

SORGHUM GRAIN

Statewide Summary: Sorghum Grain Performance, Georgia, 2019

Company or Brand Name	Hybrid	Early Plantings			Early Average	Late Plantings		Late Average
		Tifton	Plains	Athens		Tifton	Calhoun	
----- bu/acre -----								
Advanta Seeds	ADV XG224	64.0	18.5	55.3	45.9	.	.	.
Advanta Seeds	ADV XG255	71.8	38.8	89.3	66.6	.	.	.
Advanta Seeds	ADV XG397	89.3	42.0	75.5	68.9	.	.	.
Alta Seeds	ADV G2275	65.8	32.8	89.0	62.5	.	.	.
Alta Seeds	ADV G3247	104.3	50.8	77.5	77.5	.	.	.
Alta Seeds	AG1203	105.8	35.7	80.8	74.1	.	.	.
Blue River	52R7	.	.	.	.	25.5	11.7	18.6
Blue River	63C5	.	.	.	.	.	48.0	.
Blue River	63WT6	.	.	.	.	41.7	33.5	37.6
Blue River	67B4	.	.	.	.	.	14.8	.
Blue River	74BAT7	.	.	.	.	79.7	33.5	56.6
Blue River	76WT4	.	.	.	.	46.5	6.8	26.6
DEKALB	DKS37-07	102.3	42.3	68.5	71.0	63.0	48.5	55.8
DEKALB	DKS46-60	90.0	46.5	90.3	75.6	56.8	41.3	49.0
DEKALB	DKS53-53	54.5	22.0	64.7	47.1	22.0	46.8	34.4
DEKALB	DKS54-07	112.5	48.0	108.5	89.7	69.3	37.8	53.5
Desert Sun	DSM 40-920	.	.	.	.	66.8	48.8	57.8
Dyna-Gro	Dual Forage	36.0	36.3	.	.	46.3	.	.
Dyna-Gro	GX13692	28.5	53.8	.	.	35.5	.	.
Dyna-Gro	GX17973	60.3	35.0	.	.	53.5	.	.
Dyna-Gro	GX18395	34.5	26.8	.	.	40.3	.	.
Dyna-Gro	GX18991	101.3	61.5	.	.	67.0	.	.
Dyna-Gro	GX19981	122.0	44.3	.	.	67.3	.	.
Dyna-Gro	M60GB31	118.5	41.7	.	.	41.0	.	.
Dyna-Gro	M62GB77	99.8	47.0	.	.	76.5	.	.
Dyna-Gro	M68GR41	80.3	32.5	.	.	37.8	.	.
Dyna-Gro	M69GB38	89.7	35.0	.	.	39.8	.	.
Dyna-Gro	M69GR88	73.0	36.0	.	.	34.8	.	.
Dyna-Gro	M71GR04	103.3	43.8	.	.	56.5	.	.
Dyna-Gro	M73GR55	82.0	53.0	.	.	75.3	.	.
Dyna-Gro	M74GB17	101.8	46.3	.	.	67.5	.	.
Gayland Ward	18035	72.7	43.8	.	.	.	.	.
Gayland Ward	18036	95.0	37.3	.	.	.	.	.
Gayland Ward	18057	77.5	36.0	.	.	51.0	.	.
Gayland Ward	18083	19.0	21.0	.	.	.	.	.
Gayland Ward	18084	43.3	20.8	.	.	.	.	.
Gayland Ward	18092	54.7	25.7	.	.	.	.	.
Gayland Ward	18093	74.3	37.8	.	.	.	.	.
Gayland Ward	18350	69.3	28.0	.	.	.	.	.
Gayland Ward	19016	51.7	26.8	.	.	.	.	.
Gayland Ward	19017	60.0	13.3	.	.	.	.	.
Gayland Ward	19021	77.5	39.3	.	.	.	.	.
Gayland Ward	19023	88.5	52.3	.	.	.	.	.
Gayland Ward	19024	39.5	33.8	.	.	.	.	.
Gayland Ward	19152	97.7	50.5	.	.	.	.	.
Pioneer	83P17	96.0	52.3	83.5	77.3	83.3	.	.
Pioneer	83P27	71.0	35.5	87.8	64.8	70.5	.	.
Sorghum Partners	SP 74C40	89.0	41.5	79.5	70.0	.	.	.
Sorghum Partners	SP 74M21	83.5	26.0	80.5	63.3	.	.	.

