

The Georgia Agricultural Experiment Stations

College of Agricultural and Environmental Sciences

University of Georgia Griffin Campus

Annual Publication 103-15

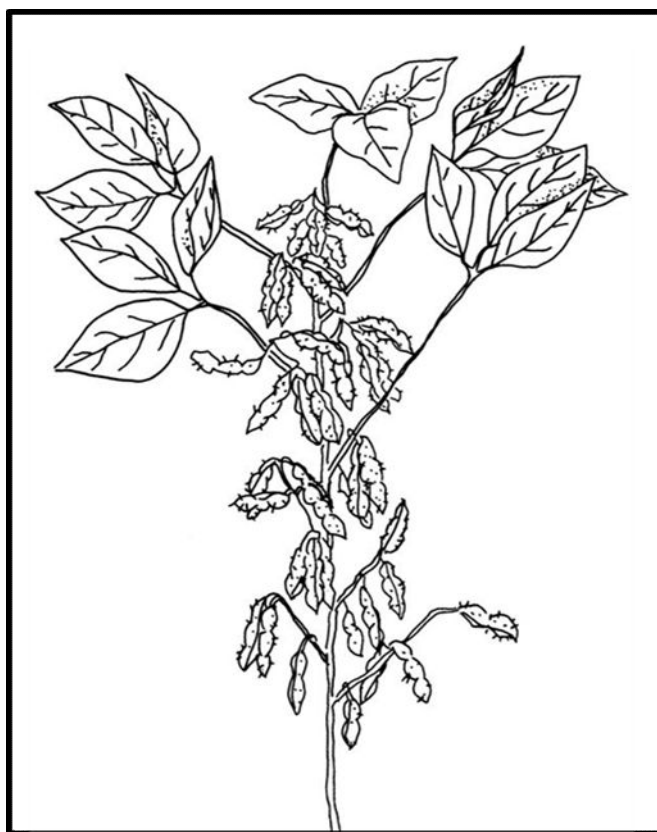
December 2023

Georgia

2023 Soybean

Performance Tests

D. Mailhot, D. Dunn, G. Ware,
and M. Mitchum, *Authors*



ACKNOWLEDGMENT

This work is supported by NIA grant no. GEO00824/project accession no. 1011690 from the USDA National Institute of Food and Agriculture. Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Agriculture.

Nick Place

Dean and Director

Harshavardhan Thippareddi

Associate Dean for Research

Michael Toews

Assistant Dean

Southern Region

Robert N. Stougaard

Assistant Dean of Research



Jeffrey F.D. Dean

*Assistant Provost and
Griffin Campus Director*

Georgia 2023 Soybean Performance Tests

CONTENTS

Maturity Group IV (Or Indeterminate Growth Habits)

Statewide Yield Summary: MG IV Soybean Variety Performance, 2023	4
Rome, Georgia: MG IV Soybean Variety Performance, 2023, Irrigated	5
Griffin, Georgia: MG IV Soybean Variety Performance, 2023, Irrigated	6
Tifton, Georgia: MG IV Soybean Variety Performance, 2023, Irrigated	7

Maturity Groups V-VIII

Statewide Yield Summary: MG V-VIII Soybean Variety Performance, 2023	8
Rome, Georgia: MG V Soybean Variety Performance, 2023, Irrigated	11
Athens, Georgia: MG V Soybean Variety Performance, 2023, Irrigated	12
Athens, Georgia: MG VI Soybean Variety Performance, 2023, Irrigated	13
Athens, Georgia: MG VII-VIII Soybean Variety Performance, 2023, Irrigated	14
Griffin, Georgia: MG V Soybean Variety Performance, 2023, Irrigated	15
Griffin, Georgia: MG VI Soybean Variety Performance, 2023, Irrigated	16
Griffin, Georgia: MG VII-VIII Soybean Variety Performance, 2023, Irrigated	17
Midville, Georgia: MG V Soybean Variety Performance, 2023, Irrigated, Early May planted	18
Midville, Georgia: MG V Soybean Variety Performance, 2023, Irrigated, Late May planted	19
Midville, Georgia: MG VI Soybean Variety Performance, 2023, Irrigated, Early May planted	20
Midville, Georgia: MG VI Soybean Variety Performance, 2023, Irrigated, Late May planted	21
Midville, Georgia: MG VII-VIII Soybean Variety Performance, 2023, Irrigated, Early May planted	22
Midville, Georgia: MG VII-VIII Soybean Variety Performance, 2023, Irrigated, Late May planted	23
Plains, Georgia: MG V Soybean Variety Performance, 2023, Irrigated	24
Plains, Georgia: MG VI Soybean Variety Performance, 2023, Irrigated	25
Plains, Georgia: MG VII-VIII Soybean Variety Performance, 2023, Irrigated	26
Plains, Georgia: MG VII-VIII Soybean Variety Performance, 2023, Irrigated, June-planted	27
Tifton, Georgia: MG V Soybean Variety Performance, 2023, Irrigated	28
Tifton, Georgia: MG VI Soybean Variety Performance, 2023, Irrigated	29
Tifton, Georgia: MG VII-VIII Soybean Variety Performance, 2023, Irrigated	30

Ultra-Late Production System (All Maturity Groups)

Attapulgus, Georgia: Ultra-Late Planted Soybean Variety Performance, 2023, Irrigated	31
--	----

Nematode Resistance

Greenhouse Evaluation of Resistance to Four Nematode Species, 2023	33
--	----

Cooperators, Contributors and Authors	35
--	-----------

Note: Highlighted items will be added to document as results become available.

Statewide Yield Summary: MG IV Soybean Variety Performance, 2023

Company or Brand Name	Variety	Maturity	Rome	Griffin	Tifton	Statewide Average
			----- bu/acre -----			
Progeny	P 5056XFS	5.0	52.1	83.0	47.9	61.0
Progeny	P 4798XF	4.7	52.6	80.9	48.3	60.6
Revere	4826XFS	4.8	42.1	89.8	36.9	56.3
Progeny	P 4604XFS	4.6	43.2	79.9	43.3	55.5
Pioneer	P48A14E	4.8	37.9	79.6	50.8	56.1
Asgrow	AG47XF4	4.7	40.2	76.3	43.7	53.4
Progeny	P 4806XFS	4.8	48.5	83.0	38.8	56.8
Innqvictis	A4862XF	4.8	49.5	62.1	39.5	50.4
Asgrow	AG42XF4	4.2	25.9	92.1	32.1	50.0
INTEGRA	54660NS	4.6	35.8	71.6	34.1	47.1
Progeny	P 4691XFS	4.6	43.6	48.9	37.3	43.3
Asgrow	AG40XF4	4.0	37.6	63.3	26.9	42.6
Asgrow	AG44XF4	4.4	34.9	63.6	34.8	44.4
Revere	5029XF	5.0	44.7	79.0	.	.
Average			42.1	75.2	39.2	52.1
LSD at 10% Level			8.4	11.4	4.7	NS
Model R-square			0.67	0.82	0.83	0.12
C.V.			18.68	13.67	11.13	63.17

Planted: 6/1 6/9 4/27
Harvested: 10/18 11/8 10/4

Notes:

Rome and Griffin were planted outside of the normal April planting window for MG 4 soybeans. This is not a recommended practice, and the higher yields are most likely due to favorable weather conditions encountered in many of the testing environments this year.

We continue to observe larger differences across environments in varietal performance in maturity group 4 than in groups 5-7. Focusing on results from the location most similar to your own is probably the best strategy for choosing a variety from this group.

Rome, Georgia: MG IV Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	MG	Yield	Maturity ¹	Plant Height	Lodg. ¹	Seed Size	Seed Quality ²
		-----bu/acre--		date	in	rating	no./lb	rating
Progeny	P 4798XF	4.7	52.6	09/25	29	1.0	.	.
Progeny	P 5056XFS	5.0	52.1	09/13	33	1.0	.	.
Innvictis	A4862XF	4.8	49.5	09/14	29	1.0	.	.
Progeny	P 4806XFS	4.8	48.5	09/23	28	1.0	.	.
Revere	5029XF	5.0	44.7	09/13	30	1.0	.	.
Progeny	P 4691XFS	4.6	43.6	09/13	26	1.0	.	.
Progeny	P 4604XFS	4.6	43.2	09/12	30	1.0	.	.
Revere	4826XFS	4.8	42.1	09/13	30	1.0	.	.
Asgrow	AG47XF4	4.7	40.2	09/14	28	1.0	.	.
Pioneer	P48A14E	4.8	37.9	09/13	28	1.0	.	.
Asgrow	AG40XF4	4.0	37.6	09/13	27	1.0	.	.
INTEGRA	54660NS	4.6	35.8	09/13	27	1.0	.	.
Asgrow	AG44XF4	4.4	34.9	09/24	24	1.0	.	.
Asgrow	AG42XF4	4.2	25.9	09/11	25	1.0	.	.
Average			42.1	09/15	28	1.0	-	-
LSD at 10% Level			8.4	2.2	NS	NS	-	-
Model R-square			0.67	0.89	0.57	-	-	-
C.V.			18.7	0.0	12.1	-	-	-

1. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).

2. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: June 1, 2023.
Harvested: October 18, 2023.
Seeding Rate: 140,000 seeds per acre in 30" rows.
Soil Type: Wax loam.
Soil Test: 100 lb P₂O₅, 408 lb K₂O/acre, and pH = 5.9.
Preplant Fertilizer: 0 lb P₂O₅, 0 lb K₂O/acre.
Previous Crop: Corn.
Tillage: Conventional.
Herbicides: Warrant, Treflan, and Roundup.
Irrigation:

Test conducted by J. Arrington, G. Ware, M. Tucker, and T. Turnquist.

Griffin, Georgia: MG IV Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	MG	Yield	Maturity ¹	Plant Height	Lodg. ²	Seed Size	Seed Quality ³	Shattering
		-----bu/acre--		date	in	rating	no./lb	rating	rating
Asgrow	AG42XF4	4.2	92.1	.	29	1.0	2,959	3.1	2.7
Revere	4826XFS	4.8	89.8	.	33	1.0	2,563	2.7	1.0
Progeny	P 4806XFS	4.8	83.0	.	31	1.0	2,498	2.9	1.3
Progeny	P 5056XFS	5.0	83.0	.	35	1.0	2,527	3.1	1.0
Progeny	P 4798XF	4.7	80.9	.	29	1.0	2,411	3.1	1.0
Progeny	P 4604XFS	4.6	79.9	.	36	1.0	2,612	2.6	1.0
Pioneer	P48A14E	4.8	79.6	.	31	1.0	2,720	3.7	1.0
Revere	5029XF	5.0	79.0	.	35	1.0	2,574	3.3	1.0
Asgrow	AG47XF4	4.7	76.3	.	30	1.0	2,730	2.8	1.7
INTEGRA	54660NS	4.6	71.6	.	27	1.0	2,707	2.8	1.0
Asgrow	AG44XF4	4.4	63.6	.	25	1.0	3,028	3.0	1.0
Asgrow	AG40XF4	4.0	63.3	.	28	1.0	2,861	3.6	2.7
Innvictis	A4862XF	4.8	62.1	.	28	1.0	2,745	3.3	1.3
Progeny	P 4691XFS	4.6	48.9	.	28	1.0	2,924	3.3	2.7
Average			75.2	-	30	1.0	2,704	3.1	1.5
LSD at 10% Level			11.4	-	5	-	125	0.5	0.5
Model R-square			0.82	-	0.48	-	0.80	0.49	0.8
C.V.			13.7	-	13.8	-	4.3	13.8	32.1

1. Plants should be chemically defoliated when one fully mature pod is present.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: June 9, 2023.
Harvested: November 8, 2023.
Seeding Rate: 140,000 seeds per acre in 30" rows.
Soil Type: Cecil sandy loam.
Soil Test: 25 lb P₂O₅, 170 lb K₂O/acre, and pH = 6.0.
Preplant Fertilizer: 23 lb N, 60 lb P₂O₅, 120 lb K₂O/acre.
Previous Crop: Wheat.
Tillage: Conventional.
Herbicides: Warrant, Classic, and Roundup.
Irrigation:

Test conducted by J. Arrington, G. Ware, B. Byous, J. Gassett, and S.T. Brannon.

