

## 2024 Arkansas Soybean Performance Results, Disease Rating, and Agronomic Characteristics

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Hundreds of soybean varieties are commercially available to growers in Arkansas. Varietal performance, including yield, varies according to location, environmental adaptability to soils, maturity, lodging, height, disease and nematode resistance, and herbicide and chloride sensitivity. This information listed in this publication is largely derived from the University of Arkansas System Division of Agriculture Soybean Performance Trials and screening programs, and is provided as an aid in variety selection.

Since proper variety selection involves knowledge of yield potential, maturity, disease reaction, herbicide sensitivity, etc., these and many other important characteristics are listed in **Tables 10 and 11**. Varieties are considered adapted to Arkansas conditions based primarily on their yield performance across the different geographical regions of Arkansas. The location, soil description, and cultural information for each of the 2024 Arkansas Soybean Performance Tests are found in **Tables 1 and 2**. **All varieties listed in this**

**publication have been tested in the University of Arkansas System Division of Agriculture's Soybean Performance Trials.**

Soybean variety performance may vary from year to year, and two-year averages are better predictors of performance than data from a single year. Superior performance across several locations suggests that a variety has wide adaptability, thus multi-year and multi-location yields are particularly useful for making variety selection decisions.

### ADAPTED SOYBEAN VARIETIES FOR EARLY SOYBEAN PRODUCTION

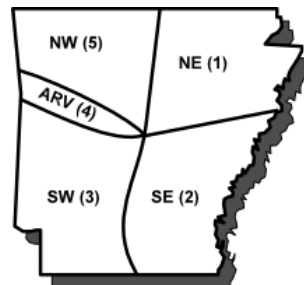
Generally, varieties within MG IV are the best adapted for these early (April) plantings in Arkansas; however, there are situations where varieties from MG III and V may perform well. Recent research indicates that indeterminate MG IV varieties can produce acceptable yield when planted early (April) and will normally mature in August through mid-September. Varieties of differing relative maturity (even within the same

MG) are recommended in an attempt to spread out the risk of shattering due to adverse weather conditions or mechanical problems at harvest. In Arkansas, the following designations apply to varieties representing the various MG's: III – very early maturity; IV – early maturity; and V – mid-season maturity.

## ABOUT THIS PUBLICATION

**Tables 1 and 2** consist of cultural information that pertains to the 2024 University of Arkansas System Division of Agriculture's Soybean Performance Trials (<http://arkansas-variety-testing.uark.edu>). **Tables 3 through 9** contain varietal yield information for 2023 and 2024 for the Early-Planted tests, Full-Season Irrigated Tests, Late Planted Test, and Non-irrigated Test. **Tables 10 and 11** contain the many varietal characteristics of those varieties designated as being adapted to the Arkansas soybean production environment.

**Users of this publication are encouraged to review the "Key Code" page for further explanation regarding varietal rating to disease, herbicide sensitivity and other agronomic considerations.**



**Figure 1. Area of Adaptation for Soybean Maturity Groups for All Production Systems**

**Northeast Arkansas (1):** Groups III, IV, or V

**Southeast Arkansas (2):** Groups III, IV, or V

**Southwest Arkansas (3):** Groups III, IV, or V

**Arkansas River Valley (4):** Groups III, IV, or V

**Northwest Arkansas (5):** Groups IV or V

☐

Acknowledgements are extended to the host of University of Arkansas System Division of Agriculture workers for their significant contributions to this update.

## 2024 Soybean Update

**Table 1. Location, Soil Description, and Cultural Information of Early-Planted Soybean Performance Trials, 2024.<sup>1</sup>**

Location	Planting Target	Irrigation	Soil Texture	Row Spacing	Planting Date	Harvest Dates		
						Early 4	Late 4	MG 5
RREC, Stuttgart, Ark.	Early Planted Trial	Irrigated	Dewitt, silt loam	Single 30"	4/5/24	10/14/24	10/14/2024	10/14/24

**Table 2. Location, Soil Description, and Cultural Information of Full-Season Irrigated and Non-irrigated, and Late-Planted Soybean Performance Trials, 2024.<sup>1</sup>**

Location	Planting Target	Irrigation	Soil Texture	Row Spacing	Planting Date	Harvest Dates		
						Early 4	Late 4	MG 5
NREC, Keiser, Ark.	Traditional Planting	Irrigated	Sharkey, silty clay	Single 38"	5/29/24	10/15/2024	10/16/24	10/18/24
VRS, Kibler, Ark.	Traditional Planting	Irrigated	Dardanelle, silt loam	Twin 36"	6/10/24	10/15/24	10/22/24	10/22/24
LMCRS, Marianna, Ark.	Traditional Planting	Dryland	Loring, silt loam	Single 38"	5/15/24	10/8-10/10/24	10/10/24	10/15/24
PTRS, Colt, Ark.	Traditional Planting	Irrigated	Calhoun, silt loam	Single 30"	5/16/24	10/25/24	10/25/24	10/29/24
NEC, Newport, Ark.	Traditional Planting	Irrigated	Dexter, silt loam/Bosket, fine sandy loam	Single 30"	5/15/24	10/9/24	10/9/24	10/22/24
RREC, Stuttgart, Ark.	Traditional Planting	Irrigated	Dewitt, silt loam	Single 30"	5/11/24	10/24/24	10/29/24	11/15/24
RREC, Stuttgart, Ark.	Traditional Planting	Dryland	Dewitt, silt loam	Single 30"	5/15/24	10/24/24	10/30/24	11/15/24

**The KEY CODE for all the following tables is found on the back pages. Refer to the KEY CODE for a description of the abbreviated varietal characteristics.**

**HOW TO MAKE YIELD COMPARISONS USING THE FOLLOWING TABLES:** The LSD (0.05), Least Significant Difference, represents the minimum yield difference required between two varieties within the same location before concluding that their yields are truly different (while assuming a 5% risk that the yield differences are due to random chance.) Use only the LSD value listed below each column (location-maturity group) to compare variety yield averages among varieties within that column.

**Note: “Lighter Shading” of a variety mean indicates that there are no statistical differences between that varietal mean and the highest yielding (“Darker Shading”) varietal mean at the test location utilizing the appropriate LSD (0.05) value.**

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Table 3. Yields (bu/ac) of Maturity Group IV Soybean Varieties and Experimental Lines in the Early-planted Tests at Stuttgart, AR, 2024.<sup>1</sup>

Variety/Experimental Line	Herbicide Technology	Relative Maturity	Stuttgart bu/ac
AG44XF4	RR2XF	4.4	48.4
AG45XF3	RR2XF	4.5	69.7
AG46XF3	RR2XF	4.6	64.3
AG47XF2	RR2XF	4.7	58.2
AG48XF3	RR2XF	4.8	77.5
AG49XF4	RR2XF	4.9	60.2
DELTA GROW 43XF65STS	RR2XF	4.3	73.5
DELTA GROW 48XF33STS	RR2XF	4.8	63.1
DELTA GROW 48XF70STS	RR2XF	4.8	54.6
DELTA GROW 48XF80	RR2XF	4.8	57.1
DELTA GROW DG46XF54STS	RR2XF	4.6	69.3
DELTA GROW DG47XF90STS	RR2XF	4.7	77.6
DELTA GROW DG49XF85STS	RR2XF	4.9	71.6
DELTA GROW DG52XF90STS	RR2XF	5.2	67.4
DELTA GROW DG53XF95STS	RR2XF	5.3	74.2
NK47-G5E3S	Enlist E3	4.7	62.9
NK48-A8XFS	RR2XF	4.8	62.5
NK49-C2XFS	RR2XF	4.9	64.8
NK49-N7XF	RR2XF	4.9	60.7
Pioneer P43Z44SE	Enlist E3	4.3	54.4
Pioneer P45A70LX	RR2X	4.5	58.5
Pioneer P45Z75E	Enlist E3	4.5	70.3
Pioneer P46A90LX	RR2XF	4.6	61.7
Pioneer P46Z53E	Enlist E3	4.6	58.8
Pioneer P48A14E	Enlist E3	4.8	64.8
Pioneer P48Z70BLX	RR2XF	4.8	56.7
Pioneer P49Z02E	Enlist E3	4.9	70.9
Progeny P4524XFS	RR2XF	4.5	68.2
Progeny P4604XFS	RR2XF	4.6	70.6
Progeny P4623XF	RR2XF	4.6	57.8
Progeny P4634E3	Enlist E3	4.6	66.2
Progeny P4691XFS	RR2XF	4.6	61.8
Progeny P4724XFS	RR2XF	4.7	73.9
Progeny P4734XFS	RR2XF	4.7	65.8
Progeny P4775E3S	Enlist E3	4.7	71.9
Progeny P4798XF	RR2XF	4.7	62.3
Progeny P4806XFS	RR2XF	4.8	40.9
Progeny P4824XF	RR2XF	4.8	72.7
Progeny P4842XFS	RR2XF	4.8	64.8
Progeny P4848XF	RR2XF	4.8	54.5
Progeny P4947XFS	RR2XF	4.9	55.6
Progeny P4999E	Enlist E3	4.9	65.9
Progeny P5056XFS	RR2XF	5.0	65.1
R19C-1001	Conv.	4.9	75.2
R19C-1035	Conv.	4.5	70.2
R19C-1081	Conv.	4.3	64.3
R20C-1493	Conv.	4.6	52.5
R21C-00442	Conv.	4.1	57.2
R21C-02207	Conv.	4.5	60.0
R21C-02922	Conv.	4.7	66.6
R23PR-00037	Enlist E3	4.9	71.0
R23PR-00068	Enlist E3	4.9	69.3
Grand Mean	•	•	64.1
LSD	•	•	8.1
C.V.	•	•	9.3