**Statewide Summary (Continued):
Sorghum Grain Performance, Georgia, 2019**

Company or Brand Name	Hybrid	Early Plantings			Early Average	Late Plantings		Late Average
		Tifton	Plains	Athens		Tifton	Rome	
----- bu/acre -----								
Sorghum Partners	SP 78M30	88.8	41.8	84.3	71.6	.	.	.
Sorghum Partners	SP7715	103.3	45.8	86.3	78.4	.	.	.
Southern Harvest	SH65G6	.	.	.	.	75.8	49.5	62.6
Southern Harvest	SH80G4	.	.	.	.	66.8	47.5	57.1
Southern Harvest	SH90G6	56.3	31.0	84.8	57.4	.	.	.
Southern Harvest	X3107	.	.	75.0	.	.	.	.
Southern Harvest	X4124	.	.	.	.	.	39.3	.
Average		77.6	37.6	81.4	68.3	55.5	36.6	46.5
LSD at 10% Level		20.1	9.0	8.2	9.4	7.3	12.7	11.0
Std. Err. of Entry Mean		8.2	3.7	3.4	3.9	3.0	5.0	4.6
Model R-squared		0.77	0.74	0.79	0.77	0.91	0.78	0.65

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.
Yields calculated as 56 lbs/bushel at 14% moisture.