Tifton, Georgia: MG IV Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	MG	Yield	Maturity ¹	Plant Height	Lodg. ¹	Seed Size	Seed Quality ²
		-----bu/acre--		date	in	rating	no./lb	rating
Pioneer	P48A14E	4.8	50.8	.	23	1.0	3,565	2.7
Progeny	P 4798XF	4.7	48.3	.	24	1.0	3,317	2.9
Progeny	P 5056XFS	5.0	47.9	.	22	1.0	3,556	2.9
Asgrow	AG47XF4	4.7	43.7	.	23	1.0	3,526	2.0
Progeny	P 4604XFS	4.6	43.3	.	23	1.0	3,438	2.8
Innvictis	A4862XF	4.8	39.5	.	19	1.0	3,718	2.7
Progeny	P 4806XFS	4.8	38.8	.	22	1.0	3,217	3.4
Progeny	P 4691XFS	4.6	37.3	.	21	1.0	3,489	2.2
Revere	4826XFS	4.8	36.9	.	18	1.0	3,631	2.6
Asgrow	AG44XF4	4.4	34.8	.	18	1.0	3,705	3.0
INTEGRA	54660NS	4.6	34.1	.	17	1.0	3,567	2.7
Asgrow	AG42XF4	4.2	32.1	.	21	1.0	3,856	2.4
Asgrow	AG40XF4	4.0	26.9	.	21	1.0	3,478	2.5
Average			39.2	-	21	1.0	3,545	2.7
LSD at 10% Level			4.7	-	2	NS	156	0.3
Model R-square			0.83	-	0.80	-	0.81	0.69
C.V.			11.1	-	8.3	-	3.3	10.6

1. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).

2. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: April 27, 2023.
Harvested: October 4, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Tifton loamy sand.
Previous Crop: Corn.
Soil Test: 96 lb P₂O₅, 161 lb K₂O/acre, and pH = 6.6.
Preplant Fertilizer: 0 lb P₂O₅, 110 lb K₂O/acre.
Tillage: Conventional.
Herbicides: Warrant, Select, Basagran, and Blazer.
Irrigation: 7 inches.

Test conducted by M. Cofield, D. Dunn, and W. Mosteller.

Statewide Yield Summary: MG V-VIII Soybean Variety Performance, 2023

Company or Brand Name	Variety	Maturity	Rome	Athens	Griffin	Midville		Plains	Tifton	Statewide Average
						Early	Late			
----- bu/acre -----										
Maturity Group V										
NK Brand	NK56-Z6XFS	5.6	51.2	84.6	82.9	86.3	81.2	66.5	65.9	74.6
NK Brand	NK54-J9XFS	5.4	43.1	85.0	85.7	65.5	55.3	71.4	73.4	67.8
Dyna-Gro	S58XF24	5.8	45.2	79.1	79.4	74.4	69.3	63.2	67.7	67.8
Revere	5735XFS	5.7	45.8	78.8	79.8	71.2	69.9	64.5	66.5	67.7
NK Brand	NK52D6-E3	5.2	38.3	88.1	71.8	75.2	74.2	64.1	59.3	67.5
Progeny	P 5751XF	5.7	42.4	77.9	75.4	75.6	67.8	64.1	65.5	66.4
INTEGRA	XF5834S	5.8	38.4	77.1	75.3	71.5	67.3	63.6	68.4	66.3
Progeny	P 5554RX	5.5	49.0	75.4	70.5	71.0	73.5	64.4	58.9	66.1
Progeny	P 5641XF	5.6	37.3	86.2	73.9	76.8	66.0	58.9	64.2	65.8
Innvictis	A5003XF	5.0	39.0	88.4	63.9	66.3	72.7	63.2	62.2	65.5
Progeny	P 5441XF	5.4	39.3	77.7	81.4	74.5	46.9	64.9	70.0	65.4
Revere	5029XF	5.0	40.8	84.3	65.2	73.1	71.9	60.8	52.2	64.5
Progeny	P 5056XFS	5.0	36.8	81.4	80.4	71.9	66.0	55.5	54.5	63.7
NK Brand	NK52-V1XF	5.2	35.3	78.0	69.2	81.8	66.0	55.6	55.1	62.9
Revere	6016XFS	6.0	40.3	73.3	72.1	75.7	68.1	56.1	53.9	62.7
Pioneer	P56A71E	5.6	41.5	68.3	64.2	65.6	60.5	59.8	59.0	59.8
Mixon Seed	AGS 52G20	5.2	48.4	57.2	62.2	64.9	61.1	53.1	50.7	56.6
Average			41.8	78.6	73.6	73.2	67.0	61.4	61.2	62.2
LSD at 10% Level			NS	4.9	7.2	3.8	4.6	6.2	7.2	NS
Model R-square			0.33	0.91	0.98	0.89	0.83	0.97	0.82	0.39
C.V.			19.6	5.7	9.2	4.8	6.4	9.4	10.8	26.0

Planted:	6/1	5/31	6/8	5/4	5/30	5/31	5/18
Harvested:	10/18	11/7	11/8	11/1	11/8	11/9	10/24

Statewide Yield Summary: MG V-VIII Soybean Variety Performance, 2023 (Continued)

Company or Brand Name	Variety	Maturity	Rome	Athens	Griffin	Midville		Plains	Tifton	Statewide Average
						Early	Late			
----- bu/acre -----										
Maturity Group VI										
Armor	62-D60	6.2	.	78.8	63.8	81.1	69.3	58.0	64.0	69.7
Revere	6927XF	6.9	.	71.7	71.8	70.2	67.0	54.1	70.4	67.5
Asgrow	AG66XF2	6.6	.	75.8	69.5	74.6	65.4	50.3	62.3	66.9
Dyna-Gro	S58XF24	5.8	.	77.5	70.7	71.7	58.5	56.7	58.0	66.8
DONMARIO SEEDS	DM69E83S	6.9	.	71.5	72.4	75.0	61.4	60.3	55.4	66.8
USG	7633XF	6.3	.	74.3	76.4	67.0	70.0	54.1	49.2	66.7
INTEGRA	XF6772S	6.7	.	77.8	76.8	64.0	66.8	49.4	61.1	66.1
Southern Harvest	SH 6823 E3	6.8	.	69.8	71.8	67.7	64.9	56.3	58.9	65.1
NK Brand	NK67-P1XFS	6.7	.	74.6	76.4	63.7	60.3	51.4	59.7	65.0
Armor	59-F21	5.9	.	76.2	74.5	80.1	68.4	43.1	50.6	64.8
UGA	G18-3051RR2	6.0	.	73.1	67.6	69.8	62.5	59.1	53.9	64.5
Revere	6016XFS	6.0	.	77.0	68.1	71.7	61.8	45.7	60.0	64.5
Pioneer	P68A41BE	6.8	.	70.7	77.0	71.0	59.2	57.1	55.5	64.3
Progeny	P 6685XFS	6.6	.	73.9	73.5	66.4	63.1	47.4	61.0	63.7
Revere	6835XF	6.8	.	73.5	71.5	67.7	64.5	42.1	57.3	63.2
Southern Harvest	SH 6524 E3	6.5	.	67.7	62.9	69.1	71.0	49.2	56.3	63.1
INTEGRA	XF6984	6.9	.	73.2	67.6	73.4	65.2	44.7	54.3	63.1
NC Foundation	NC-Dunphy	6.0	.	82.8	61.0	72.4	66.9	36.1	57.2	62.6
Progeny	P 6461RX	6.4	.	73.1	62.0	75.9	63.9	41.9	55.5	62.5
Armor	69-F29	6.9	.	69.2	70.3	69.3	58.8	48.5	52.0	62.3
Mixon Seed	AGS V5422	5.4	.	67.3	61.0	68.4	56.7	58.3	58.1	62.0
Southern Harvest	SH 6323 E3	6.3	.	66.3	65.9	67.1	64.3	43.5	55.0	60.6
NK Brand	NK72-B2XF	7.2	.	69.0	69.3	65.6	58.4	40.3	56.5	60.1
Perdue	P60GO21	6.0	.	62.6	62.7	64.2	61.8	36.3	60.0	58.4
UGA	G16-8779	6.0	.	61.4	75.5	60.4	41.0	50.2	53.0	57.1
Average			-	72.6	69.6	70.0	62.8	49.3	57.7	59.8
LSD at 10% Level			-	5.7	7.2	3.8	4.5	6.9	5.5	NS
Model R-square			-	0.92	0.99	0.73	0.95	0.94	0.73	0.40
C.V.			-	7.17	9.12	5.11	6.50	12.86	8.91	26.85

Planted: 5/31 6/8 5/4 5/30 5/31 5/18
Harvested: 11/7 11/8 11/1 11/8 11/9 10/24

Statewide Yield Summary: MG V-VIII Soybean Variety Performance, 2023 (Continued)

Company or Brand Name	Variety	Maturity	Athens	Griffin	Midville		Plains		Tifton	Statewide Average
					Early	Late	Early	Late		
----- bu/acre -----										
Maturity Group VII and VIII										
INTEGRA	XF7062	7.0	77.8	70.0	82.4	70.2	63.4	55.8	61.0	69.9
Asgrow	AG66XF2	6.6	69.6	68.7	80.5	69.8	63.8	63.5	64.8	68.7
Dyna-Gro	S71XF93	7.1	68.8	66.1	72.8	70.4	59.6	53.5	73.1	66.9
Armor	71-F12	7.1	73.2	65.3	66.3	68.3	63.9	58.4	72.2	66.7
UGA	G21-245R2X	8.0	67.3	72.5	72.9	64.4	56.7	61.3	63.5	66.0
Pioneer	P70A62E	7.0	54.8	63.4	76.1	64.9	68.3	57.8	77.1	66.0
NC Foundation	N8002	8.0	72.1	61.6	71.6	57.3	75.7	60.1	68.3	66.0
Southern Harvest	SH 7024 E3	7.0	69.0	65.1	72.8	69.5	60.0	63.1	57.6	65.9
DONMARIO SEEDS	DM69E83S	6.9	64.6	70.3	73.4	63.7	62.0	59.8	61.3	65.1
Revere	6927XF	6.9	63.4	65.8	72.5	61.2	59.7	56.8	71.8	64.7
INTEGRA	XF7223	7.2	58.1	66.6	71.7	65.0	66.7	54.4	72.8	64.5
Mixon Seed	AGS 738RR	7.3	66.5	57.5	73.2	69.0	59.4	56.6	67.4	64.3
Revere	6016XFS	6.0	70.6	65.5	68.6	69.9	58.2	54.4	63.5	64.3
Mixon Seed	AGS Woodruff	7.8	61.1	61.3	78.0	54.5	60.3	57.2	70.9	63.3
UGA	G17-5173R2	7.0	66.3	62.6	73.5	65.8	51.3	51.8	68.7	63.1
UGA	G21-230R2X	7.0	70.3	64.9	71.5	45.6	59.4	56.6	70.5	62.6
Dyna-Gro	S72XT80	7.2	62.1	64.9	73.5	63.0	60.6	55.7	55.4	62.3
UGA	G17-11315	7.0	57.5	64.5	72.3	59.9	58.4	50.3	70.7	62.1
Perdue	P70GO21	7.0	64.0	60.2	70.0	56.9	52.8	56.9	66.4	61.5
UGA	G21-209E3	7.0	63.8	61.4	70.3	51.5	62.5	50.8	66.4	61.1
INTEGRA	XF6984	6.9	66.0	62.1	65.8	70.3	55.5	46.7	54.1	60.4
NC Foundation	N7003CN	7.0	44.7	63.3	68.3	64.7	67.0	55.5	54.7	59.9
GSDC	Cook (Public)	8.0	54.8	56.4	77.2	54.7	60.2	46.7	54.8	58.0
Average			64.9	64.4	72.7	63.3	61.0	55.7	65.4	59.4
LSD at 10% Level			5.9	NS	2.7	5.0	6.7	4.5	5.7	NS
Model R-square			0.72	0.89	0.89	0.78	0.98	0.82	0.99	0.24
C.V.			8.6	12.3	3.5	7.5	10.3	7.5	8.1	29.9

Planted: 5/31 6/8 5/4 5/30 5/31 6/28 5/18
Harvested: 11/7 11/30 11/1 11/8 11/9 11/9 10/24

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Yields are calculated as 60 pounds per bushel at 13% moisture.

