The Georgia Agricultural Experiment Stations
College of Agricultural and Environmental Sciences
University of Georgia Griffin Campus

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Georgia

2024 Soybean Performance Tests

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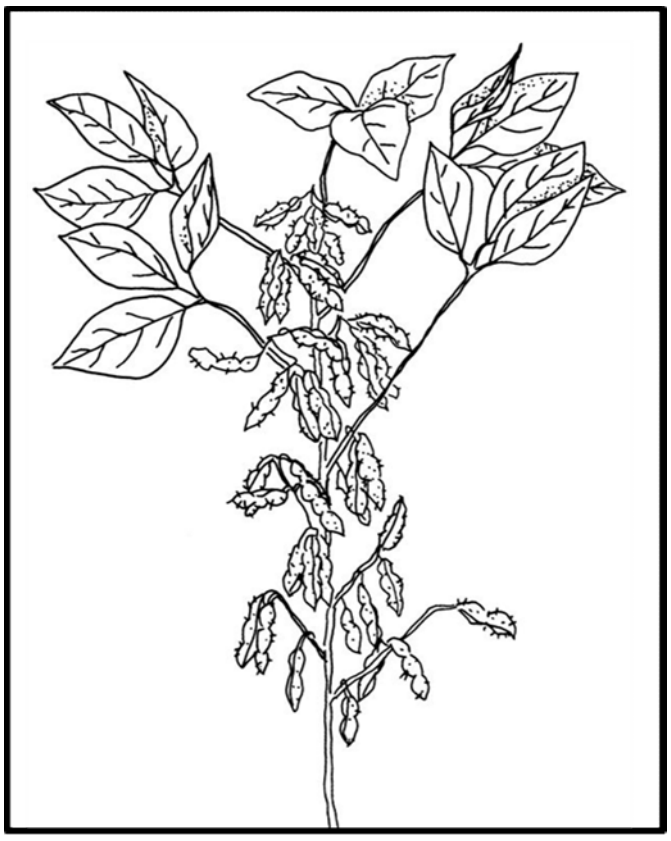

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Georgia 2024 Soybean Performance Tests

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

Statewide Yield Summary: MG IV
Soybean Variety Performance, 2024

Company or Brand Name	Variety	Maturity	Rome 115k	Rome 105k	Griffin	Tifton	Statewide Average
			bu/acre				
Progeny	P 5056XFS	5.0	**87.2**	**93.7**	**84.7**	**62.1**	**82.1**
Asgrow	AG50XF5	5.0	**87.4**	**87.3**	**81.0**	**66.3**	**79.0**
Asgrow	AG47XF5	4.7	78.6	79.9	**78.0**	59.4	76.0
Pioneer	P48A14E	4.8	82.0	84.8	**84.4**	56.2	76.0
Revere	49-F36	4.9	**91.2**	**90.0**	70.6	56.0	75.5
Progeny	P 4947XFS	4.9	85.1	**87.4**	72.8	53.6	74.9
Progeny	P 4604XFS	4.6	72.7	79.4	**84.2**	56.9	74.2
Innvictis	A4862XF	4.8	80.7	74.8	**82.6**	60.4	74.0
Integra	XF4634S	4.6	**86.2**	81.4	71.6	52.4	73.8
SEEDS	DM 48E54	4.8	77.8	78.8	**78.3**	51.5	73.1
Integra	XF4875S	4.8	85.5	81.1	73.6	56.0	72.9
Asgrow	AG48XF5	4.8	75.3	80.4	68.3	56.1	72.3
USG	7495XFS	4.9	74.0	71.9	**77.1**	**69.1**	72.2
Revere	4826XFS	4.8	75.6	78.4	73.7	54.5	71.2
Armor	49-F37	4.9	73.7	79.4	72.6	**65.6**	70.5
Integra	XF4914S	4.9	79.7	67.6	67.5	58.7	70.0
Progeny	P 4623XF	4.6	74.0	77.2	**82.3**	49.8	69.7
Revere	48-F72	4.8	78.4	77.8	**78.1**	51.3	69.4
Progeny	P 4806XFS	4.8	69.9	78.0	69.2	49.3	67.3
Progeny	P 4798XF	4.7	75.1	80.1	75.0	33.3	67.0
Progeny	P 4691XFS	4.6	76.2	66.5	61.4	52.5	63.8
Progeny	P 4848XF	4.8	62.6	62.2	56.4	44.9	55.8
Innvictis	A4814XF	4.8	75.3	72.3	**86.0**	.	.
Innvictis	A4924XF	4.9	73.7	75.3	75.1	.	.
Average			78.3	78.6	75.2	55.5	71.9
LSD at 10% Level			5.0	8.1	10.0	7.2	5.2
Model R-square			0.92	0.80	0.72	0.64	0.58
C.V.			6.0	9.7	12.5	12.2	13.7
		Planted:	4/29	4/29	4/30	4/25	
		Harvested:	10/23	10/23	10/10	10/8	