Table 3. Yields (bu/ac) of Maturity Group IV Soybean Varieties and Experimental Lines in the Early-planted Tests at Stuttgart, AR, 2024.<sup>a</sup>

Variety/Experimental Line	Herbicide Technology	Relative Maturity	Stuttgart bu/ac
AG44XF4	RR2XF	4.4	48.4
AG45XF3	RR2XF	4.5	69.7

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AG46XF3	RR2XF	4.6	64.3
AG47XF2	RR2XF	4.7	58.2
AG48XF3	RR2XF	4.8	77.5
AG49XF4	RR2XF	4.9	60.2
DELTA GROW 43XF65STS	RR2XF	4.3	73.5
DELTA GROW 48XF33STS	RR2XF	4.8	63.1
DELTA GROW 48XF70STS	RR2XF	4.8	54.6
DELTA GROW 48XF80	RR2XF	4.8	57.1
DELTA GROW DG46XF54STS	RR2XF	4.6	69.3
DELTA GROW DG47XF90STS	RR2XF	4.7	77.6
DELTA GROW DG49XF85STS	RR2XF	4.9	71.6
DELTA GROW DG52XF90STS	RR2XF	5.2	67.4
DELTA GROW DG53XF95STS	RR2XF	5.3	74.2
NK47-G5E3S	Enlist E3	4.7	62.9
NK48-A8XFS	RR2XF	4.8	62.5
NK49-C2XFS	RR2XF	4.9	64.8
NK49-N7XF	RR2XF	4.9	60.7
Pioneer P43Z44SE	Enlist E3	4.3	54.4
Pioneer P45A70LX	RR2X	4.5	58.5
Pioneer P45Z75E	Enlist E3	4.5	70.3
Pioneer P46A90LX	RR2XF	4.6	61.7
Pioneer P46Z53E	Enlist E3	4.6	58.8
Pioneer P48A14E	Enlist E3	4.8	64.8
Pioneer P48Z70BLX	RR2XF	4.8	56.7
Pioneer P49Z02E	Enlist E3	4.9	70.9

Progeny P4604XFS	RR2XF	4.6	70.6
Progeny P4623XF	RR2XF	4.6	57.8
Progeny P4634E3	Enlist E3	4.6	66.2
Progeny P4691XFS	RR2XF	4.6	61.8

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Progeny P4724XFS	RR2XF	4.7	73.9
Progeny P4734XFS	RR2XF	4.7	65.8
Progeny P4775E3S	Enlist E3	4.7	71.9
Progeny P4798XF	RR2XF	4.7	62.3
Progeny P4806XFS	RR2XF	4.8	40.9
Progeny P4824XF	RR2XF	4.8	72.7
Progeny P4842XFS	RR2XF	4.8	64.8
Progeny P4848XF	RR2XF	4.8	54.5
Progeny P4947XFS	RR2XF	4.9	55.6
Progeny P4999E	Enlist E3	4.9	65.9
Progeny P5056XFS	RR2XF	5.0	65.1
R19C-1001	Conv.	4.9	75.2
R19C-1035	Conv.	4.5	70.2
R19C-1081	Conv.	4.3	64.3
R20C-1493	Conv.	4.6	52.5
R21C-00442	Conv.	4.1	57.2
R21C-02207	Conv.	4.5	60.0
R21C-02922	Conv.	4.7	66.6
R23PR-00037	Enlist E3	4.9	71.0
R23PR-00068	Enlist E3	4.9	69.3
Grand Mean	•	•	64.1
LSD	•	•	8.1
C.V.	•	•	9.3

\*Stuttgart = Rice Research and Extension Center, Stuttgart, Ark.

# 2024 Soybean Update

Table 4. 2024 Yield and 2-year Average Yield (bu/ac) of Relative Maturity 4.0-4.5 Non-Xtend Soybean Varieties/ Experimental Lines Across Arkansas.<sup>1,2,5,6</sup>

Variety/Experimental Line	2024 Keiser	Keiser 2-Yr Avg	2024 Kibler	Kibler 2-Yr Avg	2024 Newport	Newport 2-Yr Avg	2024 Pine Tree	Pine Tree 2-Yr Avg	2024 Stuttgart	Stuttgart 2-Yr Avg	2024 Marianna NI	2024 Stuttgart NI	Stuttgart NI 2-Yr Avg	Irrig Avg
	bu./ac													
Benson Hill BH37Q218	56.1	•	50.2	•	67.9	•	54.0	•	63.7	•	35.7	17.3	•	58.4
Benson Hill BH37U221	48.7	•	•	•	64.5	•	59.9	•	54.1	•	21.7	25.0	•	56.8
Benson Hill BH37U222	46.6	•	42.4	•	61.9	•	49.5	•	56.2	•	22.7	13.2	•	51.3
Benson Hill BH43Q207	51.6	•	•	•	63.8	•	58.6	•	68.4	•	33.3	26.1	•	60.6
Benson Hill BH45Q973	51.2	•	48.0	•	68.2	•	55.4	•	58.0	•	29.3	14.4	•	56.2
Benson Hill N44D923S	50.7	•	•	•	71.1	•	55.0	•	61.4	•	34.6	11.4	•	59.5
R18-14693:0004	49.8	•	63.7	•	67.6	•	57.4	•	67.2	•	43.2	•	•	61.1
R18C-1877:0017	44.8	•	42.9	•	60.5	•	58.8	•	59.8	•	31.8	21.7	•	53.3
R19C-1035	49.8	55.7	45.0	72.6	63.2	70.5	58.3	59.9	69.3	64.6	40.4	21.9	28.7	57.1
R19C-1081	43.6	53.5	49.4	65.2	61.7	70.275	60.1	62.75	71.8	67.3	41.4	13.3	24.4	57.3
R20-1870	53.7	•	59.5	•	62.4	•	61.5	•	71.2	•	40.4	17.0	•	61.6
R20-7298	50.2	•	32.5	•	67.7	•	55.7	•	58.8	•	25.0	•	•	53.0
R20C-1516	49.1	•	57.1	•	61.8	•	61.0	•	66.9	•	36.4	21.1	•	59.2
R20C-2903	47.5	•	•	•	64.1	•	61.2	•	55.0	•	31.5	10.2	•	57.0
R21C-00442	43.6	•	43.2	•	61.3	•	•	•	58.2	•	31.1	15.3	•	51.6
R21C-02207	46.0	•	54.0	•	63.8	•	65.6	•	69.7	•	37.5	11.2	•	59.8
R21C-02295	49.3	•	55.9	•	70.6	•	59.5	•	64.6	•	34.9	•	•	60.0
CT4413E3S	55.1	•	60.0	•	79.6	•	76.6	•	79.4	•	34.3	14.1	•	70.1
Innvictis B4553E	60.4	•	73.4	•	75.0	•	68.9	•	74.7	•	33.2	20.0	•	70.5
Innvictis B4574E	53.5	•	38.3	•	70.5	•	60.1	•	70.9	•	36.1	16.5	•	58.7
NK42-A6E3S	55.8	56.7	58.0	82.7	73.0	73.5	76.2	79.5	75.4	77.5	42.4	10.4	18.5	67.7
NK44-Q5E3S	57.1	59.7	69.3	84.6	84.5	82.7	76.1	73.5	76.1	74.8	40.5	17.5	22.1	72.6
R23PR-00043	50.3	•	54.4	•	75.6	•	60.0	•	71.3	•	42.0	23.3	•	62.3
Pioneer P43Z44SE	60.9	•	72.0	•	82.6	•	83.0	•	67.4	•	38.0	26.4	•	73.2
Pioneer P45Z75E	67.2	•	73.0	•	83.2	•	79.6	•	77.5	•	38.0	16.0	•	76.1
R23PR-00100	51.7	•	39.7	•	62.1	•	64.0	•	61.6	•	39.8	21.6	•	55.8
<b>Grand Mean</b>	54.5	•	56.4	•	71.3	•	65.3	•	69.2	•	37.8	17.3	•	62.7
<b>LSD</b>	3.6	•	13.9	•	6.4	•	6.1	•	8.1	•	5.3	6.8	•	3.6
<b>C.V.</b>	4.9	•	14.6	•	6.6	•	6.8	•	8.7	•	10.3	28.7	•	9.6

# 2024 Soybean Update

Table 5. 2024 Yield and 2-year Average Yield (bu/ac) of Relative Maturity 4.0-4.5 Xtend Soybean Varieties/ Experimental Lines Across Arkansas.<sup>1,2,4,5,6</sup>

