



RESULTS & PRODUCTION INFORMATION



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

MSSOY.ORG

Table of Contents

About the MSPB Yield Challenge	3
Delta Irrigated Division Results	4-5
Delta Non-Irrigated Division Results	6-7
Non-Delta Irrigated Division Results	8-9
Non-Delta Non-Irrigated Division Results	10-11
Closing Remarks	12



2023 RESULTS MISSISSIPPI SOYBEAN YIELD CHALLENGE

The Mississippi Soybean Promotion Board established the Grow It. Show It. Win It. Mississippi Soybean Yield Challenge in the 2022 growing season and just completed a very successful year two production challenge in 2023. 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 Mississippi Soybean Yield Challenge is 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: 135,944
Irrigation Inches: 7.0
Rainfall Inches: 12.0
Total Water: 19.0
Harvest Population: 112,482
Moisture: 11.2
Yield: 88.9237

1

ADRON BELK

yield: 95.3463

County: Sunflower
Soil Type: Forestdale Silt Loam
Previous Crop: Corn
Tillage: Conventional
Planting Date: 4/20/2023
Row Width: 30"
Planting Population: 110,000
Variety: Pioneer 44A21X
Maturity Group: 4.4
Seed Treatments: RenPro+, Foray
Tillage Operations: Fall - Lemken Disk, Kelly Diamond Harrow, Rolacone Hipper and Roller
Irrigation System: Furrow
Irrigation Inches: 3.0
Rainfall Inches: 18.0
Total Water: 21.0

Fertilizer: Spring - Ammonia Sulfate 100 lbs/A; Banded on top of row 9-30-0 + .5 lb Boron + .5 lb zinc. Delivered K 1 gallon/A with Fungicide @ R3
Herbicide: Fall - Gramoxone 1qt/A & Boundary 1 pt/A; Planting - Gramoxone 1 qt/A + Boundary 24 oz/A; V5 application of Roundup 32 oz/A + Tavium 56.5 oz/A
Insecticide, Fungicides, Desiccants: Fungicide: Miravis Top 13.7 oz/A
Insecticide: Lambda-Cy 1.4 oz/A
Harvest Date: 9/16/2023
Harvest Population: 74,833
Moisture: 10.8

2

ROB BAKER

yield: 94.2196

County: Washington
Soil Type: Forestdale Silty Clay Loam
Previous Crop: Corn
Tillage: Conventional
Planting Date: 4/14/2023
Row Width: 40" Twin
Planting Population: 140,000
Variety: Revere 4795XS
Maturity Group: 4.7
Seed Treatments: CruiserMaxx APX
Tillage Operations: Fall - disk twice + Shortline In-line Subsoiler with busters and rollers
Irrigation System: Furrow
Irrigation Inches: 9.0
Rainfall Inches: 17.1
Total Water: 26.1

Fertilizer: Variable Rate - Posphate - 129 lbs/A + Potash 99 lbs/A + Lime 158 lbs/A
Herbicide: Fall - Boundary 1 qt/A; Pre-Emergence - Boundary 24 oz/A + Gramoxone 24 oz/A; R1 - Tavium 56 oz/A + Roundup 1 qt/A
Insecticide, Fungicides, Desiccants: R3 - Miravis Top 13.7 oz/A + Lambda 1:45; Desiccant - Gramoxone 10.4 oz/A
Harvest Date: 8/31/2023
Harvest Population: 122,670
Moisture: 11.7

3

BUBBA DELOACH

yield: 92.7240

County: Leflore
Soil Type: Tensas Silty Clay Loam
Previous Crop: Corn
Tillage: Conventional
Planting Date: 4/15/2023
Row Width: 38"
Planting Population: 137,500
Variety: Asgrow 48XF2
Maturity Group: 4.8
Seed Treatments: Vitalis, PBI-Simplot
Tillage Operations: Fall - Vertical Till + Row Up + Roll Beds
Irrigation System: Furrow
Irrigation Inches: 8.0
Rainfall Inches: 8.1
Total Water: 16.1

Fertilizer: FGS Carbon Complete 4 gallons/A
Herbicide: Fall Application - Dual 24 oz/A + Valor 2 oz/A + Paraquat 24 oz/A; V1-V2 Roundup 1 Qt/A + Engenia 12.8 oz/A + Zidua 4 oz/A
Insecticide, Fungicides, Desiccants: R3 - Bifenthrin 4.25 oz/A + Revytec 8 oz/A; R7 Gramoxone 12.8 oz/A
Harvest Date: 9/8/2023
Harvest Population: 130,000
Moisture: 13.3

