

# **Georgia**

## **2023 Peanut and Cotton**

### **Performance Tests**

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# Georgia 2023 Peanut and Cotton Performance Tests

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## Multi-Location Summary of Peanut Yields, 2023

Variety	Maturity	Irrigated				Dryland				Statewide Average
		Tifton	Midville	Plains	Average	Tifton	Midville	Plains	Average	
-----lb/acre-----										
<b>Runner Types</b>										
Georgia-12Y	ML	<b>5,600</b>	6,173	<b>4,838</b>	<b>5,537</b>	4,870	6,793	<b>4,210</b>	<b>5,291</b>	<b>5,414</b>
Georgia-21GR	M+	<b>5,588</b>	6,609	4,321	<b>5,506</b>	<b>5,634</b>	5,740	4,060	<b>5,145</b>	<b>5,325</b>
TifNV-HG	M	<b>5,404</b>	6,741	<b>4,741</b>	<b>5,629</b>	4,681	6,765	3,119	4,855	5,242
Georgia-23RKN	M+	5,182	5,725	4,386	5,098	5,047	6,765	4,104	<b>5,305</b>	5,201
Georgia-22MPR	ML	4,946	5,904	<b>4,706</b>	5,185	4,637	6,686	<b>4,222</b>	<b>5,181</b>	5,183
TUFRunnerTM '297'	M	5,090	6,601	<b>4,680</b>	<b>5,457</b>	4,398	6,947	3,238	4,861	5,159
Georgia-18RU	M+	4,697	6,144	4,474	5,105	4,637	6,430	3,578	4,882	4,993
GA 192517	M+	3,946	5,904	4,599	4,816	4,667	6,414	<b>4,403</b>	<b>5,161</b>	4,989
CB 1	M	5,268	6,167	4,286	5,241	4,133	6,602	3,332	4,689	4,965
FloRunTM '331'	M	4,781	6,402	<b>4,976</b>	5,386	3,713	6,723	3,150	4,529	4,958
Georgia-20VHO	M	<b>5,417</b>	6,360	4,004	5,260	4,724	6,086	2,982	4,597	4,929
GA 192710	M+	5,152	5,937	3,842	4,977	4,640	6,390	3,605	4,878	4,928
FloRunTM '52N'	M	5,059	5,969	<b>4,827</b>	5,285	4,262	5,987	3,269	4,506	4,895
Georgia-14N	M+	4,472	5,181	<b>5,005</b>	4,886	3,854	6,390	<b>4,404</b>	4,883	4,884
Georgia-09B	M	5,226	6,086	3,983	5,099	4,000	6,723	3,163	4,629	4,864
CB 7	M	<b>5,343</b>	5,441	4,273	5,019	4,756	6,538	2,788	4,694	4,857
Georgia-06G	M	4,862	5,986	4,115	4,988	4,207	6,893	2,919	4,673	4,830
GA 182729	M+	<b>5,400</b>	5,014	4,111	4,842	4,515	6,350	3,560	4,808	4,825
Georgia Greener	M	5,239	5,905	4,403	5,182	4,219	6,016	3,107	4,447	4,815
FloRunTM 'T61'	M	4,887	6,126	4,165	5,059	4,367	6,197	3,132	4,565	4,812
Georgia-16HO	M	5,287	5,834	3,742	4,954	4,638	6,389	2,770	4,599	4,777
GA 182521	ML	4,819	5,181	3,992	4,664	4,564	5,821	3,785	4,723	4,694
AU-NPL 17	M	4,499	6,031	4,542	5,024	3,818	6,016	3,107	4,314	4,669
TifNV-High O/L	M	5,060	5,524	4,379	4,987	4,058	6,168	2,639	4,288	4,638
Tifguard	M	4,943	5,723	4,027	4,898	3,640	6,513	2,925	4,359	4,628
CB 2	M	4,616	5,361	4,498	4,825	3,639	6,238	2,714	4,197	4,511
GA 182726	M	5,225	4,868	3,822	4,639	4,259	5,783	2,820	4,287	4,463
<b>Virginia Types</b>										
Georgia-11J	ML	4,625	<b>7,401</b>	<b>4,793</b>	<b>5,606</b>	3,560	<b>7,618</b>	4,104	5,094	<b>5,350</b>
TifJumbo	M	5,268	6,472	4,478	5,406	4,384	<b>7,397</b>	2,906	4,896	5,151
Georgia-19HP	M	5,121	6,513	4,464	5366.2	4,324	6,612	2,895	4,610	4,988
Average		5,034	5,976	4,382	5,131	4,361	6,466	3,367	4,732	4,931
LSD at 10% Level		265	369	328	186	274	365	259	174	127
Model R-square		0.58	0.66	0.44	0.81	0.73	0.54	0.76	0.94	0.90
C.V.		7.1	8.3	10.1	8.5	8.4	7.6	10.3	8.6	8.6

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

Variety names preceded by "GA" or "CB" are unreleased breeding lines.

All tests are planted using 6 seeds per linear foot with 36 inches between rows.

Maturities are earliest (M) to latest (ML). All varieties of a given maturity in a test are harvested on the same day.

(Continued on next page)

## Multi-Location Summary of Peanut Yields, 2023 (Continued)

Variety	Maturity	Irrigated				Dryland				Statewide Average
		Tifton								
-----lb/acre-----										
<b>Spanish Types</b>										
Georgia-SP/RKN	M+	<b>4,609</b>	.	.	.	.	.	.	.	.
Georgia-17SP	M+	4,472	.	.	.	.	.	.	.	.
Georgia-04S	M	2,626	.	.	.	.	.	.	.	.
OLe`	E	2,395	.	.	.	.	.	.	.	.
Tamnut OL06	E+	2,364	.	.	.	.	.	.	.	.
Schubert	E+	2,326	.	.	.	.	.	.	.	.
Georgia Browne	M	2,095	.	.	.	.	.	.	.	.
OLin	E+	1,452	.	.	.	.	.	.	.	.
<b>Valencia Types</b>										
Georgia Red	E+	2,359	.	.	.	.	.	.	.	.
Georgia Valencia	E+	2,203	.	.	.	.	.	.	.	.
N. M. Val. A	E	1,885	.	.	.	.	.	.	.	.
Georgia-Val/HO	E+	1,880	.	.	.	.	.	.	.	.
N. M. Val. C	E	1,628	.	.	.	.	.	.	.	.
TAM Val. OL14	E	1,593	.	.	.	.	.	.	.	.
NuMex-01	E	1,499	.	.	.	.	.	.	.	.
H & W Val. 118	E	1,408	.	.	.	.	.	.	.	.
H & W Val. 136	E	1,381	.	.	.	.	.	.	.	.
Average		2,264	-	-	-	-	-	-	-	-
LSD at 10% Level		173	-	-	-	-	-	-	-	-
Model R-square		0.95	-	-	-	-	-	-	-	-
C.V.		10.2	-	-	-	-	-	-	-	-

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

All tests are planted using 6 seeds per linear foot with 36 inches between rows.

Spanish and Valencia varieties are only tested at Tifton under irrigated conditions.

Maturities are earliest (E) to latest (M+). All varieties of a given maturity in a test are harvested on the same day.