Rome, Georgia: MG V Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
NK Brand	NK56-Z6XFS	5.6	51.2	09/17	33	1.7	.	.
Progeny	P 5554RX	5.5	49.0	10/01	34	1.0	.	.
Mixon Seed	AGS 52G20	5.2	48.4	09/29	34	1.9	.	.
Revere	5735XFS	5.7	45.8	10/06	32	1.0	.	.
Dyna-Gro	S58XF24	5.8	45.2	10/04	35	1.0	.	.
NK Brand	NK54-J9XFS	5.4	43.1	09/28	30	2.0	.	.
Progeny	P 5751XF	5.7	42.4	10/07	32	1.0	.	.
Pioneer	P56A71E	5.6	41.5	10/01	30	1.0	.	.
Revere	5029XF	5.0	40.8	09/17	32	1.3	.	.
Revere	6016XFS	6.0	40.3	10/05	33	1.1	.	.
Progeny	P 5441XF	5.4	39.3	09/15	31	1.1	.	.
Innvictis	A5003XF	5.0	39.0	09/15	27	1.0	.	.
INTEGRA	XF5834S	5.8	38.4	10/07	31	1.0	.	.
NK Brand	NK52D6-E3	5.2	38.3	09/16	30	0.9	.	.
Progeny	P 5641XF	5.6	37.3	09/15	30	1.0	.	.
Progeny	P 5056XFS	5.0	36.8	09/21	29	1.0	.	.
NK Brand	NK52-V1XF	5.2	35.3	09/18	30	1.1	.	.
Average			41.8	09/26	32	1.2	-	-
LSD at 10% Level			NS	3	NS	NS	-	-
Model R-square			0.33	0.97	0.45	0.71	-	-
C.V.			19.6	0.0	8.8	46.3	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: June 1, 2023.
Harvested: October 18, 2023.
Seeding Rate: 140,000 seeds per acre in 30" rows.
Soil Type: Wax loam.
Soil Test: 100 lb P₂O₅, 408 lb K₂O/acre, and pH = 5.9.
Preplant Fertilizer: 0 lb P₂O₅, 0 lb K₂O/acre.
Previous Crop: Corn.
Tillage: Conventional.
Herbicides: Warrant, Treflan, and Roundup.
Irrigation:

Test conducted by J. Arrington, G. Ware, M. Tucker, and T. Turnquist.

Athens, Georgia: MG V Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield bu/acre	Maturity ¹ date	Plant Height in	Lodging ² rating	Seed Size no./lb	Seed Quality ³ rating
Innictis	A5003XF	5.0	88.4	10/08	43	1.0	2,845	1.9
NK Brand	NK52D6-E3	5.2	88.1	10/08	42	1.3	2,560	2.8
Progeny	P 5641XF	5.6	86.2	10/09	43	1.0	2,942	1.3
NK Brand	NK54-J9XFS	5.4	85.0	10/11	46	1.3	3,149	1.5
NK Brand	NK56-Z6XFS	5.6	84.6	10/09	36	1.0	2,970	1.6
Revere	5029XF	5.0	84.3	10/09	45	2.0	2,429	2.1
Progeny	P 5056XFS	5.0	81.4	10/10	42	2.0	2,386	1.9
Dyna-Gro	S58XF24	5.8	79.1	10/11	38	1.0	2,964	1.2
Revere	5735XFS	5.7	78.8	10/11	39	1.3	2,940	1.1
NK Brand	NK52-V1XF	5.2	78.0	10/08	43	1.7	2,990	1.8
Progeny	P 5751XF	5.7	77.9	10/12	40	1.0	3,016	1.1
Progeny	P 5441XF	5.4	77.7	10/10	47	1.7	2,869	1.4
INTEGRA	XF5834S	5.8	77.1	10/11	39	1.0	2,898	1.1
Progeny	P 5554RX	5.5	75.4	10/09	37	1.7	2,482	1.2
Revere	6016XFS	6.0	73.3	10/15	43	2.7	2,874	1.8
Pioneer	P56A71E	5.6	68.3	10/11	46	3.3	2,987	3.0
Mixon Seed	AGS 52G20	5.2	57.2	10/08	43	4.0	3,348	1.4
			83.5					
Average			78.6	10/10	42	1.8	2,862	1.7
LSD at 10% Level			4.9	1	3	0.5	118	0.3
Model R-square			0.91	0.80	0.77	0.85	0.95	0.90
C.V.			5.7	0.0	6.0	26.7	3.8	14.2

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 31, 2023.
Harvested: November 7, 2023.
Seeding Rate: 140,000 seeds per acre in 30" rows.
Management: Conventional tillage.

Test conducted by Z. Li, B. Little, and M. Mitchum.

Athens, Georgia: MG VI Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
NC Foundation	NC-Dunphy	6.0	82.8	10/13	34	2.4	2,333	1.2
Armor	62-D60	6.2	78.8	10/17	39	2.3	2,865	1.2
INTEGRA	XF6772S	6.7	77.8	10/16	40	1.8	3,156	1.2
Dyna-Gro	S58XF24	5.8	77.5	10/12	40	1.9	2,818	1.2
Revere	6016XFS	6.0	77.0	10/14	43	2.3	2,767	1.2
Armor	59-F21	5.9	76.2	10/16	43	2.0	2,621	1.2
Asgrow	AG66XF2	6.6	75.8	10/19	46	2.1	2,922	1.3
NK Brand	NK67-P1XFS	6.7	74.6	10/19	40	3.6	2,272	1.2
USG	7633XF	6.3	74.3	10/18	39	3.6	2,835	1.4
Progeny	P 6685XFS	6.6	73.9	10/18	43	2.1	3,180	1.2
Revere	6835XF	6.8	73.5	10/20	40	3.5	2,731	1.1
INTEGRA	XF6984	6.9	73.2	10/18	39	2.6	2,833	1.2
Progeny	P 6461RX	6.4	73.1	10/17	38	2.2	3,234	1.2
UGA	G18-3051RR2	6.0	73.1	10/20	37	2.6	3,316	1.2
Revere	6927XF	6.9	71.7	10/22	43	3.4	2,507	1.2
DONMARIO SEEDS	DM 69E83S	6.9	71.5	10/21	46	3.3	2,718	1.2
Pioneer	P68A41BE	6.8	70.7	10/21	43	3.4	2,723	1.1
Southern Harvest	SH 6823 E3	6.8	69.8	10/22	45	3.5	2,808	1.2
Armor	69-F29	6.9	69.2	10/20	42	2.8	2,768	1.2
NK Brand	NK72-B2XF	7.2	69.0	10/22	39	3.4	3,638	1.1
Southern Harvest	SH 6524 E3	6.5	67.7	10/21	45	3.4	3,543	1.5
Mixon Seed	AGS V5422	5.4	67.3	10/10	53	3.3	2,847	1.4
Southern Harvest	SH 6323 E3	6.3	66.3	10/20	44	3.0	3,516	1.5
Perdue	P60GO21	6.0	62.6	10/17	42	3.4	3,326	1.1
UGA	G16-8779	6.0	61.4	10/16	45	1.7	2,742	1.2
Average			72.6	10/18	42	2.8	2,906	1.2
LSD at 10% Level			5.7	2	4	0.7	133	0.1
Model R-square			0.92	0.95	0.78	0.95	0.96	0.91
C.V.			7.2	0.0	6.9	22.4	3.5	3.9

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 31, 2023.
Harvested: November 7, 2023.
Seeding Rate: 140,000 seeds per acre in 30" rows.
Management: Conventional tillage.

Test conducted by Z. Li, B. Little, and M. Mitchum.

Athens, Georgia: MG VII-VIII Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
INTEGRA	XF7062	7.0	77.8	10/21	45	1.7	2,750	1.5
Armor	71-F12	7.1	73.2	10/27	41	2.7	2,477	1.5
NC Foundation	N8002	8.0	72.1	10/27	48	3.7	2,760	1.3
Revere	6016XFS	6.0	70.6	10/23	41	3.0	2,620	1.7
UGA	G21-230R2X	7.0	70.3	10/25	47	3.4	2,745	1.1
Asgrow	AG66XF2	6.6	69.6	10/24	40	3.1	2,814	1.8
Southern Harvest	SH 7024 E3	7.0	69.0	10/25	44	3.7	3,028	2.1
Dyna-Gro	S71XF93	7.1	68.8	10/28	46	3.9	2,463	1.6
UGA	G21-245R2X	8.0	67.3	10/23	42	2.0	2,431	1.2
Mixon Seed	AGS 738RR	7.3	66.5	10/24	38	3.0	2,942	1.3
UGA	G17-5173R2	7.0	66.3	10/23	41	3.7	2,860	1.2
INTEGRA	XF6984	6.9	66.0	10/22	43	2.4	2,759	1.2
DONMARIO SEEDS	DM 69E83S	6.9	64.6	10/26	48	3.7	2,693	1.2
Perdue	P70GO21	7.0	64.0	10/24	46	2.3	2,624	1.6
UGA	G21-209E3	7.0	63.8	10/26	40	3.7	2,858	2.1
Revere	6927XF	6.9	63.4	10/25	42	3.0	2,768	1.4
Dyna-Gro	S72XT80	7.2	62.1	10/25	43	3.0	3,284	1.8
Mixon Seed	AGS Woodruff	7.8	61.1	10/25	45	3.0	2,785	1.0
INTEGRA	XF7223	7.2	58.1	10/27	41	3.3	2,262	1.3
UGA	G17-11315	7.0	57.5	10/26	46	3.6	2,506	1.2
GSDC	Cook (Public)	8.0	54.8	10/24	44	3.4	2,570	1.3
Pioneer	P70A62E	7.0	54.8	10/23	47	2.7	2,729	1.9
NC Foundation	N7003CN	7.0	44.7	10/27	37	3.7	2,346	1.8
Average			64.9	10/25	43	3.1	2,696	1.5
LSD at 10% Level			5.9	2	NS	0.7	154	0.2
Model R-square			0.72	0.51	0.76	0.78	0.94	0.93
C.V.			8.6	0.0	8.8	21.5	4.2	11.8

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 31, 2023.
Harvested: November 7, 2023.
Seeding Rate: 140,000 seeds per acre in 30" rows.
Management: Conventional tillage.

Test conducted by Z. Li, B. Little, and M. Mitchum.

Griffin, Georgia: MG V Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield bu/acre	Maturity ¹ date	Plant Height in	Lodging ² rating	Seed Size no./lb	Seed Quality ³ rating	Shatter rating
NK Brand	NK54-J9XFS	5.4	85.7	10/14	35	1.0	2,960	1.2	1.0
NK Brand	NK56-Z6XFS	5.6	82.9	10/15	29	1.0	2,893	2.0	1.0
Progeny	P 5441XF	5.4	81.4	10/16	39	2.3	2,899	1.4	1.0
Progeny	P 5056XFS	5.0	80.4	10/10	38	1.3	2,451	2.5	1.0
Revere	5735XFS	5.7	79.8	10/19	35	1.0	2,703	2.0	1.0
Dyna-Gro	S58XF24	5.8	79.4	10/17	34	1.0	2,747	1.3	1.0
Progeny	P 5751XF	5.7	75.4	10/20	34	1.3	2,890	1.4	1.0
INTEGRA	XF5834S	5.8	75.3	10/18	34	1.0	2,842	1.5	1.0
Progeny	P 5641XF	5.6	73.9	10/19	36	1.0	2,852	1.7	1.3
Revere	6016XFS	6.0	72.1	10/18	34	1.2	2,804	1.9	1.2
NK Brand	NK52D6-E3	5.2	71.8	10/11	36	1.0	2,509	3.3	1.3
Progeny	P 5554RX	5.5	70.5	10/09	32	1.0	2,450	1.6	1.0
NK Brand	NK52-V1XF	5.2	69.2	10/07	35	1.0	2,844	2.4	1.0
Revere	5029XF	5.0	65.2	10/22	40	1.3	2,513	3.7	1.0
Pioneer	P56A71E	5.6	64.2	10/07	33	1.0	2,717	2.8	1.0
Innvictis	A5003XF	5.0	63.9	10/10	35	1.3	2,728	2.3	1.3
Mixon Seed	AGS 52G20	5.2	62.2	10/08	39	2.3	3,184	2.0	1.0
Average			73.6	10/14	35	1.2	2,766	2.1	1.1
LSD at 10% Level			7.2	4	2	0.4	108	0.4	NS
Model R-square			0.98	0.87	0.92	0.70	0.98	0.99	0.29
C.V.			9.2	0.0	4.4	28.3	3.7	19.0	25.89

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: June 8, 2023.
Harvested: November 8, 2023.
Seeding Rate: 140,000 seeds per acre in 30" rows.
Soil Type: Cecil sandy loam.
Soil Test: 60 lb P₂O₅, 223 lb K₂O/acre, and pH = 6.2.
Preplant Fertilizer: 30 lb P₂O₅, 150 lb K₂O/acre.
Previous Crop: Wheat.
Tillage: Conventional.
Herbicides: Warrant, Classic, and Roundup.
Irrigation:

Test conducted by J. Arrington, G. Ware, B. Byous, J. Gassett, and S.T. Brannon.