DELTA IRRIGATED DIVISION

	County	Variety	Soil Type	Plant Date	Row Spacing	Planting Pop.	Yield
Adron Belk	Sunflower	Pioneer 44A21X	Forestdale Silt Loam	4/20/2023	30"	110,000	95.3463
Rob Baker	Washington	Revere 4795XS	Forestdale Silty Clay Loam	4/14/2023	40" Twin	140,000	94.2196
Bubba Deloach	Leflore	Asgrow 48XF2	Tensas Silty Clay Loam	4/15/2023	38"	137,500	92.7240
Collins Fyfe	Tunica	Asgrow 46XF3	Tensas Silty Clay Loam	4/20/2023	38" Twin	140,000	91.5028
Rocco Morris Jr.	Bolivar	Asgrow 48X9	Pearson Silt Loam	4/17/2023	38" Twin	145,000	87.9436
Lawanda Morris	Bolivar	Pioneer 44A21X	Dowling Sharkey Clay	4/16/2023	38" Twin	145,000	87.8126
William Payne	Washington	Revere 4795XS	Dundee Silt Loam	4/15/2023	30"	135,000	86.6447
Lake Lindsey	Leflore	Asgrow 46XF3	Dundee Silt Loam	4/19/2023	38" Twin	136,000	84.4996
Brian Fyfe	Coahoma	Revere 4826XF	Dundee Silty Clay Loam	4/18/2023	9"	135,000	79.6170



DIVISION AVERAGES:

Planting Population: 135,944

Irrigation Inches: 7.0

Rainfall Inches: 12.0

Total Water: 19.0

Harvest Population: 112,482

Moisture: 11.2

Yield: 88.9237



DELTA NON-IRRIGATED DIVISION



DIVISION AVERAGES:

Planting Population: 140,833
Rainfall Inches: 12.3
Total Water: 12.3
Harvest Population: 115,333
Moisture: 10.6
Yield: 59.8970

1

LAWANDA MORRIS

yield: 69.1279

County: Bolivar
Soil Type: Dowling Sharkey Clay
Previous Crop: Soybeans
Tillage: Conventional
Planting Date: 5/3/2023
Row Width: 38" Twin
Planting Population: 145,000
Variety: Agrigold 4190RX
Maturity Group: 4.2
Seed Treatments: AgriShield F & I
Tillage Operations: Fall - Chisel +
Bedded + 120 lbs/A of Wheat
Rainfall Inches: 10.2
Total Water: 10.2

Fertilizer: Ammonia Sulfate & Potash
@ 50 lbs/A; Foliar Inseason Coron
Metra 10B 1/2 gal/A + Sulphur
Complete 1 lb/A + Delstar Bio PK 1
qt/A
Herbicide: Pre - Emergz/acreeence -
Powermax 32 oz/A, Gramoxone 32
oz/A, Boundary 24 oz/A + Compadre
Scanner 1/4%; Vegetative -Miravis Top
13.7 oz/A; Post Emergence - Engenia
12.8 oz/A + Sequence 48 oz/A +
Sentris 8 oz/A + Reign 1 pt/A +
Powermax 10 oz/A
Insecticide, Fungicides, Desiccants:
Desiccant - Gramoxone 10.5 oz/A
Harvest Date: 8/29/2023
Harvest Population: 106,833
Moisture: 12.0

2

COLLINS FYFE

yield: 69.0464

County: Tunica
Soil Type: Tensas Silty Clay Loam
Previous Crop: Corn
Tillage: Conventional
Planting Date: 4/12/2023
Row Width: 38" Twin
Planting Population: 140,000
Variety: Asgrow 46XF3
Maturity Group: 4.6
Seed Treatments: Dyna Start
Conguest + Dyan Starts 3 P
Tillage Operations: Fall - Disk +
Paratill + Hipper Chopper
Rainfall Inches: 10.8
Total Water: 10.8

Fertilizer: 100 lbs/A of 0-0-60
Herbicide: Planting - Gramoxone 1
pt/A + Intimidator 2.0 oz/A; V1 -
Roundup 32 oz/A + Medal 16 oz/A +
Engenia 12.8 oz/A
Insecticide, Fungicides, Desiccants:
Desiccant - Gramoxone 12 oz/A +
Sharpen 1 oz/A
Harvest Date: 9/10/2023
Harvest Population: 111,500
Moisture: 12.4