**Tifton, Georgia:  
Peanut Yield and Grade Performance, 2023, Irrigated**

Variety	Maturity	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
<b>Runner Types</b>							
Georgia-12Y	ML	5,600	70.5	5.0	1.0	0.0	859
Georgia-21GR	M+	5,588	77.5	3.0	1.0	0.0	756
Georgia-20VHO	M	5,417	73.5	4.5	2.0	0.0	946
TifNV-HG	M	5,404	72.5	4.0	1.0	0.0	688
GA 182729	M+	5,400	77.5	2.5	1.5	0.0	752
CB 7	M	5,343	73.0	5.0	1.5	0.0	966
Georgia-16HO	M	5,287	74.0	3.5	1.5	0.0	701
CB 1	M	5,268	71.0	7.0	1.0	0.0	991
Georgia Greener	M	5,239	75.0	4.0	0.5	0.0	751
Georgia-09B	M	5,226	74.5	4.5	1.0	0.0	814
GA 182726	M	5,225	78.0	3.0	0.5	0.0	701
Georgia-23RKN	M+	5,182	73.0	3.5	1.5	0.0	801
GA 192710	M+	5,152	74.0	4.5	1.0	0.0	744
TUFRunnerTM '297'	M	5,090	70.5	5.5	1.0	0.0	721
TifNV-High O/L	M	5,060	70.0	5.5	1.5	0.0	759
FloRunTM '52N'	M	5,059	70.5	5.5	1.0	0.0	861
Georgia-22MPR	ML	4,946	72.5	4.0	2.0	0.0	821
Tifguard	M	4,943	72.0	5.5	0.5	0.0	756
FloRunTM 'T61'	M	4,887	71.0	4.5	1.5	0.0	788
Georgia-06G	M	4,862	72.5	4.5	1.0	0.0	724
GA 182521	ML	4,819	73.0	3.5	1.5	0.0	786
FloRunTM '331'	M	4,781	70.0	6.5	1.0	0.0	881
Georgia-18RU	M+	4,697	73.0	4.0	2.0	0.0	808
CB 2	M	4,616	73.0	5.5	1.0	0.0	873
AU-NPL 17	M	4,499	70.0	4.5	1.0	0.0	720
Georgia-14N	M+	4,472	70.5	6.0	2.0	0.0	941
GA 192517	M+	3,946	73.5	4.5	1.0	0.0	863
<b>Virginia Types</b>							
TifJumbo	M	5,268	73.0	2.5	1.5	38.0	718
Georgia-19HP	M	5,121	74.0	3.0	1.0	50.0	673
Georgia-11J	ML	4,625	67.0	3.0	2.5	44.5	657
Average		5,034	72.7	4.4	1.3	4.4	794
LSD at 10% Level		265	1.6	1.1	0.8	1.8	82
Model R-square		0.58	0.90	0.81	0.60	0.99	0.82
C.V.		7.1	1.6	19.0	45.0	31.0	7.8

Planted:	May 25, 2023.	Digging Date by Maturity:
Soil Type:	Tifton loamy sand.	M 10-Oct
Soil Test:	82 lb P <sub>2</sub> O <sub>5</sub> , 149 lb K <sub>2</sub> O/acre, and pH = 6.5.	M+ 24-Oct
Preplant Fertilizer:	None.	ML 24-Oct
Previous Crop:	Cotton.	
Tillage:	Conventional.	
Herbicides:	Sonalan, Dual Magnum, Basagran, and Select.	
Fungicides:	Fontelis, Chlorothalonil, and Tebuconazole.	
Irrigation:	6.5 inches.	

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

**Tifton, Georgia:**  
**Peanut Yield and Grade Performance, 2023, Irrigated (Continued)**

Variety	Maturity	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
<b><u>Spanish Types</u></b>							
Georgia-SP/RKN	M+	<b>4,609</b>	74.0	3.5	1.0	.	884
Georgia-17SP	M+	<b>4,472</b>	72.5	4.0	1.5	.	867
Georgia-04S	M	2,626	71.0	6.5	0.5	.	1,049
OLe`	E	2,395	62.0	6.0	0.5	.	1,077
Tamnut OL06	E+	2,364	61.0	5.5	0.0	.	1,067
Schubert	E+	2,326	61.0	7.0	0.5	.	1,075
Georgia Browne	M	2,095	68.5	7.0	1.0	.	1,100
OLin	E+	1,452	61.0	7.5	0.0	.	1,165
<b><u>Valencia Types</u></b>							
Georgia Red	E+	2,359	63.0	8.5	1.0	.	1,210
Georgia Valencia	E+	2,203	53.5	7.0	1.5	.	943
N. M. Val. A	E	1,885	60.5	7.0	1.5	.	1,120
Georgia-Val/HO	E+	1,880	56.0	8.5	2.0	.	987
N. M. Val. C	E	1,628	57.5	7.5	1.5	.	1,105
TAM Val. OL14	E	1,593	56.0	9.5	2.0	.	1,109
NuMex-01	E	1,499	53.5	11.5	1.5	.	1,127
H & W Val. 118	E	1,408	57.5	8.5	1.5	.	1,128
H & W Val. 136	E	1,381	55.5	7.5	1.5	.	1,106
Average		2,264	61.4	7.3	1.1	-	1,057
LSD at 10% Level		173	2.4	1.6	0.8	-	74
Model R-square		0.95	0.96	0.84	0.71	-	0.88
C.V.		10.2	3.0	16.1	52.4	-	5.2

Planted:	May 24, 2023.	Digging Date by Maturity:
Soil Type:	Tifton loamy sand.	E 8-Sep
Soil Test:	30 lb P <sub>2</sub> O <sub>5</sub> , 193 lb K <sub>2</sub> O/acre, and pH = 5.9.	E+ 8-Sep
Preplant Fertilizer:	None.	M 10-Oct
Previous Crop:	Cotton.	M+ 24-Oct
Tillage:	Conventional.	
Herbicides:	Sonalan, Dual Magnum, Basagran, and Select.	
Fungicides:	Fontelis, Chlorothalonil, and Tebuconazole.	
Irrigation:	6.5 inches.	

Note: Due to excessive rainfall, digging of varieties in the E and E+ maturity groups was delayed. This resulted in lower yields and grades compared to previous years.