Griffin, Georgia: MG VI Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield bu/acre	Maturity ¹ date	Plant Height in	Lodging ² rating	Seed Size no./lb	Seed Quality ³ rating	Shatter rating
Pioneer	P68A41BE	6.8	77.3	10/25	33	1.4	2,583	1.2	1.0
INTEGRA	XF6772S	6.7	76.6	10/27	35	0.9	2,725	1.4	1.0
NK Brand	NK67-P1XFS	6.7	76.4	10/23	32	1.1	2,085	1.3	1.0
USG	7633XF	6.3	76.3	10/22	32	1.7	2,920	1.4	1.0
UGA	G16-8779	6.0	75.5	10/25	34	1.4	2,365	1.3	1.0
Progeny	P 6685XFS	6.6	73.0	10/24	33	1.4	2,887	1.4	1.0
DONMARIO SEEDS	DM69E83S	6.9	72.8	10/28	38	1.3	2,625	1.3	1.0
Revere	6927XF	6.9	72.1	10/27	34	1.7	2,539	1.2	1.0
Revere	6835XF	6.8	71.4	10/24	33	1.1	2,596	1.2	1.0
Armor	69-F29	6.9	70.5	10/25	34	1.0	2,630	1.3	1.0
Dyna-Gro	S58XF24	5.8	70.3	10/21	32	0.9	2,649	1.3	1.0
NK Brand	NK72-B2XF	7.2	69.2	10/28	37	1.0	3,353	1.3	1.0
Armor	59-F21	5.9	69.0	10/24	39	0.9	2,345	1.2	1.0
Southern Harvest	SH 6823 E3	6.8	68.6	10/27	35	1.4	2,608	1.2	1.0
Revere	6016XFS	6.0	68.2	10/20	33	1.0	2,728	1.3	1.1
UGA	G18-3051RR2	6.0	67.3	10/25	28	0.9	2,728	1.3	1.0
Southern Harvest	SH 6323 E3	6.3	65.8	10/22	40	1.0	3,312	1.4	1.0
Armor	62-D60	6.2	63.8	10/22	31	1.0	2,796	1.3	1.0
Asgrow	AG66XF2	6.6	63.3	10/25	32	1.0	2,948	1.2	1.3
Southern Harvest	SH 6524 E3	6.5	63.0	10/22	35	1.0	3,389	1.4	1.0
Perdue	P60GO21	6.0	62.9	10/23	36	1.7	3,087	1.4	1.0
INTEGRA	XF6984	6.9	62.4	10/22	32	0.9	2,743	1.3	1.0
Progeny	P 6461RX	6.4	61.9	10/23	32	1.0	3,126	1.3	1.0
Mixon Seed	AGS V5422	5.4	61.0	10/15	39	0.9	2,813	1.4	1.0
NC Foundation	NC-Dunphy	6.0	60.9	10/19	28	0.9	2,231	1.3	1.0
Average			68.7	10/23	34	1.1	2,746	1.3	1.0
LSD at 10% Level			8.0	2	3	0.3	159	NS	NS
Model R-square			0.97	0.95	0.90	0.90	0.98	0.89	0.33
C.V.			10.5	0.0	8.7	27.2	5.3	6.8	15.2

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: June 8, 2023.
Harvested: November 8, 2023.
Seeding Rate: 140,000 seeds per acre in 30" rows.
Soil Type: Cecil sandy loam.
Soil Test: 60 lb P₂O₅, 223 lb K₂O/acre, and pH = 6.2.
Preplant Fertilizer: 30 lb P₂O₅, 150 lb K₂O/acre.
Previous Crop: Wheat.
Tillage: Conventional.
Herbicides: Warrant, Classic, and Roundup.
Irrigation:

Test conducted by J. Arrington, G. Ware, B. Byous, J. Gassett, and S.T. Brannon.

Griffin, Georgia: MG VII-VIII Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
UGA	G21-245R2X	8.0	72.5	10/28	36	1.0	.	.
DONMARIO SEEDS	DM69E83S	6.9	70.3	10/27	37	2.0	.	.
INTEGRA	XF7062	7.0	70.0	10/26	33	1.0	.	.
Asgrow	AG66XF2	6.6	68.7	10/26	35	0.9	.	.
INTEGRA	XF7223	7.2	66.6	10/26	35	1.0	.	.
Dyna-Gro	S71XF93	7.1	66.1	10/26	35	1.0	.	.
Revere	6927XF	6.9	65.8	10/26	35	1.0	.	.
Revere	6016XFS	6.0	65.5	10/22	32	1.0	.	.
Armor	71-F12	7.1	65.3	10/26	34	1.0	.	.
Southern Harvest	SH 7024 E3	7.0	65.1	10/27	33	1.0	.	.
UGA	G21-230R2X	7.0	64.9	10/29	38	2.0	.	.
Dyna-Gro	S72XT80	7.2	64.9	10/27	36	1.8	.	.
UGA	G17-11315	7.0	64.5	10/26	40	1.3	.	.
Pioneer	P70A62E	7.0	63.4	10/27	42	3.0	.	.
NC Foundation	N7003CN	7.0	63.3	10/26	37	1.4	.	.
UGA	G17-5173R2	7.0	62.6	10/23	33	1.0	.	.
INTEGRA	XF6984	6.9	62.1	10/24	30	1.0	.	.
NC Foundation	N8002	8.0	61.6	11/04	36	2.0	.	.
UGA	G21-209E3	7.0	61.4	10/28	33	1.0	.	.
Mixon Seed	AGS Woodruff	7.8	61.3	11/02	39	1.9	.	.
Perdue	P70GO21	7.0	60.2	10/28	34	1.0	.	.
Mixon Seed	AGS 738RR	7.3	57.5	10/22	35	1.3	.	.
GSDC	Cook (Public)	8.0	56.4	10/27	38	2.7	.	.
Average			64.4	10/27	35	1.4	-	-
LSD at 10% Level			NS	01/01	2	0.6	-	-
Model R-square			0.89	0.95	0.99	0.76	-	-
C.V.			12.3	0.0	5.9	40.8	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: June 8, 2023.
Harvested: November 30, 2023.
Seeding Rate: 140,000 seeds per acre in 30" rows.
Soil Type: Cecil sandy loam.
Soil Test: 60 lb P₂O₅, 223 lb K₂O/acre, and pH = 6.2.
Preplant Fertilizer: 30 lb P₂O₅, 150 lb K₂O/acre.
Previous Crop: Wheat.
Tillage: Conventional.
Herbicides: Warrant, Classic, and Roundup.
Irrigation:

Test conducted by J. Arrington, G. Ware, B. Byous, J. Gassett, and S.T. Brannon.

Midville, Georgia: MG V

Soybean Variety Performance, 2023, Irrigated, Early May planted

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
NK Brand	NK56-Z6XFS	5.6	81.2	.	24	1.0	.	.
NK Brand	NK52D6-E3	5.2	74.2	.	37	2.3	.	.
Progeny	P 5554RX	5.5	73.5	.	32	2.3	.	.
Innvictis	A5003XF	5.0	72.7	.	30	1.7	.	.
Revere	5029XF	5.0	71.9	.	37	3.3	.	.
Revere	5735XFS	5.7	69.9	.	25	1.3	.	.
Dyna-Gro	S58XF24	5.8	69.3	.	26	1.0	.	.
Revere	6016XFS	6.0	68.1	.	30	1.7	.	.
Progeny	P 5751XF	5.7	67.8	.	25	1.0	.	.
INTEGRA	XF5834S	5.8	67.3	.	26	1.3	.	.
NK Brand	NK52-V1XF	5.2	66.0	.	36	2.3	.	.
Progeny	P 5641XF	5.6	66.0	.	47	5.0	.	.
Progeny	P 5056XFS	5.0	66.0	.	35	3.0	.	.
Mixon Seed	AGS 52G20	5.2	61.1	.	37	3.7	.	.
Pioneer	P56A71E	5.6	60.5	.	30	2.0	.	.
NK Brand	NK54-J9XFS	5.4	55.3	.	46	4.0	.	.
Progeny	P 5441XF	5.4	46.9	.	49	5.0	.	.
Average			67.0	-	34	2.4	-	-
LSD at 10% Level			4.6	-	2	0.7	-	-
Model R-square			0.83	-	0.96	0.84	-	-
C.V.			6.4	-	5.9	28.6	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 4, 2023.
Harvested: November 1, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Dothan sandy loam.
Soil Test: 82 lb P₂O₅, 205 lb K₂O/acre, and pH = 6.1.
Preplant Fertilizer: 52 lb P₂O₅, 90 lb K₂O/acre.
Previous Crop: Corn.
Tillage: Conventional.
Herbicide: Valor, Prowl, Basagran, Dual, Reflex, and Warrant.
Fungicide: Tebuconazole.
Insecticide: Prevathon, Dimilin, and Bifenthrin.
Irrigation: 7.1 Inches.

Test conducted by D. Dunn, M. Cofield, W. Mosteller, C. Harris, Z. Jones, R. Milton, and T. Woodward.

Midville, Georgia: MG V

Soybean Variety Performance, 2023, Irrigated, Late May planted

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
NK Brand	NK56-Z6XFS	5.6	86.3	.	29	1.6	.	.
NK Brand	NK52-V1XF	5.2	81.8	.	43	2.6	.	.
Progeny	P 5641XF	5.6	76.8	.	39	2.6	.	.
Revere	6016XFS	6.0	75.7	.	37	2.6	.	.
Progeny	P 5751XF	5.7	75.6	.	34	1.6	.	.
NK Brand	NK52D6-E3	5.2	75.2	.	43	4.5	.	.
Progeny	P 5441XF	5.4	74.5	.	50	4.8	.	.
Dyna-Gro	S58XF24	5.8	74.4	.	34	1.2	.	.
Revere	5029XF	5.0	73.1	.	43	4.9	.	.
Progeny	P 5056XFS	5.0	71.9	.	43	4.4	.	.
INTEGRA	XF5834S	5.8	71.5	.	33	1.1	.	.
Revere	5735XFS	5.7	71.2	.	35	2.3	.	.
Progeny	P 5554RX	5.5	71.0	.	36	2.6	.	.
Innictis	A5003XF	5.0	66.3	.	40	3.9	.	.
Pioneer	P56A71E	5.6	65.6	.	34	3.6	.	.
NK Brand	NK54-J9XFS	5.4	65.5	.	41	3.7	.	.
Mixon Seed	AGS 52G20	5.2	64.9	.	38	5.1	.	.
Average			73.2	-	38	3.1	-	-
LSD at 10% Level			3.8	-	3	0.7	-	-
Model R-square			0.89	-	0.93	0.94	-	-
C.V.			4.8	-	6.5	20.8	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 30, 2023.
Harvested: November 8, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Dothan loamy sand.
Soil Test: 51 lb P₂O₅, 160 lb K₂O/acre, and pH = 6.3.
Preplant Fertilizer: 52 lb P₂O₅, 90 lb K₂O/acre.
Previous Crop: Cotton.
Management: Conventional tillage.
Herbicides: Warrant, Storm, Dual, Reflex.
Fungicide: Tebuconazole.
Insecticide: Prevathon, Dimilin, and Bifenthrin.
Irrigation: 8.6 Inches.

Test conducted by D. Dunn, M. Cofield, W. Mosteller, C. Harris, Z. Jones, R. Milton, and T. Woodward.