Tifton, Georgia:
Early-Planted Sorghum Grain Performance, 2019, Dryland

Company or Brand Name	Hybrid	Yield		Test Weight	50% Bloom ¹	Plant Height	Head Exertion	Head Height	Lodging	Bird Damage ²
		2019 ----- bu/acre	2-Yr Avg -----							
Dyna-Gro	GX19981	122.0	.	54.5	64	48	4.5	8.3	0	0
Dyna-Gro	M60GB31	118.5	.	53.7	58	46	5.5	8.3	0	7
DEKALB	DKS54-07	112.5	.	57.0	65	51	4.5	9.0	0	11
Alta Seeds	AG1203	105.8	68.5	52.6	59	42	4.0	8.0	0	10
Alta Seeds	ADV G3247	104.3	75.3	55.8	66	47	5.3	8.3	0	4
Dyna-Gro	M71GR04	103.3	87.6	57.2	66	50	3.8	7.0	0	7
Sorghum Partners	SP7715	103.3	97.0	57.2	64	48	6.0	8.5	0	6
DEKALB	DKS37-07	102.3	82.1	52.1	62	45	3.0	8.3	0	9
Dyna-Gro	M74GB17	101.8	77.8	55.4	58	47	7.0	9.5	0	0
Dyna-Gro	GX18991	101.3	.	57.4	65	53	5.0	8.0	0	16
Dyna-Gro	M62GB77	99.8	.	55.4	61	45	5.0	8.3	0	0
Gayland Ward	19152	97.7	.	49.5	67	47	4.0	8.3	0	6
Pioneer	83P17	96.0	96.6	48.4	65	49	4.0	9.5	0	12
Gayland Ward	18036	95.0	.	54.0	65	53	8.0	8.7	0	4
DEKALB	DKS46-60	90.0	.	53.7	65	46	6.0	8.5	0	15
Dyna-Gro	M69GB38	89.7	69.3	50.1	64	48	6.0	7.7	2	0
Advanta Seeds	ADV XG397	89.3	.	53.3	60	45	6.0	7.0	0	14
Sorghum Partners	SP 74C40	89.0	72.1	52.6	59	43	3.5	9.3	0	6
Sorghum Partners	SP 78M30	88.8	.	50.3	64	48	3.0	11.0	0	3
Gayland Ward	19023	88.5	.	52.6	68	49	7.0	8.3	0	6
Sorghum Partners	SP 74M21	83.5	.	51.2	63	47	6.5	9.3	0	16
Dyna-Gro	M73GR55	82.0	85.3	53.6	67	52	4.0	9.0	0	17
Dyna-Gro	M68GR41	80.3	.	52.5	58	47	5.5	8.8	6	0
Gayland Ward	18057	77.5	.	49.6	57	48	7.5	8.5	0	0
Gayland Ward	19021	77.5	.	50.4	67	50	3.5	9.0	0	12
Gayland Ward	18093	74.3	.	50.5	59	43	6.7	7.7	0	0
Dyna-Gro	M69GR88	73.0	46.0	48.3	59	42	5.0	7.3	0	7
Gayland Ward	18035	72.7	.	53.0	61	49	6.0	9.3	8	10
Advanta Seeds	ADV XG255	71.8	.	51.3	63	46	7.3	8.5	0	3
Pioneer	83P27	71.0	.	49.5	65	45	4.5	8.0	0	3
Gayland Ward	18350	69.3	.	50.6	66	46	4.5	9.5	0	8
Alta Seeds	ADV G2275	65.8	57.9	52.1	65	43	5.0	7.8	0	4
Advanta Seeds	ADV XG224	64.0	.	49.1	60	43	4.0	9.7	3	0
Dyna-Gro	GX17973	60.3	.	48.6	59	52	7.0	8.3	3	3
Gayland Ward	19017	60.0	.	46.6	65	49	7.5	8.8	1	6
Southern Harvest	SH90G6	56.3	71.0	52.0	59	49	6.0	8.0	0	13
Gayland Ward	18092	54.7	.	47.8	64	47	6.0	7.7	7	14
DEKALB	DKS53-53	54.5	52.4	45.2	66	46	4.0	10.0	5	0
Gayland Ward	19016	51.7	.	45.7	59	48	8.0	9.0	12	4
Gayland Ward	18084	43.3	.	46.7	70	49	8.5	8.5	3	3
Gayland Ward	19024	39.5	.	46.2	65	45	6.5	8.5	10	0
Dyna-Gro	Dual Forage SCA	36.0	.	47.3	65	49	4.8	8.0	30	7
Dyna-Gro	GX18395	34.5	.	48.6	57	40	3.0	8.3	4	0
Dyna-Gro	GX13692	28.5	.	41.1	69	65	3.5	9.5	28	11
Gayland Ward	18083	19.0	.	42.2	66	49	7.5	8.5	24	0
Average		77.6	74.2	50.9	63	47	5.4	8.6	3	6
LSD at 10% Level		20.1	20.3	3.4	1	3	1.4	0.9	-	9
Std. Err. of Entry Mean		8.2	8.4	1.4	-	1	0.6	0.4	3	3
Model R-squared		0.77	0.44	0.73	0.99	0.81	0.71	0.62	0.61	0.48

Tifton, Georgia (Continued): Early-Planted Sorghum Grain Performance, 2019, Dryland

1. Days from planting to 50% bloom.
2. Percent of grain head damaged.
3. CV = 21.1% and df for EMS = 120.

Note: head exertion is the distance from the flag leaf to the bottom of the head.

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

Planted: April 13, 2019.

Harvested: July 31, 2019.

Seeding Rate: 80,000 seeds per acre in 36-inch rows.

Soil Type: Tifton loamy sand.

Soil Test: P = Medium, K = Low, and pH = 6.3.

Fertilization: Preplant: 75 lb N, 60 lb P₂O₅, and 90 lb K₂O/acre. Sidedress: 100 lb N/acre.

Previous Crop: Peanuts.

