



2022 MISSISSIPPI SOYBEAN YIELD CHALLENGE

# RESULTS & PRODUCTION INFORMATION



*The Mississippi Soybean Yield  
Challenge is funded and  
administered by the Mississippi  
Soybean Promotion Board (MSPB).*

**MSSOY.ORG**

## **2022 RESULTS**

### **MISSISSIPPI SOYBEAN YIELD CHALLENGE**

The Mississippi Soybean Promotion Board is happy to announce the first annual Grow It. Show It. Win It. Mississippi Soybean Yield Challenge results and production information. Growers from all across the great state of Mississippi had the opportunity to showcase their outstanding production practices in various soybean yield divisions. The purpose of the 2022 Mississippi Soybean Yield Challenge was to recognize and reward the top soybean growers in Mississippi and to pass along production information from the contest to soybean producers across Mississippi.



**A special thank you to Mississippi State University Extension Agents for serving as Yield Contest Officials. MSPB sincerely appreciates your help in promoting the yield challenge and certifying the yields.**

**FOR MORE INFORMATION, VISIT [MSSOY.ORG](https://msoy.org)**



# DELTA IRRIGATED DIVISION



## DIVISION AVERAGES:

**Planting Population:** 130,000  
**Irrigation Inches:** 10.1  
**Rainfall Inches:** 12.7  
**Total Water:** 22.8  
**Bushels/In. of Water:** 4.11  
**Harvest Population:** 117,000  
**Moisture:** 11.3  
**Yield:** 92.5171

## 1 WILL HART

**yield: 93.5068**

**County:** Sunflower  
**Soil Type:** Alligator Clay  
**Previous Crop:** Soybeans  
**Tillage:** Conventional  
**Planting Date:** 4/27/2022  
**Row Width:** 40  
**Planting Population:** 120,000  
**Variety:** Pioneer 47A64  
**Maturity Group:** 4.7  
**Seed Treatments:** CruiserMaxx  
**Tillage Operations:** Fall - Hipper, Irrigation Sweep May 2022  
**Irrigation System:** Furrow  
**Irrigation Inches:** 12.0  
**Rainfall Inches:** 9.2  
**Total Water:** 21.2  
**Bushels/In. of Water:** 4.4

**Fertilizer:** Fall application of 130 lbs/A of Potash & 175 lbs/A of Triple Superphosphate  
**Herbicide:** Fall application of Boundary 32 oz/A + Gramoxone 32 oz/A, Pre application of Boundary 24 oz/A + Gramoxone 32 oz/A, R1 application of Sequence 3 pts/acre + Preference 2 oz/A, R6.5 application of Gramoxone 10 oz/A.

**Insecticide, Fungicides, Desiccants:** R4 application of Intrepid Edge at 5 oz/A  
**Harvest Date:** 9/29/2022  
**Rows Harvested:** 81  
**Harvest Population:** 100,000  
**Moisture:** 9.6

## 2 ROCCO MORRIS JR.

**yield: 92.5501**

**County:** Bolivar  
**Soil Type:** Sandy Loam  
**Previous Crop:** Corn  
**Tillage:** Conventional  
**Planting Date:** 4/28/2022  
**Row Width:** 38 Twin  
**Planting Population:** 135,000  
**Variety:** Asgrow 48x9  
**Maturity Group:** 4.9  
**Seed Treatments:** CruiserMaxx Vibrance + Primo R1 seed inoculant  
**Tillage Operations:** Fall - chisel, disked 2x, bedded. Spring - plowed  
**Irrigation System:** Furrow  
**Irrigation Inches:** 7.9  
**Rainfall Inches:** 13.1  
**Total Water:** 21.0  
**Bushels/In. of Water:** 4.4

**Fertilizer:** Spring - Ammonia sulfate 50 lbs/A, Potash 50 lbs/A, Coron Metra 10B @ 1 G/A, Sulfur Complete 1 lb/A & Soar Micro Mix (at bloom) 1 qt/A  
**Herbicide:** Fall - Gramoxone 32 oz/A + Boundary 24 oz/A + Campadre .25% per A + Scanner 1/4% per A. Spring - Gramoxone 32 oz/A + Boundary 24 oz/A + Campadre .25%. Post - Enginia 12 oz/A + Sequence 48 oz/A + Powermax 10 oz/A + Sentris 20 oz/A  
**Insecticide, Fungicides, Desiccants:** Two applications of Miravis Top Fungicide 13.7 oz/A + Penetrator 1-16. Dessicant of Gramoxone 10.5 oz/A + Firezone 1 pt/A.  
**Harvest Date:** 9/22/2022  
**Rows Harvested:** 45  
**Harvest Population:** 127,000  
**Moisture:** 11.1