Variety/Experimental Line	2024 Keiser	Keiser 2-Yr Avg	2024 Kibler	Kibler 2-Yr Avg	2024 Newport	Newport 2-Yr Avg	2024 Pine Tree	Pine Tree 2-Yr Avg	2024 Stuttgart	Stuttgart 2-Yr Avg	2024 Marianna NI	2024 Stuttgart NI	Stuttgart NI 2-Yr Avg	Irrig Avg
bu./ac														
Asgrow 42XF4	55.6	65.7	60.7	71.8	73.8	82.79	70.1	69.91	65.2	67.5	41.5	22.2	25.8	65.1
Asgrow 44XF4	66.9	70.1	60.7	76.6	82.4	79.88	72.1	73.01	81.2	77.1	41.9	11.8	22.2	72.7
Asgrow 45XF3	51.5	•	49.1	•	69.9	•	68.2	•	70.0	•	41.2	17.0	•	61.7
Delta Grow 43XF65STS	54.4	•	43.8	•	68.7	•	63.3	•	78.3	•	42.8	13.4	•	61.7
Dyna-Gro S43XF85S	57.8	•	37.5	•	80.7	•	69.7	•	76.9	•	42.2	16.6	•	64.5
Eagle Seed ES4120XF	53.9	•	52.4	•	63.9	•	63.5	•	64.6	•	36.4	16.1	•	59.7
Innvictis A4503XF	57.9	•	65.4	•	73.7	•	58.2	•	75.4	•	39.2	17.6	•	66.1
Integra XF4454S	64.5	70.1	77.3	84.5	80.6	84.655	74.2	73.27	75.4	74.3	39.3	14.8	23.8	74.4
Integra XF4585S	62.3	•	63.3	•	74.4	•	70.4	•	75.4	•	43.1	20.1	•	69.2
NK43-W1XFS	60.5	•	65.7	•	73.7	•	74.9	•	75.4	•	47.6	16.5	•	70.0
NK44-J4XFS	61.5	•	75.5	•	82.9	•	70.4	•	75.4	•	38.7	17.6	•	73.1
Pioneer P45A70LX	64.0	•	64.3	•	75.7	•	67.0	•	72.0	•	41.7	16.5	•	68.6
Progeny P4524XFS	62.8	•	62.4	•	74.9	•	70.8	•	72.7	•	48.0	17.7	•	68.7
Revere 44-F44	60.9	•	69.6	•	79.4	•	70.2	•	75.2	•	48.6	16.9	•	71.1
USG 7435XFS	57.4	•	55.7	•	82.6	•	73.8	•	74.0	•	43.1	18.5	•	68.7
<b>Grand Mean</b>	54.5	•	56.4	•	71.3	•	65.3	•	69.2	•	37.8	17.3	•	62.7
<b>LSD</b>	3.6	•	13.9	•	6.4	•	6.1	•	8.1	•	5.3	6.8	•	3.6
<b>C.V.</b>	4.9	•	14.6	•	6.6	•	6.8	•	8.7	•	10.3	28.7	•	9.6

Table 6. 2024 Yield and 2-Year Average Yield (bu/ac) of Relative Maturity 4.6-4.9 Non-Xtend Soybean Varieties/Experimental Lines Across Arkansas.<sup>1,2,5,6</sup>

Variety/Experimental Line	2024 Keiser	Keiser 2-Yr Avg	2024 Kibler	Kibler 2-Yr Avg	2024 Newport	Newport 2-Yr Avg	2024 Pine Tree	Pine Tree 2-Yr Avg	2024 Stuttgart	Stuttgart 2-Yr Avg	2024 Marianna NI	2024 Stuttgart NI	Stuttgart NI 2-Yr Avg	Irrig Avg
bu./ac														
R19C-1001	43.8	50.8	•	•	48.1	59.3	67.8	68.6	68.0	67.2	41.2	20.2	30.4	53.8
R20C-1493	47.5	•	•	•	55.8	•	65.0	•	72.5	•	38.8	24.2	•	55.9
R21C-02232	50.5	•	•	•	49.8	•	63.7	•	72.4	•	40.2	13.4	•	55.3
R21C-02922	41.8	•	•	•	55.0	•	54.6	•	68.6	•	33.0	14.5	•	50.6
AE4950	50.7	•	•	•	56.8	•	70.8	•	75.0	•	42.1	14.3	•	59.1
Delta Grow 46XF54STS	41.8	55.8	•	•	59.0	70.0	68.3	70.2	65.6	66.6	31.9	9.2	24.2	53.3
Delta Grow 48XF33STS	52.9	61.9	•	•	55.6	66.8	66.0	69.6	76.7	75.8	36.2	15.2	23.8	57.5
Innvictis B4904E	55.1	•	•	•	64.7	•	77.5	•	74.4	•	45.1	16.0	•	63.4
NK47-G5E3S	53.8	•	•	•	56.4	•	77.6	•	82.0	•	43.4	20.1	•	62.6
Pioneer P46Z53E	54.9	•	•	•	61.6	•	81.2	•	76.1	•	34.7	17.9	•	61.7
Pioneer P48A14E	54.5	•	•	•	52.9	•	76.7	•	80.2	•	41.8	19.4	•	61.2
Progeny P4634E3	58.3	•	•	•	55.3	•	75.9	•	74.6	•	36.7	16.7	•	60.2
Progeny P4775E3S	40.6	48.9	•	•	40.7	54.0	60.4	60.3	72.0	72.5	40.0	24.5	31.3	50.8
Progeny P4999E3S	50.4	52.9	•	•	54.6	67.2	74.0	69.6	78.0	79.8	39.6	24.7	33.1	59.3
R23PR-00037	50.7	•	•	•	52.4	•	67.8	•	74.2	•	42.0	23.1	•	57.4
R23PR-00068	43.4	•	•	•	52.9	•	62.9	•	68.5	•	37.2	17.9	•	53.0
R23PR-00089	52.0	•	•	•	48.6	•	66.9	•	66.4	•	43.8	14.7	•	55.5
Revere 46-E67	58.7	•	•	•	64.1	•	74.7	•	74.6	•	40.8	12.8	•	62.6
Pioneer P49Z02E	59.2	•	•	•	65.4	•	83.8	•	82.1	•	35.8	18.7	•	65.2
<b>Grand Mean</b>	54.0	•	•	•	58.4	•	73.1	•	76.9	•	44.4	18.1	•	65.6
<b>LSD</b>	6.1	•	•	•	10.5	•	5.5	•	7.2	•	5.7	3.7	•	3.8
<b>C.V.</b>	8.4	•	•	•	13.3	•	5.6	•	7.0	•	9.5	15.0	•	8.5



# 2024 Soybean Update

Table 7. 2024 Yield and 2-Year Average Yield (bu/ac) of Relative Maturity 4.6-4.9 Xtend Soybean Varieties/Experimental Lines Across Arkansas.<sup>1,3,4,5,6</sup>

Variety/Experimental Line	2024 Keiser	Keiser 2-Yr Avg	2024 Kibler	Kibler 2-Yr Avg	2024 Newport	Newport 2-Yr Avg	2024 Pine Tree	Pine Tree 2-Yr Avg	2024 Stuttgart	Stuttgart 2-Yr Avg	2024 Marianna NI	2024 Stuttgart NI	Stuttgart NI 2-Yr Avg	Irrig Avg
	bu./ac													
Armor 46-F35S	47.8	•	•	•	52.1	•	69.2	•	69.7	•	38.5	19.7	•	55.4
Armor 49-F05	64.6	•	•	•	59.3	•	76.2	•	78.3	•	50.2	19.0	•	65.7
Asgrow 46XF3	53.0	59.7	•	•	60.0	70.2	70.6	70.9	77.1	76.4	41.4	22.8	29.7	60.4
Asgrow 47XF2	61.3	•	•	•	52.6	•	77.4	•	79.9	•	51.3	14.3	•	64.5
Asgrow 48XF3	60.8	65.0	•	•	45.6	61.0	70.4	71.0	77.3	78.4	44.5	19.7	28.3	59.7
Asgrow 49XF4	64.8	•	•	•	60.3	•	77.8	•	71.6	•	47.7	9.7	•	64.4
Axis 4625XFS	49.9	•	•	•	54.8	•	74.9	•	80.4	•	42.1	23.1	•	60.4
Axis 4815XFS	54.8	•	•	•	52.5	•	75.3	•	81.6	•	51.9	24.0	•	63.2
Delta Grow 46E10	57.6	•	•	•	61.1	•	74.0	•	76.6	•	43.3	23.1	•	62.5
Delta Grow 47E70STS	49.1	•	•	•	57.7	•	71.8	•	73.1	•	43.6	8.4	•	59.1
Delta Grow 47XF90STS	55.2	•	•	•	64.6	•	67.6	•	74.8	•	40.2	14.8	•	60.5
Delta Grow 48XF70STS	49.8	•	•	•	52.8	•	72.7	•	74.5	•	51.0	23.9	•	60.2
Delta Grow 48XF80	56.1	•	•	•	50.4	•	76.1	•	77.5	•	46.0	12.9	•	61.2
Delta Grow 49XF85STS	63.2	69.7	•	•	53.8	63.4	77.6	76.4	78.5	78.9	50.1	17.0	25.2	64.6
DONMARIO DM46F54S	48.7	•	•	•	56.7	•	75.3	•	71.6	•	46.4	17.1	•	59.7
DONMARIO DM47F44S	55.1	•	•	•	55.9	•	76.1	•	83.5	•	48.7	16.6	•	63.9
DONMARIO DM48F53	59.6	66.9	•	•	71.9	75.1	78.2	74.9	82.4	78.5	49.4	20.0	31.0	68.3
Dyna-Gro S47XF23S	52.3	61.0	•	•	58.8	66.2	74.2	74.1	81.7	79.0	46.1	17.6	26.2	62.6
Dyna-Gro S48XF35	59.5	•	•	•	73.5	•	75.4	•	78.9	•	47.6	18.9	•	67.0
Dyna-Gro S49XF43S	57.5	68.7	•	•	66.5	71.5	83.0	80.0	79.9	80.6	52.2	18.5	28.6	67.8
Eagle Seed ES4611XF	56.1	•	•	•	61.2	•	70.5	•	82.3	•	41.7	17.1	•	62.4
Innvictis A4642XF	44.5	•	•	•	49.8	•	70.5	•	76.2	•	41.9	14.4	•	56.6
Innvictis A4664XF	60.0	•	•	•	75.8	•	75.4	•	74.4	•	47.6	19.6	•	66.6
Innvictis A4814XF	57.5	•	•	•	76.7	•	75.1	•	69.6	•	52.1	11.4	•	66.2
Innvictis A4862XF	61.3	•	•	•	69.9	•	84.6	•	85.2	•	46.8	14.7	•	69.6
Innvictis A4924XF	53.6	•	•	•	54.9	•	77.0	•	77.4	•	44.4	18.8	•	61.4
Integra XF4634S	57.4	66.0	•	•	57.0	67.5	62.6	68.6	73.2	72.5	44.3	25.9	34.0	58.9
Integra XF4745S	51.1	•	•	•	69.1	•	69.5	•	78.8	•	47.5	21.6	•	63.2
Integra XF4875S	56.1	•	•	•	52.4	•	76.9	•	83.4	•	51.9	19.5	•	64.1
Integra XF4893S	55.5	66.1	•	•	57.2	66.4	74.4	72.5	76.1	75.6	47.2	20.5	27.6	62.1
Integra XF4914S	57.4	67.9	•	•	54.1	63.2	76.7	75.7	83.4	81.5	54.4	19.6	26.6	65.2
NK48-A8XFS	48.0	59.3	•	•	53.9	66.1	70.9	70.3	74.4	75.3	41.5	12.8	25.3	57.7
NK49-C2XFS	54.4	64.8	•	•	63.7	70.4	71.1	71.8	77.1	80.0	43.6	16.7	26.2	61.9
NK49-N7XF	61.6	•	•	•	61.3	•	76.5	•	79.7	•	47.1	15.4	•	65.2
Pioneer P46A90LX	58.1	67.3	•	•	74.3	72.8	77.0	74.2	79.1	78.5	49.2	17.5	26.9	67.5
Pioneer P48Z70BLX	57.5	•	•	•	58.7	•	75.8	•	80.0	•	44.8	18.7	•	63.4
Progeny P4604XFS	47.8	59.9	•	•	52.4	63.6	72.9	71.9	79.4	77.6	47.1	17.9	28.0	59.9
Progeny P4623XF	49.2	63.4	•	•	63.3	72.9	77.2	75.2	85.4	81.0	44.6	14.4	26.0	63.9
Progeny P4691XFS	46.3	59.8	•	•	52.5	66.5	69.9	70.4	72.4	72.4	46.6	14.5	23.9	57.5
Progeny P4724XFS	54.9	•	•	•	64.8	•	66.0	•	76.5	•	41.2	21.2	•	60.7
Progeny P4734XFS	56.9	•	•	•	66.7	•	78.1	•	73.4	•	46.0	20.6	•	64.2
Progeny P4798XF	58.5	64.0	•	•	60.3	68.2	69.5	68.4	81.5	79.8	43.4	23.7	30.5	62.6
Progeny P4806XFS	50.9	61.4	•	•	58.6	69.0	67.0	67.5	70.7	73.6	44.4	19.1	25.5	58.3
Progeny P4824XF	51.8	•	•	•	55.5	•	76.9	•	77.9	•	51.5	20.9	•	62.7
Progeny P4842XFS	57.0	•	•	•	59.8	•	76.2	•	77.1	•	46.3	21.2	•	63.3
Progeny P4848XF	52.3	•	•	•	57.1	•	73.4	•	76.1	•	40.3	14.2	•	59.8
Progeny P4947XFS	56.7	66.8	•	•	60.7	67.4	76.7	76.5	86.7	81.8	46.7	17.2	28.8	65.5

