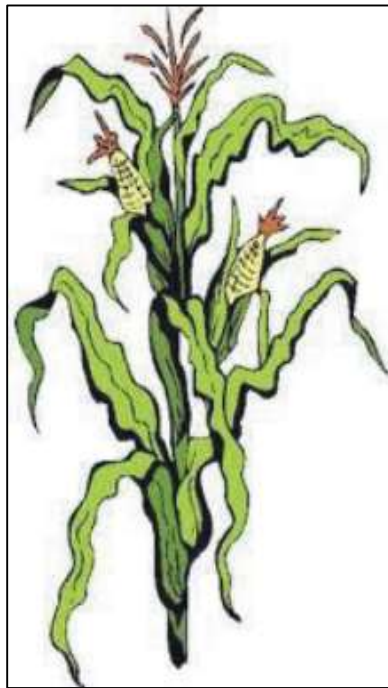


# **Georgia**

## **2024 Corn, Sorghum, and Summer Annual Forages**

### **Performance Tests**

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# Georgia 2024 Corn, Sorghum, and Summer Annual Forages Performance Tests

## CONTENTS

### Corn Tests Results

<b>Statewide Yield Summary: Corn Grain Performance, Georgia, 2024</b> .....	
Tifton, Georgia: Corn Grain Performance, 2024, Irrigated .....	
Tifton, Georgia: Corn Grain Performance, 2024, Dryland .....	
Midville, Georgia: Corn Grain Performance, 2024, Irrigated .....	
Plains, Georgia: Corn Grain Performance, 2024, Irrigated .....	
Griffin, Georgia: Corn Grain Performance, 2024, Irrigated .....	
Rome, Georgia: Corn Grain Performance, 2024, Irrigated .....	
Rome, Georgia: Corn Grain Performance, 2024, Dryland .....	
Blairsville, Georgia: Corn Grain Performance, 2024, Dryland .....	
Statewide Harvest Moisture Summary: Corn Grain Performance, Georgia, 2024 .....	
<b>Statewide Yield Summary: Spring-planted Corn Silage Performance, Georgia, 2022-2024</b> .....	
Plains, Georgia: Spring-planted Corn Hybrids for Silage, 2024, Irrigated .....	
Quality Factors of Corn Hybrids for Silage, Plains, Georgia, 2024 .....	
Nutrient and Elemental Analysis of Corn Hybrids for Silage, Plains, Georgia, 2024 .....	
Griffin, Georgia: Spring-planted Corn Hybrids for Silage, 2024, Irrigated .....	
Plains, Georgia: Summer-planted Corn Hybrids for Silage, 2024, Irrigated .....	
Quality Factors of Corn Hybrids for Silage, Plains, Georgia, 2024 .....	
Nutrient and Elemental Analysis of Corn Hybrids for Silage, Plains, Georgia, 2024 .....	
<b>Multiple Insect Resistance in 64 Commercial Corn Hybrids, 2024</b> .....	
Ear-Feeding Insect Resistance in 64 Commercial Corn Hybrids, Plains, Georgia, 2024 .....	

### Sorghum Tests Results

<b>Statewide Yield Summary: Sorghum Grain Performance, Georgia, 2024</b> .....	
Griffin, Georgia: Early-Planted Sorghum Grain Performance, 2024, Dryland .....	
Rome, Georgia: Early-Planted Sorghum Grain Performance, 2024, Dryland .....	
<b>Statewide Yield Summary: Sorghum Silage Performance, Georgia, 2022-2024</b> .....	
Plains, Georgia: Sorghum Silage Performance, 2024, Dryland .....	
Griffin, Georgia: Sorghum Silage Performance, 2024, Dryland .....	
Quality Factors of Sorghum Hybrids for Silage, Griffin, Georgia, 2024 .....	
Nutrient and Elemental Analysis of Sorghum Hybrids for Silage, Griffin, Georgia, 2024 .....	
<b>Summer Annual Forages Performance</b> .....	
Plains, Georgia: Summer Annual Forages Performance, 2024, Dryland .....	
<b>Evaluation of Insect, Disease, and Bird Damage in Grain, Silage, and Forage</b> .....	
Sorghum Hybrids in 2024 .....	
Grain, Silage, and Forage Sorghum Hybrid Resistance to Insect, Disease, and Bird Damage, 2024 .....	

<b>Cooperators, Contributors and Authors</b> .....	
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Highlighted Items will be added as results become available.