Management: Conventional tillage. Dual Magnum and Atrazine used for weed control. Telone II used for nematode control. Sivanto used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

Plains, Georgia: Early-Planted Sorghum Grain Performance, 2019, Dryland

Company or Brand Name	Hybrid	Yield		Test Weight lb/bu	50% Bloom ¹ days	Plant Height in	Head Exertion in	Head Height in	Lodging %	Tillering ² 0-5 scale	Bird Damage ³ %
		2019 ----- bu/acre	2-Yr Avg ----- bu/acre								
Dyna-Gro	GX18991	61.5	.	50.7	67	41	.	8.0	0	1.0	7
Dyna-Gro	GX13692	53.8	.	34.8	71	56	4.0	8.0	0	5.0	32
Dyna-Gro	M73GR55	53.0	68.9	47.3	69	36	1.0	7.3	0	2.0	8
Gayland Ward	19023	52.3	.	48.3	70	43	.	8.7	0	3.0	12
Pioneer	83P17	52.3	78.5	43.4	67	37	1.0	8.0	1	3.0	19
Alta Seeds	ADV G3247	50.8	64.0	49.2	68	36	2.0	7.8	0	2.0	10
Gayland Ward	19152	50.5	.	47.9	69	39	2.0	7.0	0	1.0	16
DEKALB	DKS54-07	48.0	.	50.1	67	36	1.0	6.5	0	3.0	25
Dyna-Gro	M62GB77	47.0	.	48.0	63	40	.	7.7	0	3.0	26
DEKALB	DKS46-60	46.5	.	51.6	67	37	2.0	7.0	0	2.0	0
Dyna-Gro	M74GB17	46.3	67.5	47.3	60	35	2.0	7.0	0	3.0	18
Sorghum Partners	SP7715	45.8	68.9	51.4	66	35	2.0	7.3	1	3.0	25
Dyna-Gro	GX19981	44.3	.	51.0	66	37	0.0	6.0	0	4.0	54
Gayland Ward	18035	43.8	.	51.0	63	35	2.0	6.5	0	2.0	27
Dyna-Gro	M71GR04	43.8	59.0	47.3	68	38	0.0	6.0	0	4.0	25
DEKALB	DKS37-07	42.3	56.3	46.3	64	38	2.0	8.0	0	1.8	32
Advanta Seeds	ADV XG397	42.0	.	48.1	62	40	.	8.0	0	1.0	29
Sorghum Partners	SP 78M30	41.8	.	47.6	66	34	2.0	6.8	6	1.0	21
Dyna-Gro	M60GB31	41.7	.	50.5	60	35	.	6.3	0	1.0	32
Sorghum Partners	SP 74C40	41.5	56.9	48.2	61	35	2.0	7.5	0	1.0	20
Gayland Ward	19021	39.3	.	44.6	69	38	1.0	7.5	0	3.0	27
Advanta Seeds	ADV XG255	38.8	.	42.1	65	39	2.0	7.0	0	3.0	22
Gayland Ward	18093	37.8	.	47.9	61	32	2.0	7.0	0	1.0	25
Gayland Ward	18036	37.3	.	42.6	67	37	2.0	7.0	0	3.0	39
Dyna-Gro	Dual Forage SCA	36.3	.	43.8	67	41	.	8.0	3	4.0	50
Gayland Ward	18057	36.0	.	44.6	59	40	3.0	7.0	0	3.0	36
Dyna-Gro	M69GR88	36.0	40.9	44.9	61	33	0.0	6.3	0	3.5	36
Alta Seeds	AG1203	35.7	49.2	47.0	61	35	4.0	6.7	3	1.0	41
Pioneer	83P27	35.5	.	45.9	67	35	2.0	7.5	3	1.0	26
Dyna-Gro	GX17973	35.0	.	42.2	61	35	1.0	7.0	3	4.0	19
Dyna-Gro	M69GB38	35.0	46.0	48.0	66	37	3.0	6.5	0	1.0	27
Gayland Ward	19024	33.8	.	48.9	67	37	2.0	8.0	0	1.0	13
Alta Seeds	ADV G2275	32.8	52.6	46.5	67	36	2.0	6.8	0	1.0	27
Dyna-Gro	M68GR41	32.5	.	45.3	60	35	0.0	6.5	0	3.5	25
Southern Harvest	SH90G6	31.0	61.0	44.3	61	38	2.0	8.0	0	2.5	48
Gayland Ward	18350	28.0	.	40.5	68	36	1.0	7.5	0	3.0	30
Gayland Ward	19016	26.8	.	35.8	61	33	2.0	5.8	0	4.0	48
Dyna-Gro	GX18395	26.8	.	45.0	59	37	4.0	8.0	0	4.0	38
Sorghum Partners	SP 74M21	26.0	.	43.3	65	35	2.0	8.3	0	3.0	48
Gayland Ward	18092	25.7	.	39.8	66	37	.	8.0	0	4.0	21
DEKALB	DKS53-53	22.0	42.7	42.0	68	38	2.0	6.3	0	3.5	48
Gayland Ward	18083	21.0	.	41.2	68	39	1.0	6.5	0	4.0	27
Gayland Ward	18084	20.8	.	47.0	72	38	2.0	7.8	0	1.0	30
Advanta Seeds	ADV XG224	18.5	.	40.2	62	38	2.0	8.3	6	0.0	76
Gayland Ward	19017	13.3	.	35.1	67	35	1.0	5.8	0	5.0	17
Average		37.6	58.3	45.6	65	37	1.8	7.2	1	2.5	29
LSD at 10% Level		9.0	11.1	3.9	1	2	-	0.8	-	0.4	13
Std. Err. of Entry Mean		3.7	4.5	1.6	-	1	-	0.3	1	0.2	6
Model R-squared		0.74	0.77	0.71	-	0.90	-	0.67	0.38	0.95	0.72