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

**Tifton, Georgia:  
Peanut Yield and Grade Performance, 2023, Dryland**

Variety	Maturity	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
<b><u>Runner Types</u></b>							
Georgia-21GR	M+	<b>5,634</b>	74.0	4.0	1.5	0.0	772
Georgia-23RKN	M+	5,047	69.5	5.0	1.5	0.0	819
Georgia-12Y	ML	4,870	64.0	6.5	1.5	0.0	875
CB 7	M	4,756	71.0	5.5	1.5	0.0	1,027
Georgia-20VHO	M	4,724	74.0	4.5	1.0	0.0	878
TifNV-HG	M	4,681	69.5	4.5	1.5	0.0	742
GA 192517	M+	4,667	72.5	4.0	1.0	0.0	819
GA 192710	M+	4,640	72.0	4.5	2.0	0.0	763
Georgia-16HO	M	4,638	71.0	4.5	1.5	0.0	833
Georgia-18RU	M+	4,637	72.0	4.0	1.0	0.0	847
Georgia-22MPR	ML	4,637	68.0	5.5	1.0	0.0	847
GA 182521	ML	4,564	68.5	4.5	2.0	0.0	789
GA 182729	M+	4,515	75.5	3.0	1.0	0.0	740
TUFRunnerTM '297'	M	4,398	68.0	6.5	1.0	0.0	751
FloRunTM 'T61'	M	4,367	69.5	5.5	1.0	0.0	841
FloRunTM '52N'	M	4,262	68.0	7.0	1.0	0.0	987
GA 182726	M	4,259	76.0	4.0	0.5	0.0	692
Georgia Greener	M	4,219	72.5	5.0	1.0	0.0	897
Georgia-06G	M	4,207	70.0	6.0	1.0	0.0	787
CB 1	M	4,133	70.5	5.5	1.0	0.0	1,136
TifNV-High O/L	M	4,058	67.5	6.5	1.0	0.0	831
Georgia-09B	M	4,000	70.5	5.0	0.5	0.0	849
Georgia-14N	M+	3,854	69.0	6.5	2.0	0.0	900
AU-NPL 17	M	3,818	66.0	6.0	1.0	0.0	789
FloRunTM '331'	M	3,713	65.5	7.0	2.0	0.0	872
Tifguard	M	3,640	68.0	6.0	1.0	0.0	824
CB 2	M	3,639	71.0	6.5	1.0	0.0	898
<b><u>Virginia Types</u></b>							
TifJumbo	M	4,384	70.0	3.5	2.0	37.0	763
Georgia-19HP	M	4,324	69.5	4.0	1.0	39.5	777
Georgia-11J	ML	3,560	56.0	5.0	3.0	28.5	735
Average		4,361	69.6	5.2	1.3	3.5	836
LSD at 10% Level		274	2.0	1.2	0.6	0.9	69
Model R-square		0.73	0.92	0.76	0.72	1.00	0.86
C.V.		8.4	2.2	16.9	37.6	19.1	6.3

Planted: May 24, 2023.  
 Soil Type: Tifton loamy sand.  
 Soil Test: 38 lb P<sub>2</sub>O<sub>5</sub>, 141 lb K<sub>2</sub>O/acre, and pH = 5.7.  
 Preplant Fertilizer: None.  
 Previous Crop: Grain sorghum.  
 Tillage: Conventional.  
 Herbicides: Sonalan, Dual Magnum, Basagran, and Select.  
 Fungicides: Fontelis, Chlorothalonil, and Tebuconazole.  
 Irrigation: None.

Digging Date by Maturity:  
 M 10-Oct  
 M+ 24-Oct  
 ML 24-Oct

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



## Midville, Georgia: Peanut Yield and Grade Performance, 2023, Irrigated

Variety	Maturity	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
<b>Runner Types</b>							
TifNV-HG	M	6,741	73.5	3.0	0.0	0.0	680
Georgia-21GR	M+	6,609	76.5	2.5	0.5	0.0	696
TUFRunnerTM '297'	M	6,601	72.0	4.0	0.5	0.0	734
FloRunTM '331'	M	6,402	71.5	5.0	0.0	0.0	860
Georgia-20VHO	M	6,360	76.5	3.0	0.0	0.0	794
Georgia-12Y	ML	6,173	70.5	4.5	0.5	0.0	723
CB 1	M	6,167	73.0	4.5	0.5	0.0	1,012
Georgia-18RU	M+	6,144	76.0	3.5	0.0	0.0	741
FloRunTM 'T61'	M	6,126	73.5	4.0	0.0	0.0	739
Georgia-09B	M	6,086	74.0	4.0	0.0	0.0	763
AU-NPL 17	M	6,031	72.5	3.0	0.5	0.0	721
Georgia-06G	M	5,986	75.0	3.0	0.0	0.0	665
FloRunTM '52N'	M	5,969	73.0	5.0	0.0	0.0	786
GA 192710	M+	5,937	75.5	3.0	0.5	0.0	660
Georgia Greener	M	5,905	74.5	3.5	0.0	0.0	753
GA 192517	M+	5,904	75.0	3.5	0.0	0.0	720
Georgia-22MPR	ML	5,904	73.5	3.5	0.5	0.0	747
Georgia-16HO	M	5,834	75.0	3.0	0.0	0.0	742
Georgia-23RKN	M+	5,725	74.5	3.5	0.0	0.0	698
Tifguard	M	5,723	72.5	4.0	0.0	0.0	729
TifNV-High O/L	M	5,524	72.5	4.0	0.0	0.0	702
CB 7	M	5,441	73.5	4.5	0.0	0.0	965
CB 2	M	5,361	76.0	3.5	0.0	0.0	827
GA 182521	ML	5,181	74.5	3.5	0.0	0.0	619
Georgia-14N	M+	5,181	75.0	4.0	0.0	0.0	814
GA 182729	M+	5,014	78.0	2.5	0.0	0.0	598
GA 182726	M	4,868	78.0	2.0	0.0	0.0	630
<b>Virginia Types</b>							
Georgia-11J	ML	<b>7,401</b>	72.0	3.0	0.5	50.0	657
Georgia-19HP	M	6,513	74.0	2.5	0.0	47.5	753
TifJumbo	M	6,472	73.5	3.0	0.0	35.5	788
Average		5,976	74.2	3.5	-	4.4	744
LSD at 10% Level		369	1.7	0.7	NS	0.7	55
Model R-square		0.66	0.81	0.80	-	1.00	0.90
C.V.		8.3	1.7	15.3	-	12.1	5.7

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

Planted:	May 30, 2023.	Digging Date by Maturity:
Soil Type:	Dothan sandy loam.	M 19-Oct
Soil Test:		M+ 26-Oct
Preplant Fertilizer:		ML 26-Oct
Previous Crop:		
Tillage:	Conventional.	
Herbicides:	Valor, Strongarm, Storm, Dual, and 2,4-DB.	
Fungicides:	Convoy, Chlorothalonil, Tebuconazole, Topsin, and Acropolis.	
Irrigation:	5.8 inches.	

Test conducted by M. Cofield, D. Dunn, J. Lanier, W. Mosteller, R. Milton, and T. Woodward.