## Statewide Yield Summary: Spring-planted Corn Silage Performance, Georgia, 2022-2024

Company or Brand Name	Hybrid Name	Relative Maturity days	2024			2023			2022		
			Griffin Forage	Plains Yield	Milk/Ac	Griffin Forage	Tifton Yield	Milk/Ac	Griffin Forage	Tifton Yield	Milk/Ac
			-- dry tons/acre --	-- lb/acre --		-- dry tons/acre --	-- lb/acre --		-- dry tons/acre --	-- lb/acre --	
AgraTech	79VT2P	113	9.64	<b>10.84</b>	<b>37,022</b>	.	11.5	38,178	.	9.95	34,981
BH Genetics	BH 8420VIP3110	114	12.05	10.51	35,069	<b>11.90</b>	12.70	41,445	10.41	<b>12.91</b>	<b>43,452</b>
BH Genetics	BH 8690VIP3110	116	11.66	<b>11.50</b>	<b>37,890</b>	<b>11.11</b>	12.84	43,298	<b>11.52</b>	11.05	36,269
BH Genetics	BH 8705VIP3110	117	12.92	<b>11.59</b>	<b>38,659</b>	<b>11.10</b>	11.95	38,895	<b>12.11</b>	9.65	34,957
BH Genetics	BH 8721VT2P	117	<b>13.25</b>	<b>11.16</b>	<b>38,175</b>	<b>11.34</b>	12.62	41,460	.	.	.
BH Genetics	X24002SSP	115	12.62	<b>11.27</b>	<b>38,712</b>	.	.	.	.	.	.
BH Genetics	X24011DV	114	10.48	9.31	31,998	.	.	.	.	.	.
BH Genetics	X24015-3220	114	10.92	9.40	31,089	.	.	.	.	.	.
Croplan	5320	113	11.82	<b>11.20</b>	<b>36,669</b>	.	.	.	.	.	.
Croplan	5760	117	11.08	9.86	32,505	.	.	.	.	.	.
Croplan	5893	118	12.79	10.54	36,267	<b>11.77</b>	11.68	36,422	.	.	.
Croplan	5900	119	<b>14.13</b>	10.59	34,002	<b>11.94</b>	12.85	39,607	.	.	.
DEKALB	DKC66-06 TRE	116	11.99	<b>10.96</b>	<b>36,949</b>	<b>10.74</b>	12.63	42,843	.	.	.
DEKALB	DKC68-35 VT2P	118	12.57	<b>11.63</b>	<b>38,018</b>	<b>12.07</b>	<b>12.99</b>	<b>44,603</b>	.	.	.
DEKALB	DKC70-45 VT2P	120	<b>14.02</b>	10.71	35,650	<b>10.75</b>	<b>13.25</b>	43,220	10.08	10.32	35,495
Dyna-Gro	D58VC65	118	12.53	10.69	36,471	8.57	12.18	40,049	.	.	.
Dyna-Gro	D60TC45	120	<b>13.45</b>	<b>11.20</b>	<b>38,279</b>	.	.	.	.	.	.
Innvictis	A1792T	117	12.33	<b>10.81</b>	<b>37,437</b>	.	.	.	.	.	.
Innvictis	A1993T	119	<b>13.67</b>	<b>11.62</b>	<b>39,423</b>	.	.	.	.	.	.
INTEGRA	6493 VT2P	114	11.67	10.51	35,809	.	.	.	.	.	.
INTEGRA	6641 SS	116	11.48	10.50	34,275	.	.	.	.	.	.
INTEGRA	6709 VT2P	117	11.95	10.48	33,736	<b>11.65</b>	12.37	38,677	9.55	10.23	34,447
INTEGRA	6864R	118	11.45	10.24	35,027	<b>10.97</b>	11.32	36,652	.	.	.
INTEGRA	6891 AS3110	118	12.33	10.73	33,604	<b>11.29</b>	12.76	41,058	.	.	.
INTEGRA	6915 TRE	119	12.71	<b>11.07</b>	<b>37,042</b>	.	.	.	.	.	.
INTEGRA	CX441112 PCE	112	11.44	10.55	<b>36,816</b>	.	.	.	.	.	.
NK Brand	1402-DV	114	10.15	10.24	35,167	.	.	.	.	.	.
NK Brand	E114C4-DV	114	12.27	10.60	35,759	.	.	.	.	.	.
NK Brand	E117Z7-D	117	11.76	9.79	31,736	<b>11.79</b>	<b>12.97</b>	42,847	<b>11.40</b>	<b>11.25</b>	<b>39,859</b>
Pioneer	P17677YHR	117	11.99	<b>10.81</b>	36,022	.	.	.	.	.	.
Revere Seed	1627 TC	116	12.66	10.24	32,510	.	.	.	.	.	.
Revere Seed	1839 TC	118	<b>13.03</b>	<b>11.02</b>	<b>37,711</b>	.	12.62	42,347	.	.	.
Average			12.15	10.69	35,797	10.58	12.26	40,187	10.31	10.39	35,743
LSD at 10% Level			1.18	0.87	2,914	1.83	0.93	3,029	1.29	1.67	5,765
Model R-squared			0.80	0.91	0.51	0.93	0.73	0.77	0.84	0.77	0.76
C.V.			9.15	7.69	7.7	.	.	.	.	.	.

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

Descriptive statistics from 2023 and 2022 reflect whole tests, and are not restricted to hybrids that returned for 2024.