3

MATT WILLIAMSON

yield: 62.5146

County: Sunflower
Soil Type: Dundee Silt Loam
Previous Crop: Soybeans
Tillage: Conventional
Planting Date: 4/17/2023
Row Width: 38"
Planting Population: 140,000
Variety: Great Heart 4677XS
Maturity Group: 4.6
Seed Treatments: Apron Max +
Imidocloprid + Duvet
Tillage Operations: Fall - Cultivate
Rainfall Inches: 19.8
Total Water: 19.8

Fertilizer: 200 lbs/A of 0-23-30
Herbicide: Pre-Emergence -
Gramoxone 40 oz/A; In-season -
Engenia 12.8 oz/A + VolaCept 1/4% +
Envy 6Max 32 oz/A + Visor SMOC 1
pint/A
Insecticide, Fungicides, Desiccants:
Insecticide - Ravage 4.2 oz/A
Harvest Date: 9/19/2023
Harvest Population: 131,000
Moisture: 10.8

DELTA NON-IRRIGATED DIVISION

	County	Variety	Soil Type	Plant Date	Row Spacing	Planting Pop.	Yield
Lawanda Morris	Bolivar	Agrigold 4190RX	Dowling Sharkey Clay	5/3/2023	38"	145,000	69.1279
Collins Fyfe	Tunica	Asgrow 46XF3	Tensas Silty Clay Loam	4/12/2023	38"	140,000	69.0464
Matt Williamson	Sunflower	Great Heart 4677XS	Dundee Silt Loam	4/17/2023	38"	140,000	62.5146
Brian Fyfe	Coahoma	Revere 4826XSF	Dowling Sharkey Clay	4/17/2023	9"	135,000	59.3283
Rob Baker	Washington	Asgrow 48X9	Sharkey Clay	4/25/2023	15"	150,000	53.1047
William Payne	Washington	Revere 4795XS	Dundee Silt Loam	4/13/2023	30"	135,000	46.2602



DIVISION AVERAGES:

Planting Population: 140,833

Rainfall Inches: 12.3

Total Water: 12.3

Harvest Population: 115,333

Moisture: 10.6

Yield: 59.8970



NON-DELTA IRRIGATED DIVISION



DIVISION AVERAGES:

Planting Population: 116,046
Irrigation Inches: 4.0
Rainfall Inches: 18.4
Total Water: 22.5
Harvest Population: 94,714
Moisture: 10.5
Yield: 86.6723

1

RODNEY MCGILL

yield: 97.9898

County: Noxubee
Soil Type: Brooksville Silty Clay
Previous Crop: Cotton
Tillage: Conventional
Planting Date: 4/23/2023
Row Width: 15"
Planting Population: 120,000
Variety: Asgrow 48X9
Maturity Group: 4.8
Seed Treatments: Seed Inoculant - Dyna Start 3P; Seed Fungicide Apronmaxx; Seed Insecticide Cruisermaxx
Tillage Operations: Fall - Chisel + broadcast 50# wheat & incorporated with high speed disc
Irrigation System: Pivot
Irrigation Inches: 2.4
Rainfall Inches: 23.9
Total Water: 26.3

Fertilizer: Fall Poultry Litter 2.0 tons/A; R1 - R3 Source by Sounday 1 0z/A + Nutrisync Boron 16 oz/A + Urea 100 lbs/A
Herbicide: Burndown - Valor Sx 2.0 oz/A + Strut 12 oz/A + Makaze 40 oz/A + Intensity One 12 oz/A
Insecticide, Fungicides, Desiccants: Insecticide - R3 application of Dimilin 2 oz/A + Sniper 4 oz/A; Fungicide - R3 application of Miravis Top 14 oz/A
Harvest Date: 9/23/2023
Harvest Population: 88,000
Moisture: 10.4

2

PHILIP GOOD

yield: 93.7998

County: Noxubee
Soil Type: Brooksville Silty Clay
Previous Crop: Corn
Tillage: Conventional
Planting Date: 4/24/2023
Row Width: 30"
Planting Population: 119,000
Variety: Pioneer P53A67X
Maturity Group: 5.3
Seed Treatments: Vault soybean Inoculant, Seed Shield Plus
Tillage Operations: Fall - Chisel - Disk and Bedded
Irrigation System: Pivot
Irrigation Inches: 5.1
Rainfall Inches: 16.9
Total Water: 22.0