## Midville, Georgia: Peanut Yield and Grade Performance, 2023, Dryland

Variety	Maturity	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
<b><u>Runner Types</u></b>							
TUFRunnerTM '297'	M	<b>6,947</b>	72.0	4.0	0.0	0.0	785
Georgia-06G	M	<b>6,893</b>	71.5	5.0	0.5	0.0	779
Georgia-12Y	ML	<b>6,793</b>	69.0	5.0	0.0	0.0	720
Georgia-23RKN	M+	<b>6,765</b>	73.0	3.0	1.5	0.0	687
TifNV-HG	M	<b>6,765</b>	71.0	4.5	0.0	0.0	761
Georgia-09B	M	<b>6,723</b>	74.0	4.5	0.0	0.0	759
FloRunTM '331'	M	<b>6,723</b>	71.0	5.5	0.0	0.0	753
Georgia-22MPR	ML	<b>6,686</b>	73.0	3.5	0.5	0.0	682
CB 1	M	<b>6,602</b>	71.5	5.5	0.0	0.0	946
CB 7	M	6,538	72.5	4.5	0.5	0.0	928
Tifguard	M	6,513	71.0	4.5	0.5	0.0	750
Georgia-18RU	M+	6,430	75.5	3.0	0.5	0.0	709
GA 192517	M+	6,414	74.5	4.5	0.0	0.0	761
Georgia-14N	M+	6,390	76.5	3.0	0.0	0.0	780
GA 192710	M+	6,390	75.0	3.5	1.0	0.0	636
Georgia-16HO	M	6,389	74.0	3.5	0.0	0.0	736
GA 182729	M+	6,350	78.0	2.5	0.0	0.0	634
CB 2	M	6,238	72.5	4.0	0.0	0.0	780
FloRunTM 'T61'	M	6,197	72.0	4.0	0.0	0.0	779
TifNV-High O/L	M	6,168	69.5	5.0	1.0	0.0	750
Georgia-20VHO	M	6,086	75.0	3.5	0.0	0.0	773
Georgia Greener	M	6,016	73.0	5.0	0.0	0.0	724
AU-NPL 17	M	6,016	69.0	5.0	0.5	0.0	758
FloRunTM '52N'	M	5,987	74.0	4.5	0.0	0.0	779
GA 182521	ML	5,821	73.0	4.5	0.5	0.0	641
GA 182726	M	5,783	77.0	2.5	0.0	0.0	667
Georgia-21GR	M+	5,740	76.0	3.5	0.0	0.0	729
<b><u>Virginia Types</u></b>							
Georgia-11J	ML	<b>7,618</b>	72.0	2.5	0.0	48.5	706
TifJumbo	M	<b>7,397</b>	73.5	3.0	0.0	38.0	768
Georgia-19HP	M	<b>6,612</b>	73.0	3.0	1.0	47.0	721
Average		6,466	73.1	4.0	0.3	4.5	746
LSD at 10% Level		365	2.4	1.2	0.4	2.5	77
Model R-square		0.54	0.77	0.72	0.79	0.99	0.78
C.V.		7.6	2.5	23.1	119.3	42.7	7.8

Planted:	May 26, 2023.	Digging Date by Maturity:
Soil Type:	Dothan sandy loam.	M 19-Oct
Soil Test:		M+ 26-Oct
Preplant Fertilizer:		ML 26-Oct
Previous Crop:		
Tillage:	Conventional.	
Herbicides:	Valor, Strongarm, Storm, Dual, and 2,4-DB.	
Fungicides:	Convoy, Chlorothalonil, Tebuconazole, Topsin, and Acropolis.	
Irrigation:	None.	

Test conducted by M. Cofield, D. Dunn, J. Lanier, W. Mosteller, R. Milton, and T. Woodward.

**Plains, Georgia:  
Peanut Yield and Grade Performance, 2023, Irrigated**

Variety	Maturity	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
<b><u>Runner Types</u></b>							
Georgia-14N	M+	<b>5,005</b>	78.0	2.0	0.5	0.0	772
FloRunTM '331'	M	<b>4,976</b>	74.0	3.0	0.5	0.0	779
Georgia-12Y	ML	<b>4,838</b>	76.0	2.0	0.5	0.0	741
FloRunTM '52N'	M	<b>4,827</b>	76.0	3.0	0.0	0.0	807
TifNV-HG	M	<b>4,741</b>	75.5	2.5	0.5	0.0	713
Georgia-22MPR	ML	<b>4,706</b>	77.0	1.5	0.5	0.0	690
TUFRunnerTM '297'	M	<b>4,680</b>	75.0	2.0	1.0	0.0	720
GA 192517	M+	4,599	78.0	2.0	0.5	0.0	738
AU-NPL 17	M	4,542	74.0	3.5	0.0	0.0	777
CB 2	M	4,498	77.0	2.5	1.0	0.0	757
Georgia-18RU	M+	4,474	79.5	1.5	0.0	0.0	691
Georgia Greener	M	4,403	77.5	2.0	0.0	0.0	832
Georgia-23RKN	M+	4,386	76.5	2.5	0.5	0.0	718
TifNV-High O/L	M	4,379	74.5	2.5	0.0	0.0	729
Georgia-21GR	M+	4,321	78.0	2.5	0.5	0.0	736
CB 1	M	4,286	75.5	4.5	0.0	0.0	965
CB 7	M	4,273	75.0	4.0	0.5	0.0	825
FloRunTM 'T61'	M	4,165	74.0	3.0	0.5	0.0	747
Georgia-06G	M	4,115	75.5	2.5	0.5	0.0	687
GA 182729	M+	4,111	80.5	1.0	0.0	0.0	656
Tifguard	M	4,027	76.0	2.0	0.0	0.0	726
Georgia-20VHO	M	4,004	76.5	3.0	0.5	0.0	779
GA 182521	ML	3,992	76.5	2.0	1.0	0.0	648
Georgia-09B	M	3,983	77.5	2.0	0.0	0.0	803
GA 192710	M+	3,842	77.0	2.5	0.5	0.0	672
GA 182726	M	3,822	79.0	1.5	0.0	0.0	704
Georgia-16HO	M	3,742	75.0	3.5	0.5	0.0	745
<b><u>Virginia Types</u></b>							
Georgia-11J	ML	<b>4,793</b>	74.0	1.0	1.0	47.0	660
TifJumbo	M	4,478	75.5	1.5	0.5	33.5	742
Georgia-19HP	M	4,464	76.5	1.0	0.5	43.0	665
Average		4,382	76.4	2.3	0.4	4.1	741
LSD at 10% Level		328	1.4	0.9	0.7	1.7	46
Model R-square		0.44	0.83	0.76	0.45	1.00	0.88
C.V.		10.1	1.4	29.7	130.8	30.8	4.8

Planted:	May 31, 2023.	Digging Date by Maturity:
Soil Type:	Greenville sandy clay loam.	M 19-Oct
Soil Test:		M+ 27-Oct
Preplant Fertilizer:		ML 27-Oct
Previous Crop:		
Tillage:	Conventional.	
Herbicides:	Valor, Prowl, Select, Dual Magnum, Storm, and Cadre.	
Fungicides:	Bravo, Provost, and Convoy.	
Irrigation:	8.5 inches.	

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

## Plains, Georgia: Peanut Yield and Grade Performance, 2023, Dryland

Variety	Maturity	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
<b>Runner Types</b>							
Georgia-14N	M+	<b>4,404</b>	76.5	3.0	0.5	0.0	729
GA 192517	M+	<b>4,403</b>	75.0	2.5	1.0	0.0	694
Georgia-22MPR	ML	<b>4,222</b>	74.0	1.5	1.5	0.0	660
Georgia-12Y	ML	<b>4,210</b>	74.5	2.0	1.0	0.0	680
Georgia-23RKN	M+	4,104	74.5	2.5	1.5	0.0	690
Georgia-21GR	M+	4,060	75.5	2.0	1.0	0.0	696
GA 182521	ML	3,785	75.0	2.0	1.5	0.0	610
GA 192710	M+	3,605	75.5	2.0	1.0	0.0	632
Georgia-18RU	M+	3,578	73.5	2.5	2.0	0.0	677
GA 182729	M+	3,560	78.0	1.5	1.0	0.0	611
CB 1	M	3,332	73.5	3.5	1.0	0.0	936
FloRunTM '52N'	M	3,269	73.5	3.0	1.0	0.0	769
TUFRunnerTM '297'	M	3,238	73.5	2.5	1.0	0.0	646
Georgia-09B	M	3,163	76.5	2.5	0.5	0.0	725
FloRunTM '331'	M	3,150	73.5	2.5	0.0	0.0	726
FloRunTM 'T61'	M	3,132	73.5	3.0	1.5	0.0	732
TifNV-HG	M	3,119	73.0	2.5	1.0	0.0	597
Georgia Greener	M	3,107	74.0	2.5	1.0	0.0	726
AU-NPL 17	M	3,107	73.0	2.5	1.0	0.0	680
Georgia-20VHO	M	2,982	76.0	2.5	0.5	0.0	747
Tifguard	M	2,925	73.0	2.0	1.0	0.0	670
Georgia-06G	M	2,919	74.0	2.0	1.0	0.0	701
GA 182726	M	2,820	77.0	1.5	0.5	0.0	652
CB 7	M	2,788	76.0	2.0	1.0	0.0	864
Georgia-16HO	M	2,770	75.0	2.5	1.0	0.0	688
CB 2	M	2,714	75.5	2.0	1.0	0.0	730
TifNV-High O/L	M	2,639	73.0	3.0	1.0	0.0	643
<b>Virginia Types</b>							
Georgia-11J	ML	4,104	71.5	2.0	1.5	46.5	621
TifJumbo	M	2,906	73.0	2.0	2.0	33.0	717
Georgia-19HP	M	2,895	75.0	1.5	1.0	42.5	655
Average		3,367	74.5	2.3	1.1	4.1	697
LSD at 10% Level		259	1.5	NS	NS	2.9	40
Model R-square		0.76	0.83	0.58	0.61	0.99	0.92
C.V.		10.3	1.6	28.8	67.0	53.5	4.3