Midville, Georgia: MG VI

Soybean Variety Performance, 2023, Irrigated, Early May planted

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
Southern Harvest	SH 6524 E3	6.5	71.0	.	38	2.4	.	.
USG	7633XF	6.3	70.0	.	29	1.6	.	.
Armor	62-D60	6.2	69.3	.	23	1.0	.	.
Armor	59-F21	5.9	68.4	.	36	2.4	.	.
Revere	6927XF	6.9	67.0	.	32	2.0	.	.
NC Foundation	NC-Dunphy	6.0	66.9	.	23	1.0	.	.
INTEGRA	XF6772S	6.7	66.8	.	28	1.1	.	.
Asgrow	AG66XF2	6.6	65.4	.	32	1.2	.	.
INTEGRA	XF6984	6.9	65.2	.	28	1.0	.	.
Southern Harvest	SH 6823 E3	6.8	64.9	.	28	2.0	.	.
Revere	6835XF	6.8	64.5	.	27	1.4	.	.
Southern Harvest	SH 6323 E3	6.3	64.3	.	36	2.0	.	.
Progeny	P 6461RX	6.4	63.9	.	28	1.4	.	.
Progeny	P 6685XFS	6.6	63.1	.	28	1.3	.	.
UGA	G18-3051RR2	6.0	62.5	.	23	1.0	.	.
Perdue	P60GO21	6.0	61.8	.	34	2.4	.	.
Revere	6016XFS	6.0	61.8	.	28	1.1	.	.
DONMARIO SEEDS	DM69E83S	6.9	61.4	.	30	2.6	.	.
NK Brand	NK67-P1XFS	6.7	60.3	.	27	1.1	.	.
Pioneer	P68A41BE	6.8	59.2	.	25	1.7	.	.
Armor	69-F29	6.9	58.8	.	28	1.3	.	.
Dyna-Gro	S58XF24	5.8	58.5	.	21	1.0	.	.
NK Brand	NK72-B2XF	7.2	58.4	.	30	1.4	.	.
Mixon Seed	AGS V5422	5.4	56.7	.	49	4.7	.	.
UGA	G16-8779	6.0	41.0	.	22	1.3	.	.
Average			62.8	-	29	1.6	-	-
LSD at 10% Level			4.5	-	3	0.5	-	-
Model R-square			0.95	-	0.97	0.96	-	-
C.V.			6.5	-	9.5	27.7	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 4, 2023.
Harvested: November 1, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Dothan sandy loam.
Soil Test: 82 lb P₂O₅, 205 lb K₂O/acre, and pH = 6.1.
Preplant Fertilizer: 52 lb P₂O₅, 90 lb K₂O/acre.
Previous Crop: Corn.
Tillage: Conventional tillage.
Herbicide: Valor, Prowl, Basagran, Dual, Reflex, and Warrant.
Fungicide: Tebuconazole.
Insecticide: Prethion, Dimilin, and Bifenthrin.
Irrigation: 7.1 Inches.

Test conducted by D. Dunn, M. Cofield, W. Mosteller, C. Harris, Z. Jones, R. Milton, and T. Woodward.

Midville, Georgia: MG VI

Soybean Variety Performance, 2023, Irrigated, Late May planted

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
Armor	62-D60	6.2	81.1	.	33	1.9	.	.
Armor	59-F21	5.9	80.1	.	35	4.1	.	.
Progeny	P 6461RX	6.4	75.9	.	33	2.5	.	.
DONMARIO SEEDS	DM69E83S	6.9	75.0	.	32	4.9	.	.
Asgrow	AG66XF2	6.6	74.6	.	38	3.2	.	.
INTEGRA	XF6984	6.9	73.4	.	34	1.8	.	.
NC Foundation	NC-Dunphy	6.0	72.4	.	27	2.1	.	.
Dyna-Gro	S58XF24	5.8	71.7	.	32	1.9	.	.
Revere	6016XFS	6.0	71.7	.	35	2.3	.	.
Pioneer	P68A41BE	6.8	71.0	.	35	3.5	.	.
Revere	6927XF	6.9	70.2	.	32	2.9	.	.
UGA	G18-3051RR2	6.0	69.8	.	34	3.6	.	.
Armor	69-F29	6.9	69.3	.	37	1.8	.	.
Southern Harvest	SH 6524 E3	6.5	69.1	.	36	3.8	.	.
Mixon Seed	AGS V5422	5.4	68.4	.	45	3.9	.	.
Revere	6835XF	6.8	67.7	.	33	2.0	.	.
Southern Harvest	SH 6823 E3	6.8	67.7	.	37	4.7	.	.
Southern Harvest	SH 6323 E3	6.3	67.1	.	37	1.8	.	.
USG	7633XF	6.3	67.0	.	33	2.6	.	.
Progeny	P 6685XFS	6.6	66.4	.	37	2.2	.	.
NK Brand	NK72-B2XF	7.2	65.6	.	36	3.0	.	.
Perdue	P60GO21	6.0	64.2	.	36	4.1	.	.
INTEGRA	XF6772S	6.7	64.0	.	36	2.6	.	.
NK Brand	NK67-P1XFS	6.7	63.7	.	29	1.0	.	.
UGA	G16-8779	6.0	60.4	.	31	2.4	.	.
Average			70.0	-	35	2.9	-	-
LSD at 10% Level			3.8	-	2	0.7	-	-
Model R-square			0.73	-	0.96	0.97	-	-
C.V.			5.1	-	6.0	21.2	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 30, 2023.
Harvested: November 8, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Dothan loamy sand.
Soil Test: 51 lb P₂O₅, 160 lb K₂O/acre, and pH = 6.3.
Preplant Fertilizer: 52 lb P₂O₅, 90 lb K₂O/acre.
Previous Crop: Cotton.
Management: Conventional tillage.
Herbicides: Warrant, Storm, Dual, Reflex.
Fungicide: Tebuconazole.
Insecticide: Prevathon, Dimilin, and Bifenthrin.
Irrigation: 8.6 Inches.

Test conducted by D. Dunn, M. Cofield, W. Mosteller, C. Harris, Z. Jones, R. Milton, and T. Woodward.

Midville, Georgia: MG VII-VIII

Soybean Variety Performance, 2023, Irrigated, Early May planted

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
Dyna-Gro	S71XF93	7.1	70.4	.	29	0.9	.	.
INTEGRA	EXP6.92XFS	6.9	70.3	.	29	1.4	.	.
INTEGRA	XF7062	7.0	70.2	.	32	1.4	.	.
Asgrow	AG66XF2	6.6	69.8	.	35	1.7	.	.
Southern Harvest	SH 7024 E3	7.0	69.5	.	31	1.4	.	.
Revere	6016XFS	6.0	69.9	.	28	1.2	.	.
Mixon Seed	AGS 738RR	7.3	69.0	.	29	1.6	.	.
Armor	71-F12	7.1	68.3	.	29	1.7	.	.
UGA	G17-5173R2	7.0	65.8	.	22	1.0	.	.
INTEGRA	XF7223	7.2	65.0	.	30	1.0	.	.
Pioneer	P70A62E	7.0	64.9	.	35	4.0	.	.
NC Foundation	N7003CN	7.0	64.7	.	29	1.7	.	.
UGA	G21-245R2X	8.0	64.4	.	31	1.6	.	.
DONMARIO SEEDS	DM69E83S	6.9	63.7	.	34	2.3	.	.
Dyna-Gro	S72XT80	7.2	63.0	.	31	1.2	.	.
Revere	6927XF	6.9	61.2	.	30	2.1	.	.
UGA	G17-11315	7.0	59.9	.	29	1.7	.	.
NC Foundation	N8002	8.0	57.3	.	32	2.2	.	.
Perdue	P70GO21	7.0	56.9	.	31	1.3	.	.
GSDC	Cook (Public)	8.0	54.7	.	37	3.3	.	.
Mixon Seed	AGS Woodruff	7.8	54.5	.	29	1.8	.	.
UGA	G21-209E3	7.0	51.5	.	29	1.4	.	.
UGA	G21-230R2X	7.0	45.6	.	34	1.3	.	.
Average			65.32					
LSD at 10% Level			63.3	-	30	1.7	-	-
Model R-square			5.0	-	2	0.5	-	-
C.V.			0.78	-	0.85	0.87	-	-
			7.5	-	7.2	28.8	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 4, 2023.
Harvested: November 1, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Dothan sandy loam.
Soil Test: 82 lb P₂O₅, 205 lb K₂O/acre, and pH = 6.1.
Preplant Fertilizer: 52 lb P₂O₅, 90 lb K₂O/acre.
Previous Crop: Corn.
Tillage: Conventional tillage.
Herbicide: Valor, Prowl, Basagran, Dual, Reflex, and Warrant.
Fungicide: Tebuconazole.
Insecticide: Prevathon, Dimilin, and Bifenthrin.
Irrigation: 7.1 Inches.

Test conducted by D. Dunn, M. Cofield, W. Mosteller, C. Harris, Z. Jones, R. Milton, and T. Woodward.

Midville, Georgia: MG VII-VIII

Soybean Variety Performance, 2023, Irrigated, Late May planted

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
INTEGRA	XF7062	7.0	82.4	.	38	1.0	.	.
Asgrow	AG66XF2	6.6	80.5	.	39	2.0	.	.
Mixon Seed	AGS Woodruff	7.8	78.0	.	37	3.4	.	.
GSDC	Cook (Public)	8.0	77.2	.	39	4.0	.	.
Pioneer	P70A62E	7.0	76.1	.	36	4.6	.	.
Dyna-Gro	S72XT80	7.2	73.5	.	39	2.0	.	.
UGA	G17-5173R2	7.0	73.5	.	32	1.7	.	.
DONMARIO SEEDS	DM69E83S	6.9	73.4	.	35	3.9	.	.
Mixon Seed	AGS 738RR	7.3	73.2	.	33	3.1	.	.
UGA	G21-245R2X	8.0	72.9	.	37	2.7	.	.
Southern Harvest	SH 7024 E3	7.0	72.8	.	34	1.6	.	.
Dyna-Gro	S71XF93	7.1	72.8	.	37	2.7	.	.
Revere	6927XF	6.9	72.5	.	35	2.3	.	.
UGA	G17-11315	7.0	72.3	.	40	4.0	.	.
INTEGRA	XF7223	7.2	71.7	.	35	2.3	.	.
NC Foundation	N8002	8.0	71.6	.	35	4.4	.	.
UGA	G21-230R2X	7.0	71.5	.	41	3.7	.	.
UGA	G21-209E3	7.0	70.3	.	37	3.4	.	.
Perdue	P70GO21	7.0	70.0	.	38	2.0	.	.
Revere	6016XFS	6.0	68.6	.	34	1.3	.	.
NC Foundation	N7003CN	7.0	68.3	.	35	4.0	.	.
Armor	71-F12	7.1	66.3	.	37	2.1	.	.
INTEGRA	EXP6.92XFS	6.9	65.8	.	35	1.7	.	.
Average			72.7	-	36	2.7	-	-
LSD at 10% Level			2.7	-	2	0.6	-	-
Model R-square			0.89	-	0.65	0.92	-	-
C.V.			3.5	-	5.8	19.5	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 30, 2023.
Harvested: November 8, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Dothan loamy sand.
Soil Test: 51 lb P₂O₅, 160 lb K₂O/acre, and pH = 6.3.
Preplant Fertilizer: 52 lb P₂O₅, 90 lb K₂O/acre.
Previous Crop: Cotton.
Management: Conventional tillage.
Herbicides: Warrant, Storm, Dual, Reflex.
Fungicide: Tebuconazole.
Insecticide: Prevathon, Dimilin, and Bifenthrin.
Irrigation: 8.6 Inches.

Test conducted by D. Dunn, M. Cofield, W. Mosteller, C. Harris, Z. Jones, R. Milton, and T. Woodward.