Note: Seeding rates at Rome were 115k and 105k seeds per acre, while Griffin and Tifton used 110k.
No

Statewide Yield Summary: MG V-VIII
Soybean Variety Performance, 2024

Company or Brand Name	Variety	Maturity	April-planted								Statewide
			Rome	Griffin	Athens	Griffin	Midville	Tifton	Plains	Attapulgus	Average
			bu/acre								
Maturity Group V											
Revere	53-F84	5.3	**77.9**	68.0	**70.5**	84.2	.	**83.3**	50.4	**72.2**	**72.5**
Armor	59-F21	5.9	60.5	64.5	**65.6**	80.6	.	81.9	59.9	**76.0**	**69.9**
Innvictis	A5994XF	5.9	62.4	63.2	**68.7**	79.7	.	**82.2**	**65.7**	**71.4**	**69.6**
USG	7633XF	6.3	66.1	68.2	**67.7**	66.6	.	**85.4**	58.0	**72.8**	**69.3**
Progeny	P 5751XFS	5.7	50.0	74.2	62.3	80.9	.	72.3	**67.3**	59.1	68.2
Asgrow	AG50XF5	5.0	**80.9**	55.8	**65.3**	84.5	.	75.9	45.6	66.8	68.0
Dyna-Gro	S58XF24	5.8	54.5	76.6	59.2	84.4	.	72.2	63.2	65.5	67.7
DONMARIO SEEDS	DM 53E53	5.3	**76.6**	69.7	**67.6**	61.0	.	72.2	57.2	64.0	66.4
Asgrow	AG55XF5	5.5	72.0	65.0	63.4	79.6	.	77.4	46.3	60.1	66.4
Innvictis	A5813XF	5.8	54.3	75.0	**64.5**	69.4	.	68.9	65.0	63.0	65.8
Integra	XF5834S	5.8	56.3	69.6	64.1	62.1	.	77.0	63.6	62.5	65.3
Revere	5735XFS	5.7	57.4	73.7	53.2	69.0	.	76.0	64.4	59.3	65.0
DONMARIO SEEDS	DM 59E01S	5.9	73.5	65.7	62.3	57.0	.	73.2	56.4	61.8	64.4
NK Brand	58-B8E3S	5.8	62.2	65.4	57.4	71.1	.	73.9	50.9	66.5	64.2
Asgrow	AG54XF5	5.4	66.8	59.8	52.3	73.4	.	75.8	47.5	63.5	63.8
Innvictis	A5284XF	5.2	73.3	82.9	53.4	63.0	.	74.4	48.9	51.7	63.7
Pioneer	P56A71E	5.6	67.6	69.7	54.5	62.1	.	68.8	58.2	68.2	63.5
DONMARIO SEEDS	DM 55F62S	5.5	73.2	53.9	**64.7**	74.7	.	76.2	45.4	57.1	63.2
Asgrow	AG52XF5	5.2	59.7	68.3	57.9	68.1	.	72.7	54.9	59.7	62.6
Progeny	P 5056XFS	5.0	**78.6**	66.8	**67.8**	60.8	.	69.2	50.1	48.0	62.1
Average			66.2	67.8	62.1	71.6	-	75.4	55.9	63.5	56.7
LSD at 10% Level			7.1	NS	6.3	NS	-	3.3	2.3	6.0	3.4
Model R-square			0.75	0.9	0.95	0.4	-	0.96	1	0.94	0.89
C.V.			10.03	14.51	9.11	20.4	-	3.96	3.66	8.48	16.3
	Planted:		4/29	4/30		5/21		5/8	6/5	5/7	
	Harvested:		10/23	10/29		11/13		10/24	11/13	11/5	