Fertilizer: Lime - 2 tons/A + 200 lbs/A of 0-0-60
Herbicide: Burndown - Dicamba 10 fl oz/A + Glyphosate 32 fl oz/A + Sharpen 1.25 oz/A; Pre-emergence - Gramoxone SL 26 fl oz/A + Tribal 40 fl oz/A; Post-emergence - Glyphosate 32 fl oz/A + Prefix 32 fl oz/A
Insecticide, Fungicides, Desiccants: Insecticides - Miravis Top 13.7 fl oz/A + Cavalier 2 fl oz/A; Desiccant - Gramoxone SL 16 fl oz/A
Harvest Date: 9/27/2023
Harvest Population: 108,000
Moisture: 11.3

3

BRANDON LITWILLER

yield: 93.7199

County: Monroe
Soil Type: Brooksville Silty Clay
Previous Crop: Corn
Tillage: Conventional
Planting Date: 4/10/2023
Row Width: 30"
Planting Population: 90,000
Variety: Pioneer P53A67X
Maturity Group: 5.3
Seed Treatments: Vitalis RZ + Innvictis Revise PBI + Duvet ST
Tillage Operations: Fall - Chisel + Disk Harrow + Bed
Irrigation System: Pivot
Irrigation Inches: 2.7
Rainfall Inches: 7.3
Total Water: 10.0

Fertilizer: Fall - 200 lbs/A of 0-0-60 + 30 lbs/A of Blackoats; In season application of Boron 10 @ 16 oz/A + Thrve 8-21-6 @ 32 oz/A
Herbicide: Preplant Brundown - Power Max 3 @ 32 oz/A; Burndown - Venturi 3.2 oz/A + Varsity 2 oz/A; Vegetative 4 - PowerMax 3 @ 32 oz/A
Insecticide, Fungicides, Desiccants: Fungicide - Trevo Elite 7 oz/A @ R2 growth stage; R3 Growth Stage - Ravage 3.5 oz/A + Ventrillix 2.0 oz/A
Harvest Date: 10/3/2023
Harvest Population: 95,250
Moisture: 11.8

NON-DELTA IRRIGATED DIVISION

	County	Variety	Soil Type	Plant Date	Row Spacing	Planting Pop.	Yield
Rodney McGill	Noxubee	Asgrow 48X9	Brooksville Silty Clay	4/23/2023	15"	120,000	97.9898
Philip Good	Noxubee	Pioneer 53A67X	Brooksville Silty Clay	4/24/2023	30"	119,000	93.7998
Brandon Litwiller	Monroe	Pioneer 53A67X	Brooksville Silty Clay	4/10/2023	30"	90,000	93.7199
Dale Weaver	Noxubee	Asgrow 48X9	Brooksville Silty Clay	4/24/2023	30"	120,000	92.0074
Philip Wedel	Noxubee	Asgrow 48X9	Brooksville Silty Clay	4/25/2023	30"	123,325	88.6923
Lane Giesbrecht	Noxubee	Pioneer 53A67X	Brooksville Silty Clay	4/18/2023	30"	120,000	75.0087
Austin Giesbrecht	Noxubee	Asgrow 48X9	Brooksville Silty Clay	4/19/2023	15"	120,000	65.4885



DIVISION AVERAGES:

Planting Population: 116,046

Irrigation Inches: 4.0

Rainfall Inches: 18.4

Total Water: 22.5

Harvest Population: 94,714

Moisture: 10.5

Yield: 86.6723



NON-DELTA NON-IRRIGATED DIVISION



DIVISION AVERAGES:

Planting Population: 120,941
Rainfall Inches: 18.0
Total Water: 18.0
Harvest Population: 102,708
Moisture: 10.5
Yield: 77.9691

1 PHILIP WEDEL

yield: 88.9246

County: Noxubee
Soil Type: Okalona Silty Clay
Previous Crop: Corn
Tillage: Minimum Tillage
Planting Date: 4/25/2023
Row Width: 30"
Planting Population: 123,531
Variety: Asgrow 48X9
Maturity Group: 4.8
Seed Treatments: Seed Shield (azoxystrobin, fludioxnil, sedaxane, mefenozam); Seed Shield (thiamethozam)
Tillage Operations: Fall - Vertical Tillage + Bedded
Rainfall Inches: 24.5
Total Water: 24.5