Plains, Georgia: MG V Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
NK Brand	NK54-J9XFS	5.4	73.4	.	35	2.0	.	.
Progeny	P 5441XF	5.4	70.0	.	34	2.0	.	.
INTEGRA	XF5834S	5.8	68.4	.	26	2.0	.	.
Dyna-Gro	S58XF24	5.8	67.7	.	26	1.7	.	.
Revere	5735XFS	5.7	66.5	.	23	1.3	.	.
NK Brand	NK56-Z6XFS	5.6	65.9	.	21	1.0	.	.
Progeny	P 5751XF	5.7	65.5	.	23	1.7	.	.
Progeny	P 5641XF	5.6	64.2	.	29	1.0	.	.
Inn victis	A5003XF	5.0	62.2	.	28	1.0	.	.
NK Brand	NK52D6-E3	5.2	59.3	.	32	1.3	.	.
Pioneer	P56A71E	5.6	59.0	.	24	1.3	.	.
Progeny	P 5554RX	5.5	58.9	.	25	1.7	.	.
NK Brand	NK52-V1XF	5.2	55.1	.	31	1.7	.	.
Progeny	P 5056XFS	5.0	54.5	.	35	2.0	.	.
Revere	6016XFS	6.0	53.9	.	23	2.0	.	.
Revere	5029XF	5.0	52.2	.	34	2.0	.	.
Mixon Seed	AGS 52G20	5.2	50.7	.	25	2.7	.	.
Average			61.2	-	28	1.7	-	-
LSD at 10% Level			7.2	-	2	0.5	-	-
Model R-square			0.82	-	0.94	0.66	-	-
C.V.			10.8	-	8.2	25.1	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 31, 2023
Harvested: November 9, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Greenville sandy clay loam.
Soil Test: 58 lb P₂O₅, 187 lb K₂O/acre, and pH = 5.9.
Preplant Fertilizer: 15 lb N, 40 lb P₂O₅, 60 lb K₂O/acre.
Previous Crop: Corn.
Tillage: Conventional.
Herbicide: Prowl, Valor, Select, and Dual Magnum.
Fungicide: None.
Insecticide: Dimilin and Bifenthrin.
Irrigation:

Test conducted by D. Dunn, M. Cofield, W. Mosteller, W. Jones, and D. Pearce.

Plains, Georgia: MG VI Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
DONMARIO SEEDS	DM69E83S	6.9	60.3	.	32	4.0	.	.
UGA	G18-3051RR2	6.0	59.1	.	26	1.7	.	.
Mixon Seed	AGS V5422	5.4	58.3	.	37	3.0	.	.
Armor	62-D60	6.2	58.0	.	24	2.0	.	.
Pioneer	P68A41BE	6.8	57.1	.	25	2.7	.	.
Dyna-Gro	S58XF24	5.8	56.7	.	23	1.3	.	.
Southern Harvest	SH 6823 E3	6.8	56.3	.	30	4.2	.	.
Revere	6927XF	6.9	54.1	.	24	2.0	.	.
USG	7633XF	6.3	54.1	.	22	2.0	.	.
NK Brand	NK67-P1XFS	6.7	51.4	.	20	1.7	.	.
Asgrow	AG66XF2	6.6	50.3	.	22	3.0	.	.
UGA	G16-8779	6.0	50.2	.	26	1.7	.	.
INTEGRA	XF6772S	6.7	49.4	.	23	2.0	.	.
Southern Harvest	SH 6524 E3	6.5	49.2	.	22	2.0	.	.
Armor	69-F29	6.9	48.5	.	21	1.3	.	.
Progeny	P 6685XFS	6.6	47.4	.	28	1.7	.	.
Revere	6016XFS	6.0	45.7	.	24	2.0	.	.
INTEGRA	XF6984	6.9	44.7	.	21	1.3	.	.
Southern Harvest	SH 6323 E3	6.3	43.5	.	29	2.0	.	.
Armor	59-F21	5.9	43.1	.	22	2.3	.	.
Revere	6835XF	6.8	42.1	.	20	2.0	.	.
Progeny	P 6461RX	6.4	41.9	.	23	2.0	.	.
NK Brand	NK72-B2XF	7.2	40.3	.	27	2.0	.	.
Perdue	P60GO21	6.0	36.3	.	24	1.7	.	.
NC Foundation	NC-Dunphy	6.0	36.1	.	20	1.0	.	.
Average			49.3	-	25	2.2	-	-
LSD at 10% Level			6.9	-	3	0.5	-	-
Model R-square			0.94	-	0.96	0.80	-	-
C.V.			12.9	-	10.4	23.4	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 31, 2023
Harvested: November 9, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Greenville sandy clay loam.
Soil Test: 58 lb P₂O₅, 187 lb K₂O/acre, and pH = 5.9.
Preplant Fertilizer: 15 lb N, 40 lb P₂O₅, 60 lb K₂O/acre.
Previous Crop: Corn.
Tillage: Conventional.
Herbicide: Prowl, Valor, Select, and Dual Magnum.
Fungicide: None.
Insecticide: Dimilin and Bifenthrin.
Irrigation:

Test conducted by D. Dunn, M. Cofield, W. Mosteller, W. Jones, and D. Pearce.

Plains, Georgia: MG VII-VIII Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
NC Foundation	N8002	8.0	75.7	.	25	2.0	.	.
Pioneer	P70A62E	7.0	68.3	.	31	2.7	.	.
NC Foundation	N7003CN	7.0	67.0	.	24	2.0	.	.
INTEGRA	XF7223	7.2	66.7	.	22	2.3	.	.
Armor	71-F12	7.1	63.9	.	23	3.0	.	.
Asgrow	AG66XF2	6.6	63.8	.	23	2.7	.	.
INTEGRA	XF7062	7.0	63.4	.	19	2.0	.	.
UGA	G21-209E3	7.0	62.5	.	24	2.0	.	.
DONMARIO SEEDS	DM69E83S	6.9	62.0	.	28	4.0	.	.
Dyna-Gro	S72XT80	7.2	60.6	.	24	3.0	.	.
Mixon Seed	AGS Woodruff	7.8	60.3	.	21	2.3	.	.
GSDC	Cook (Public)	8.0	60.2	.	32	2.3	.	.
Southern Harvest	SH 7024 E3	7.0	60.0	.	23	1.7	.	.
Revere	6927XF	6.9	59.7	.	23	3.0	.	.
Dyna-Gro	S71XF93	7.1	59.6	.	21	3.0	.	.
UGA	G21-230R2X	7.0	59.4	.	23	2.3	.	.
Mixon Seed	AGS 738RR	7.3	59.4	.	23	1.3	.	.
UGA	G17-11315	7.0	58.4	.	22	2.3	.	.
Revere	6016XFS	6.0	57.4	.	24	2.3	.	.
UGA	G21-245R2X	8.0	56.7	.	21	1.7	.	.
INTEGRA	EXP6.92XFS	6.9	55.5	.	19	2.3	.	.
Perdue	P70GO21	7.0	52.8	.	21	2.3	.	.
UGA	G17-5173R2	7.0	51.3	.	20	2.0	.	.
Average			61.0	-	23	2.4	-	-
LSD at 10% Level			6.7	-	3	0.6	-	-
Model R-square			0.98	-	0.73	0.67	-	-
C.V.			10.3	-	10.3	21.7	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 31, 2023
Harvested: November 9, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Greenville sandy clay loam.
Soil Test: 58 lb P₂O₅, 187 lb K₂O/acre, and pH = 5.9.
Preplant Fertilizer: 15 lb N, 40 lb P₂O₅, 60 lb K₂O/acre.
Previous Crop: Corn.
Tillage: Conventional.
Herbicide: Prowl, Valor, Select, and Dual Magnum.
Fungicide: None.
Insecticide: Dimilin and Bifenthrin.
Irrigation:

Test conducted by D. Dunn, M. Cofield, W. Mosteller, W. Jones, and D. Pearce.

Plains, Georgia: MG VII-VIII

Soybean Variety Performance, 2023, Irrigated, June-planted

Company or Brand Name	Variety	Maturity	Yield bu/acre	Maturity ¹ date	Plant Height in	Lodging ² rating	Seed Size no./lb	Seed Quality ³ rating
Asgrow	AG66XF2	6.6	63.5	.	31	2.7	.	.
Southern Harvest	SH 7024 E3	7.0	63.1	.	31	3.0	.	.
UGA	G21-245R2X	8.0	61.3	.	32	2.3	.	.
NC Foundation	N8002	8.0	60.1	.	36	4.0	.	.
DONMARIO SEEDS	DM69E83S	6.9	59.8	.	37	4.0	.	.
Armor	71-F12	7.1	58.4	.	31	3.0	.	.
Pioneer	P70A62E	7.0	57.8	.	41	4.0	.	.
Mixon Seed	AGS Woodruff	7.8	57.2	.	33	2.7	.	.
Perdue	P70GO21	7.0	56.9	.	34	2.7	.	.
Revere	6927XF	6.9	56.8	.	32	2.7	.	.
Mixon Seed	AGS 738RR	7.3	56.6	.	31	2.3	.	.
UGA	G21-230R2X	7.0	56.6	.	37	4.0	.	.
INTEGRA	XF7062	7.0	55.8	.	29	2.0	.	.
Dyna-Gro	S72XT80	7.2	55.7	.	33	2.3	.	.
NC Foundation	N7003CN	7.0	55.5	.	33	3.7	.	.
Revere	6016XFS	6.0	54.4	.	31	2.7	.	.
INTEGRA	XF7223	7.2	54.4	.	30	2.0	.	.
Dyna-Gro	S71XF93	7.1	53.5	.	31	2.0	.	.
UGA	G17-5173R2	7.0	51.8	.	27	2.0	.	.
UGA	G21-209E3	7.0	50.8	.	31	2.0	.	.
UGA	G17-11315	7.0	50.3	.	35	2.7	.	.
INTEGRA	EXP6.92XFS	6.9	46.7	.	29	2.3	.	.
GSDC	Cook (Public)	8.0	46.7	.	33	3.3	.	.
Average			55.7	-	33	2.8	-	-
LSD at 10% Level			4.5	-	2	0.4	-	-
Model R-square			0.82	-	0.74	0.82	-	-
C.V.			7.5	-	6.9	14.4	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: June 28, 2023
Harvested: November 9, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Greenville sandy clay loam.
Soil Test: 58 lb P₂O₅, 187 lb K₂O/acre, and pH = 5.9.
Preplant Fertilizer: 15 lb N, 40 lb P₂O₅, 60 lb K₂O/acre.
Previous Crop: Corn.
Tillage: Conventional.
Herbicide: Prowl, Valor, Select, and Dual Magnum.
Fungicide: None.
Insecticide: Dimilin and Bifenthrin.
Irrigation:

Test conducted by D. Dunn, M. Cofield, W. Mosteller, W. Jones, and D. Pearce.

Tifton, Georgia: MG V Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield bu/acre	Maturity ¹ date	Plant Height in	Lodging ² rating	Seed Size no./lb	Seed Quality ³ rating
NK Brand	NK54-J9XFS	5.4	71.4	10/07	35	2.3	.	.
NK Brand	NK56-Z6XFS	5.6	66.5	10/06	20	1.0	.	.
Progeny	P 5441XF	5.4	64.9	10/05	32	3.3	.	.
Revere	5735XFS	5.7	64.5	10/09	25	1.0	.	.
Progeny	P 5554RX	5.5	64.4	10/02	25	1.4	.	.
NK Brand	NK52D6-E3	5.2	64.1	10/04	29	1.6	.	.
Progeny	P 5751XF	5.7	64.1	10/10	25	1.0	.	.
INTEGRA	XF5834S	5.8	63.6	10/09	25	1.1	.	.
Dyna-Gro	S58XF24	5.8	63.2	10/10	27	1.0	.	.
Innvictis	A5003XF	5.0	63.2	10/04	27	1.0	.	.
Revere	5029XF	5.0	60.8	10/03	28	1.4	.	.
Pioneer	P56A71E	5.6	59.8	10/02	25	1.0	.	.
Progeny	P 5641XF	5.6	58.9	10/06	33	1.3	.	.
Revere	6016XFS	6.0	56.1	10/08	26	1.0	.	.
NK Brand	NK52-V1XF	5.2	55.6	10/05	29	1.7	.	.
Progeny	P 5056XFS	5.0	55.5	10/04	29	1.7	.	.
Mixon Seed	AGS 52G20	5.2	53.1	10/01	31	1.6	.	.
Average			61.4	10/05	28	1.4	-	-
LSD at 10% Level			6.2	-	3	0.5	-	-
Model R-square			0.97	-	0.96	0.87	-	-
C.V.			9.4	-	9.3	34.1	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 18, 2023.
Harvested: October 24, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Tifton loamy sand.
Previous Crop: Corn.
Soil Test: 96 lb P₂O₅, 161 lb K₂O, and pH = 6.6.
Preplant Fertilizer: 0 lb P₂O₅, 110 lb K₂O/acre.
Tillage: Conventional.
Herbicides: Warrant, Select, Basagran, and Blazer.
Irrigation: 7 inches.

Test conducted by M. Cofield, D. Dunn, and W. Mosteller.