# 2024 Soybean Update

Table 7. 2024 Yield and 2-Year Average Yield (bu/ac) of Relative Maturity 4.6-4.9 Xtend Soybean Varieties/Experimental Lines Across Arkansas.<sup>1,3,4,5,6</sup>

Variety/Experimental Line	2024 Keiser	Keiser 2-Yr Avg	2024 Kibler	Kibler 2-Yr Avg	2024 Newport	Newport 2-Yr Avg	2024 Pine Tree	Pine Tree 2-Yr Avg	2024 Stuttgart	Stuttgart 2-Yr Avg	2024 Marianna NI	2024 Stuttgart NI	Stuttgart NI 2-Yr Avg	Irrig Avg
	bu./ac													
Revere 47-F77	53.5	•	•	•	57.1	•	77.0	•	77.4	•	47.0	21.7	•	62.4
Revere 4826XFS	53.9	62.8	•	•	58.6	67.1	69.4	69.4	78.6	77.9	45.5	20.3	29.6	61.2
Revere 48-F72	54.9	•	•	•	69.8	•	74.7	•	79.9	•	44.5	20.0	•	64.8
Revere 49-F36	62.0	•	•	•	52.8	•	77.2	•	82.8	•	49.4	23.0	•	64.8
USG 7474XFS	51.9	64.2	•	•	59.0	61.0	72.9	70.5	82.7	80.4	43.6	19.6	27.5	62.0
USG 7495XFS	55.7	55.7	•	•	54.9	•	75.9	•	76.2	•	49.0	11.1	•	62.3
<b>Grand Mean</b>	54.0	•	•	•	58.4	•	73.1	•	76.9	•	44.4	18.1	•	65.6
<b>LSD</b>	6.1	•	•	•	10.5	•	5.5	•	7.2	•	5.7	3.7	•	3.8
<b>C.V.</b>	8.4	•	•	•	13.3	•	5.6	•	7.0	•	9.5	15.0	•	8.5

Table 8. 2024 Yield and 2-Year Average Yield (bu/ac) of Relative Maturity 5.0-5.9 Xtend Soybean Varieties/Experimental Lines Across Arkansas.<sup>1,2,5,6</sup>

Variety/Experimental Line	2024 Keiser	Keiser 2-Yr Avg	2024 Kibler	Kibler 2-Yr Avg	2024 Newport	Newport 2-Yr Avg	2024 Pine Tree	Pine Tree 2-Yr Avg	2024 Stuttgart	Stuttgart 2-Yr Avg	2024 Marianna NI	2024 Stuttgart NI	Stuttgart NI 2-Yr Avg	Irrig Avg
	bu./ac													
Asgrow 52XF0	44.3	56.5	51.6	71.1	60.3	•	66.0	69.4	66.6	68.0	42.3	19.6	28.2	57.8
Asgrow 53XF2	50.2	61.3	65.7	72.9	67.1	•	70.4	69.6	67.0	68.3	45.0	18.8	24.3	64.1
Asgrow 56XF2	47.7	56.1	45.7	64.7	59.9	•	71.9	67.2	68.5	67.9	47.9	18.4	23.4	58.8
Armor 54-F34	47.7	•	40.3	•	66.8	•	65.1	•	73.1	•	47.2	28.4	•	58.6
Delta Grow 52XF90STS	51.7	•	•	•	51.7	•	71.1	•	65.2	•	49.6	11.6	•	59.9
Delta Grow 53XF95STS	50.5	61.3	61.9	73.6	56.8	•	73.5	74.8	72.4	73.6	45.4	19.7	26.3	63.0
Delta Grow 55XF23	48.7	48.3	54.9	67.5	52.2	•	72.0	62.6	67.3	65.0	45.3	22.7	26.4	59.0
Innvictis A5124XF	48.3	•	63.0	•	56.3	•	78.1	•	68.3	•	38.6	12.6	•	62.8
Innvictis A5284XF	44.9	•	60.7	•	54.0	•	80.8	•	72.8	•	46.4	21.6	•	62.6
Innvictis A5813XF	33.6	40.1	56.5	74.5	48.3	•	67.0	60.0	67.2	63.6	45.2	39.4	33.2	54.5
Innvictis A5994XF	38.0	•	52.8	•	67.8	•	69.3	•	74.9	•	45.5	27.2	•	60.6
NK54-J9XFS	46.1	•	81.1	•	61.9	•	75.9	•	74.1	•	56.2	34.3	•	67.8
NK56-Z6XFS	40.8	•	52.4	•	62.6	•	77.8	•	70.1	•	40.8	34.3	•	60.8
Pioneer P53Z60LX	54.5	•	39.6	•	60.8	•	71.7	•	79.8	•	50.7	30.1	•	61.3
Progeny P5056XFS	51.7	57.8	44.2	63.6	53.2	•	71.4	71.2	68.3	69.7	47.7	16.2	23.7	57.7
Revere 51-F31	55.2	•	66.8	•	63.3	•	75.4	•	73.5	•	45.5	20.8	•	66.8
Revere 53-F84	49.8	•	69.3	•	49.9	•	73.8	•	72.7	•	51.2	34.5	•	63.1
Revere 5735XFS	34.4	•	52.9	•	53.3	•	66.3	•	65.8	•	44.8	41.6	•	54.5
USG 7543XF	48.0	•	72.2	•	44.4	•	63.7	•	72.0	•	47.0	31.7	•	60.1
<b>Grand Mean</b>	45.6	•	51.9	•	55.9	•	68.6	•	68.4	•	44.6	24.7	•	59.3
<b>LSD</b>	4.7	•	10.6	•	12.0	•	8.1	•	7.6	•	4.7	4.7	•	3.9
<b>C.V.</b>	7.6	•	15.0	•	15.8	•	8.7	•	8.2	•	7.7	13.9	•	10.9

# 2024 Soybean Update

Table 9. 2024 Yield and 2-Year Average Yield (bu/ac) of Relative Maturity 5.0-5.9 Non-Xtend Soybean Varieties/Experimental Lines Across Arkansas.<sup>1,3,4,5,6</sup>

