

Statewide Yield Summary: MG IV-VIII Soybean Variety Performance, 2021

Company or Brand Name	Variety	Griffin							Statewide Average		
		Rome	Athens	Early	Late	Midville	Plains	Tifton	2021	2-Yr	3-Yr
----- bu/acre -----											
Maturity Group IV											
Asgrow	AG44XF2 XF/SR	44.4	.	37.3	27.9	.	.	44.4	39.5	.	.
Asgrow	AG47XF2 XF/SR	58.4	.	38.1	34.0	.	.	49.7	45.0	.	.
Asgrow	AG48XF2 XF	47.3	.	31.9	42.7	.	.	50.5	42.7	.	.
Dyna-Gro	S46XS60	55.1	.	39.6	44.3	.	.	50.9	48.2	.	.
Dyna-Gro	S48XT90	55.4	.	33.0	23.5	.	.	40.2	38.5	42.4	.
Local Seed	LS4606XFS	57.3	.	39.6	33.5	.	.	42.1	43.5	.	.
Local Seed	LS4805XFS	48.4	.	36.4	31.0	.	.	40.8	39.2	.	.
Local Seed	LS4806XS	62.5	.	37.2	38.9	.	.	45.9	46.1	48.0	.
MorSoy	MS 4640 XF	.	.	.	38.3
MorSoy	MS 4850 XF	46.8	.	36.4	40.1	.	.	48.5	42.9	.	.
MU	S16-5503R	58.3	.	35.7	52.8	.	.	42.0	47.2	.	.
MU	S16-5540R	56.7	.	40.2	46.7	.	.	38.8	45.6	46.2	.
Pioneer	P47A64X	50.6	.	37.4	39.7	.	.	57.9	46.4	.	.
Progeny	P 4604XFS	69.3	.	36.8	46.5	.	.	55.0	51.9	.	.
Progeny	P 4806XFS	41.1	.	35.5	40.0	.	.	46.2	40.7	.	.
Progeny	P 4821RX	50.1	.	39.8	40.0	.	.	45.6	43.9	.	.
Progeny	P 4970RX	61.3	.	36.2	34.1	.	.	31.8	40.9	.	.
Southern Harvest	SH 4820 E3	53.2	.	41.3	50.3	.	.	32.9	44.4	.	.
UniSouth	USG 7481XF	50.8	.	35.3	30.9	.	.	41.5	38.6	.	.
UniSouth	USG 7491XFS	56.5	.	38.2	33.6	.	.	47.9	44.1	.	.
VA Tech	V17-2350R	74.7	.	35.9	36.8	.	.	33.7	45.3	.	.
VA Tech	V17-2379R	57.8	.	35.2	34.6	.	.	24.6	38.1	.	.
Average		54.5	-	37.1	37.6	-	-	43.7	43.2	45.6	-
LSD at 10% Level		15.1	-	NS	13.4	-	-	8.2	7.0	4.7	-
Model R-square		0.47	-	0.22	0.49	-	-	0.71	0.41	0.68	-

Note: In addition to their unique management needs, MG 4 soybean varietal performance suggests the presence of at least three very unique growing environments in Georgia. These are the Coastal Plain, Piedmont, and North Georgia (Limestone Valley + Mountain areas). For variety selection, it would be best to choose from the test that best represents your location, and disregard the statewide average. For later maturity groups, it is typically better to focus on the statewide average.

Statewide Yield Summary: MG IV-VIII Soybean Variety Performance, 2021 (Continued)