Plains, Georgia (Continued): Early-Planted Sorghum Grain Performance, 2019, Dryland

1. Days from planting to 50% bloom.
2. 0 = absent, 5 = many tillers. Large scale tillering was only observed at Plains. It is increased by early planting dates (cooler), drought, and lower seeding rates. It resulted in immature secondary heads being present at harvest, leading to high moistures and lower test weights than would have otherwise been the case.
3. Percent of grain head damaged.
4. CV = 19.7% and df for EMS = 123.

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

Planted: April 18, 2019.

Harvested: August 9, 2019.

Seeding Rate: 80,000 seeds per acre in 36-inch rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 6.0.

Fertilization: Preplant: 60 lb N, 110 lb P₂O₅, and 60 lb K₂O/acre. Sidedress: 60 lb N/acre.

Previous Crop: Soybeans.

Management: Conventional tillage. Dual Magnum and Atrazine used for weed control. Sivanto used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Athens, Georgia: Early-Planted Sorghum Grain Performance, 2019, Dryland

Company or Brand Name	Hybrid	Yield		Test	50%	Plant	Head	Bird
		2019 ----- bu/acre	2-Yr Avg ----- bu/acre	Weight lb/bu	Bloom ¹ days	Height in	Exertion in	Damage ² %
DEKALB	DKS54-07	108.5	.	59.3	74	60	6.8	19
DEKALB	DKS46-60	90.3	.	58.9	73	58	8.8	18
Advanta Seeds	ADV XG255	89.3	.	56.6	81	54	4.3	7
Alta Seeds	ADV G2275	89.0	98.6	57.6	71	54	7.0	16
Pioneer	83P27	87.8	.	56.1	76	58	3.0	14
Sorghum Partners	SP7715	86.3	98.8	58.0	76	58	5.5	10
Southern Harvest	SH90G6	84.8	.	55.6	74	57	5.0	23
Sorghum Partners	SP 78M30	84.3	.	55.0	76	54	3.5	6
Pioneer	83P17	83.5	96.8	55.7	78	57	2.8	18
Alta Seeds	AG1203	80.8	101.5	53.4	69	51	6.0	23
Sorghum Partners	SP 74M21	80.5	.	55.4	75	55	6.3	11
Sorghum Partners	SP 74C40	79.5	.	55.3	72	53	3.5	14
Alta Seeds	ADV G3247	77.5	98.4	56.9	74	57	7.3	18
Advanta Seeds	ADV XG397	75.5	.	57.5	72	56	5.5	22
Southern Harvest	X3107	75.0	.	54.9	72	56	6.8	23
DEKALB	DKS37-07	68.5	92.8	52.9	68	50	4.8	39
DEKALB	DKS53-53	64.7	93.4	55.4	74	47	4.0	17
Advanta Seeds	ADV XG224	55.3	.	54.8	70	49	3.5	36
Average		81.4	97.2	56.1	73	55	5.2	18
LSD at 10% Level		8.2	NS	1.4	1	3	2.0	13
Std. Err. of Entry Mean		3.4	3.6	0.6	1	1	0.8	5
Model R-squared		0.79	0.79	0.76	0.91	0.77	0.59	0.47