## 3 LAWANDA MORRIS

**yield: 91.4943**

**County:** Bolivar  
**Soil Type:** Sandy Loam  
**Previous Crop:** Soybeans  
**Tillage:** Conventional  
**Planting Date:** 4/26/2022  
**Row Width:** 38 Twin  
**Planting Population:** 135,000  
**Variety:** Pioneer 40A90LX  
**Maturity Group:** 4.0  
**Seed Treatments:** CruiserMaxx Vibrance + Primo R1 seed inoculant  
**Tillage Operations:** Fall- chisel, disked 2x, bedded. Wheat CC. Spring- plowed  
**Irrigation System:** Furrow  
**Irrigation Inches:** 10.4  
**Rainfall Inches:** 15.7  
**Total Water:** 26.1  
**Bushels/In. of Water:** 3.5

**Fertilizer:** Spring - Ammonia sulfate 50 lbs/A, Potash 50 lbs/A.  
**Herbicide:** Spring - Gramoxone 32 oz/A + Boundary 24 oz/A + Campadre .25%. Post - Enginia 12.8 oz/A + Sequence 48 oz/A + Powermax 10 oz/A + Sentris 20 oz/A  
**Insecticide, Fungicides, Desiccants:** Two applications of Miravis Top Fungicide 13.7 oz/A + Soar Micro Mix Penetrator 1-16. Dessicant of Gramoxone 10.5 oz/A + Firezone 1 pt/A.  
**Harvest Date:** 9/8/2022  
**Rows Harvested:** 72  
**Harvest Population:** 124,000  
**Moisture:** 13.2

# NON-DELTA IRRIGATED DIVISION



## DIVISION AVERAGES:

**Planting Population:** 118,000

**Irrigation Inches:** 3.5

**Rainfall Inches:** 21.4

**Total Water:** 24.9

**Bushels/In. of Water:** 3.24

**Harvest Population:** 99,500

**Moisture:** 10.9

**Yield:** 78.9401

1

PHILIP GOOD

yield: 83.5876

**County:** Noxubee

**Soil Type:** Brooksville Silty Clay

**Previous Crop:** Corn

**Tillage:** Strip, Min, or Ridge Till

**Planting Date:** 5/3/2022

**Row Width:** 30

**Planting Population:** 117,000

**Variety:** Pioneer P53A74BX

**Maturity Group:** 5.3

**Seed Treatments:** Seedshield Plus & Hi-Stick Inoculant

**Tillage Operations:** Fall- Hipper /  
Bedder, Spring- Planted Stale-  
Seedbed

**Irrigation System:** Pivot

**Irrigation Inches:** 3.5

**Rainfall Inches:** 18.4

**Total Water:** 21.9

**Bushels/In. of Water:** 3.82

**Fertilizer:** Chicken Litter (50-50-50)  
Broadcast @ 2 tons/A

**Herbicide:** Burndown with Low Vol 6 (2,4-D) 16 fl oz/A + Clethodim 2E 10 fl oz/A +  
Leadoff 1.5 oz/A. Post Application R1  
stage was Roundup PowerMax 30 fl oz/A  
+ Prefix 32 fl oz/A

**Insecticide, Fungicides, Desiccants:**

One application of Ventrillix (vortioxetine)  
2 fl oz/A at R3, Fungicide Miravis Top 13.7  
fl oz/A at R3, and Dessicant used was  
Gramoxone SL R7 was 12.8 fl oz/A.

**Harvest Date:** 10/17/2022

**Rows Harvested:** 60

**Harvest Population:** 102,500

**Moisture:** 12.1

2

CHRISTIAN GOOD

yield: 74.2926

**County:** Noxubee

**Soil Type:** Vaiden Silty Clay

**Previous Crop:** Corn

**Tillage:** Strip, Min, or Ridge Till

**Planting Date:** 5/7/2022

**Row Width:** 30

**Planting Population:** 119,000

**Variety:** Pioneer P53A67X

**Maturity Group:** 5.3

**Seed Treatments:** Seedshield Plus & Hi-Stick Inoculant

**Tillage Operations:** Fall- Hipper /  
Bedder, Spring- Planted Stale-  
Seedbed

**Irrigation System:** Pivot

**Irrigation Inches:** 3.5

**Rainfall Inches:** 24.4

**Total Water:** 27.9

**Bushels/In. of Water:** 2.66

**Fertilizer:** Chicken Litter (50-50-50)  
Broadcast @ 2 tons/A

**Herbicide:** Burndown with Low Vol 6 (2,4-D) 16 fl oz/A + Clethodim 2E 10 fl oz/A +  
Leadoff 1.5 oz/A. Post Application R1  
stage was Roundup PowerMax 30 fl oz/A  
+ Prefix 32 fl oz/A

**Insecticide, Fungicides, Desiccants:**

One application of Ventrillix (vortioxetine)  
2 fl oz/A at R3, Fungicide Miravis Top 13.7  
fl oz/A at R3, and Dessicant used was  
Gramoxone SL R7 was 12.8 fl oz/A.