Statewide Yield Summary: MG V-VIII
Soybean Variety Performance, 2024 (Continued)

Company or Brand Name	Variety	Maturity	Griffin	Athens	Midville	Plains	Tifton	Attapulgus	June-planted Griffin	June-planted Plains	Statewide Average
			bu/acre								
Maturity Group VI											
UGA	G18-3118R2	6	66.7	50.8	.	**68.3**	**79.4**	66.6	**59.8**	**65.6**	**65.7**
Asgrow	AG69XF5	6.9	78.6	49.8	.	**65.3**	**83.4**	**72.4**	44.4	59.0	**64.7**
Pioneer	P68A41BE	6.8	75.0	**53.5**	.	60.0	72.9	65.2	**61.3**	**63.6**	**64.6**
Revere	6927XF	6.9	72.2	**52.8**	.	61.2	76.9	66.9	48.3	59.4	63.0
USG	7633XF	6.3	67.6	**55.6**	.	55.3	**83.1**	68.0	45.1	54.4	61.8
UGA	G19-13615	6	67.8	45.0	.	**64.2**	68.0	66.8	50.4	**67.2**	61.5
UGA	G18-3051R2	6	59.5	**53.1**	.	**68.8**	73.3	62.8	50.2	60.8	61.3
Progeny	P 6685XFS	6.6	64.3	45.9	.	60.3	70.7	**71.9**	**58.8**	59.8	61.3
NK Brand	63-U7XF	6.3	67.4	38.8	.	61.6	**80.8**	**70.0**	46.1	**63.0**	61.0
UGA	G19-12361	6	67.5	40.7	.	**67.2**	72.1	67.9	48.0	**62.4**	60.8
Integra	XF6984	6.9	68.5	48.5	.	57.3	**80.9**	67.3	46.0	51.4	60.5
Revere	62-F24	6.2	65.5	46.2	.	58.3	**79.4**	68.3	42.8	57.2	60.3
Armor	68-F35	6.8	68.4	45.7	.	59.9	72.7	67.1	47.5	61.6	60.1
Southern Harvest	SH 6524 E3	6.5	62.6	**51.2**	.	54.0	77.5	**73.1**	45.4	55.1	60.1
DONMARIO SEEDS	DM 59E01S	5.9	67.5	**55.1**	.	49.4	74.2	64.3	44.9	55.6	58.7
Southern Harvest	SH 6323 E3	6.3	65.6	43.5	.	52.6	77.5	**73.9**	44.0	53.4	58.6
Clemson	SC17-5517	7	63.4	47.4	.	59.4	69.2	66.1	43.6	58.4	57.8
NC Foundation	NC Dunphy	6	68.2	**55.0**	.	50.5	74.2	64.1	37.2	52.4	56.9
Mixon Seed	AGS Virtue V5422	5.4	69.6	47.1	.	50.6	74.5	56.6	48.5	52.4	56.3
Perdue	P60GO21	6	60.3	43.9	.	58.1	72.8	53.9	45.0	56.0	55.1
Average			67.3	48.5	-	59.1	75.7	66.7	47.9	58.4	51.8
LSD at 10% Level			NS	4.7	-	4.9	5.1	5.1	5.5	5.2	2.4
Model R-square			0.29	0.97	-	0.71	0.58	0.95	0.95	0.90	0.94
C.V.			12.9	8.6	-	7.8	6.4	6.9	10.3	8.1	12.2
		Planted:	5/21			6/5	5/8	5/7	6/13	6/25	
		Harvested:	11/26			11/13	10/24	11/5	12/4	11/13	

Statewide Yield Summary: MG V-VIII
Soybean Variety Performance, 2024 (Continued)