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

Planted:	May 31, 2023.	Digging Date by Maturity:
Soil Type:	Greenville sandy clay loam.	M 19-Oct
Soil Test:		M+ 27-Oct
Preplant Fertilizer:		ML 27-Oct
Previous Crop:		
Tillage:	Conventional.	
Herbicides:	Valor, Prowl, Select, Dual Magnum, Storm, and Cadre.	
Fungicides:	Bravo, Provost, and Convoy.	
Irrigation:	None.	

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

## Multi-Location Summary of Seed Cotton Yields, 2023

Brand	Variety	Irrigated				Dryland		
		Midville	Plains	Tifton	Bainbridge	Midville	Plains	Tifton
-----lb/acre-----								
<b>OVT - Glyphosate tolerant</b>								
Armor	9371 B3XF	<b>4,627</b>	2,586	<b>3,217</b>	4,628	2,764	1,568	<b>3,855</b>
Armor	9383 B3TXF	4,017	2,414	2,236	4,168	<b>3,142</b>	1,842	3,533
Armor	9831 B3XF	<b>4,481</b>	2,878	<b>3,322</b>	<b>4,779</b>	3,013	1,738	3,150
Deltapine	DP 1646 B2XF	4,205	2,306	2,688	4,506	2,771	1,665	3,281
Deltapine	DP 2012 B3XF	<b>4,548</b>	2,646	3,127	<b>5,005</b>	2,735	1,827	3,290
Deltapine	DP 2055 B3XF	4,349	2,461	2,879	4,251	2,694	1,662	3,249
Deltapine	DP 2115 B3XF	<b>4,518</b>	2,856	1,918	4,128	2,854	1,770	3,468
Deltapine	DP 2127 B3XF	<b>4,659</b>	2,764	<b>3,603</b>	4,953	2,806	1,851	3,571
Deltapine	DP 2131 B3TXF	4,355	2,651	<b>3,151</b>	4,445	2,939	1,607	<b>4,088</b>
Deltapine	DP 2141NR B3XF	3,962	2,361	2,838	4,319	2,620	1,713	3,223
Deltapine	DP 2211 B3TXF	4,376	2,389	<b>3,486</b>	4,334	3,083	1,498	<b>3,752</b>
Deltapine	DP 2239 B3XF	4,033	2,595	2,553	4,154	2,213	1,428	2,685
Deltapine	DP 2328 B3TXF	4,062	2,657	2,864	4,436	2,603	1,816	3,645
Deltapine	DP 2333 B3XF	4,167	2,603	2,870	4,568	2,678	<b>1,939</b>	3,182
Deltapine	DP 2349NR B3XF	4,054	2,618	2,553	4,356	2,802	<b>2,097</b>	3,018
Dyna-Gro	DG 3519 B3XF	3,794	2,653	2,584	<b>4,717</b>	2,378	<b>1,995</b>	3,157
Dyna-Gro	DG 3528 B3XF	<b>4,467</b>	<b>2,976</b>	2,948	4,356	<b>3,332</b>	<b>1,910</b>	3,690
Dyna-Gro	DG 3615 B3XF	<b>4,567</b>	2,829	2,338	4,133	2,649	1,708	<b>3,741</b>
Dyna-Gro	DG 3799 B3XF	<b>4,594</b>	<b>2,946</b>	<b>3,158</b>	4,225	2,665	1,808	3,573
Dyna-Gro	DG 4484 B3TXF	3,920	2,606	2,613	3,645	2,714	1,660	3,205
NEXGEN	AMX160030-A B3XF	3,466	2,390	2,000	3,258	1,742	1,492	2,199
NEXGEN	AMX160030-B B3XF	4,110	2,438	2,891	4,397	2,613	1,829	3,489
NEXGEN	AMX20T079 B3XF	3,926	2,401	2,703	3,668	2,760	1,653	3,036
NEXGEN	AMX20T114 B3XF	3,773	2,134	1,916	3,401	2,154	1,373	2,540
NEXGEN	AMX20T157 B3XF	3,640	2,494	2,311	4,492	2,392	1,558	2,929
NEXGEN	NG 3195 B3XF	4,287	2,666	2,669	4,324	<b>3,231</b>	1,763	3,517
NEXGEN	NG 4190 B3XF	<b>4,661</b>	2,502	2,729	4,611	<b>3,210</b>	1,693	<b>3,881</b>
NEXGEN	NG 4335 B3TXF	3,948	2,572	2,513	4,156	2,852	<b>1,890</b>	3,411
NEXGEN	NG 4343 B3TXF	4,093	2,530	2,337	4,206	2,423	1,601	3,118
PhytoGen	1130B333-04	4,211	2,842	2,331	4,118	2,789	1,500	2,763
PhytoGen	1130D303-04	3,918	2,232	2,067	4,199	2,941	1,248	3,182
PhytoGen	1140A385-04	4,037	2,201	2,359	4,423	2,640	1,580	3,182
PhytoGen	1140B373-04	4,222	2,715	2,800	4,291	2,885	1,510	3,515
PhytoGen	1140D328-04	4,254	2,790	3,129	4,480	2,991	1,637	3,460
PhytoGen	PHY 475 W3FE	4,067	<b>3,039</b>	3,018	4,157	2,535	1,874	3,511
PhytoGen	1150D490-04	4,160	2,706	2,593	4,524	2,571	1,744	3,266
PhytoGen	PHY 360 W3FE	4,150	2,588	2,661	4,319	2,663	1,689	3,216
PhytoGen	PHY 400 W3FE	4,319	2,605	3,122	4,145	2,726	1,549	3,521
PhytoGen	PHY 411 W3FE	4,100	2,342	2,756	4,517	2,775	1,649	2,750
PhytoGen	PHY 415 W3FE	4,031	2,791	2,508	4,374	2,930	1,625	3,543
PhytoGen	PHY 443 W3FE	3,897	2,689	3,012	3,985	2,606	1,390	3,492
PhytoGen	PHY 545 W3FE	3,986	2,453	2,506	4,076	2,767	1,740	3,256
Stoneville	ST 4595B3XF	<b>4,497</b>	2,659	2,937	4,578	2,778	<b>1,979</b>	3,222
Stoneville	ST 4990B3XF	<b>4,662</b>	<b>3,186</b>	3,025	4,555	2,867	<b>1,878</b>	<b>3,737</b>
Stoneville	ST 5091B3XF	<b>4,464</b>	2,862	<b>3,252</b>	<b>4,879</b>	2,935	1,685	3,567
Average		4,196	2,606	2,744	4,318	2,736	1,703	3,320
LSD at 10% Level		266	302	455	304	236	222	390
Model R-square		0.69	0.75	0.71	0.80	0.75	0.68	0.75
C.V.		6.97	13.04	18.09	7.68	9.45	14.4	12.96
	Planted	4-May	9-May	2-May	17-May	4-May	9-May	2-May
	Harvested	11-Oct	6-Nov	5-Oct	18-Oct	10-Oct	6-Nov	4-Oct