Variety/Experimental Line	2024 Keiser	Keiser 2-Yr Avg	2024 Kibler	Kibler 2-Yr Avg	2024 Newport	Newport 2-Yr Avg	2024 Pine Tree	Pine Tree 2-Yr Avg	2024 Stuttgart	Stuttgart 2-Yr Avg	2024 Marianna NI	2024 Stuttgart NI	Stuttgart NI 2-Yr Avg	Irrig Avg
	bu./ac													
CT5293E3	50.4	•	48.6	•	59.1	•	76.6	•	66.9	•	43.7	23.5	•	60.3
Delta Grow 52E30	39.4	•	•	•	36.7	•	55.7	•	60.6	•	39.8	17.5	•	48.1
Eagle Seed ES56E45	35.3	•	57.9	•	54.6	•	56.6	•	72.1	•	42.7	27.5	•	55.3
Innvictis B5234E	40.5	•	•	•	37.5	•	62.5	•	60.2	•	37.3	17.8	•	50.2
NK52-D6E3	52.0	57.9	63.9	75.0	69.1	•	77.6	76.1	71.3	73.7	47.6	22.0	22.4	66.8
R19-42447b	41.3	49.8	37.6	57.7	42.9	•	58.8	59.9	64.7	62.3	38.6	18.4	26.8	49.0
R19-4593	46.8	51.7	34.7	56.3	70.5	•	69.6	68.8	71.7	70.3	40.6	30.6	32.0	58.7
R19-45980	44.6	52.7	35.0	56.1	62.3	•	67.1	66.8	69.5	68.2	38.2	31.6	29.7	55.7
R19-46252	39.9	49.1	53.0	63.4	43.1	•	58.0	58.0	65.0	61.5	39.9	21.0	20.4	51.8
R21KB-03657	47.0	•	35.9	•	54.1	•	68.1	•	68.7	•	47.9	19.9	•	54.8
R21KB-05522	39.6	•	•	•	62.0	•	55.9	•	55.3	•	43.3	28.9	•	53.2
R21KB-06839	50.3	•	34.2	•	54.3	•	63.7	•	62.9	•	46.3	30.3	•	53.1
R21KB-06852	40.3	•	•	•	46.0	•	60.6	•	59.8	•	43.1	23.3	•	51.7
R23PR-00035	47.8	•	40.9	•	51.7	•	67.1	•	67.3	•	40.7	25.3	•	55.0
R23PR-00055	50.7	•	62.0	•	67.1	•	72.5	•	68.5	•	43.8	17.2	•	64.1
Grand Mean	45.6	•	51.9	•	55.9	•	68.6	•	68.4	•	44.6	24.7	•	59.3
LSD	4.7	•	10.6	•	12.0	•	8.1	•	7.6	•	4.7	4.7	•	3.9
C.V.	7.6	•	15.0	•	15.8	•	8.7	•	8.2	•	7.7	13.9	•	10.9

# 2024 Soybean Update

Table 10. Nematode, Disease, and Chloride Sensitivity for Soybean varieties in 2024 Arkansas Soybean Variety Performance Test.

Variety/Experimental Line	Relative	Herb. Tech.	Frogeye Leaf Spot <sup>9</sup>	RKN Field Rating <sup>7</sup>	Chloride Rating <sup>10</sup>
AE4950	4.9	Enlist E3	R	S	Moderate Includer
Armor 46-F35S	4.6	RR2FX	MS	S	Mixed
Armor 49-F05	4.9	RR2FX	R	S	Strong Includer
Armor 54-F34	5.4	RR2FX	S	S	Strong Excluder
Asgrow 42XF4	4.2	RR2FX	S	S	Strong Excluder
Asgrow 44XF4	4.4	RR2FX	R	S	Moderate Excluder
Asgrow 45XF3	4.5	RR2FX	S	VS	Strong Excluder
Asgrow 46XF3	4.6	RR2FX	R	S	Mixed
Asgrow 47XF2	4.7	RR2FX	S	S	Strong Includer
Asgrow 48XF3	4.8	RR2FX	R	MS	Moderate Excluder
Asgrow 49XF4	4.9	RR2FX	R	R	Strong Includer
Asgrow 52XF0	5.2	RR2FX	R	MR	Moderate Includer
Asgrow 53XF2	5.3	RR2FX	R	S	Moderate Includer
Asgrow 56XF2	5.6	RR2FX	R	MR	Strong Excluder
Axis 4625XFS	4.6	RR2FX	R	S	Moderate Excluder
Axis 4815XFS	4.8	RR2FX	R	S	Moderate Excluder
Benson Hill BH37Q218	3.7	Conv.	MR	VS	Strong Includer
Benson Hill BH37U221	3.6	Conv.	MS	VS	Strong Includer
Benson Hill BH37U222	3.7	Conv.	MS	S	Moderate Includer
Benson Hill BH43Q207	4.3	Conv.	MS	S	Strong Includer
Benson Hill BH45Q973	4.5	Conv.	MR	S	Mixed
Benson Hill N44D923S	4.4	Conv.	MR	S	Moderate Includer
CT4413E3S	4.4	Enlist E3	R	MS	Strong Includer
CT5293E3	5.2	Enlist E3	R	MR	Moderate Excluder
Delta Grow 43XF65STS	4.3	RR2FX	R	MS	Strong Excluder
Delta Grow 46E10	4.6	Enlist E3	MS	MR	Moderate Excluder
Delta Grow 46XF54STS	4.6	RR2FX	R	S	Moderate Includer
Delta Grow 47E70STS	4.7	Enlist E3	MR	R	Strong Includer
Delta Grow 47XF90STS	4.7	RR2FX	R	MS	Strong Includer
Delta Grow 48XF33STS	4.8	RR2FX	R	S	Strong Includer
Delta Grow 48XF70STS	4.8	RR2FX	R	S	Moderate Excluder
Delta Grow 48XF80	4.8	RR2FX	R	MS	Strong Includer
Delta Grow 49XF85STS	4.9	RR2FX	MS	S	Strong Includer
Delta Grow 52E30	5.2	Enlist E3	S	R	Strong Includer
Delta Grow 52XF90STS	5.2	RR2FX	R	S	Moderate Includer
Delta Grow 53XF95STS	5.3	RR2FX	MS	S	Moderate Includer
Delta Grow 55XF23	5.5	RR2FX	MR	S	Moderate Includer
DONMARIO DM46F54S	4.6	RR2FX	MS	S	Strong Includer
DONMARIO DM47F44S	4.7	RR2FX	R	S	Strong Includer
DONMARIO DM48F53	4.8	RR2FX	R	S	Strong Includer
Dyna-Gro S43XF85S	4.3	RR2FX	R	S	Strong Includer
Dyna-Gro S47XF23S	4.7	RR2FX	MS	VS	Moderate Excluder
Dyna-Gro S48XF35	4.8	RR2FX	MR	S	Strong Includer
Dyna-Gro S49XF43S	4.9	RR2FX	R	S	Strong Includer
Eagle Seed ES4120XF	4.1	RR2FX	S	S	Strong Includer
Eagle Seed ES4611XF	4.6	RR2FX	MS	MS	Moderate Includer
Eagle Seed ES56E45	5.6	RR2FX	MR	VS	Mixed
Innvictis A4503XF	4.5	RR2FX	MS	S	Strong Includer
Innvictis A4642XF	4.6	RR2FX	S	S	Moderate Includer
Innvictis A4664XF	4.6	RR2FX	R	VS	Strong Includer
Innvictis A4814XF	4.8	RR2FX	R	MS	Strong Includer
Innvictis A4862XF	4.8	RR2FX	R	VS	Strong Includer
Innvictis A4924XF	4.9	RR2FX	MS	MS	Strong Excluder
Innvictis A5124XF	5.1	RR2FX	S	MS	Moderate Includer
Innvictis A5284XF	5.2	RR2FX	MS	S	Moderate Excluder
Innvictis A5813XF	5.8	RR2FX	MS	MS	Strong Excluder
Innvictis A5994XF	5.9	RR2FX	R	S	Strong Includer
Innvictis B4553E	4.5	Enlist E3	R	MS	Strong Includer
Innvictis B4574E	4.5	Enlist E3	MR	R	Strong Includer
Innvictis B4904E	4.9	Enlist E3	R	MR	Moderate Includer
Innvictis B5234E	5.2	Enlist E3	MS	R	Moderate Includer

# 2024 Soybean Update

Table 10 (Continued). Nematode, Disease, and Chloride Sensitivity for Soybean varieties in 2024 Arkansas Soybean Variety Performance Test.