## Plains, Georgia: Evaluation of Corn Hybrids for Silage, 2024, Irrigated

Company or Brand Name	Hybrid Name	Relative Maturity days	Forage Yield		Percent Moisture %	Ear Count #/100 plts	Percent Lodged	Population
			Dry tons/acre	Green <sup>1</sup>				
DEKALB	DKC68-35 VT2P	118	<b>11.63</b>	<b>33.23</b>	56.5	100	0	35,019
Innvictis	A1993T	119	<b>11.62</b>	<b>33.20</b>	53.4	101	2	37,012
BH Genetics	BH 8705VIP3110	117	<b>11.59</b>	<b>33.12</b>	53.8	98	11	34,165
BH Genetics	BH 8690VIP3110	116	<b>11.50</b>	<b>32.85</b>	56.5	100	2	36,158
BH Genetics	X24002SSP	115	<b>11.27</b>	<b>32.19</b>	54.3	101	2	36,158
Dyna-Gro	D60TC45	120	<b>11.20</b>	<b>31.99</b>	55.4	101	1	37,012
Croplan	5320	113	<b>11.20</b>	<b>31.99</b>	58.8	99	2	35,019
BH Genetics	BH 8721VT2P	117	<b>11.16</b>	<b>31.88</b>	53.7	98	2	34,734
INTEGRA	6915 TRE	119	<b>11.07</b>	<b>31.64</b>	53.6	101	2	37,581
Revere Seed	1839 TC	118	<b>11.02</b>	<b>31.49</b>	53.7	99	1	37,012
DEKALB	DKC66-06 TRE	116	<b>10.96</b>	<b>31.32</b>	55.6	98	0	35,588
AgraTech	79VT2P	117	<b>10.84</b>	<b>30.96</b>	58.5	101	1	34,734
Innvictis	A1792T	117	<b>10.81</b>	<b>30.88</b>	54.0	99	0	35,588
Pioneer	P17677YHR	117	<b>10.81</b>	<b>30.88</b>	60.4	100	0	33,595
INTEGRA	6891 AS3110	118	10.73	30.65	59.0	100	3	34,165
DEKALB	DKC70-45 VT2P	120	10.71	30.61	57.3	100	0	35,873
Dyna-Gro	D58VC65	118	10.69	30.54	52.5	98	2	37,012
NK Brand	E114C4-DV	114	10.60	30.29	55.6	104	1	34,734
Croplan	5900	119	10.59	30.26	59.7	101	0	35,304
INTEGRA	CX441112 PCE	112	10.55	30.13	54.7	100	1	34,734
Croplan	5893	118	10.54	30.10	54.4	99	1	35,304
BH Genetics	BH 8420VIP3110	114	10.51	30.03	56.7	98	1	35,304
INTEGRA	6493 VT2P	114	10.51	30.04	53.9	106	2	32,741
INTEGRA	6641 SS	116	10.50	29.99	56.6	100	1	36,727
INTEGRA	6709 VT2P	117	10.48	29.95	60.6	100	7	32,456
NK Brand	1402-DV	114	10.24	29.26	52.4	103	1	34,734
Revere Seed	1627 TC	116	10.24	29.27	54.9	99	0	36,158
INTEGRA	6864R	118	10.24	29.25	56.6	100	2	35,873
Croplan	5760	117	9.86	28.19	57.6	99	3	37,581
NK Brand	E117Z7-D	117	9.79	27.98	60.5	103	2	35,588
BH Genetics	X24015-3220	114	9.40	26.87	48.5	101	1	34,449
BH Genetics	X24011DV	114	9.31	26.61	52.9	102	2	35,873
Average			10.69	30.55	55.7	100	2	35,437
LSD at 10% Level			0.87	2.49	0.7	2	2	1,395
Model R-squared			0.91	0.84	0.99	0.70	0.86	0.59
C.V.			7.7	7.7	1.1	2.1	119.5	3.7

1. Green yields are standardized to 65% moisture.

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

Planted: April 10, 2024.

Harvested: July 31, 2024. Accumulated 2,909 GDD units. 50 <= Temp <= 86 °F

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

Soil Type: Greenville sandy clay loam.

Previous Crop:

Soil Test:

Fertilization:

Tillage: Conventional.

Herbicides:

Irrigation:

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

Note: Plant populations can exceed 34,000 due to "doubles" on the planter plate resulting from smaller seed size, and can be lower due to skips caused by larger size, or non-germinating seeds. The plant populations are reported for use in interpreting the yield results, and are not an inherent feature of that hybrid. Proper planter calibration for a particular seed size minimizes both doubles and skips, but is not feasible in these tests due to the range of seed sizes encountered.