Tifton, Georgia: MG VI Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield	Maturity ¹	Plant Height	Lodging ²	Seed Size	Seed Quality ³
			bu/acre	date	in	rating	no./lb	rating
Revere	6927XF	6.9	70.4	.	26	1.3	.	.
Armor	62-D60	6.2	64.0	.	23	1.0	.	.
Asgrow	AG66XF2	6.6	62.3	.	20	1.0	.	.
INTEGRA	XF6772S	6.7	61.1	.	22	1.0	.	.
Progeny	P 6685XFS	6.6	61.0	.	21	1.0	.	.
Revere	6016XFS	6.0	60.6	.	24	1.1	.	.
Perdue	P60GO21	6.0	60.0	.	24	1.0	.	.
NK Brand	NK67-P1XFS	6.7	59.7	.	21	1.0	.	.
Southern Harvest	SH 6823 E3	6.8	58.9	.	22	1.2	.	.
Mixon Seed	AGS V5422	5.4	58.1	.	42	3.7	.	.
Dyna-Gro	S58XF24	5.8	58.0	.	22	1.0	.	.
Revere	6835XF	6.8	57.3	.	24	1.0	.	.
NC Foundation	NC-Dunphy	6.0	57.2	.	18	1.0	.	.
NK Brand	NK72-B2XF	7.2	56.5	.	25	1.3	.	.
Southern Harvest	SH 6524 E3	6.5	56.3	.	26	1.3	.	.
Progeny	P 6461RX	6.4	55.5	.	20	1.0	.	.
Pioneer	P68A41BE	6.8	55.5	.	22	1.0	.	.
DONMARIO SEEDS	DM69E83S	6.9	55.4	.	24	1.7	.	.
Southern Harvest	SH 6323 E3	6.3	55.0	.	27	1.4	.	.
INTEGRA	XF6984	6.9	54.3	.	24	0.9	.	.
UGA	G18-3051RR2	6.0	53.9	.	18	1.0	.	.
UGA	G16-8779	6.0	53.0	.	19	1.0	.	.
Armor	69-F29	6.9	52.0	.	20	1.0	.	.
Armor	59-F21	5.9	50.6	.	23	1.0	.	.
USG	7633XF	6.3	49.2	.	22	1.0	.	.
Average			57.7		23	1.2	-	-
LSD at 10% Level			5.5	-	3	0.3	-	-
Model R-square			0.73	-	0.89	0.95	-	-
C.V.			8.9	-	10.4	25.9	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 18, 2023.
Harvested: October 24, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Tifton loamy sand.
Previous Crop: Corn.
Soil Test: 82 lb P₂O₅, 152 lb K₂O, and pH = 6.0.
Preplant Fertilizer: 0 lb P₂O₅, 110 lb K₂O/acre.
Tillage: Conventional.
Herbicides: Warrant, Select, Basagran, and Blazer.
Irrigation: 7 inches.

Test conducted by M. Cofield, D. Dunn, and W. Mosteller.

Tifton, Georgia: MG VII-VIII Soybean Variety Performance, 2023, Irrigated

Company or Brand Name	Variety	Maturity	Yield bu/acre	Maturity ¹ date	Plant Height in	Lodging ² rating	Seed Size no./lb	Seed Quality ³ rating
Pioneer	P70A62E	7.0	77.1	10/17	26	2.3	.	.
Dyna-Gro	S71XF93	7.1	73.1	10/23	25	1.0	.	.
INTEGRA	XF7223	7.2	72.8	10/21	24	1.3	.	.
Armor	71-F12	7.1	72.2	10/22	26	1.3	.	.
Revere	6927XF	6.9	71.8	10/23	24	2.0	.	.
Mixon Seed	AGS Woodruff	7.8	70.9	10/23	25	1.7	.	.
UGA	G17-11315	7.0	70.7	10/09	25	1.3	.	.
UGA	G21-230R2X	7.0	70.5	10/18	25	1.0	.	.
UGA	G17-5173R2	7.0	68.7	10/10	26	1.3	.	.
NC Foundation	N8002	8.0	68.3	10/23	25	1.3	.	.
Mixon Seed	AGS 738RR	7.3	67.4	10/10	25	1.7	.	.
UGA	G21-209E3	7.0	66.4	10/20	22	1.3	.	.
Perdue	P70GO21	7.0	66.4	10/15	25	1.0	.	.
Asgrow	AG66XF2	6.6	64.8	10/14	26	1.3	.	.
Revere	6016XFS	6.0	63.5	10/04	24	1.0	.	.
UGA	G21-245R2X	8.0	63.5	10/20	21	1.0	.	.
DONMARIO SEEDS	DM69E83S	6.9	61.3	10/12	25	1.7	.	.
INTEGRA	XF7062	7.0	61.0	10/19	20	1.0	.	.
Southern Harvest	SH 7024 E3	7.0	57.6	10/17	23	1.0	.	.
Dyna-Gro	S72XT80	7.2	55.4	10/17	22	1.0	.	.
GSDC	Cook (Public)	8.0	54.8	10/23	27	3.3	.	.
NC Foundation	N7003CN	7.0	54.7	10/17	22	1.3	.	.
INTEGRA	EXP6.92XFS	6.9	54.1	10/14	20	1.0	.	.
Average			65.4	-	24	1.4	-	-
LSD at 10% Level			5.7	-	NS	0.5	-	-
Model R-square			0.99	-	0.79	0.64	-	-
C.V.			8.1	-	12.1	36.6	-	-

1. Maturity date indicates when 95% of pods are dried.
2. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).

Planted: May 18, 2023.
Harvested: October 24, 2023.
Seeding Rate: 140,000 seeds per acre in 36" rows.
Soil Type: Tifton loamy sand.
Previous Crop: Corn.
Soil Test: 82 lb P₂O₅, 152 lb K₂O, and pH = 6.0.
Preplant Fertilizer: 0 lb P₂O₅, 110 lb K₂O/acre.
Tillage: Conventional.
Herbicides: Warrant, Select, Basagran, and Blazer.
Irrigation: 7 inches.

Test conducted by M. Cofield, D. Dunn, and W. Mosteller.

Attapulgis, Georgia: Ultra-Late Planted Soybean Variety Performance, 2023 Irrigated

Company or Brand Name	Variety	Maturity	Yield			Plant Height in	Lodging ¹ rating
			2023 bu/acre	2022 date	2021 in		
Mixon Seed	AGS 6777C	6.7	30.7	.	.	20	1.0
Armor	71-F12	7.1	30.6	.	.	16	1.0
DONMARIO SEEDS	DM 69E83S	6.9	30.5	6.5	.	19	1.0
NK Brand	NK54-J9XFS	5.4	29.7	.	.	16	1.0
INTEGRA	XF7223 @225k	7.2	28.0	13.6	.	16	1.0
NK Brand	NK52-V1XF	5.2	26.7	.	.	20	1.0
Southern Harvest	SH 7024 E3	7.0	26.5	.	.	16	1.0
NK Brand	NK56-Z6XFS	5.6	26.0	.	.	16	1.0
INTEGRA	54660NS	4.6	25.7	.	.	18	1.0
Southern Harvest	SH 6323 E3	6.3	25.6	4.9	.	18	1.0
INTEGRA	XF7223	7.2	25.5	.	.	18	1.0
Mixon Seed	AGS 6777C @225k	6.7	25.3	4.0	48.9	19	1.0
Dyna-Gro	S58XF24	5.8	25.0	.	.	15	1.0
Pioneer	P68A41BE	6.8	24.8	2.9	.	17	1.0
Dyna-Gro	S71XF93	7.1	24.7	.	.	16	1.0
NC Foundation	N7003CN	7.0	24.0	.	.	16	1.0
NK Brand	NK67-P1XFS	6.7	23.8	.	.	16	1.0
Pioneer	P56A71E	5.6	23.8	3.1	.	20	1.0
Dyna-Gro	S72XT80	7.2	23.0	.	.	14	1.0
NC Foundation	NC-Dunphy	6.0	22.7	.	.	16	1.0
Mixon Seed	AGS V5422	5.4	22.2	.	.	19	1.0
Revere	6835XF	6.8	21.6	.	.	18	1.0
Progeny	P 5554RX	5.5	21.4	.	.	17	1.0
Revere	6016XFS	6.0	21.3	4.2	.	17	1.0
Progeny	P 5641XF	5.6	20.7	.	.	16	1.0
Southern Harvest	SH 6524 E3	6.5	20.6	.	.	17	1.0
Armor	62-D60	6.2	20.6	.	.	16	1.0
Mixon Seed	AGS V5422 @225k	5.4	20.5	9.2	.	19	1.0
Progeny	P 5441XF	5.4	20.2	.	.	18	1.0
Armor	69-F29	6.9	19.8	.	.	17	1.0
INTEGRA	XF7062	7.0	18.9	.	.	15	1.0
Progeny	P 5751XF	5.7	18.2	.	.	14	1.0
NK Brand	NK72-B2XF	7.2	18.0	3.7	.	16	1.0
INTEGRA	XF7062 @225k	7.0	17.9	4.6	.	14	1.0
NC Foundation	N8002	8.0	17.9	.	.	15	1.0
Innictis	A5003XF	5.0	17.9	.	.	18	1.0
Progeny	P 6461RX @225k	6.4	17.6	7.4	.	15	1.0
Revere	5735XFS	5.7	17.2	.	.	15	1.0
INTEGRA	XF5834S	5.8	15.3	.	.	14	1.0
Pioneer	P70A62E	7.0	14.0	.	.	20	1.0
Asgrow	AG66XF2	6.6	12.2	3.3	.	13	1.0
Progeny	P 6461RX	6.4	10.0	.	.	14	1.0
Average			22.0	5.9	38.5	16.7	1.0
LSD at 10% Level			3.2	2.2	10.3	2.1	NS
Model R-square			0.99	1.0	0.9	0.99	-
C.V.			11.2	28.0	20.4	9.6	-

Note: 2021 and 2022 yields are from Camilla, Georgia.

1. Lodging rating: 1 (all plants erect) to 5 (over 80% of plants down).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

"NS" indicates differences are statistically non-significant ($p = 0.10$ probability level).

Planted: August 2, 2023.
Harvested: November 29, 2023.
Seeding Rate: 250,000 seeds per acre in 7" rows, except varieties noted as receiving 225,000 seeds.
Soil Type: Dothan sandy loam.
Previous Crop: Fallow.
Soil Test: 132 lb P_2O_5 , 126 lb K_2O , and pH = 6.6.
Preplant Fertilizer: 15 lb N, 45 lb P_2O_5 , 90 lb K_2O /acre.
Tillage: Conventional.
Herbicides: Arrow 2EC, Prowl, and Valor.
Irrigation: 8.1 inches.

Test conducted by M. Cofield, D. Dunn, W. Mosteller, L. Hitson, W. Darley, J. Miller, S. Clark, and T. Adkins.