Fertilizer: None
Herbicide: Mikaze 40 oz/A at V5 Growth stage
Insecticide, Fungicides, Desiccants: Insecticide R3 - Dimilin 2 oz/A & R5 - Bifenthrin 1:25 + Acephate .5 lbs/A; Fungicide - Miravis Top 13.7 oz/A; Desiccant - Gramaxone 24 oz/A
Harvest Date: 9/14/2023
Harvest Population: 104,200
Moisture: 12.8

2 SHELDON LITWILLER

yield: 86.3227

County: Monroe
Soil Type: Houston Clay
Previous Crop: Corn
Tillage: Minimum
Planting Date: 3/30/2023
Row Width: 30"
Planting Population: 120,000
Variety: Pioneer 53A67X
Maturity Group: 5.3
Seed Treatments: Cruisermaxx
Tillage Operations: Fall - Disk - Harrow - Bedded
Rainfall Inches: 10.2
Total Water: 10.2

Fertilizer: Fall - 0-18-36 @ 250 lbs/A
Herbicide: Pre-Plant - Gramoxone 1 32 oz/A + Valor 4 oz/A; V1 Roundup + Engenia and V4 Roundup + Engenia
Insecticide, Fungicides, Desiccants: Fungicide - Azoxystrobin 6 oz/A
Harvest Date: 9/22/2023
Harvest Population: 110,750
Moisture: 9.4

3 RODNEY MCGILL

yield: 82.7000

County: Noxubee
Soil Type: Brooksville silty clay
Previous Crop: Cotton
Tillage: Conventional
Planting Date: 4/23/2023
Row Width: 30"
Planting Population: 120,000
Variety: Asgrow 48X9
Maturity Group: 4.8
Seed Treatments: Seed Inoculant - Dyna Start 3P; Seed Fungicide - ApronMaxx; Seed Insecticide - CruiserMaxx
Tillage Operations: Fall - Chisel + Broadcast wheat 50/A with high speed disc
Rainfall Inches: 23.8
Total Water: 23.8

Fertilizer: Fall - Chicken Litter 2 tons/A; R3 application of Source by Soundag 1 oz/A + Nutrisync Boron 16 oz/A; R1 application of 46-0-0 @ 100 lbs/A
Herbicide: Burndown - Valor SX 2 oz/A = Strut @12 oz/A + Makaze @40 oz/A + Intensity One @12 oz/A; V3 application of Flexstar GT @ 3.5 pints/A; R3 application of Makaze @ 32 oz/A
Insecticide, Fungicides, Desiccants: Insecticide R3 application - Dimilin 2 oz/A + Sniper 4 oz/A; Fungicide Miravis Top 14 oz/A
Harvest Date: 9/22/2023
Harvest Population: 88,000
Moisture: 10.3

NON-DELTA NON-IRRIGATED DIVISION

	County	Variety	Soil Type	Plant Date	Row Spacing	Planting Pop.	Yield
Philip Wedel	Noxubee	Asgrow 48X9	Okalona Silty Clay	4/25/2023	30"	123,531	88.9246
Sheldon Litwiller	Monroe	Pioneer 53A67X	Houston Clay	3/30/2023	30"	120,000	86.3227
Rodney McGill	Noxubee	Asgrow 48X9	Brooksville Silty Clay	4/23/2023	30"	120,000	82.7000
Christian Good	Noxubee	Pioneer 53A67X	Vaiden Clay	4/26/2023	30"	119,000	82.4458
Lane Giesbrecht	Noxubee	Pioneer 53A67X	Brooksville Silty Clay	4/20/2023	30"	120,000	79.1340
Brandon Litwiller	Monroe	Innvictis 5558X	Brooksville Silty Clay	4/10/2023	30"	90,000	70.2719
Tracy Huey	Pontotoc	Asgrow 52X9	Mantachie Sandy Loam	5/25/2023	15"	140,000	67.5446
Phil Robbins	Pontotoc	Asgrow 48XF3	Arkabutla Silt Loam	5/23/2023	19"	135,000	66.4089



DIVISION AVERAGES:

Planting Population: 120,941

Rainfall Inches: 18.0

Total Water: 18.0

Harvest Population: 102,708

Moisture: 10.5

Yield: 77.9691





THANK YOU

We want to commend all of the entrants and congratulate the winners of the 2023 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 2024 Mississippi Soybean Yield Challenge on the MSPB website.

CONNECT WITH MSPB

Website:

www.mssoy.org

Email:

mississippisoybean@gmail.com

X:

@MSSOY

Instagram:

@mississippi_soybean

Facebook:

Mississippi Soybean Promotion Board

YouTube

@MississippiSoybean