Company or Brand Name	Variety	Rome	Athens	Griffin	Midville		Plains	Tifton	Statewide Average		
					Early	Late			2021	2-Yr	3-Yr
----- bu/acre -----											
Maturity Group V											
Local Seed	LS6206X	73.9	126.5	41.8	82.6	82.8	104.3	49.9	80.3	.	.
Asgrow	AG54XF0 XF/SR	69.5	119.5	54.7	84.0	77.7	93.0	56.4	79.3	.	.
NK Brand	S53-F7X	67.2	118.2	62.9	73.3	85.0	87.0	53.7	78.2	.	.
Pioneer	P59A11SX	75.0	113.1	52.4	76.4	76.6	102.5	50.4	78.1	.	.
Dyna-Gro	S58XT30	71.2	126.0	51.3	76.4	81.1	87.1	42.5	76.5	69.9	.
Pioneer	P55A49x	65.9	109.1	39.6	81.8	84.5	87.3	58.7	75.3	70.1	65.2
Progeny	P 5554RX	65.2	109.7	58.8	75.7	75.2	85.2	53.2	74.7	.	.
Asgrow	AG56XF2 XF	62.0	109.1	58.4	72.6	76.7	85.3	56.7	74.4	.	.
Asgrow	AG53XF2 XF/SR	62.3	102.3	66.7	74.6	77.3	83.3	53.1	74.3	.	.
MorSoy	MS 5491 XF	72.6	99.4	63.4	70.6	76.8	81.6	46.9	73.1	.	.
MorSoy	MS 5640 XF	68.3	111.9	64.0	61.6	72.0	84.1	48.9	73.0	.	.
UniSouth	USG 7571XT	65.0	112.2	53.8	76.9	79.1	82.4	53.7	72.9	68.9	.
MorSoy	MS 5461E E3	66.9	105.3	50.1	71.4	75.3	82.3	58.3	72.8	.	.
MU	S16-14801C	65.7	94.0	54.2	77.2	85.0	78.3	54.7	72.8	.	.
DonMario Seeds	DM59E01	64.6	110.0	38.9	67.9	80.4	89.9	54.0	72.2	.	.
UniSouth	USG 7562XF	78.1	113.8	55.0	71.9	72.1	81.0	43.0	71.5	.	.
VA Tech	V15-2261ST	68.9	106.5	51.3	66.1	72.0	87.6	48.2	71.5	65.5	.
Progeny	P 5424XF	63.9	104.9	46.5	72.3	84.1	82.9	45.9	71.5	.	.
Local Seed	LS5614XF	62.9	112.2	56.3	75.7	69.7	82.5	40.4	71.4	.	.
Credenz	CZ 5859LL	79.2	105.1	46.0	69.0	80.0	81.2	50.0	71.3	67.8	62.0
VA Tech	V17-2933R	77.5	94.4	51.5	71.2	62.5	82.2	57.5	71.0	.	.
Progeny	P 5003XF	69.7	99.5	64.0	65.2	75.8	69.8	48.5	70.4	.	.
Local Seed	LS5418XFS	68.7	98.9	46.8	70.7	71.0	76.7	53.0	69.4	.	.
Dyna-Gro	S56XF01	56.4	102.7	50.1	62.5	66.1	90.7	56.8	69.3	.	.
MU	S16-15170C	70.9	97.2	50.8	63.8	64.6	83.4	53.6	69.2	67.4	.
Local Seed	LS5909XFS	69.3	94.7	39.1	66.9	70.6	87.0	54.9	68.9	.	.
Local Seed	LS5119XF	59.4	101.1	70.7	58.3	67.1	67.1	55.8	68.5	.	.
VA Tech	V14-0079	58.2	102.8	57.4	69.1	59.9	78.9	50.0	68.1	.	.
NK Brand	NK57-A3XF	63.4	121.6	42.0	54.9	64.1	88.2	36.4	67.2	.	.
Credenz	CZ 5282XF	46.8	107.2	58.1	65.6	57.3	81.5	51.2	66.8	.	.
MU	S16-11651C	64.1	92.3	51.1	65.8	65.9	73.4	53.4	66.6	65.6	.
Credenz	CZ 5552XF	53.4	99.1	44.0	71.0	61.0	77.9	46.7	64.7	.	.
VA Tech	V17-0156HP	54.8	83.2	44.7	67.0	68.6	78.2	44.5	63.0	.	.
Local Seed	LS5009XS	59.7	103.4	41.5	53.2	63.5	71.3	59.3	62.6	64.0	.
VA Tech	V17-2478R	53.6	85.4	51.8	54.5	60.0	66.9	42.0	59.2	.	.
Average		65.7	105.8	51.3	70.0	72.8	83.2	51.1	71.4	67.4	63.6
LSD at 10% Level		12.8	9.5	13.5	7.8	11.1	8.2	7.4	4.7	3.3	2.3
Model R-square		0.52	0.78	0.46	0.75	0.60	0.73	0.68	0.80	0.76	0.86