Greenhouse Ratings for Resistance to Three Species of Root-Knot Nematode and Two Soybean Cyst Nematode HG types, 2023

Company or Brand Name	Variety	Root-knot nematode			Soybean cyst nematode	
		Southern ¹	Peanut ²	Javanese ³	Race 3 (HG 0-) ⁴	Race 2 (HG 1.2-) ⁵
Armor	59-F21	2.5	4.0	5.0	MR	5
Armor	62-D60	3.5	5.0	5.0	5	5
Armor	69-F29	3.0	5.0	5.0	1	5
Armor	71-F12	2.5	5.0	5.0	5	5
Asgrow	AG40XF4	4.0	3.0	4.8	1	5
Asgrow	AG42XF4	1.0	1.7	1.0	1	1
Asgrow	AG44XF4	1.0	1.3	1.0	1	1
Asgrow	AG47XF4	5.0	3.3	4.5	1	5
Asgrow	AG66XF2	1.0	4.5	5.0	5	5
DONMARIO SEEDS	DM69E83S	3.0	5.0	5.0	5	5
Dyna-Gro	S58XF24	2.0	4.0	2.8	1	5
Dyna-Gro	S71XF93	1.8	5.0	5.0	5	5
Dyna-Gro	S72XT80	1.0	3.3	3.5	1	5
GSDC	Cook (Public)	2.8	5.0	5.0	5	5
Innvictis	A4862XF	5.0	4.5	4.3	1	5
Innvictis	A5003XF	5.0	4.8	4.3	1	5
INTEGRA	54660NS	5.0	4.0	4.5	1	5
INTEGRA	XF5834S	2.0	2.5	4.0	1	5
INTEGRA	XF6772S	2.8	4.8	5.0	5	5
INTEGRA	XF6984	2.5	5.0	4.8	1	5
INTEGRA	XF7062	1.0	4.8	5.0	5	5
INTEGRA	XF7223	1.8	4.8	5.0	5	5
Mixon Seed	AGS 52G20	1.8	3.5	2.3	1	5
Mixon Seed	AGS 738RR	1.8	5.0	4.8	1	5
Mixon Seed	AGS V5422	4.5	3.8	4.5	5	5
Mixon Seed	AGS Woodruff	1.3	5.0	5.0	1	5
NC Foundation	N7003CN	2.0	4.5	4.8	1	MR
NC Foundation	N8002	4.5	5.0	5.0	5	5
NC Foundation	NC-Dunphy	4.5	5.0	5.0	5	5
NK Brand	NK72-B2XF	1.8	4.3	4.3	1	5
NK Brand	NK52D6-E3	4.3	5.0	5.0	1	5
NK Brand	NK52-V1XF	3.8	4.5	5.0	3	5
NK Brand	NK54-J9XFS	5.0	4.8	4.8	1	5
NK Brand	NK56-Z6XFS	2.5	5.0	5.0	2	5
NK Brand	NK67-P1XFS	4.0	4.5	5.0	1	5
Perdue	P60GO21	1.0	4.5	2.3	MR	5
Perdue	P70GO21	4.5	4.0	2.3	1	5
Pioneer	P48A14E	5.0	4.5	4.8	1	5
Pioneer	P56A71E	1.0	4.3	4.5	1	5
Pioneer	P68A41BE	1.0	5.0	4.5	5	5
Pioneer	P70A62E	1.5	5.0	4.8	5	5
Progeny	P 4604XFS	5.0	4.3	4.5	1	5
Progeny	P 4691XFS	5.0	3.8	4.3	1	5
Progeny	P 4798XF	5.0	5.0	5.0	1	5
Progeny	P 4806XFS	4.3	5.0	5.0	2	5
Progeny	P 5056XFS	5.0	2.3	2.8	1	5
Progeny	P 5441XF	5.0	3.8	4.3	5	5
Progeny	P 5554RX	1.5	4.5	4.8	1	5
Progeny	P 5641XF	5.0	5.0	4.5	MR	5
Progeny	P 5751XF	2.3	3.8	4.8	2	5
Progeny	P 6461RX	1.0	5.0	5.0	MR	5
Progeny	P 6685XFS	1.5	4.5	5.0	5	5

Greenhouse Ratings for Resistance to Three Species of Root-Knot Nematode and Two Soybean Cyst Nematode HG types, 2023 (Continued)

Company or Brand Name	Variety	Root-knot nematode			Soybean cyst nematode	
		Southern ¹	Peanut ²	Javanese ³	Race 3 (HG 0-) ⁴	Race 2 (HG 1.2-) ⁵
Revere	4826XFS	5.0	4.0	5.0	2	5
Revere	5029XF	5.0	1.5	3.5	1	5
Revere	5735XFS	2.8	2.8	4.8	1	5
Revere	6016XFS	1.3	1.0	2.3	5	5
Revere	6835XF	2.0	4.5	5.0	1	5
Revere	6927XF	1.8	1.5	1.8	5	5
Southern Harvest	SH 6323 E3	2.0	5.0	5.0	1	5
Southern Harvest	SH 6524 E3	1.0	5.0	5.0	1	5
Southern Harvest	SH 6823 E3	1.3	5.0	5.0	5	5
Southern Harvest	SH 7024 E3	3.8	5.0	5.0	1	5
UGA	G16-8779	3.5	4.0	4.8	2	5
UGA	G17-11315	2.3	3.5	4.0	5	5
UGA	G17-5173R2	2.8	3.3	5.0	3	5
UGA	G18-3051RR2	2.8	4.3	5.0	1	5
UGA	G21-209E3	2.3	3.0	4.0	MR	5
UGA	G21-230R2X	2.3	1.8	2.8	1	5
UGA	G21-245R2X	1.8	1.8	4.5	1	5
USG	7633XF	5.0	5.0	4.5	2	5

¹*Meloidogyne incognita*; Gall index (GI) was calculated (mean percentage of galls on test line/mean percentage of galls on the susceptible check x 100). Rating scale of 1-5. 1 = <10% GI; 2=11-20%, 3=21-30%, 4=31-40%, 5 = >40% GI.

²*Meloidogyne arenaria*; Gall index (GI) was calculated (mean percentage of galls on test line/mean percentage of galls on the susceptible check x 100). Rating scale of 1-5. 1 = <10% GI; 2=11-20%, 3=21-30%, 4=31-40%, 5 = >40% GI.

³*Meloidogyne javanica*; Gall index (GI) was calculated (mean percentage of galls on test line/mean percentage of galls on the susceptible check x 100). Rating scale of 1-5. 1 = <10% GI; 2=11-20%, 3=21-30%, 4=31-40%, 5 = >40% GI.

⁴*Heterodera glycines* HG type 0 (Race 3); Female index (FI) was calculated (mean number of females on indicator or test line/mean number of females on susceptible check x 100). Female indices on the Race/HG type test indicator lines were: Pickett=4% (-), Peking=2% (-), PI 88788=3% (-), PI 90763=0% (-), PI 437654=0% (-); Rating scale of 1-5. 1 = <10% FI; 2=11-20%, 3=21-30%, 4=31-40%, 5 = >40% FI.

⁵*Heterodera glycines* HG type 1.2- (Race 2); Female index (FI) was calculated (mean number of females on indicator or test line/mean number of females on susceptible check x 100). Female indices on the Race/HG type test indicator lines were: Pickett=63% (+), Peking=14% (+), PI 88788=70% (+), PI 90763=0% (-), PI 437654=0% (-); Rating scale of 1-5. 1 = <10% FI; 2=11-20%, 3=21-30%, 4=31-40%, 5 = >40% FI.

MR= Mixed reaction across replicates

Ratings provided by D. Kemp, M.G. Mitchum, and Z. Li

Cooperators

Mr. A. Black, Southeast Research & Education Center, Midville, Georgia
Mr. E. Elsner, J. Phil Campbell Sr. Research & Education Center, Watkinsville, Georgia
Mr. J. Gassett, Field Research Services, UGA-Griffin, Griffin, Georgia
Ms. K. Hammond, Northwest Research & Education Center, Calhoun, Georgia
Mr. L. Hitson, Attapulgus Research & Education Center, Attapulgus, Georgia
Dr. P. Knox, Crop and Soil Sciences Department, Athens, Georgia
Mr. S. Rogers, Southwest Research & Education Center, Plains, Georgia
Mr. E. T. Ross, Field Research Services, UGA-Tifton, Tifton, Georgia
Mr. C. Perry, C.M. Stripling Irrigation Research Park, Camilla, Georgia

Contributors

The following individuals contributed to conducting experiments preparation of this report:

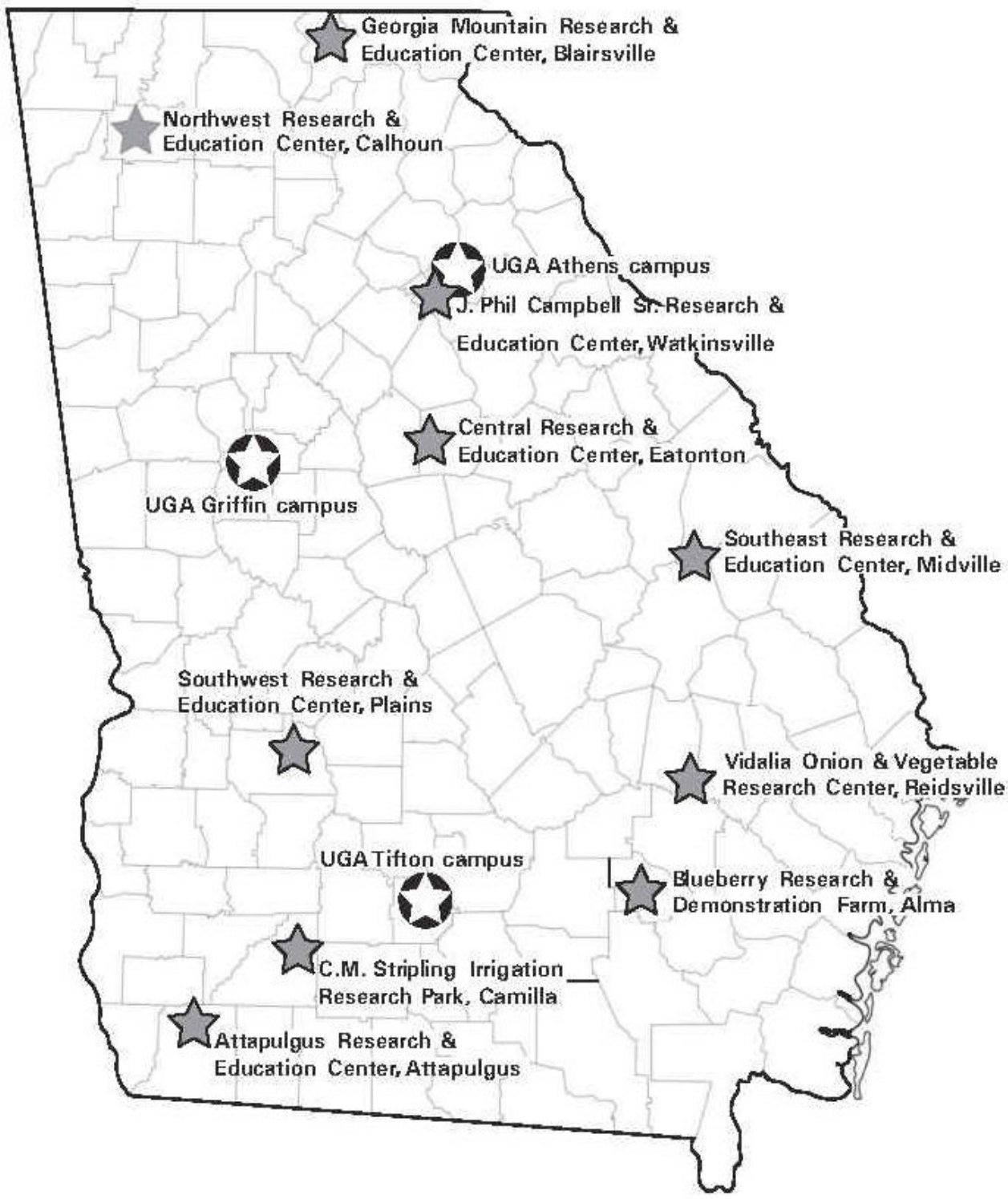
Griffin - S. Brannon, B. Byous, J. Arrington, and A. Sutton.
Midville - J. Lanier, R. Milton, and T. Woodward
Tifton - M. Cofield and W. Mosteller
Attapulgus -
Rome - M. Tucker and T. Turnquist
Plains - W. Jones and D. Pearce
Athens (Nematodes) - B. Sorg and N. D. Kemp
Athens (Field) - Z. Li and B. Little.

Authors

Dr. Daniel J. Mailhot is the director of the Statewide Variety Testing program and based at Griffin Campus.

Dustin Dunn and Gary Ware are Research Professionals managing field trials from Tifton and Griffin campuses, respectively.

Dr. Melissa G. Mitchum, Plant Pathology Department, conducts nematode resistance screenings and is based at Athens Campus.



★ CAES campus

★ Research Center

University of Georgia

Agricultural Experiment Stations

Athens, Georgia 30602

Harshavardhan Thippareddi, Associate Dean for Research

Annual Publication 103-15

Penalty for Private Use \$300

ADDRESS CORRECTION REQUESTED

swvt.uga.edu

Annual Publication

December 2023

Published by the University of Georgia in cooperation with Fort Valley State University, The U.S. Department of Agriculture, and counties in the state. For more information, contact your local UGA Cooperative Extension office.

The University of Georgia College of Agricultural and Environmental Sciences (working cooperatively with Fort Valley State University, the U.S. Department of Agriculture, and the counties of Georgia) offers its educational programs, assistance, and materials to all people without regard to race, color, religion, sex, national origin, disability, gender identity, sexual orientation or protected veteran status and is an Equal Opportunity, Affirmative Action organization.