1. Days from planting to 50% bloom.

2. Percent of grain head damaged.

3. CV = 8.4% and df for EMS = 50.

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: April 16, 2019.

Harvested: August 13, 2019.

Seeding Rate: 80,000 seeds per acre in 30-inch rows.

Soil Type: Wickham sandy loam.

Previous Crop: Soybeans.

Soil Test: P = High, K = Very high, and pH = 6.4.

Fertilization: Preplant: 30 lb N, 78 lb P₂O₅, and 78 lb K₂O/acre. Sidedress: 130 lb N/acre.

Management: Strip-tilled. Dual Magnum and Atrazine used for weed control.
Lorsban and Sivanto used for insect control.

Test conducted by H. Jordan, G. Ware, C. Fox, J. Griffin, and K. Roach.

Tifton, Georgia: Late-Planted Sorghum Grain Performance, 2019, Dryland

Company or Brand Name	Hybrid	Yield		Test Weight lb/bu	50% Bloom ¹ days	Plant Height in	Head Exertion in	Head Height in	Lodging %
		2019 ----- bu/acre	2-Yr Avg ----- bu/acre						
Pioneer	83P17	83.3	72.0	55.5	53	49	4.0	10.0	1
Blue River	74BAT7	79.7	.	56.8	54	50	3.3	9.3	1
Dyna-Gro	M62GB77	76.5	.	58.0	48	46	3.8	8.3	1
Southern Harvest	SH65G6	75.8	65.5	58.1	49	47	3.0	8.8	0
Dyna-Gro	M73GR55	75.3	.	57.1	56	50	2.5	10.0	4
Pioneer	83P27	70.5	.	54.8	50	47	3.8	8.8	3
DEKALB	DKS54-07	69.3	.	55.7	56	50	2.0	8.3	4
Dyna-Gro	M74GB17	67.5	.	55.5	55	50	3.0	9.5	0
Dyna-Gro	GX19981	67.3	.	57.8	54	47	2.3	8.0	3
Dyna-Gro	GX18991	67.0	.	56.1	54	47	2.8	8.0	1
Desert Sun	DSM 40-920	66.8	.	57.1	52	45	4.3	8.8	0
Southern Harvest	SH80G4	66.8	55.6	57.6	53	48	2.3	8.8	6
DEKALB	DKS37-07	63.0	47.8	52.4	49	44	3.3	8.0	5
DEKALB	DKS46-60	56.8	.	56.8	52	45	4.5	8.5	5
Dyna-Gro	M71GR04	56.5	.	57.5	52	47	3.5	8.0	31
Dyna-Gro	GX17973	53.5	.	54.8	53	50	4.0	8.8	28
Gayland Ward	18057	51.0	.	53.0	48	44	6.0	9.0	43
Blue River	76WT4	46.5	.	57.4	57	47	1.8	9.0	9
Dyna-Gro	Dual Forage SCA	46.3	.	51.3	51	51	3.5	8.3	56
Blue River	63WT6	41.7	.	50.9	49	43	4.0	8.0	31
Dyna-Gro	M60GB31	41.0	.	52.7	51	41	4.0	7.8	8
Dyna-Gro	GX18395	40.3	.	54.0	49	46	2.3	8.5	6
Dyna-Gro	M69GB38	39.8	.	51.4	54	48	4.5	8.0	21
Dyna-Gro	M68GR41	37.8	.	56.1	50	43	4.3	8.3	44
Dyna-Gro	GX13692	35.5	.	54.0	57	65	1.3	9.8	79
Dyna-Gro	M69GR88	34.8	.	51.5	52	44	5.0	6.8	50
Blue River	52R7	25.5	.	.	37	37	4.8	7.3	31
DEKALB	DKS53-53	22.0	21.6	54.0	54	46	2.5	7.8	73
Average		55.5	52.5	55.3	52	47	3.4	8.5	19
LSD at 10% Level		7.3	7.5	2.0	1	2	1.0	0.7	-
Std. Err. of Entry Mean		3.0	3.1	0.8	-	1	0.4	0.3	8
Model R-squared		0.91	0.86	0.76	-	0.94	0.72	0.71	0.73