## Quality Factors of Corn Hybrids for Silage Plains, Georgia, 2024

Company or Brand Name	Hybrid Name	Dry Yield	UW Milk 2006 Model Calculated Values						Quality Components					
			Milk production		TDN	NE <sub>L</sub>	NE <sub>G</sub>	NE <sub>M</sub>	ADF	aNDF	aNDFom	Ligni	NDFD3	NDFD24
		tons/ac	lb/ton	lb/acre	% DM	Mcal/cwt		% DM		% NDFom				
Innvictis	A1993T	<b>11.62</b>	3,393	<b>39,423</b>	72.1	67.0	55.2	83.9	19.2	32.9	32.1	3.0	49.7	64.2
BH Genetics	X24002SSP	<b>11.27</b>	3,436	<b>38,712</b>	72.5	67.6	56.3	85.2	18.3	29.6	28.9	2.8	45.8	60.9
BH Genetics	BH 8705VIP3110	<b>11.59</b>	3,335	<b>38,659</b>	71.1	66.8	53.9	82.5	19.0	31.2	30.5	2.9	44.2	60.6
Dyna-Gro	D60TC45	<b>11.20</b>	3,419	<b>38,279</b>	72.3	67.2	56.5	85.4	16.0	27.2	26.6	2.9	43.5	61.3
BH Genetics	BH 8721VT2P	<b>11.16</b>	3,421	<b>38,175</b>	72.4	67.3	55.9	84.7	17.4	30.6	29.8	2.9	48.1	62.4
DEKALB	DKC68-35 VT2P	<b>11.63</b>	3,269	<b>38,018</b>	70.2	65.9	52.6	81.0	20.2	32.3	31.6	3.3	44.4	61.2
BH Genetics	BH 8690VIP3110	<b>11.50</b>	3,295	<b>37,890</b>	70.6	66.2	53.4	81.8	19.9	31.9	31.3	3.2	45.3	60.8
Revere Seed	1839 TC	<b>11.02</b>	3,422	<b>37,711</b>	72.3	67.7	56.3	85.2	17.3	28.0	27.3	3.0	42.2	56.4
Innvictis	A1792T	<b>10.81</b>	3,464	<b>37,437</b>	73.0	67.3	57.1	86.1	16.8	29.4	28.7	2.6	49.8	66.7
INTEGRA	6915 TRE	<b>11.07</b>	3,345	<b>37,042</b>	71.3	66.5	54.5	83.1	19.9	31.7	31.0	2.9	46.8	62.1
AgraTech	79VT2P	<b>10.84</b>	3,417	<b>37,022</b>	72.3	67.3	56.1	85.0	17.0	29.0	28.5	2.9	47.4	63.1
DEKALB	DKC66-06 TRE	<b>10.96</b>	3,371	<b>36,949</b>	71.7	66.6	55.4	84.2	17.0	29.2	28.5	2.9	45.4	62.7
INTEGRA	CX441112 PCE	10.55	3,491	<b>36,816</b>	73.3	68.3	57.4	86.4	16.2	27.4	26.8	2.6	47.4	63.6
Croplan	5320	<b>11.20</b>	3,276	<b>36,669</b>	70.4	66.0	53.0	81.4	19.7	32.2	31.4	3.0	45.7	60.2
Dyna-Gro	D58VC65	10.69	3,412	36,471	72.2	67.5	56.4	85.3	15.6	26.2	25.6	2.8	41.9	59.0
Croplan	5893	10.54	3,442	36,267	72.6	67.8	56.4	85.3	16.7	28.4	27.8	2.9	45.2	59.5
Pioneer	P17677YHR	<b>10.81</b>	3,333	36,022	71.2	66.5	54.4	83.0	18.8	30.8	30.2	3.2	46.0	60.4
INTEGRA	6493 VT2P	10.51	3,406	35,809	72.2	67.1	55.8	84.6	17.4	30.0	29.4	2.9	46.8	62.3
NK Brand	E114C4-DV	10.60	3,373	35,759	71.8	66.6	55.3	84.0	18.7	30.4	29.7	2.6	48.2	65.1
DEKALB	DKC70-45 VT2P	10.71	3,328	35,650	71.1	65.8	54.7	83.3	17.8	30.4	29.8	2.9	45.5	62.9
NK Brand	1402-DV	10.24	3,435	35,167	72.9	67.2	55.9	84.7	19.4	34.0	33.2	2.8	53.7	67.5
BH Genetics	BH 8420VIP3110	10.51	3,337	35,069	71.1	66.7	54.1	82.7	19.2	31.6	30.9	3.1	45.3	62.7
INTEGRA	6864R	10.24	3,421	35,027	72.5	67.4	56.0	84.8	18.7	31.1	30.4	2.7	49.0	63.6
INTEGRA	6641 SS	10.50	3,266	34,275	70.1	65.8	53.6	82.1	18.5	29.4	28.8	3.2	39.9	55.0
Croplan	5900	10.59	3,210	34,002	69.4	65.6	52.7	81.1	20.2	32.2	31.4	3.3	43.1	57.5
INTEGRA	6709 VT2P	10.48	3,224	33,736	69.7	65.5	51.7	79.9	20.6	34.4	33.6	3.3	46.3	60.4
INTEGRA	6891 AS3110	10.73	3,133	33,604	68.5	64.4	50.2	78.1	22.7	37.4	36.7	3.7	47.1	61.7
Revere Seed	1627 TC	10.24	3,174	32,510	69.4	63.8	51.7	79.9	20.6	36.7	36.0	3.1	50.6	68.1
Croplan	5760	9.86	3,295	32,505	70.6	65.8	53.9	82.4	19.3	31.3	30.6	3.0	44.9	60.3
BH Genetics	X24011DV	9.31	3,436	31,998	72.7	67.4	56.2	85.1	17.5	29.7	29.1	2.5	49.3	64.6
NK Brand	E117Z7-D	9.79	3,241	31,736	70.0	65.5	51.9	80.2	20.4	35.0	34.3	3.0	48.3	63.1
BH Genetics	X24015-3220	9.40	3,306	31,089	70.8	66.0	53.7	82.2	19.2	31.9	31.2	2.9	45.6	63.0
				36,510										
Average		10.69	3,347	35,797	71.4	66.6	54.6	83.3	18.6	31.0	30.4	3.0	46.3	62.0
LSD at 10% Level		0.87	NS	2,913	NS	NS	NS	NS	NS	NS	NS	0.4	3.9	4.0
Model R-squared		0.91	0.45	0.51	0.45	0.38	0.51	0.51	0.81	0.78	0.79	0.64	0.64	0.64
C.V.		7.7	4.3	7.7	2.7	2.7	4.7	3.5	10.1	10.1	10.1	9.2	6.4	4.9

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

Sample analysis conducted by Dairyland Laboratories, Arcadia, WI.