## Multi-Location Summary of Seed Cotton Yields, 2023 (Continued)

Brand	Variety	Irrigated				Dryland		
		Midville	Plains	Tifton	Bainbridge	Midville	Plains	Tifton
-----lb/acre-----								
<b>Strains - conventional herbicide program</b>								
Deltapine	DP 1646 B2XF	3,684	2,372	1,918				
Deltapine	DP 2055 B3XF	3,933	<b>2,916</b>	2,299				
Deltapine	DP 2349NR B3XF	3,570	<b>2,765</b>	1,863				
Dyna-Gro	DG 3799 B3XF	<b>4,241</b>	2,432	2,335				
SSG	UA 114	3,424	1,627	2,269				
SSG	UA 222	3,334	2,093	<b>2,819</b>				
SSG	UA 248	3,763	2,251	2,099				
Stoneville	ST 4990B3XF	<b>4,417</b>	<b>2,819</b>	<b>3,055</b>				
UGA	GA 2020017	4,090	2,347	<b>2,777</b>				
UGA	GA 2020023	3,981	2,390	<b>2,741</b>				
UGA	GA 2020033	4,054	2,529	2,214				
UGA	GA 2020034	4,162	2,033	2,474				
UGA	GA 2020043	3,479	2,257	2,214				
UGA	GA 2020048	3,612	2,075	2,583				
Average		3,839	2,350	2,404				
LSD at 10% Level		233	377	424				
Model R-square		0.89	0.55	0.82				
C.V.		6.32	17.41	19.11				
Planted		4-May	9-May	2-May				
Harvested		19-Oct	6-Nov	4-Oct				

## Multi-Location Summary of Lint Yields, 2023

Brand	Variety	Irrigated				Dryland		
		Midville	Plains	Tifton	Bainbridge	Midville	Plains	Tifton
-----lb/acre-----								
<b>OVT - Glyphosate tolerant</b>								
Armor	9371 B3XF	<b>2,121</b>	1,375	<b>1,333</b>	2,304	1,260	819	<b>1,679</b>
Armor	9383 B3TXF	1,800	1,184	809	2,032	1,325	881	1,431
Armor	9831 B3XF	<b>2,033</b>	<b>1,477</b>	<b>1,373</b>	2,379	1,342	899	1,415
Deltapine	DP 1646 B2XF	1,873	1,207	1,070	2,323	1,210	851	1,435
Deltapine	DP 2012 B3XF	<b>2,038</b>	1,347	1,233	<b>2,475</b>	1,167	881	1,413
Deltapine	DP 2055 B3XF	1,962	1,293	1,143	2,136	1,177	876	1,409
Deltapine	DP 2115 B3XF	<b>2,040</b>	<b>1,569</b>	768	2,149	1,280	919	1,539
Deltapine	DP 2127 B3XF	<b>2,132</b>	1,440	<b>1,484</b>	<b>2,536</b>	1,251	978	1,574
Deltapine	DP 2131 B3TXF	2,000	1,425	1,280	2,276	1,334	833	<b>1,825</b>
Deltapine	DP 2141NR B3XF	1,791	1,265	1,105	2,124	1,135	863	1,380
Deltapine	DP 2211 B3TXF	2,008	1,260	<b>1,418</b>	2,218	<b>1,367</b>	790	<b>1,684</b>
Deltapine	DP 2239 B3XF	1,841	1,383	1,050	2,097	968	723	1,196
Deltapine	DP 2328 B3TXF	1,864	1,458	1,169	2,301	1,177	945	1,636
Deltapine	DP 2333 B3XF	1,894	1,336	1,191	2,337	1,183	<b>998</b>	1,474
Deltapine	DP 2349NR B3XF	1,802	1,386	1,001	2,256	1,269	<b>1,098</b>	1,352
Dyna-Gro	DG 3519 B3XF	1,727	1,359	1,018	2,287	1,032	<b>983</b>	1,350
Dyna-Gro	DG 3528 B3XF	1,965	<b>1,563</b>	1,138	2,199	<b>1,449</b>	978	1,572
Dyna-Gro	DG 3615 B3XF	<b>2,079</b>	1,437	953	2,040	1,076	850	1,613
Dyna-Gro	DG 3799 B3XF	<b>2,072</b>	<b>1,509</b>	1,250	2,134	1,115	914	1,566
Dyna-Gro	DG 4484 B3TXF	1,788	1,437	1,118	1,962	1,269	895	1,506
NEXGEN	AMX160030-A B3XF	1,563	1,246	851	1,652	782	783	981
NEXGEN	AMX160030-B B3XF	1,848	1,258	1,130	2,159	1,089	924	1,505
NEXGEN	AMX20T079 B3XF	1,748	1,239	1,042	1,794	1,219	856	1,322
NEXGEN	AMX20T114 B3XF	1,704	1,090	737	1,661	902	710	1,058
NEXGEN	AMX20T157 B3XF	1,643	1,267	921	2,211	982	793	1,241
NEXGEN	NG 3195 B3XF	1,955	1,394	1,018	2,179	<b>1,395</b>	907	1,556
NEXGEN	NG 4190 B3XF	<b>2,098</b>	1,323	1,069	2,293	<b>1,400</b>	859	<b>1,681</b>
NEXGEN	NG 4335 B3TXF	1,777	1,340	979	2,071	1,258	993	1,461
NEXGEN	NG 4343 B3TXF	1,854	1,288	909	2,051	1,034	822	1,308
PhytoGen	1130B333-04	1,877	1,453	853	2,078	1,203	720	1,138
PhytoGen	1130D303-04	1,745	1,140	782	2,193	1,240	650	1,346
PhytoGen	1140A385-04	1,840	1,154	953	2,323	1,191	835	1,428
PhytoGen	1140B373-04	1,910	1,413	1,085	2,131	1,226	751	1,487
PhytoGen	1140D328-04	1,910	1,370	1,212	2,237	1,324	842	1,483
PhytoGen	1150D490-04	1,897	1,450	1,091	2,334	1,117	909	1,453
PhytoGen	PHY 360 W3FE	1,879	1,334	1,019	2,147	1,181	845	1,355
PhytoGen	PHY 400 W3FE	1,931	1,328	1,211	2,082	1,190	782	1,494
PhytoGen	PHY 411 W3FE	1,864	1,234	1,112	2,353	1,263	871	1,231
PhytoGen	PHY 415 W3FE	1,824	1,467	986	2,288	1,256	837	1,544
PhytoGen	PHY 443 W3FE	1,738	1,405	1,146	2,069	1,168	746	1,573
PhytoGen	PHY 475 W3FE	1,826	<b>1,536</b>	1,140	2,019	1,059	933	1,494
PhytoGen	PHY 545 W3FE	1,798	1,295	1,028	2,085	1,253	943	1,434
Stoneville	ST 4595B3XF	<b>2,037</b>	1,395	1,192	2,335	1,236	<b>1,078</b>	1,416
Stoneville	ST 4990B3XF	<b>2,064</b>	<b>1,630</b>	1,171	2,180	1,181	900	1,542
Stoneville	ST 5091B3XF	1,993	<b>1,509</b>	<b>1,309</b>	<b>2,483</b>	<b>1,358</b>	899	1,613
Average		1,893	1,359	1,088	2,179	1,196	875	1,447
LSD at 10% Level		123	157	181	153	103	114	170
Model R-square		0.69	0.75	0.72	0.81	0.77	0.68	0.76
CV		7.14	13.05	18.12	7.66	9.42	14.46	13
	Planted	4-May	9-May	2-May	17-May	4-May	9-May	2-May
	Harvested	11-Oct	6-Nov	5-Oct	18-Oct	10-Oct	6-Nov	4-Oct