Company or Brand Name	Variety	Maturity	Griffin	Athens	Midville	Plains	Tifton	Attapulgus	June-planted Griffin	June-planted Plains	Statewide Average
			bu/acre								
Maturity Group VII and VIII											
UGA	G21-230R2X	7	**73.2**	47.1	.	**67.6**	78.0	**77.1**	47.1	**64.3**	**64.9**
Dyna-Gro	S71XF93	7.1	**79.1**	**50.3**	.	**63.2**	80.3	70.1	**51.7**	**61.5**	**64.8**
Armor	71-F12	7.1	**77.5**	**50.6**	.	59.9	78.1	**72.9**	48.6	**60.1**	**64.3**
Southern Harvest	SH 7024 E3	7.0	65.5	**51.5**	.	**65.5**	73.3	**74.2**	46.3	**61.1**	62.6
Pioneer	P70A62E	7.0	59.8	44.6	.	60.8	**85.8**	**73.9**	48.0	**59.2**	61.8
UGA	G21-245R2X	8	64.5	47.5	.	60.4	68.1	66.6	**57.0**	**64.6**	61.6
NC Foundation	N8002	8	64.6	45.3	.	**65.3**	**87.3**	56.9	46.8	**60.3**	61.1
UGA	G18-3311R2	7	49.9	**49.2**	.	62.3	84.1	68.4	48.4	**65.1**	61.0
UGA	G18-12063	7	67.9	**54.1**	.	54.4	82.4	68.2	44.7	56.2	61.0
UGA	G19-13438	7	68.5	**51.2**	.	60.8	68.7	62.2	**53.5**	**59.3**	60.9
DONMARIO SEEDS	DM 69E83S	6.9	65.6	**49.6**	.	58.0	78.4	68.6	41.2	56.1	60.0
UGA	G18-6669HOLNR2	7	**72.5**	44.0	.	61.3	71.3	64.4	**54.9**	51.5	59.4
Mixon Seed	AGS Woodruff	7.8	67.8	47.2	.	57.1	67.4	63.0	41.5	**59.8**	57.5
Perdue	P70GO21	7	67.3	46.4	.	56.1	69.8	59.8	40.5	55.1	56.7
Mixon Seed	AGS 738RR	7.3	59.8	**51.1**	.	59.2	75.2	61.6	44.2	45.3	56.4
GSDC	Cook (Public)	8	58.0	46.3	.	52.6	75.5	66.6	19.6	45.9	51.7
Average			66.4	48.5	-	60.3	76.5	67.1	45.9	57.8	51.7
LSD at 10% Level			7.8	4.0	-	5.2	3.1	5.8	6.2	6.3	2.4
Model R-square			0.91	0.62	-	0.88	0.98	0.64	0.96	0.91	0.94
C.V.			10.5	7.7	-	7.6	3.6	8.1	12.0	9.6	12.3
		Planted:	5/22			6/5	5/8	5/7	6/13	6/25	
		Harvested:	12/4			11/13	10/25	11/5	12/4	11/13	

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.