Data above assumes kernal processing was conducted prior to ensiling.

## Nutrient and Elemental Analysis of Corn Hybrids for Silage Plains, Georgia, 2024

Company or Brand Name	Hybrid Name	Dry Yield	Milk Production	Crude Protein	Starch	Sugar (WSC)	Fat (EE)	Fat (TFA)	Ash	P	K	Ca	Mg	S	
		tons/ac	lb/ton	lb/acre	% DM										
Innvictis	A1993T	<b>11.62</b>	3,393	<b>39,423</b>	8.5	41.6	6.5	3.1	2.8	2.9	0.24	0.93	0.23	0.15	0.12
BH Genetics	X24002SSP	<b>11.27</b>	3,436	<b>38,712</b>	8.6	45.3	6.6	3.1	2.8	2.5	0.24	0.95	0.23	0.13	0.11
BH Genetics	BH 8705VIP3110	<b>11.59</b>	3,335	<b>38,659</b>	8.3	41.1	8.2	2.7	2.5	2.7	0.23	0.97	0.22	0.14	0.11
Dyna-Gro	D60TC45	<b>11.20</b>	3,419	<b>38,279</b>	8.3	48.9	5.8	3.0	2.7	2.5	0.24	0.79	0.21	0.13	0.11
BH Genetics	BH 8721VT2P	<b>11.16</b>	3,421	<b>38,175</b>	8.5	43.8	6.1	3.0	2.8	2.7	0.25	0.91	0.23	0.14	0.11
DEKALB	DKC68-35 VT2P	<b>11.63</b>	3,269	<b>38,018</b>	8.4	39.8	8.0	2.7	2.4	3.1	0.24	1.04	0.23	0.14	0.11
BH Genetics	BH 8690VIP3110	<b>11.50</b>	3,295	<b>37,890</b>	9.0	39.4	8.4	2.7	2.4	3.3	0.25	1.14	0.23	0.13	0.12
Revere Seed	1839 TC	<b>11.02</b>	3,422	<b>37,711</b>	8.7	46.1	6.9	3.3	3.0	2.6	0.24	1.01	0.24	0.16	0.12
Innvictis	A1792T	<b>10.81</b>	3,464	<b>37,437</b>	8.3	47.5	5.0	3.1	2.8	2.9	0.25	0.70	0.23	0.14	0.12
INTEGRA	6915 TRE	<b>11.07</b>	3,345	<b>37,042</b>	8.7	42.0	6.8	2.9	2.6	3.1	0.24	1.00	0.24	0.16	0.12
AgraTech	79VT2P	<b>10.84</b>	3,417	<b>37,022</b>	9.1	44.4	6.7	2.9	2.7	3.0	0.25	0.90	0.23	0.15	0.12
DEKALB	DKC66-06 TRE	<b>10.96</b>	3,371	<b>36,949</b>	8.7	45.6	5.9	2.9	2.6	2.9	0.25	0.89	0.23	0.14	0.12
INTEGRA	CX441112 PCE	10.55	3,491	<b>36,816</b>	8.7	45.8	6.9	3.1	2.8	2.9	0.25	0.91	0.23	0.14	0.12
Croplan	5320	<b>11.20</b>	3,276	<b>36,669</b>	9.1	38.4	7.9	2.7	2.5	3.5	0.25	1.13	0.27	0.16	0.12
Dyna-Gro	D58VC65	10.69	3,412	36,471	8.9	47.1	6.4	3.1	2.8	2.8	0.26	0.90	0.23	0.14	0.12
Croplan	5893	10.54	3,442	36,267	8.5	45.3	6.7	3.2	2.9	2.7	0.25	0.92	0.23	0.14	0.12
Pioneer	P17677YHR	<b>10.81</b>	3,333	36,022	9.1	41.7	7.1	2.7	2.5	3.1	0.25	1.17	0.25	0.15	0.12
INTEGRA	6493 VT2P	10.51	3,406	35,809	8.5	44.9	5.8	3.1	2.8	2.8	0.24	0.81	0.26	0.17	0.12
NK Brand	E114C4-DV	10.60	3,373	35,759	8.7	43.5	6.9	2.6	2.4	3.1	0.24	0.94	0.23	0.15	0.12
DEKALB	DKC70-45 VT2P	10.71	3,328	35,650	8.1	46.8	5.2	2.8	2.5	2.8	0.24	0.83	0.22	0.14	0.11
NK Brand	1402-DV	10.24	3,435	35,167	7.9	41.5	6.7	2.8	2.5	2.9	0.24	0.88	0.22	0.16	0.11
BH Genetics	BH 8420VIP3110	10.51	3,337	35,069	8.9	40.9	7.5	2.9	2.7	2.9	0.24	0.86	0.24	0.15	0.12
INTEGRA	6864R	10.24	3,421	35,027	8.9	42.4	6.5	3.0	2.7	3.0	0.25	0.97	0.23	0.14	0.12
INTEGRA	6641 SS	10.50	3,266	34,275	9.3	44.0	6.4	3.0	2.8	3.2	0.26	1.11	0.27	0.17	0.12
Croplan	5900	10.59	3,210	34,002	9.5	36.5	8.8	2.8	2.6	3.2	0.25	1.08	0.25	0.15	0.12
INTEGRA	6709 VT2P	10.48	3,224	33,736	9.1	35.6	8.2	2.6	2.4	3.5	0.24	1.09	0.28	0.19	0.13
INTEGRA	6891 AS3110	10.73	3,133	33,604	9.1	32.2	8.3	2.6	2.3	3.6	0.25	1.18	0.28	0.17	0.12
Revere Seed	1627 TC	10.24	3,174	32,510	8.9	38.9	5.6	2.4	2.2	3.8	0.25	0.75	0.27	0.19	0.12
Croplan	5760	9.86	3,295	32,505	8.8	43.3	5.7	2.9	2.7	3.1	0.25	1.00	0.25	0.15	0.12
BH Genetics	X24011DV	9.31	3,436	31,998	8.4	43.8	7.2	2.8	2.5	3.0	0.24	0.94	0.23	0.15	0.12
NK Brand	E117Z7-D	9.79	3,241	31,736	8.5	35.9	8.1	2.4	2.2	3.3	0.23	1.03	0.26	0.18	0.11
BH Genetics	X24015-3220	9.40	3,306	31,089	8.0	42.6	7.5	2.5	2.3	2.8	0.23	1.00	0.21	0.13	0.11
			36,510												
Average		10.69	3,347	35,797	8.7	42.4	6.9	2.9	2.6	3.0	0.24	0.96	0.24	0.15	0.11
LSD at 10% Level		0.87	NS	2,913	0.5	4.9	1.1	NS	NS	NS	0.01	0.14	NS	0.03	0.01
Model R-squared		0.91	0.45	0.51	0.69	0.69	0.74	0.60	0.60	0.52	0.71	0.73	0.55	0.52	0.54
C.V.		7.7	4.3	7.7	4.2	8.8	12.3	9.3	9.3	14.0	2.6	11.0	10.2	14.9	5.4