Statewide Yield Summary: MG IV-VIII Soybean Variety Performance, 2021 (Continued)

Company or Brand Name	Variety	Rome	Athens	Griffin	Midville		Plains	Tifton	Statewide Average		
					Early	Late			2021	2-Yr	3-Yr
----- bu/acre -----											
Maturity Group VI											
Local Seed	LS6206X	66.5	126.9	51.3	79.5	87.7	101.2	43.8	81.0	73.5	.
Credeuz	CZ 6260LL	59.1	119.6	63.7	74.2	79.9	86.2	53.2	77.2	.	.
Pioneer	P68A07SX	70.1	119.2	54.6	68.3	76.3	86.0	43.3	74.0	.	.
Southern Harvest	SH 6515 LL/STS	69.4	119.5	51.2	70.7	73.8	81.2	41.3	73.5	67.5	62.9
Progeny	P 6811XF	67.5	129.0	47.1	69.6	79.0	93.1	23.8	73.0	.	.
MorSoy	MS 6880 XF	65.8	126.2	57.1	63.6	65.1	83.8	39.0	72.6	.	.
Asgrow	AG66XF2 XF	55.2	127.5	41.2	68.8	85.8	97.5	30.6	72.4	.	.
Mixon Seed	AGS 6777C	62.5	118.2	52.9	68.0	67.7	80.0	42.4	71.5	.	.
MorSoy	MS 6060 XF	61.6	117.3	54.8	75.4	75.6	83.1	29.0	71.4	.	.
NK Brand	NK69-Q4XF	64.4	123.0	48.6	69.2	77.4	89.1	25.7	71.1	.	.
INTEGRA	SXF10167	67.6	125.2	47.3	64.8	73.5	86.7	31.0	71.0	.	.
DonMario Seeds	DM59E01	51.9	111.8	42.5	68.4	76.7	89.1	38.1	70.6	.	.
NK Brand	NK65-M9XF	63.8	120.7	48.1	60.3	78.8	89.6	30.1	70.5	.	.
Credeuz	CZ 6515LL	62.5	116.9	45.8	65.3	72.1	84.6	36.3	70.2	.	.
Local Seed	LS6806XF	44.8	123.8	59.3	72.4	70.5	80.0	34.4	69.8	.	.
UGA	G15-1811R2	56.9	111.8	51.5	70.9	69.6	79.9	38.6	69.1	.	.
Asgrow	AG56XF2 XF	57.9	113.3	51.2	67.6	67.0	77.7	39.1	68.5	.	.
UGA	G15-1038R2	62.7	108.5	42.7	69.6	66.0	85.5	43.3	68.3	65.5	.
Dyna-Gro	S68XF41	51.1	125.0	48.5	66.6	62.8	81.4	42.7	68.3	.	.
UGA	G15PR-340	57.8	123.3	46.3	60.9	65.2	75.4	37.0	66.6	62.7	57.1
Credeuz	CZ 6362XF	56.3	107.1	45.1	63.7	61.2	83.1	41.0	66.4	.	.
Dyna-Gro	S65XF22	48.2	117.8	47.1	64.9	53.0	89.8	34.6	65.9	.	.
UGA	G16-8779	60.1	108.4	53.0	57.1	63.9	78.3	33.6	65.1	.	.
SCCIA	Musen (Public)	54.8	107.2	45.3	52.5	65.8	89.6	38.8	64.9	.	.
Average		59.8	118.6	49.5	67.2	71.4	85.5	37.1	70.5	67.3	60.0
LSD at 10% Level		12.6	10.3	8.1	7.5	7.4	6.7	11.1	4.1	2.8	2.1
Model R-square		0.53	0.60	0.61	0.71	0.78	0.71	0.52	0.91	0.88	0.91