## Multi-Location Summary of Lint Yields, 2023 (Continued)

Brand	Variety	Irrigated				Dryland		
		Midville	Plains	Tifton	Bainbridge	Midville	Plains	Tifton
		-----lb/acre-----						
<b>Strains - conventional herbicide program</b>								
Dyna-Gro	DG 3799 B3XF	<b>2,323</b>	1,036	<b>1,028</b>				
Deltapine	DP 1646 B2XF	1,911	1,031	883				
Deltapine	DP 2055 B3XF	2,044	<b>1,297</b>	975				
Deltapine	DP 2349NR B3XF	1,897	<b>1,270</b>	776				
UGA	GA 2020017	2,019	988	<b>1,132</b>				
UGA	GA 2020023	1,974	1,023	<b>1,125</b>				
UGA	GA 2020033	1,935	1,098	948				
UGA	GA 2020034	2,064	860	968				
UGA	GA 2020043	1,740	921	915				
UGA	GA 2020048	1,806	853	1,009				
Stoneville	ST 4990B3XF	2,182	<b>1,157</b>	<b>1,188</b>				
SSG	UA 114	1,611	655	830				
SSG	UA 222	1,638	831	<b>1,114</b>				
SSG	UA 248	1,765	853	787				
Average		1,922	991	977				
LSD at 10% Level		114	160	175				
Model R-square		0.92	0.63	0.81				
CV		6.30	17.54	19.38				
Planted		4-May	9-May	2-May				
Harvested		19-Oct	6-Nov	4-Oct				



## Multi-Location Summary of Gin Turnout Rates, 2023

Brand	Variety	Irrigated				Dryland		
		Midville	Plains	Tifton	Bainbridge	Midville	Plains	Tifton
-----Percent Lint-----								
<b>OVT - Glyphosate tolerant</b>								
Armor	9371 B3XF	46.2	53.3	<b>41.4</b>	49.8	45.5	52.3	43.6
Armor	9383 B3TXF	42.4	49.0	36.2	48.7	42.1	48.3	40.6
Armor	9831 B3XF	44.8	51.3	<b>41.6</b>	49.8	44.6	51.8	44.5
Deltapine	DP 1646 B2XF	45.6	52.4	40.1	51.5	43.6	51.3	43.8
Deltapine	DP 2012 B3XF	43.3	51.0	39.0	49.4	42.6	48.3	42.9
Deltapine	DP 2055 B3XF	45.9	52.5	39.9	50.3	43.5	52.5	43.5
Deltapine	DP 2115 B3XF	45.8	<b>54.9</b>	40.2	52.1	44.8	51.7	44.4
Deltapine	DP 2127 B3XF	46.1	52.1	41.2	51.2	44.8	52.7	43.8
Deltapine	DP 2131 B3TXF	46.7	53.7	40.6	51.2	<b>45.7</b>	52.2	44.8
Deltapine	DP 2141NR B3XF	45.6	53.5	38.8	49.2	43.7	50.4	42.4
Deltapine	DP 2211 B3TXF	45.8	52.6	40.8	51.1	44.2	53.2	44.9
Deltapine	DP 2239 B3XF	46.3	53.2	<b>41.3</b>	50.5	43.6	50.9	44.2
Deltapine	DP 2328 B3TXF	46.8	<b>54.9</b>	40.9	51.9	45.1	51.9	45.0
Deltapine	DP 2333 B3XF	<b>47.1</b>	51.3	<b>41.4</b>	51.1	44.2	51.4	<b>46.0</b>
Deltapine	DP 2349NR B3XF	44.9	53.0	39.4	51.8	45.3	52.5	44.8
Dyna-Gro	DG 3519 B3XF	44.4	51.2	40.3	48.5	43.8	49.2	42.3
Dyna-Gro	DG 3528 B3XF	45.3	52.5	38.5	50.5	43.2	51.8	42.9
Dyna-Gro	DG 3615 B3XF	44.6	50.8	41.0	49.4	40.8	50.1	43.0
Dyna-Gro	DG 3799 B3XF	45.6	51.2	39.5	50.5	42.0	50.4	43.9
Dyna-Gro	DG 4484 B3TXF	<b>48.2</b>	<b>55.1</b>	<b>42.9</b>	<b>53.9</b>	<b>46.5</b>	<b>54.0</b>	<b>47.2</b>
NEXGEN	AMX160030-A B3XF	44.7	52.3	<b>42.8</b>	50.7	44.7	52.3	44.6
NEXGEN	AMX160030-B B3XF	43.9	51.7	39.0	49.0	41.6	50.1	43.4
NEXGEN	AMX20T079 B3XF	42.3	51.7	38.6	48.9	44.1	51.7	43.6
NEXGEN	AMX20T114 B3XF	45.0	51.1	38.3	48.9	41.9	51.4	41.8
NEXGEN	AMX20T157 B3XF	44.5	50.8	39.7	49.2	41.3	50.4	42.0
NEXGEN	NG 3195 B3XF	45.0	52.3	38.2	50.4	43.1	51.6	44.0
NEXGEN	NG 4190 B3XF	45.3	52.9	39.3	49.7	43.8	51.0	43.4
NEXGEN	NG 4335 B3TXF	44.4	52.2	38.9	49.8	44.0	52.6	42.9
NEXGEN	NG 4343 B3TXF	44.2	50.9	38.9	48.7	42.6	51.3	42.0
PhytoGen	1130B333-04	43.6	51.1	36.6	50.4	43.2	47.6	41.5
PhytoGen	1130D303-04	43.8	51.0	37.6	52.2	42.3	51.9	42.0
PhytoGen	1140A385-04	<b>47.6</b>	52.5	40.4	52.5	45.2	52.9	45.3
PhytoGen	1140B373-04	43.8	52.0	38.7	49.7	42.3	49.1	42.3
PhytoGen	1140D328-04	44.1	48.9	38.8	49.9	44.2	51.3	42.8
PhytoGen	1150D490-04	46.9	53.6	<b>42.3</b>	51.6	43.5	52.2	44.6
PhytoGen	PHY 360 W3FE	45.0	51.5	37.9	49.7	44.2	50.5	42.3
PhytoGen	PHY 400 W3FE	43.8	50.9	38.9	50.2	43.4	50.5	42.5
PhytoGen	PHY 411 W3FE	46.1	52.6	40.4	52.1	<b>45.9</b>	53.1	44.6
PhytoGen	PHY 415 W3FE	44.4	52.6	39.5	52.3	43.0	51.5	43.6
PhytoGen	PHY 443 W3FE	44.6	52.4	38.2	52.0	44.6	<b>53.5</b>	45.0
PhytoGen	PHY 545 W3FE	<b>47.1</b>	52.8	40.6	51.2	45.3	<b>54.4</b>	44.4
PhytoGen	PHY 475 W3FE	43.5	50.5	37.5	48.6	41.7	49.8	42.4
Stoneville	ST 4595B3XF	46.5	52.5	40.6	50.9	44.5	<b>54.5</b>	44.0
Stoneville	ST 4990B3XF	42.6	51.4	38.7	47.9	41.2	47.5	41.3
Stoneville	ST 5091B3XF	45.5	52.7	40.3	50.9	<b>46.3</b>	53.2	45.1
Average		45.1	52.1	39.7	50.5	43.7	51.4	43.6
LSD at 10% Level		1.1	1.3	1.7	1.4	0.9	1.3	1.3
Model R-square		0.84	0.86	0.85	0.86	0.93	0.91	0.87
CV		1.82	1.99	3.40	2.18	1.66	1.9	2.39
	Planted	4-May	9-May	2-May	17-May	4-May	9-May	2-May
	Harvested	11-Oct	6-Nov	5-Oct	18-Oct	10-Oct	6-Nov	4-Oct