**Harvest Date:** 10/20/2022

**Rows Harvested:** 48

**Harvest Population:** 96,500

**Moisture:** 9.7



## NON-DELTA NON-IRRIGATED DIVISION



### DIVISION AVERAGES:

**Planting Population:** 116,167

**Rainfall Inches:** 21.1

**Total Water:** 21.1

**Bushels/In. of Water:** 3.50

**Harvest Population:** 100,383

**Moisture:** 11.3

**Yield:** 70.2819

1

**BILLY TABB**

**yield: 86.7264**

**County:** Webster

**Soil Type:** Chenneby silt loam

**Previous Crop:** Cotton

**Tillage:** No-Till

**Planting Date:** 4/27/2022

**Row Width:** 38

**Planting Population:** 120,000

**Variety:** Pioneer 44A21

**Maturity Group:** 4.4

**Seed Treatments:** Seedshield Plus & First  
Up LR inoculant

**Tillage Operations:** No-Till with wheat  
planted as a cover crop and killed  
March 23, 2022

**Rainfall Inches:** 18.8

**Total Water:** 18.8

**Bushels/In. of Water:** 4.61

**Fertilizer:** None

**Herbicide:** Burndown Roundup 32 oz/A  
= Intensity (Clethodim) 12 oz/A, R1  
Roundup 32 oz/A, R3 Roundup 32 oz/A.

**Insecticide, Fungicides, Desiccants:**

Insecticide Acephate 8 oz/A R5, Fungicide  
Azoxytrobium 6 oz/A R6, Dessicant  
Gramoxone 16 oz/A

**Harvest Date:** 9/16/2022

**Rows Harvested:** 64

**Harvest Population:** 69,000

**Moisture:** 14.3

2

**CHRISTIAN GOOD**

**yield: 71.6391**

**County:** Noxubee

**Soil Type:** Vaiden Silty Clay

**Previous Crop:** Corn

**Tillage:** Strip, Min, or Ridge Till

**Planting Date:** 5/1/2022

**Row Width:** 30

**Planting Population:** 119,000

**Variety:** Pioneer P53A74BX

**Maturity Group:** 5.3

**Seed Treatments:** Seedshield Plus &  
Hi-Stick Inoculant

**Tillage Operations:** Fall- Hipper /  
Bedder, Spring- Planted Stale-  
Seedbed

**Rainfall Inches:** 21.1

**Total Water:** 21.1

**Bushels/In. of Water:** 3.40

**Fertilizer:** Chicken Litter (50-50-50)  
Broadcast @ 2 tons/A

**Herbicide:** Burndown with Low Vol 6 (2,4-  
D) 16 fl oz/A + Clethodim 2E 10 fl oz/A +  
Leadoff 1.5 oz/A. Post Application R1  
stage was Roundup PowerMax 30 fl oz/A  
+ Prefix 32 fl oz/A

**Insecticide, Fungicides, Desiccants:**

One application of Ventrillix (vortioxetine)  
2 fl oz/A at R3, Fungicide Miravis Top 13.7  
fl oz/A at R3, and Dessicant used was  
Gramoxone SL R7 was 12.8 fl oz/A.

**Harvest Date:** 10/18/2022

**Rows Harvested:** 60

**Harvest Population:** 96,800

**Moisture:** 9.6

3

**BRANDON LITWILLER**

**yield: 69.4265**

**County:** Clay

**Soil Type:** Okolona silty clay

**Previous Crop:** Corn

**Tillage:** No-Till

**Planting Date:** 4/18/2022

**Row Width:** 30

**Planting Population:** 110,000

**Variety:** Innvictis 5558X

**Maturity Group:** 5.5

**Seed Treatments:** Vitalis RZ (liquid  
inoculant) + Revize PBI  
(insecticide/fungicide) seed treatment

**Tillage Operations:** No-Till

**Rainfall Inches:** 20.0

**Total Water:** 20.0

**Bushels/In. of Water:** 3.47

**Fertilizer:** None

**Herbicide:** Pre application of Roundup  
Powermax 3 @ 25 oz/A + Varsity  
(Flumioxazin) 2 oz/A. Post application of  
Roundup 25 oz/A + Engenia 12.8 oz/A.