Statewide Yield Summary: MG IV-VIII Soybean Variety Performance, 2021 (Continued)

Company or Brand Name	Variety	Athens	Griffin	Midville		Plains		Tifton	Statewide Average		
				Early	Late	Early	Late		2021	2-Yr	3-Yr
----- bu/acre -----											
Maturity Group VII and VIII											
UGA	G14-4316R2	129.7	42.6	70.3	86.4	87.2	.	38.0	75.7	.	.
Local Seed	LS6206X	133.1	47.3	73.2	83.0	88.2	.	38.1	73.9	.	.
UGA	G14-4396R2	118.9	37.1	66.1	83.8	92.5	.	35.8	72.4	65.8	61.1
Local Seed	LS7305X	132.4	38.1	63.9	86.1	80.0	.	31.6	72.0	62.6	.
Dyna-Gro	S72XT80	130.5	40.2	61.0	78.2	85.3	.	30.9	71.0	65.5	58.4
INTEGRA	77062N	123.5	43.4	64.8	78.3	84.7	.	27.8	70.4	.	.
Asgrow	AG66XF2 XF	120.9	31.1	66.9	76.3	92.2	.	34.0	70.2	.	.
Local Seed	LS7099X	128.0	38.5	57.7	73.2	80.5	.	40.3	69.7	62.5	.
Mixon Seed	AGS 738RR	118.0	38.4	64.7	71.2	85.9	.	39.4	69.6	.	.
Southern Harvest	SH 7418 LL	111.0	34.6	62.0	83.5	82.0	.	43.7	69.5	62.5	59.8
UGA	G15PRL-953	111.0	40.3	62.8	75.5	83.7	.	42.5	69.3	63.8	59.8
SCCIA	Paul (Public)	116.9	36.7	58.4	84.4	90.8	.	28.1	69.2	60.6	56.0
UGA	G15-2379R2	119.7	45.0	60.8	73.9	84.3	.	31.4	69.2	63.3	.
NK Brand	NK77-Y4X	131.6	36.5	56.3	74.8	77.2	.	38.7	69.2	.	.
UGA	G15PRL-989	115.3	40.2	69.3	67.7	81.7	.	40.2	69.1	63.8	59.7
Asgrow	AG71XF2 XF	123.3	37.9	67.5	76.8	83.2	.	33.4	68.8	.	.
Dyna-Gro	S74XT59	118.2	40.1	62.2	68.6	88.2	.	35.7	68.8	62.3	.
UGA	G17PR-1207HOLL	107.1	41.3	52.3	67.5	86.3	.	43.8	67.9	61.8	57.8
UGA	G17PR-1053HOLLR1	110.8	35.6	59.7	69.0	85.8	.	40.7	66.9	61.4	57.0
Credenz	CZ 7222XF	111.6	34.9	63.8	61.9	78.0	.	33.8	64.0	.	.
Mixon Seed	AGS Woodruff	97.9	30.0	50.1	72.9	74.2	.	48.4	62.2	57.3	.
GSDC	Cook (Public)	107.6	25.8	57.8	69.7	82.6	.	27.6	61.8	.	.
SCCIA	Cheraw (Public)	101.0	31.4	54.9	65.8	72.2	.	36.1	60.2	58.4	53.5
Average		118.1	37.7	62.2	75.2	83.8	-	36.4	68.7	62.3	58.1
LSD at 10% Level		11.3	7.4	7.5	NS	9.6	-	7.6	4.6	3.1	2.3
Model R-square		0.70	0.55	0.71	0.41	0.45	-	0.68	0.92	0.88	0.90

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

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.