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

Silage analysis conducted by Dairyland Laboratories, Arcadia, WI.

"Milk Production" reprinted from Quality Factors table, based on UW Milk 2006 predicted milk model.

## Griffin, Georgia: Evaluation of Corn Hybrids for Silage, 2024, Irrigated

Company or Brand Name	Hybrid Name	Relative Maturity days	Forage Yield		Percent Moisture %	Actual Population plants/acre	Percent Lodged %
			Dry	Green <sup>1</sup>			
			tons/acre				
Croplan	5900	119	<b>14.13</b>	<b>40.37</b>	44.3	35,824	0
DEKALB	DKC70-45 VT2P	120	<b>14.02</b>	<b>40.04</b>	38.2	36,793	0
Innvictis	A1993T	119	<b>13.67</b>	<b>39.06</b>	34.2	36,291	0
Dyna-Gro	D60TC45	120	<b>13.45</b>	<b>38.44</b>	35.8	36,300	0
BH Genetics	BH 8721VT2P	117	<b>13.25</b>	<b>37.85</b>	35.3	36,784	0
Revere Seed	1839 TC	118	<b>13.03</b>	<b>37.24</b>	35.5	34,852	0
BH Genetics	BH 8705VIP3110	117	12.92	36.93	29.8	35,811	0
Croplan	5893	118	12.79	36.54	38.2	36,301	0
INTEGRA	6915 TRE	119	12.71	36.32	39.9	36,305	0
Revere Seed	1627 TC	116	12.66	36.18	28.3	34,367	0
BH Genetics	X24002SSP	115	12.62	36.06	33.9	34,850	0
DEKALB	DKC68-35 VT2P	118	12.57	35.92	37.0	35,817	0
Dyna-Gro	D58VC65	118	12.53	35.81	34.7	35,815	0
Innvictis	A1792T	117	12.33	35.22	37.7	34,367	0
INTEGRA	6891 AS3110	118	12.33	35.23	48.8	34,370	0
NK Brand	E114C4-DV	114	12.27	35.06	35.7	33,891	0
BH Genetics	BH 8420VIP3110	114	12.05	34.42	39.0	34,843	0
DEKALB	DKC66-06 TRE	116	11.99	34.24	37.9	36,783	0
Pioneer	P17677YHR	117	11.99	34.26	42.8	32,908	0
INTEGRA	6709 VT2P	117	11.95	34.13	33.8	33,885	0
Croplan	5320	113	11.82	33.78	40.3	34,853	0
NK Brand	E117Z7-D	117	11.76	33.61	43.3	36,766	0
INTEGRA	6493 VT2P	114	11.67	33.33	39.9	35,322	0
BH Genetics	BH 8690VIP3110	116	11.66	33.32	36.6	35,312	0
INTEGRA	6641 SS	116	11.48	32.79	40.7	36,294	0
INTEGRA	6864R	118	11.45	32.71	35.3	36,302	0
INTEGRA	CX441112 PCE	112	11.44	32.69	28.2	34,859	0
Croplan	5760	117	11.08	31.66	35.5	35,324	0
BH Genetics	X24015-3220	114	10.92	31.21	31.9	33,399	0
BH Genetics	X24011DV	114	10.48	29.93	21.3	36,791	0
NK Brand	1402-DV	114	10.15	28.99	38.1	34,363	0
AgraTech	79VT2P	117	9.64	27.55	42.2	31,945	0
Average			12.15	34.72	36.7	35,272	0
LSD at 10% Level			1.18	3.38	3.0	2,228	-
Model R-squared			0.80	0.80	0.91	0.58	-
C.V.			9.2	9.2	7.6	5.9	-