Variety/Experimental Line	Relative	Herb. Tech.	Frogeye Leaf Spot <sup>9</sup>	RKN Field Rating <sup>7</sup>	Chloride Rating <sup>10</sup>
Integra XF4585S	4.5	RR2FX	R	S	Strong Excluder
Integra XF4634S	4.6	RR2FX	R	MS	Strong Excluder
Integra XF4745S	4.7	RR2FX	MS	S	Strong Excluder
Integra XF4875S	4.8	RR2FX	R	VS	Mixed
Integra XF4893S	4.8	RR2FX	R	MS	Moderate Includer
Integra XF4914S	4.9	RR2FX	R	MS	Strong Includer
NK42-A6E3S	4.2	Enlist E3	R	MS	Strong Excluder
NK43-W1XFS	4.3	RR2FX	R	VS	Strong Excluder
NK44-J4XFS	4.4	RR2FX	MR	VS	Strong Includer
NK44-Q5E3S	4.4	Enlist E3	R	S	Strong Includer
NK47-G5E3S	4.7	Enlist E3	MS	MS	Moderate Excluder
NK48-A8XFS	4.8	RR2FX	S	S	Strong Includer
NK49-C2XFS	4.9	RR2FX	S	S	Moderate Includer
NK49-N7XF	4.9	RR2FX	R	VS	Moderate Excluder
NK52-D6E3	5.2	Enlist E3	R	MS	Mixed
NK54-J9XFS	5.4	RR2FX	R	S	Mixed
NK56-Z6XFS	5.6	RR2FX	S	MR	Strong Includer
P23PR-00043	4.4	Enlist E3	MS	MR	Moderate Excluder
Pioneer P43Z44SE	4.3	RR2FX	MR	VS	Strong Excluder
Pioneer P45A70LX	4.5	Enlist E3	R	S	Strong Excluder
Pioneer P45Z75E	4.5	RR2FX	R	S	Strong Excluder
Pioneer P46A90LX	4.6	Enlist E3	MS	R	Strong Excluder
Pioneer P46Z53E	4.6	Enlist E3	R	VS	Strong Includer
Pioneer P48A14E	4.8	RR2FX	MR	S	Mixed
Pioneer P48Z70BLX	4.8	Enlist E3	MS	S	Strong Excluder
Pioneer P49Z02E	4.9	RR2FX	R	R	Moderate Includer
Pioneer P53Z60LX	5.3	RR2FX	R	S	Strong Excluder
Progeny P4524XFS	4.5	RR2FX	MS	MS	Strong Excluder
Progeny P4604XFS	4.6	RR2FX	MS	S	Strong Includer
Progeny P4623XF	4.6	Enlist E3	R	MR	Moderate Includer
Progeny P4634E3	4.6	RR2FX	MS	S	Strong Excluder
Progeny P4691XFS	4.6	RR2FX	R	R	Moderate Excluder
Progeny P4724XFS	4.7	RR2FX	R	MS	Moderate Includer
Progeny P4734XFS	4.7	Enlist E3	MS	S	Strong Includer
Progeny P4775E3S	4.7	RR2FX	MS	S	Strong Excluder
Progeny P4798XF	4.7	RR2FX	S	MS	Mixed
Progeny P4806XFS	4.8	RR2FX	MS	VS	Strong Includer
Progeny P4824XF	4.8	RR2FX	MR	S	Moderate Excluder
Progeny P4842XFS	4.8	RR2FX	MS	VS	Strong Excluder
Progeny P4848XF	4.8	RR2FX	R	VS	Strong Excluder
Progeny P4947XFS	4.9	Enlist E3	MS	VS	Moderate Excluder
Progeny P4999E3S	4.9	RR2FX	MS	MS	Moderate Includer
Progeny P5056XFS	5	Conv.	R	VS	Moderate Includer
R18-14693:0004	4.5	Conv.	S	VS	Mixed
R18C-1877:0017	4.2	Conv.	R	VS	Strong Excluder
R19-42447b	5.3	Conv.	R	VS	Moderate Includer
R19-4593	5.3	Conv.	R	MR	Strong Excluder
R19-45980	5.4	Conv.	MS	MS	Moderate Excluder
R19-46252	5.4	Conv.	.	.	Moderate Excluder
R19C-1001	4.9	Conv.	R	MR	Strong Includer
R19C-1035	4.5	Conv.	R	S	Moderate Excluder
R19C-1081	4.3	Conv.	R	VS	Moderate Excluder
R20-1870	4.3	Conv.	MR	VS	Moderate Excluder
R20-7298	3.8	Conv.	R	S	Strong Includer
R20C-1493	4.6	Conv.	MS	VS	Strong Includer
R20C-1516	4.5	Conv.	S	S	Moderate Includer
R20C-2903	4.3	Conv.	S	S	Strong Includer
R21C-00442	4.1	Conv.	MS	S	Strong Includer
R21C-02207	4.5	Conv.	R	S	Strong Includer
R21C-02232	4.6	Conv.	R	VS	Strong Includer
R21C-02295	4.1	Conv.	MR	MS	Mixed
R21C-02922	4.7	Conv.	R	MS	Strong Includer

# 2024 Soybean Update

Table 10 (Continued). Nematode, Disease, and Chloride Sensitivity for Soybean varieties in 2024 Arkansas Soybean Variety Performance Test.

Variety/Experimental Line	Relative	Herb. Tech.	Frogeye Leaf Spot <sup>9</sup>	RKN Field Rating <sup>7</sup>	Chloride Rating <sup>10</sup>
R21KB-03657	5	Conv.	R	MS	Strong Includer
R21KB-05522	5.3	Conv.	R	VS	Strong Excluder
R21KB-06839	5.2	Conv.	R	MR	Mixed
R21KB-06852	5.5	Enlist E3	MS	S	Strong Excluder
R23PR-00035	5.3	Enlist E3	MS	S	Mixed
R23PR-00037	4.9	Enlist E3	MS	S	Strong Includer
R23PR-00055	5.1	Enlist E3	MS	MS	Mixed
R23PR-00068	4.9	Enlist E3	MS	MS	Strong Includer
R23PR-00089	4.8	Enlist E3	MR	MS	Strong Includer
R23PR-00100	3.9	Enlist E3	MS	MS	Moderate Excluder
Revere 46-E67	4.6	Enlist E3	R	S	Moderate Includer
Revere 47-F77	4.7	RR2FX	MS	MS	Moderate Excluder
Revere 4826XFS	4.8	RR2FX	MS	VS	Strong Excluder
Revere 48-F72	4.8	RR2FX	R	S	Strong Includer
Revere 49-F36	4.9	RR2FX	R	VS	Strong Excluder
Revere 51-F31	5.1	RR2FX	R	VS	Moderate Includer
Revere 53-F84	5.3	RR2FX	R	S	Mixed
Revere 5735XFS	5.7	RR2FX	S	R	Strong Excluder
USG 7435XFS	4.3	RR2FX	R	VS	Strong Includer
USG 7474XFS	4.7	RR2FX	MS	S	Moderate Includer
USG 7495XFS	4.9	RR2FX	R	S	Strong Includer
USG 7543XF	5.4	RR2FX	R	S	Mixed

# 2024 Soybean Update

Table 11. Agronomic Characteristics for Soybean Varieties/Experimental Lines in 2024 Arkansas Soybean Variety Performance Tests.

