four decimal places): First, find the number of bushels of soybean harvested, corrected to 13.0% moisture, then divide by the acres harvested to get bushels per acre. To calculate bushels harvested, corrected to 13.0% moisture, take the total pounds of soybean harvested, times the difference of 100% minus the percent moisture in the soybean, and divide by 52.20 (pounds of dry soybean in one bushel of 13.0% soybean).

EXAMPLE: 6,150 pounds of soybean at 18.75% moisture harvested from 1.3889 acres.

$6,150 \times 0.8125$  (100% minus 18.75%) divided by 52.2 = 95.1786 bushels of soybean at 13.0% moisture 95.1786 divided by 1.3889 = 68.5280 bushels per acre.

# 2021 SOYBEAN YIELD CONTEST ENTRY FORM

Contest contact: Dr. Shawn Conley 608.800.7056

1.	Name:		
	Farm/Company Name:		
	Address:		
	City:	State:	Zip:
	E Mail:	Cell phone:	

2.	If you have more than one entry in the contest, each entry must be entered on a separate entry form. Each entry should have a letter designation. Use a different <u>letter</u> designation for each entry. i.e. Entry A, Entry B, Entry C, etc.
	Entry designation:

3.	Entry Fee: \$25 per entry fee is to be mailed with along with harvest form. Harvest forms must be received by December 1, 2021 Total Amount Enclosed \$ _____
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4.	<b>Contest field</b> must be in Wisconsin and a continuous plot of at least 5 acres of one soybean variety.		
	Contest field acreage	Total acres: (minimum of 5):	
	County of contest field: (This determines Entry Division)		
	<u>Date planted</u>	<u>Seeding Rate</u> _____ (seeds per acre)	<u>Row spacing (inches)</u>
			<u>Previous year's crop</u>

5.	Brand and variety name: (List one variety per entry):
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6.	When was the <b>contest field</b> harvested?	Date:
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7.	Are you entering the Quality contest?	Yes    No	If yes, please supply a one pound sample of grain with your entry
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# HARVESTING RECORD

Record all calculations to four decimal places.

Harvest area may be recorded using one of the following methods:

ROW LENGTH METHOD section 10a - 10b

COMBINE HEAD WIDTH METHOD section 20a - 20b

If harvesting parallel to the rows, use either method.

If harvesting diagonal to the rows, use method 20c-d and measure the row length at the center of each pass.

10a	<b>Row Length Method</b>					Conversion Chart Inches to 4 decimals 1" = 0.0833' 2" = 0.1667' 3" = 0.2500' 4" = 0.3333' 5" = 0.4167' 6" = 0.5000' 7" = 0.5833' 8" = 0.6667' 9" = 0.7500'
	# of rows harvested one pass	x	Row length	=	Total row length	
		x	ft	=	ft	
		x	ft	=	ft	
		x	ft	=	ft	
	Total length of all rows harvested (add rows above) =				ft	

10b.	Total length of all rows harvested (from 10a above)	x	row width (feet)	÷	43,560 <small>(square feet in one acre)</small>	=	<b>acres harvested</b> <small>(Minimum of 1.25 acres)</small>
	ft	x	ft	÷	43,560 ft <sup>2</sup>	=	_____ acres

20a.	<b>Combine Head Width Method</b>					
	Head width (one pass)	x	Pass length	=	Harvested area	
	ft	x	ft	=	ft <sup>2</sup>	
	ft	x	ft	=	ft <sup>2</sup>	
	ft	x	ft	=	ft <sup>2</sup>	
	Total area harvested (add rows above) =				ft <sup>2</sup>	↔ (use in line 20b below)

20b	Total area harvested (from 20a above)	÷	43,560 <small>(square feet in one acre)</small>	=	<b>acres harvested</b> <small>(Minimum of 1.25 acres)</small>
	ft <sup>2</sup>	÷	43,560 ft <sup>2</sup>	=	_____ acres

30.	Total bushels of soybean harvested (Must match original weight tickets attached to this form):						
	<b>Load A</b>	Gross weight (lbs)	-	Tare weight (lbs)	=	Pounds of soybean	
		lbs	minus	lbs	=	lbs	
		Soybean moisture =				_____ % (two decimal places only)	
	Pounds of soybean (from above)	X	adjusted moisture (100% - % actual moisture)	÷	52.2 (pounds of dry soybean/bushel)	=	<b>bushels harvested</b>
	lbs	X		÷	52.2 lbs/bu	=	_____ bushels

40.	bushels harvested (from line 30)	÷	acres harvested (From line 10b or 20b)	=	<b>bushels per acre</b>
	bu	÷	acres	=	_____ bu/a

In the space below, please print harvest supervisor information

Name of Supervisor:		
Employed by:		
Job Title / Occupation:		
Address:		
City:		
State:	Zip Code:	County:
Business Phone (with Area Code):		
E-mail:		
I supervised the harvesting, weighing, moisture testing, and reporting as prescribed in the rules and regulations of the Wisconsin Soybean Association Yield Contest. To the best of my knowledge, these figures are accurate. I do not have financial or direct business ties to a company that sells agri-business supplies or services to this operation.		
Signature:		

- Send a check for \$25 payable to the *Wisconsin Soybean Association* and the completed Contest Entry Form postmarked **NO LATER THAN December 1, 2021 to:**  
Dr. Shawn P. Conley  
2021 Soybean Yield Contest  
Department of Agronomy  
1575 Linden Drive  
Madison, WI 53706
- Original weigh tickets must be attached to this form
- Enclose 1 lb. grain sample if entering Quality Contest
- Please save a copy for your records

I hereby certify the above information given on this entry application to be accurate to the best of my knowledge and believe and agree that all contest information provided by me pursuant to this Soybean Yield Contest shall be the property of the Wisconsin Soybean Association and can be used and distributed at the sole discretion of the WSA. Signature authorizes the release of planting and harvesting information to the media and public by WSA. Contact information may be provided to WSA industry partners for promotional and customer recognition.

Signature of entrant: \_\_\_\_\_ Date: \_\_\_\_\_

# 2021 Wisconsin Soybean Yield Contest Geographic Divisions

## DIVISIONS

Based on 2011-2020 NASS county yield average

- Division 1: < 41 bu/a
- Division 2: 41.0-45.9 bu/a
- Division 3: 46.0-50.9 bu/a
- Division 4: ≥ 51 bu/a