Griffin, Georgia:
Ultra-Late Planted Soybean Variety Performance, 2024 Irrigated

Company or Brand Name	Variety	Maturity	Yield	Maturity[1]	Plant Height	Lodging[2]	Vigor[3]
			bu/acre	date	in	rating	rating
Innvictis	A5994XF	5.9	**49.8**	11/08	23.5	1.0	4.0
Progeny	P 6685XFS	6.6	**47.3**	11/01	18.4	1.0	4.0
DONMARIO SEEDS	DM 69E83S	6.9	**46.5**	11/03	24.0	3.0	4.0
Pioneer	P68A41BE	6.8	**45.6**	11/03	21.5	1.0	4.0
USG	7633XF	6.3	**45.3**	11/11	23.0	1.0	3.7
Integra	XF4875S	4.8	**44.4**	10/29	18.9	1.0	5.5
DONMARIO SEEDS	DM 55F62S	5.5	**43.6**	11/07	19.5	1.0	4.5
UGA	G21-230R2X	7	**43.5**	11/08	20.5	1.5	4.0
Progeny	P 4947XFS	4.9	**43.5**	10/31	20.1	1.0	4.0
Revere	4826XFS	4.8	**43.3**	11/07	17.0	1.0	4.5
Dyna-Gro	S71XF93	7.1	42.9	11/05	22.0	1.0	5.0
Innvictis	A5813XF	5.8	42.9	10/31	19.9	1.0	4.5
Dyna-Gro	S58XF24	5.8	42.5	11/01	17.9	1.0	4.0
Armor	71-F12	7.1	42.5	11/04	22.5	1.0	4.0
Innvictis	A4924XF	4.9	42.2	11/01	15.0	1.0	4.7
Integra	XF4914S	4.9	42.2	11/06	16.5	1.0	5.0
DONMARIO SEEDS	DM 59E01S	5.9	41.4	11/09	21.0	1.0	4.5
USG	7495XFS	4.9	41.2	10/29	19.0	1.0	4.0
Pioneer	P56A71E	5.6	41.2	11/01	20.0	1.0	4.5
Revere	53-F84	5.3	40.7	11/08	18.0	1.0	5.0
Integra	XF6984	6.9	39.3	11/13	20.0	1.0	4.3
Armor	49-F37	4.9	39.0	11/05	18.1	1.0	5.5
Revere	49-F36	4.9	38.9	11/03	19.5	1.0	4.5
Armor	59-F21	5.9	38.8	11/11	22.0	1.0	5.0
Clemson	SC17-5517	7	38.6	11/08	20.0	1.0	4.5
Asgrow	AG69XF5	6.9	37.9	11/06	20.0	1.0	5.5
UGA	G21-245R2X	8	37.9	11/07	21.5	1.0	4.5
Revere	6927XF	6.9	37.6	11/04	18.4	1.0	5.5
NK Brand	63-U7XF	6.3	36.5	11/06	20.5	1.0	5.5
NK Brand	58-B8E3S	5.8	36.1	11/01	21.5	1.0	5.0
Armor	68-F35	6.8	35.8	11/01	18.4	1.0	4.3
Innvictis	A5284XF	5.2	35.7	11/05	17.5	1.0	5.0
Revere	62-F24	6.2	35.1	11/03	18.0	1.0	6.0
DONMARIO SEEDS	DM 48E54	4.8	34.4	10/26	20.1	1.0	5.0
Asgrow	AG54XF5	5.4	33.3	11/01	19.5	1.0	5.5
Asgrow	AG48XF5	4.8	32.5	11/03	16.0	1.0	5.0
Progeny	P 5056XFS	5	32.4	11/09	17.6	1.0	5.5
DONMARIO SEEDS	DM 53E53	5.3	32.3	11/09	16.6	1.0	6.5
Revere	48-F72	4.8	32.0	11/01	15.0	1.0	5.0
Mixon Seed	AGS 738RR	7.3	31.7	11/05	18.1	1.0	5.5
Progeny	P 4848XF	4.8	31.1	10/28	17.5	1.0	4.5
Asgrow	AG55XF5	5.5	27.5	11/08	16.0	1.0	6.5
Asgrow	AG50XF5	5	27.3	10/31	16.5	1.0	5.0
Progeny	P 4806XFS	4.8	24.7	10/28	16.6	1.0	5.5
Asgrow	AG52XF5	5.2	23.6	10/27	15.6	1.0	5.0

Griffin, Georgia:
Ultra-Late Planted Soybean Variety Performance, 2024 Irrigated (Continued)

Company or Brand Name	Variety	Maturity	Yield	Maturity[1]	Plant Height	Lodging[2]	Vigor[3]
			bu/acre	date	in	rating	rating
Average			38.3	11/04	19.1	1.1	4.8
LSD at 10% Level			6.8	5	2.2	0.1	0.8
Model R-square			0.93	1.00	0.97	1.00	0.98
C.V.			13.5	0.0	8.7	10.2	13.2

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. Vegetative Plant Vigor: Rated 1 (very good) to 9 (very poor).

Planted:	July 18, 2024.
Harvested:	December 2, 2024.
Seeding Rate:	250,000 seeds per acre in 7" rows.
Soil Type:	Cecil sandy loam.
Soil Test:	41 lb P_2O_5, 289 lb K_2O/acre, and pH = 6.3.
Preplant Fertilizer:	66 lb P_2O_5, 99 lb K_2O/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.

Typically, Ultra-Late soybean production follows corn harvested for grain, and due to the length of the remaining growing season is limited to locations in the Coastal Plain. This experiment was designed to evaluate the potential for Ultra-Late soybeans to be planted in the Piedmont following the harvest spring-planted corn silage. All varieties reached physiological maturity prior to the first killing frost.