Yield Summary: Ultra-Late Production Soybean Variety Performance at Camilla, 2021

Company or Brand Name	Variety	Planting date		Statewide Average		
		8-2	8-12	2021	2-Yr	3-Yr
----- bu/acre -----						
Multiple Maturity Groups						
Pioneer	95Y70	55.1	11.7	33.4	.	.
INTEGRA	77062N	52.0	7.5	29.7	.	.
Mixon Seed	AGS 6777C	50.5	17.0	33.7	.	.
MorSoy	MS 5640 XF	49.8	11.5	30.6	.	.
NK Brand	NK57-A3XF	49.1	11.7	30.4	.	.
INTEGRA	SXF10167	46.9	4.1	25.5	.	.
Local Seed	LS5614XF	46.3	7.9	27.1	.	.
SCCIA	Musen @250k	45.1	4.7	24.9	.	.
MorSoy	MS 5461E E3	44.8	12.9	28.8	.	.
Asgrow	AG56XF2 XF	43.9	11.4	27.6	.	.
NK Brand	NK65-M9XF	43.9	13.5	28.7	.	.
Credenz	CZ 5859LL	43.9	16.1	30.0	26.4	30.5
MorSoy	MS 5491 XF	43.0	16.4	29.7	.	.
NK Brand	NK69-Q4XF	42.9	12.5	27.7	.	.
SCCIA	Musen @275k	42.9	9.1	26.0	.	.
Credenz	CZ 6362XF	42.6	9.1	25.8	.	.
Asgrow	AG54XF0 XF/SR	42.2	5.3	23.7	.	.
Local Seed	LS4606XFS	40.9	16.7	28.8	.	.
MU	MO 4901D GT (Public)	40.6	5.1	22.9	23.1	.
Credenz	CZ 7570LL	40.2	10.9	25.6	25.2	.
Dyna-Gro	S46XS60	39.5	5.8	22.6	.	.
Pioneer	P68A07SX	39.5	7.3	23.4	.	.
UniSouth	USG 7562XF	38.9	6.3	22.6	.	.
MU	MO 4901D GT @275k	37.9	5.8	21.8	.	.
Asgrow	AG53XF2 XF/SR	37.9	11.5	24.7	.	.
MU	MO 4901D GT @250k	37.5	10.9	24.2	.	.
Progeny	P 5424XF	37.4	8.7	23.0	.	.
Local Seed	LS5119XF	35.8	9.7	22.8	.	.
Credenz	CZ 5282XF	35.8	9.5	22.6	.	.
Dyna-Gro	S65XF22	35.5	9.3	22.4	.	.
Progeny	P 4970RX	35.5	7.3	21.4	.	.
Credenz	CZ 5552XF	34.8	5.7	20.3	.	.
Asgrow	AG48XF2 XF	34.1	7.7	20.9	.	.
Local Seed	LS4805XFS	33.4	6.3	19.9	.	.
Dyna-Gro	S56XF01	32.5	14.4	23.4	.	.
Southern Harvest	SH 4820 E3	32.4	12.1	22.2	.	.
Local Seed	LS5418XFS	31.0	10.9	21.0	.	.
UniSouth	USG 7481XF	30.9	11.7	21.3	.	.
SCCIA	Musen (Public)	30.6	5.3	18.0	.	.
Pioneer	P59A11SX	29.4	3.8	16.6	.	.
Asgrow	AG44XF2 XF/SR	27.2	7.0	17.1	.	.
Dyna-Gro	S68XF41	26.8	6.4	16.6	.	.
UniSouth	USG 7491XFS	26.6	12.4	19.5	.	.
NK Brand	S53-F7X	26.6	4.9	15.7	.	.
MorSoy	MS 4850 XF	19.5	11.6	15.5	.	.
Average		38.5	9.5	24.0	24.9	30.5
LSD at 10% Level		13.8	NS	NS	NS	-
Model R-square		0.71	0.66	0.83	0.85	-

See notes on next page.

Note: Due to regulatory approval of the XtendFlex herbicide tolerance trait, the turnover in varieties entered in the OVT was greatly increased for 2021. As a result, very few varieties in the ultra-late tests have multi-year data. This year we tried two planting dates, optimum and late. Our objective was to determine if some varieties offer more flexibility in planting dates, in case of weather delays. We also tested higher seeding rates, 250k and 275k seeds/acre in comparison to the standard 225k for two public varieties due to their potentially lower seed costs. This increased numerical yield in Musen, but not MO 4901D. Yields in 2021 exceeded those observed from 2015-2020, most likely due to improved rainfall and lack of an early frost.