1. Green yields are standardized to 65% moisture.

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

Planted: April 8, 2024.

Harvested: August 30, 2024.

Seeding Rate: 36,000 seeds per acre in 30-inch rows.

Soil Type: Cecil sandy loam.

Previous Crop: Wheat.

Soil Test:  $P_2O_5 = 84$  lbs,  $K_2O = 304$  lbs, and  $pH = 5.8$ . Applied 1 ton dolomitic lime/acre.

Fertilization: Preplant: 70 lb N, 191 lb  $P_2O_5$ , and 270 lb  $K_2O$ /acre. Sidedress: 286 lb N/acre.

Tillage: Conventional.

Herbicides: Atrazine, Warrant, and Round-up.

Irrigation:

Test conducted by J. Arrington, G. Ware, and S. Brannon.



Sorghum grain tests were planted in spring at Tifton and Plains, but lost due to severe drought stress in June. Multiple areas of fields had dead plants, and the living ones were less than half their normal height. While surviving plants tillered following rainfall in July and began forming new heads, the maturity differences in the grain itself made harvest unfeasible. The growth of grassy weeds had continued during the dry period, and with the reduced sorghum canopy exceeded our herbicide options ability to provide control. Some newer varieties have tolerance to herbicides not typically used in sorghum, and this can be helpful when adverse conditions slow growth of the crop more than growth of weeds. That option is not available in a variety test, since not all varieties are tolerant. For the producer, less reliance on post-directed applications of herbicides can allow narrower row configurations, which can improve sorghum performance under dry conditions. The test at Griffin did better, but still experienced lower than average yields. It displayed the same pattern of tillering observed at Tifton and Plains, but we terminated the plants with glyphosate in order to obtain a consistent harvest from the primary grain heads.

## Griffin, Georgia: Early-Planted Sorghum Grain Performance, 2024, Dryland

Company or Brand Name	Hybrid	Harvest Year		Test Weight lb/bu	50% Bloom <sup>1</sup> days	Plant Height in	Head		Bird Damage <sup>2</sup> %
		2024	2023				Exertion in	Lodging %	
Sorghum Partners	SP 65M60	<b>96.3</b>	.	36.3	62	37	0.1	0	39
Dyna-Gro Seed	M62GB36	<b>94.8</b>	.	53.6	62	37	0.4	0	11
Dyna-Gro Seed	M70GR37	<b>91.1</b>	.	49.8	63	41	0.6	0	16
Dyna-Gro Seed	M67GB87	<b>89.3</b>	108.1	50.3	63	40	0.5	0	10
Dyna-Gro Seed	M60GB31	<b>88.1</b>	57.5	51.1	61	37	0.8	0	11
Dyna-Gro Seed	M71GR91	<b>87.4</b>	<b>126.6</b>	47.0	64	39	0.3	0	14
Dyna-Gro Seed	M63GB78	<b>85.8</b>	24.7	46.4	60	36	0.3	0	16
Sorghum Partners	SP7715	<b>85.8</b>	86.7	50.3	65	38	0.7	0	5
Dyna-Gro Seed	M66GR32	<b>85.7</b>	.	43.1	63	38	0.0	0	14
Sorghum Partners	SPHF370 DT	83.7	.	49.6	61	35	0.2	0	11
BH Genetics	BH 5755	82.1	<b>135.8</b>	51.6	65	39	0.0	0	8
BH Genetics	BH 4220	80.9	<b>58.7</b>	44.7	62	36	0.5	0	9
BH Genetics	BH 4041	80.4	<b>119.6</b>	42.1	62	39	0.8	0	13
Dyna-Gro Seed	M72GB71	76.3	89.3	43.2	65	38	0.5	0	9
Pioneer	83P38	70.9	.	43.5	66	35	0.0	0	8
Sorghum Partners	SPHF378 DT	67.5	.	40.1	61	34	0.0	0	11
Sorghum Partners	SPHF372 DT	66.6	.	40.6	61	36	0.5	0	7
Sorghum Partners	SP 65B21 DT	64.6	.	37.8	60	31	0.0	0	5
Sorghum Partners	SPSD455	60.4	.	30.0	60	38	0.7	0	15
Sorghum Partners	SPHF371 DT	56.8	.	34.7	61	35	0.0	0	6
Average		79.7	87.3	44.3	62	37	0.3	0	12
LSD at 10% Level		11.1	22.0	7.6	1	2	0.4	-	8
Model R-squared		0.91	0.89	0.87	0.86	0.98	0.98	-	0.73
C.V.		15.1	27.3	18.6	1.7	5.4	149.6	-	69.2

1. Days from planting to 50% bloom.

2. Percent of grain head damaged.

**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 18, 2024.

Harvested: August 15, 2024.