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Attapulgus -
Rome - M. Tucker and T. Turnquist
Plains - W. Jones and D. Pearce
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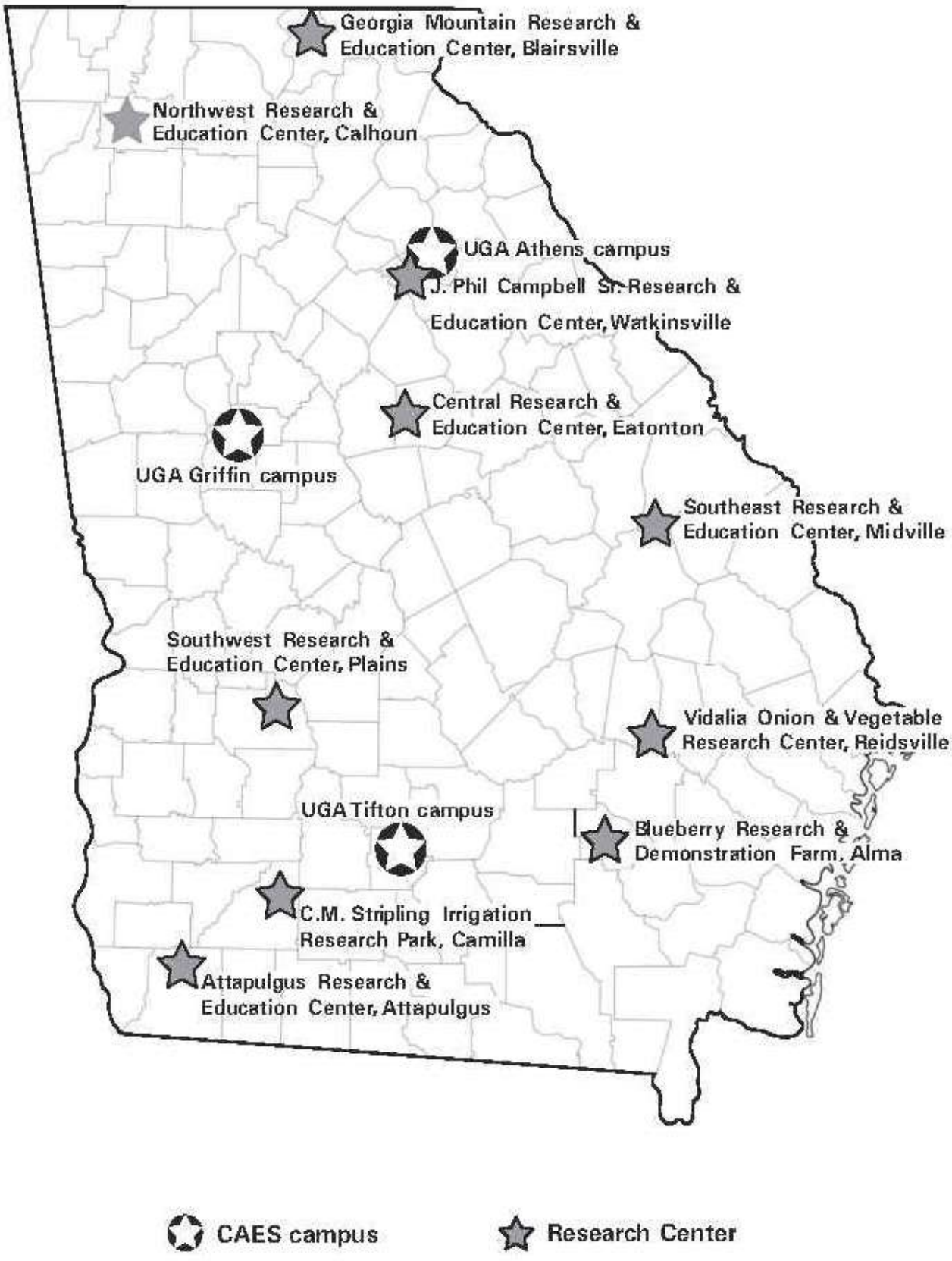
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