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

1. Days from planting to 50% bloom.

2. CV = 11.0% and df for EMS = 79.

Planted: June 14, 2019.

Harvested: September 23, 2019.

Seeding Rate: 80,000 seeds per acre in 36-inch rows.

Soil Type: Tifton loamy sand.

Soil Test: P = Medium, K = Low, and pH = 6.5.

Fertilization: Preplant: 75 lb N, 60 lb P₂O₅, and 90 lb K₂O/acre. Sidedress: 100 lb N/acre.

Previous Crop: Summer annual forages.

Management: Conventional tillage. Dual Magnum and Atrazine used for weed control. Telone II used for nematode control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

Plains, Georgia:
Late-Planted Sorghum Grain Performance, 2019, Dryland

Company or		Yield		Test	50%	Plant
Brand Name	Hybrid	2019	2-Yr Avg	Weight	Bloom ¹	Height
		-----	-----	lb/bu	days	in
		bu/acre	-----			

A grain sorghum trial was planted at this location. Sugarcane damage was severe, but inconsistent in the trial area. Delayed head development occurred on primary stems, and tillers were present. Drought stress compounded problems. Bird damage accumulated, and the final result was not harvestable.



Calhoun, Georgia:
Late-Planted Sorghum Grain Performance, 2019, Dryland

Company or Brand Name	Hybrid	Yield		Test	50%	Plant
		2019	2-Yr Avg	Weight	Bloom ¹	Height
		----- bu/acre -----		lb/bu	days	in
Southern Harvest	SH65G6	49.5	.	55.2	63	38
Desert Sun	DSM 40-920	48.8	.	52.8	79	36
DEKALB	DKS 37-07	48.5	.	51.8	70	31
Blue River	63C5	48.0	.	55.3	77	33
Southern Harvest	SH80G4	47.5	.	51.7	76	36
DEKALB	DKS 53-53	46.8	.	50.2	80	34
DEKALB	DKS46-60	41.3	.	49.2	76	30
Southern Harvest	X4124	39.3	.	52.6	65	35
DEKALB	DKS54-07	37.8	.	48.3	87	40
Blue River	63WT6	33.5	.	37.8	86	28
Blue River	74BAT7	33.5	.	42.9	73	38
Blue River	67B4	14.8	.	18.3	86	26
Blue River	52R7	11.7	.	18.6	53	23
Blue River	76WT4	6.8	.	6.5	86	36
Average		36.6	-	42.6	74	33
LSD at 10% Level		12.7	-	9.8	13	4
Std. Err. of Entry Mean		5.0	-	3.7	4	2
Model R-squared		0.78	-	0.86	0.65	0.82

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

1. Days from planting to 50% bloom.

2. CV = 27.4% and df for EMS = 27.

Planted: July 30, 2019.

Harvested: December 5, 2019.

Seeding Rate: 80,000 seeds per acre in 30-inch rows.

Soil Type: Etowah loam.

Previous Crop: Ryegrass forage.

Management: Conventional tillage. Dual Magnum and Atrazine used for weed control.

Test conducted by H. Jordan, G. Ware, M. Tucker, and T. Turnquist.