**Insecticide, Fungicides, Desiccants:**

Fungicide - Trevo Elite @ 7 oz/A,  
Insecticide - Ventrillix 2L @ 2 oz/A, Ravage  
3 oz/A, Boron at 16 oz/A

**Harvest Date:** 9/29/2022

**Rows Harvested:** 144

**Harvest Population:** 110,000

**Moisture:** 11.1

## NON-DELTA NON-IRRIGATED DIVISION



### DIVISION AVERAGES:

**Planting Population:** 116,167

**Rainfall Inches:** 21.1

**Total Water:** 21.1

**Bushels/In. of Water:** 3.50

**Harvest Population:** 100,383

**Moisture:** 11.3

**Yield:** 70.2819

4

**MARSHALL LITWILLER**

**yield: 68.1240**

**County:** Clay

**Soil Type:** Kipling silt loam

**Previous Crop:** Corn

**Tillage:** Strip, Min, or Ridge Till

**Planting Date:** 4/22/2022

**Row Width:** 30

**Planting Population:** 112,000

**Variety:** Innvictis 5558X

**Maturity Group:** 5.5

**Seed Treatments:** Vitalis RZ (liquid inoculant) + Revize PBI (insecticide-fungicide) seed treatment + Duvet ST

**Tillage Operations:** No-Till

**Rainfall Inches:** 28.6

**Total Water:** 28.6

**Bushels/In. of Water:** 2.38

**Fertilizer:** None

**Herbicide:** Pre application of Roundup Powermax 3 @ 25 oz/A + Post application of Engenia 12.8 oz/A + Roundup Powermax 3 @ 25 oz/A

**Insecticide, Fungicides, Desiccants:**

Fungicide - Trevo Elite @ 7 oz/A,  
Insecticide - Ventrilix 2L @ 2 oz/A, Ravage 3 oz/acre, Boron at 16 oz/A

**Harvest Date:** 10/5/2022

**Rows Harvested:** 144

**Harvest Population:** 115,000

**Moisture:** 10.4

5

**LAMARCUS PHILLIPS**

**yield: 64.1287**

**County:** Lowndes

**Soil Type:** Freestone fine sandy loam

**Previous Crop:** Corn

**Tillage:** Conventional

**Planting Date:** 5/11/2022

**Row Width:** 30

**Planting Population:** 117,000

**Variety:** Pioneer P53A67X

**Maturity Group:** 5.3

**Seed Treatments:** Vitalis + Reveal Endurx + Revize PBI + Duvet ST

**Tillage Operations:** Fall tillage include chisel plow, vertical tillage and then bedded

**Rainfall Inches:** 13.9

**Total Water:** 13.9

**Bushels/In. of Water:** 4.61

**Fertilizer:** Chicken Litter Broadcast @ 2 tons/A + 100 lbs/A of Potash.

**Herbicide:** Burndown with Powermax 3 @ 32 oz/A + leadoff @ 1.5 oz/A. At planting Galvan 1.5 pt/A + Devour 32 oz/A. R1 application of Roundup Powermax 3 @ 32 oz/A + Engenia 12.8 oz/A.

**Insecticide, Fungicides, Desiccants:**  
Reveal Endurx 5.1 oz/A at R3

**Harvest Date:** 9/26/2022

**Rows Harvested:** 135

**Harvest Population:** 115,000

**Moisture:** 12.8

6

**PHILIP GOOD**

**yield: 61.6468**

**County:** Noxubee

**Soil Type:** Vaiden Silty Clay

**Previous Crop:** Corn

**Tillage:** Strip, Min, or Ridge Till

**Planting Date:** 5/6/2022

**Row Width:** 30

**Planting Population:** 119,000

**Variety:** Pioneer P53A67X

**Maturity Group:** 5.3

**Seed Treatments:** Seedshield Plus & Hi-Stick Inoculant

**Tillage Operations:** Fall- Hipper / Bedder, Spring- Planted Stale-Seedbed

**Rainfall Inches:** 24.4

**Total Water:** 24.4

**Bushels/In. of Water:** 2.53

**Fertilizer:** Chicken Litter (50-50-50) Broadcast @ 2 tons/A

**Herbicide:** Burndown with Low Vol 6 (2,4-D) 16 fl oz/A + Clethodim 2E 10 fl oz/A + Leadoff 1.5 oz/A. Post Application R1 stage was Roundup PowerMax 30 fl oz/A + Prefix 32 fl oz/A

**Insecticide, Fungicides, Desiccants:**  
One application of Ventrilix (vortioxetine) 2 fl oz/A at R3, Fungicide Miravis Top 13.7 fl oz/A at R3, and Dessicant used was Gramoxone SL R7 was 12.8 fl oz/A.

**Harvest Date:** 10/20/2022

**Rows Harvested:** 48

**Harvest Population:** 96,500

**Moisture:** 9.3



# THANK YOU

We want to commend all of the entrants and congratulate the winners for the 2022 Grow It. Show It. Win It. Mississippi Soybean Yield Challenge! We appreciate the participation of all the producers entered in the contest and the sharing of their production methods and management practices with the rest of the Mississippi soybean industry. Stay tuned for updates and information regarding the 2023 Mississippi Soybean Yield Challenge on the MSPB website.

## CONNECT WITH MSPB

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