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

Soil Type: Cecil sandy loam.

Previous Crop: Fallow.

Soil Test:  $P_2O_5 = 31$  lbs,  $K_2O = 166$  lbs, and  $pH = 6.2$ .

Fertilization: Preplant: 125 lb N, 250 lb  $P_2O_5$ , and 375 lb  $K_2O$ /acre. Sidedress: 50 lb N/acre.

Tillage: Conventional.

Herbicides: Dual Magnum and Atrazine.

Test conducted by J. Arrington, G. Ware, and S. Brannon.

Severe drought occurred in June, resulting in lower yields, shorter plants, and a reduced range of days to bloom between varieties. Sorghum aphids were present in higher numbers than the last several years, but did not require spraying.

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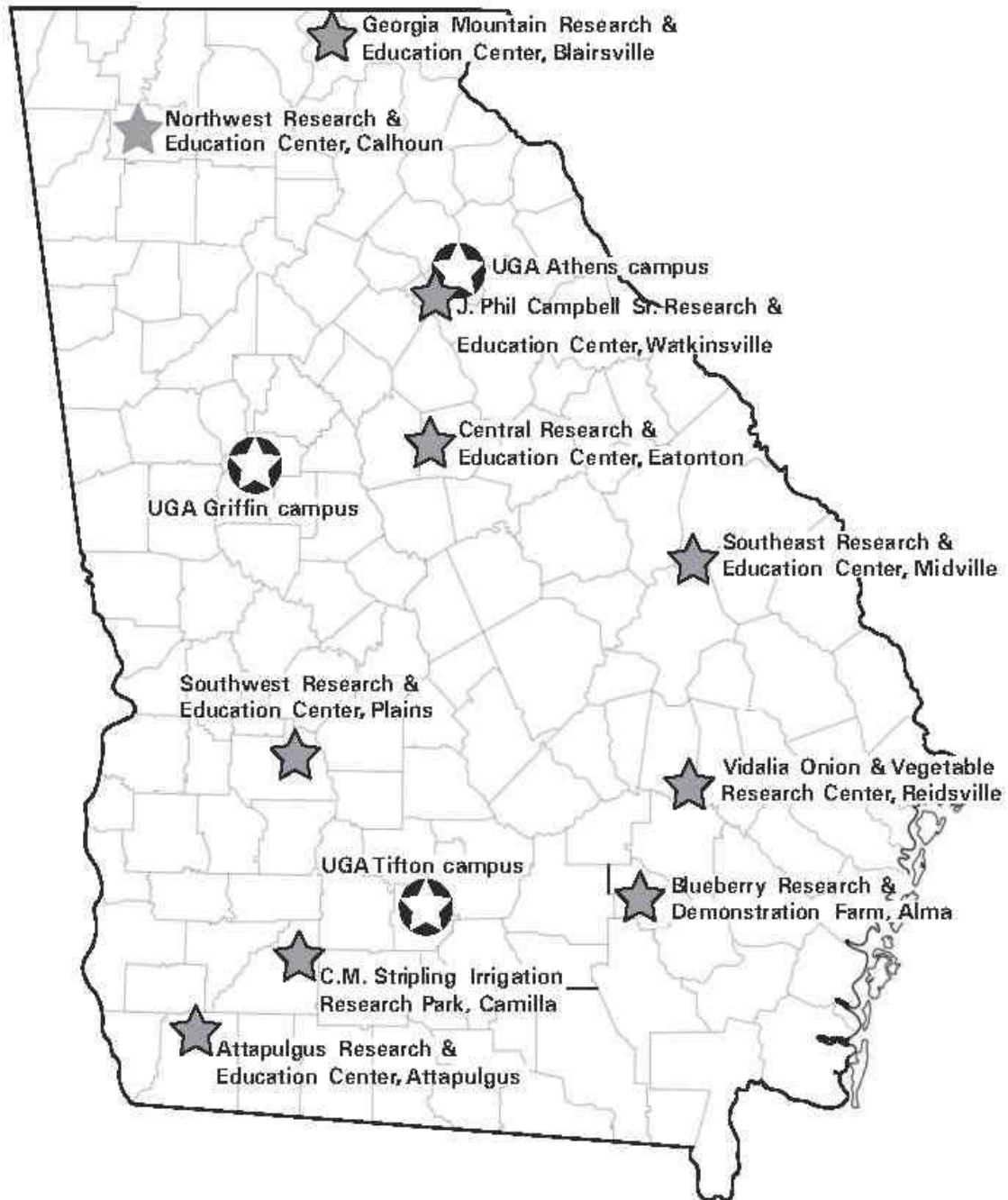
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