Variety/Experimental	Herb. Tech. <sup>11</sup>	Relative	STS	Metribuzin Sensitivity <sup>12</sup>	Permit Plus Sensitivity	Flower Color	Pubescence	Hilum Color	Growth Habit <sup>13</sup>	Days to Maturity <sup>14</sup>	Lodging Score <sup>15</sup>	Plant Height <sup>16</sup>
AE4950	Enlist E3	4.9	No	Slight	Severe	P	G	IB	IND	•	7	38
Armor 46-F35S	RR2FX	4.6	Yes	Moderate	Mixed	W	LTW	BL	IND	•	6	40
Armor 49-F05	RR2FX	4.9	No	Slight	Severe	P	LTW	BL	IND	•	3	42
Armor 54-F34	RR2FX	5.4	No	Severe	Severe	P	TW	BL	DET	130	3	32
Asgrow 42XF4	RR2FX	4.2	No	Slight	Tolerant	P	LT	BL	IND	116	1	37
Asgrow 44XF4	RR2FX	4.4	No	Moderate	Tolerant	P	T	BL	IND	113	2	34
Asgrow 45XF3	RR2FX	4.5	No	Moderate	Tolerant	P	LT	BL	IND	114	2	39
Asgrow 46XF3	RR2FX	4.6	No	Moderate	Tolerant	P	LT	BL	IND	•	3	39
Asgrow 47XF2	RR2FX	4.7	No	Slight	Tolerant	P	LT	BL	IND	•	3	40
Asgrow 48XF3	RR2FX	4.8	No	Slight	Tolerant	P	LT	BL	•	•	4	42
Asgrow 49XF4	RR2FX	4.9	No	Moderate	Tolerant	P	T	BL	IND	•	4	40
Asgrow 52XF0	RR2FX	5.2	No	Slight	Tolerant	W	LT	BL	IND	125	4	40
Asgrow 53XF2	RR2FX	5.3	No	Moderate	Tolerant	P	LT	BL	IND	134	2	39
Asgrow 56XF2	RR2FX	5.6	No	•	•	W	T	BL	DET	124	3	33
Axis 4625XFS	RR2FX	4.6	Yes	Slight	Tolerant	W	LT	BL	IND	•	4	44
Axis 4815XFS	RR2FX	4.8	Yes	Slight	Tolerant	P	LT	BL	IND	•	5	42
Benson Hill BH37Q218	Conv.	3.7	No	Moderate	Tolerant	P	T	BL	•	113	3	34
Benson Hill BH37U221	Conv.	3.6	No	Slight	Mixed	P	LT	BL	•	113	1	30
Benson Hill BH37U222	Conv.	3.7	No	Moderate	Tolerant	W	LT	BL	•	115	3	31
Benson Hill BH43Q207	Conv.	4.3	No	Moderate	Tolerant	W	LT	BL	•	•	2	32
Benson Hill BH45Q973	Conv.	4.5	No	Slight	Severe	P	T	BL	•	•	1	29
Benson Hill N44D923S	Conv.	4.4	Yes	Moderate	Tolerant	P	T	BL	•	•	2	35
CT4413E3S	Enlist E3	4.4	Yes	Slight	Tolerant	•	•	•	IND	113	1	32
CT5293E3	Enlist E3	5.2	Yes	Moderate	Severe	•	G	•	IND	125	7	40
Delta Grow 43XF65STS	RR2FX	4.3	Yes	Slight	Tolerant	W	LTW	BL	IND	113	6	41
Delta Grow 46E10	Enlist E3	4.6	No	Slight	Severe	W	G	BL	IND	•	3	36
Delta Grow 46XF54STS	RR2FX	4.6	Yes	Moderate	Tolerant	W	LTW	BL	IND	•	4	42
Delta Grow 47E70STS	Enlist E3	4.7	Yes	Slight	Severe	W	G	BU	IND	•	3	38
Delta Grow 47XF90STS	RR2FX	4.7	Yes	Slight	Tolerant	P	LTW	BL	IND	•	4	41
Delta Grow 48XF33STS	RR2FX	4.8	Yes	Moderate	Tolerant	P	LTW	BL	IND	•	5	43
Delta Grow 48XF70STS	RR2FX	4.8	Yes	Slight	Tolerant	P	LTW	BL	IND	•	5	41
Delta Grow 48XF80	RR2FX	4.8	No	Slight	Severe	P	LT	BL	IND	•	3	37
Delta Grow 49XF85STS	RR2FX	4.9	Yes	Moderate	Tolerant	W	G	BU	IND	•	3	37
Delta Grow 52E30	Enlist E3	5.2	No	Slight	Severe	P	G	BL	IND	•	8	43
Delta Grow 52XF90STS	RR2FX	5.2	Yes	Slight	Tolerant	P	LTW	BL	IND	•	5	40
Delta Grow 53XF95STS	RR2FX	5.3	Yes	Moderate	Tolerant	W	G	BU	SEMI	126	4	37
Delta Grow 55XF23	RR2FX	5.5	No	Slight	Tolerant	W	TW	BL	DET	125	4	37
DONMARIO DM46F54S	RR2FX	4.6	Yes	Moderate	Tolerant	P	LT	Black	IND	•	5	39
DONMARIO DM47F44S	RR2FX	4.7	Yes	Moderate	Tolerant	P	LT	BL	IND	•	3	43
DONMARIO DM48F53	RR2FX	4.8	No	Moderate	Severe	P	LT	BL	N/A	•	2	36
Dyna-Gro S43XF85S	RR2FX	4.3	Yes	Slight	Tolerant	W	LT	BL	IND	116	3	37
Dyna-Gro S47XF23S	RR2FX	4.7	Yes	Slight	Tolerant	P	LT	BL	•	•	4	40
Dyna-Gro S48XF35	RR2FX	4.8	No	Moderate	Severe	P	LT	BL	•	•	3	39
Dyna-Gro S49XF43S	RR2FX	4.9	Yes	Slight	Tolerant	W	G	BU	•	•	5	40
Eagle Seed ES4120XF	RR2FX	4.1	No	Slight	Severe	W	•	•	•	114	4	37
Eagle Seed ES4611XF	RR2FX	4.6	No	Slight	Severe	P	•	•	•	•	3	38
Eagle Seed ES56E45	RR2FX	5.6	No	Slight	Severe	•	•	•	•	•	5	41
Innvictis A4503XF	RR2FX	4.5	No	Moderate	Tolerant	W	BR	BL	IND	116	1	34
Innvictis A4642XF	RR2FX	4.6	No	Slight	Tolerant	P	G	IB	IND	•	3	42
Innvictis A4664XF	RR2FX	4.6	No	Moderate	Tolerant	P	BR	BL	IND	•	4	40
Innvictis A4814XF	RR2FX	4.8	No	Slight	Severe	P	BR	BL	IND	•	3	40
Innvictis A4862XF	RR2FX	4.8	No	Slight	Severe	W	BR	BL	IND	•	4	40
Innvictis A4924XF	RR2FX	4.9	No	Slight	Severe	P	Br	BL	IND	•	3	39
Innvictis A5124XF	RR2FX	5.1	No	Slight	Tolerant	W	BR	BL	SEMI	130	2	38
Innvictis A5284XF	RR2FX	5.2	No	Slight	Tolerant	p	T	BL	IND	130	2	40
Innvictis A5813XF	RR2FX	5.8	No	Slight	Tolerant	W	T	BL	DET	134	3	36
Innvictis A5994XF	RR2FX	5.9	No	Slight	Severe	P	T	BL	DET	125	7	35
Innvictis B4553E	Enlist E3	4.5	No	Slight	Tolerant	W	G	BU	IND	113	2	34
Innvictis B4574E	Enlist E3	4.5	No	Slight	Severe	W	BR	BR	IND	114	2	36
Innvictis B4904E	Enlist E3	4.9	•	Severe	Tolerant	W	G	BR	IND	•	2	39
Innvictis B5234E	Enlist E3	5.2	No	Moderate	Severe	P	T	IB	DET	•	7	40

# 2024 Soybean Update

**Table 11. Agronomic Characteristics for Soybean Varieties/Experimental Lines in 2024 Arkansas Soybean Variety Performance Tests.**

Variety/Experimental	Herb. Tech. <sup>11</sup>	Relative	STS	Metribuzin Sensitivity <sup>12</sup>	Permit Plus Sensitivity	Flower Color	Pubescence	Hilum Color	Growth Habit <sup>13</sup>	Days to Maturity <sup>14</sup>	Lodging Score <sup>15</sup>	Plant Height <sup>16</sup>
Integra XF4585S	RR2FX	4.5	Yes	Slight	Tolerant	P	LT	BL	IND	113	2	35
Integra XF4634S	RR2FX	4.6	Yes	Slight	Tolerant	W	LT	BL	IND	•	4	43
Integra XF4745S	RR2FX	4.7	Yes	Moderate	Tolerant	P	LT	BL	IND	•	4	41
Integra XF4875S	RR2FX	4.8	Yes	Slight	Tolerant	P	LT	BL	IND	•	5	40
Integra XF4893S	RR2FX	4.8	Yes	Moderate	Tolerant	P	LT	BL	IND	•	5	43
Integra XF4914S	RR2FX	4.9	Yes	Moderate	Tolerant	W	G	BU	IND	•	5	39
NK42-A6E3S	Enlist E3	4.2	Yes	Slight	Tolerant	W	G	BU	IND	•	3	34
NK43-W1XFS	RR2FX	4.3	Yes	Moderate	Tolerant	N/A	G	IB	IND	114	2	35
NK44-J4XFS	RR2FX	4.4	Yes	Slight	Tolerant	W	G	BU	IND	113	2	36
NK44-Q5E3S	Enlist E3	4.4	Yes	Moderate	Tolerant	W	G	BU	IND	113	2	32
NK47-G5E3S	Enlist E3	4.7	Yes	Slight	Tolerant	W	G	BU	IND	113	6	39
NK48-A8XFS	RR2FX	4.8	Yes	Slight	Tolerant	W	LTW	BR	N/A	•	4	41
NK49-C2XFS	RR2FX	4.9	Yes	Slight	Tolerant	P	LTW	BL	IND	•	2	40
NK49-N7XF	RR2FX	4.9	No	Moderate	Severe	P	LTW	BL	IND	•	3	38
NK52-D6E3	Enlist E3	5.2	No	Moderate	Severe	W	G	BU	IND	123	6	37
NK54-J9XFS	RR2FX	5.4	Yes	Moderate	Tolerant	W	T	BL	IND	122	3	41
NK56-Z6XFS	RR2FX	5.6	Yes	Slight	Tolerant	W	LTW	BL	DET	124	2	31
R23PR-00043	Enlist E3	4.4	No	Slight	Severe	P	•	•	•	115	4	36
Pioneer P43Z44SE	RR2FX	4.3	Yes	Slight	Tolerant	P	L	BL	IND	113	1	31
Pioneer P45A70LX	Enlist E3	4.5	No	Slight	Severe	W	G	BU	IND	114	1	38
Pioneer P45Z75E	RR2FX	4.5	No	Slight	Severe	W	L	BR	IND	114	1	36
Pioneer P46A90LX	Enlist E3	4.6	No	Slight	Severe	W	LT	BL	IND	•	3	41
Pioneer P46Z53E	Enlist E3	4.6	No	Moderate	Severe	P	L	BL	IND	•	2	34
Pioneer P48A14E	RR2FX	4.8	No	Moderate	Severe	P	LT	BL	IND	•	5	40
Pioneer P48Z70BLX	Enlist E3	4.8	No	Slight	Tolerant	P	LT	BL	IND	•	4	38
Pioneer P49Z02E	RR2FX	4.9	No	Slight	Severe	P	G	IB	IND	•	3	37
Pioneer P53Z60LX	RR2FX	5.3	No	Moderate	Severe	P	LT	BL	IND	128	5	35
Progeny P4524XFS	RR2FX	4.5	Yes	Moderate	Tolerant	P	LT	BL	IND	113	3	38
Progeny P4604XFS	RR2FX	4.6	Yes	Slight	Tolerant	P	LT	BL	IND	•	4	41
Progeny P4623XF	Enlist E3	4.6	No	Slight	Severe	P	LT	BL	IND	•	4	40
Progeny P4634E3	RR2FX	4.6	Yes	Moderate	Severe	W	LT	BL	IND	•	5	38
Progeny P4691XFS	RR2FX	4.6	Yes	Slight	Tolerant	P	G	IB	IND	•	5	44
Progeny P4724XFS	RR2FX	4.7	Yes	Slight	Tolerant	W	LT	BL	IND	•	5	41
Progeny P4734XFS	Enlist E3	4.7	Yes	Moderate	Tolerant	P	LT	BL	IND	•	5	41
Progeny P4775E3S	RR2FX	4.7	Yes	Slight	Tolerant	P	G	IB	IND	•	4	42
Progeny P4798XF	RR2FX	4.7	No	Slight	Severe	P	T	BL	IND	•	5	40
Progeny P4806XFS	RR2FX	4.8	Yes	Moderate	Tolerant	W	T	BL	IND	•	2	38
Progeny P4824XF	RR2FX	4.8	No	Slight	Severe	P	LT	BL	IND	•	2	42
Progeny P4842XFS	RR2FX	4.8	Yes	Slight	Tolerant	P	LT	BL	IND	•	5	42
Progeny P4848XF	RR2FX	4.8	No	Slight	Severe	P	T	BL	IND	•	3	39
Progeny P4947XFS	Enlist E3	4.9	Yes	Slight	Tolerant	P	LT	BL	IND	•	5	43
Progeny P4999E3S	RR2FX	4.9	Yes	Moderate	Tolerant	W	G	BU	IND	•	4	40
Progeny P5056XFS	Conv.	5	Yes	Moderate	Tolerant	P	LT	BL	IND	120	5	41
R18-14693:0004	Conv.	4.5	No	Slight	Tolerant	W	G	BL	IND	116	6	41
R18C-1877:0017	Conv.	4.2	No	Slight	Severe	W	G	BL	IND	113	3	39
R19-42447b	Conv.	5.3	No	•	•	P	LT	BL	IND	125	6	44
R19-4593	Conv.	5.3	No	Slight	Severe	W	G	BU	IND	127	4	30
R19-45980	Conv.	5.4	No	•	•	W	G	BU	IND	130	3	32
R19-46252	Conv.	5.4	No	Slight	Severe	P	G	IB	IND	118	6	34
R19C-1001	Conv.	4.9	No	Slight	Severe	P	G	BL	IND	117	6	43
R19C-1035	Conv.	4.5	No	Slight	Tolerant	W	G	IB	IND	116	6	39
R19C-1081	Conv.	4.3	No	Moderate	Tolerant	W	G	IB	IND	113	5	39
R20-1870	Conv.	4.3	No	Slight	Severe	P	G	BL	IND	•	5	38
R20-7298	Conv.	3.8	No	Slight	Severe	P	•	•	•	•	3	35
R20C-1493	Conv.	4.6	No	Slight	Tolerant	P	LT	BL	IND	114	3	35
R20C-1516	Conv.	4.5	No	Slight	Tolerant	P	G	BL	IND	•	2	32
R20C-2903	Conv.	4.3	No	Moderate	Tolerant	P	G	BL	IND	•	3	34
R21C-00442	Conv.	4.1	No	Slight	Tolerant	P	LT	BL	IND	113	5	34
R21C-02207	Conv.	4.5	No	Slight	Tolerant	S	G	S	IND	119	3	34
R21C-02232	Conv.	4.6	No	Slight	Severe	P	S	S	IND	•	4	40
R21C-02295	Conv.	4.1	No	Slight	Severe	P	T	BL	IND	114	4	38
R21C-02922	Conv.	4.7	No	Slight	Severe	P	LT	BL	IND	•	7	39



# 2024 Soybean Update

Table 11. Agronomic Characteristics for Soybean Varieties/Experimental Lines in 2024 Arkansas Soybean Variety Performance Tests.

Variety/Experimental	Herb. Tech. <sup>11</sup>	Relative	STS	Metribuzin Sensitivity <sup>12</sup>	Permit Plus Sensitivity	Flower Color	Pubescence	Hilum Color	Growth Habit <sup>13</sup>	Days to Maturity <sup>14</sup>	Lodging Score <sup>15</sup>	Plant Height <sup>16</sup>
R21KB-05522	Conv.	5.3	No	Slight	Severe	P	T	BL	IND	•	5	33
R21KB-06839	Conv.	5.2	No	Slight	Severe	W	G	BU	IND	125	5	35
R21KB-06852	Enlist E3	5.5	No	Moderate	Severe	W	G	BU	IND	•	6	34
R23PR-00035	Enlist E3	5.3	No	Moderate	Severe	P	G	IB	IND	124	6	42
R23PR-00037	Enlist E3	4.9	No	Slight	Severe	P	G	IB	IND	•	4	42
R23PR-00055	Enlist E3	5.1	No	•	•	P	G	IB	IND	120	4	38
R23PR-00068	Enlist E3	4.9	No	Slight	Severe	P	G	IB	IND	•	5	44
R23PR-00089	Enlist E3	4.8	No	Slight	Tolerant	P	G	IB	IND	•	7	38
R23PR-00100	Enlist E3	3.9	No	Moderate	Tolerant	P	G	IB	IND	115	5	40
Revere 44-F44	RR2FX	4.4	No	Slight	Tolerant	P	LT	•	IND	113	2	38
Revere 46-E67	Enlist E3	4.6	No	Slight	Severe	W	LT	•	IND	•	5	37
Revere 47-F77	RR2FX	4.7	•	Moderate	Tolerant	P	TN	•	IND	•	5	44
Revere 4826XFS	RR2FX	4.8	Yes	Slight	Tolerant	P	LT	•	IND	•	3	39
Revere 48-F72	RR2FX	4.8	No	Slight	Severe	P	LT	•	IND	•	4	35
Revere 49-F36	RR2FX	4.9	No	Slight	Tolerant	P	LT	•	IND	•	4	40
Revere 51-F31	RR2FX	5.1	No	Moderate	Severe	P	LT	•	IND	132	4	37
Revere 53-F84	RR2FX	5.3	No	Slight	Tolerant	W	T	•	SEMI	131	5	42
Revere 5735XFS	RR2FX	5.7	Yes	Slight	Tolerant	W	T	•	DET	126	2	35
USG 7435XFS	RR2FX	4.3	Yes	Slight	Tolerant	W	LT	BL	IND	114	2	37
USG 7474XFS	RR2FX	4.7	Yes	Slight	Tolerant	P	LT	BL	IND	•	4	38
USG 7495XFS	RR2FX	4.9	Yes	Slight	Tolerant	P	LT	BL	IND	•	5	44
USG 7543XF	RR2FX	5.4	No	Slight	Severe	P	G	IB	IND	•	5	44

## Key Codes for All Tables

“ • ” Information Not Available

<sup>1</sup>LMCRS = Lon Mann Cotton Research Station, Marianna, AR  
NEC = Newport Extension Center, Newport, AR  
NREC = Northeast Research and Extension Center, Keiser, AR  
NRECG= Northeast Research and Extension Center, Greenfield, AR  
PTRS = Pine Tree Research Station, Colt, AR  
RREC = Rice Research and Extension Center, Stuttgart, AR  
RRS = Rohwer Research Station, Rohwer AR  
VRS = Vegetable Research Station, Kibler, AR

<sup>2</sup> ANOVA of Non-Xtend varieties (Conv., RR1, and Enlist E3)

<sup>3</sup> ANOVA of Xtend varieties (Xtend and XtendFlex)

<sup>4</sup> Soybean varieties with Xtend/XtendFlex technologies were tested separately from varieties with all other herbicide technologies.

<sup>5</sup> Average Yield from 2023 and 2024.

<sup>6</sup> Yield mean (bu/ac) from Keiser, Kibler, Marianna, Newport, Pine Tree, and Stuttgart Full-Season irrigated tests.

<sup>7</sup> By using the greatest level of disease reported over the years tested, a standardized designation system for all disease and nematode screenings is as follows: **HR = Highly Resistant, R = Resistant, MR = Moderately Resistant, MS = Moderately Susceptible, S = Susceptible, VS = Very Susceptible**

<sup>8</sup> Evaluation of soybean cultivars for reaction to root-knot nematode was conducted in a field test. Nematode population density ranged from moderate to severe in the field. Field trials were conducted in a commercial production field near Kerr, AR. Field ratings were assessed at R5 growth stage based on the percentage root system galled whereas 0-1.0 = VR, 1.1-4.0 = R, 4.1-9.0 = MR, 9.1-20.0 = MS, 20.1-40.0 = S, 40.1-100 = VS.

<sup>9</sup> Frogeye Leaf Spot values represent a visual estimate of the disease severity. Frogeye leaf spot field trials were conducted in a grower's field near Kerr, AR.

<sup>10</sup> Chloride Reaction – Excluder varieties accumulate chloride and restrict it to the roots. Includer varieties accumulate chloride throughout the plants. Trifoliolate-leaf samples were collected from each soybean variety at the Rohwer Research Station in 2023. Based on leaf-CL concentrations, varieties were rated as Strong Excluder, Moderate Excluder, Mixed, Moderate Includer, and Strong Includer. Chloride levels should be determined by irrigation water tests and/or plant tissue analysis.

<sup>11</sup> Herbicide Technologies: Conv. = Conventional; RR1= RoundUp Ready; RR2X = RoundUp Ready 2 Xtend; and RR2XF = RoundUp Ready 2 XtendFlex.

<sup>12</sup> Metribuzin Ratings - Slight = Some symptoms observed in the green house but unlikely to injure soybean plants in the field at a 1X rate if applied to the correct soil texture at the appropriate soil pH. It is recommended that these soybean varieties be planted if metribuzin is intended to be applied. Moderate = Likely to observe some injury in the field, even when applying a premix product that contains a lower rate of metribuzin. Severe = Do not spray any formulation or rate of metribuzin if these varieties are planted as severe injury and yield loss would be expected.

<sup>13</sup> Soybean growth habit; Ind = Indeterminate; Det = Determinate; Std = Semi-determinate.

<sup>14</sup> Days to Maturity represent the average number of days (Rohwer Irrigated) from planting until 80% of the soybeans in the plot were thought to be mature.

## 2024 Soybean Update

<sup>15</sup> Soybean lodging is an average of data from the Keiser Irrigated, Kibler Irrigated, Marianna Irrigated, Newport Irrigated, Pine Tree Irrigated, Rohwer Irrigated, and Stuttgart Irrigated Tests and is reported using the following criteria: 1 = 10° angle; 2 = 11–20° angle; 3 = 21–30° angle; 4 = 31–40° angle; 5 = 41–50° angle; 6 = 51–60° angle; 7 = 61–70° angle; 8 = 71–80° angle; 9 = 81–90° angle.

<sup>16</sup> Soybean plant height reported in inches and is an average of data from the Keiser Irrigated, Pine Tree Irrigated, Rohwer Irrigated, and Stuttgart Irrigated Tests.