## Multi-Location Summary of Gin Turnout Rates, 2023 (Continued)

Brand	Variety	Irrigated				Dryland		
		Midville	Plains	Tifton	Bainbridge	Midville	Plains	Tifton
		-----Percent Lint-----						
<b>Strains - conventional herbicide program</b>								
Dyna-Gro	DG 3799 B3XF	<b>54.8</b>	42.6	<b>44.0</b>	.	.	.	.
Deltapine	DP 1646 B2XF	51.8	43.5	<b>46.1</b>	.	.	.	.
Deltapine	DP 2055 B3XF	<b>52.0</b>	<b>44.5</b>	42.4	.	.	.	.
Deltapine	DP 2349NR B3XF	<b>53.2</b>	45.9	41.7	.	.	.	.
UGA	GA 2020017	49.4	42.1	40.8	.	.	.	.
UGA	GA 2020023	49.6	42.8	41.1	.	.	.	.
UGA	GA 2020033	47.8	43.4	42.8	.	.	.	.
UGA	GA 2020034	49.6	42.3	39.1	.	.	.	.
UGA	GA 2020043	50.0	40.8	41.3	.	.	.	.
UGA	GA 2020048	50.0	41.1	39.1	.	.	.	.
Stoneville	ST 4990B3XF	49.4	41.1	38.9	.	.	.	.
SSG	UA 114	47.0	40.2	36.6	.	.	.	.
SSG	UA 222	49.1	39.7	39.5	.	.	.	.
SSG	UA 248	46.9	37.9	37.5	.	.	.	.
Average		50.0	42.0	40.8	-	-	-	-
LSD at 10% Level		2.8	1.6	3.0	-	-	-	-
Model R-square		0.71	0.86	1.00	-	-	-	-
CV		4.17	2.69	5.37	-	-	-	-
Planted		4-May	9-May	2-May	-	-	-	-
Harvested		19-Oct	6-Nov	4-Oct	-	-	-	-

## Midville, Georgia: Cotton Variety Performance, 2023, Irrigated

Company or		Lint	Seed Cot.	Fiber Quality <sup>2</sup>					
Brand Name	Variety	Yield	Yield	Lint <sup>1</sup>	Length	Uniformity	Strength	Micronaire	Yellowness <sup>3</sup>
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
<b>OVT</b>									
Deltapine	DP 2127 B3XF	2132	4659	46.1	1.16	84.4	31.0	4.4	6.1
Armor	9371 B3XF	2,121	4,627	46.2	1.18	85.5	31.5	4.2	6.5
NEXGEN	NG 4190 B3XF	2,098	4,661	45.3	1.19	84.6	32.5	3.9	6.2
Dyna-Gro	DG 3615 B3XF	2,079	4,567	44.6	1.16	83.4	33.5	4.3	7.8
Dyna-Gro	DG 3799 B3XF	2,072	4,594	45.6	1.15	82.1	31.3	4.3	7.4
Stoneville	ST 4990B3XF	2,064	4,662	42.6	1.21	84.0	30.5	4.3	6.6
Deltapine	DP 2115 B3XF	2,040	4,518	45.8	1.18	83.8	31.0	4.3	6.6
Deltapine	DP 2012 B3XF	2,038	4,548	43.3	1.20	83.6	31.0	4.2	6.7
Stoneville	ST 4595B3XF	2,037	4,497	46.5	1.20	83.3	32.0	4.4	6.9
Armor	9831 B3XF	2,033	4,481	44.8	1.18	83.3	32.0	4.4	6.6
Deltapine	DP 2211 B3TXF	2,008	4,376	45.8	1.20	83.6	31.0	4.0	6.5
Deltapine	DP 2131 B3TXF	2,000	4,355	46.7	1.21	83.9	32.0	4.5	6.1
Stoneville	ST 5091B3XF	1,993	4,464	45.5	1.23	83.3	31.5	4.3	6.9
Dyna-Gro	DG 3528 B3XF	1,965	4,467	45.3	1.21	84.1	30.0	4.1	6.4
Deltapine	DP 2055 B3XF	1,962	4,349	45.9	1.23	83.7	31.3	4.2	6.5
NEXGEN	NG 3195 B3XF	1,955	4,287	45.0	1.19	83.9	32.0	4.3	6.4
PhytoGen	PHY 400 W3FE	1,931	4,319	43.8	1.21	84.1	34.5	3.7	6.2
PhytoGen	1140B373-04	1,910	4,222	43.8	1.18	84.2	32.5	4.2	6.7
PhytoGen	1140D328-04	1,910	4,254	44.1	1.23	83.6	34.5	4.4	6.8
PhytoGen	1150D490-04	1,897	4,160	46.9	1.12	81.7	29.5	4.1	6.6
Deltapine	DP 2333 B3XF	1,894	4,167	47.1	1.19	83.5	30.5	4.3	6.0
PhytoGen	PHY 360 W3FE	1,879	4,150	45.0	1.14	82.6	31.5	4.1	6.5
PhytoGen	1130B333-04	1,877	4,211	43.6	1.18	85.3	33.5	4.1	6.6
Deltapine	DP 1646 B2XF	1,873	4,205	45.6	1.24	84.0	31.8	4.0	6.4
Deltapine	DP 2328 B3TXF	1,864	4,062	46.8	1.16	83.2	31.0	4.1	6.3
PhytoGen	PHY 411 W3FE	1,864	4,100	46.1	1.12	83.1	31.5	4.1	6.2
NEXGEN	NG 4343 B3TXF	1,854	4,093	44.2	1.22	84.7	31.0	4.1	6.4
NEXGEN	AMX160030-B B3XF	1,848	4,110	43.9	1.18	83.6	32.5	4.3	7.2
Deltapine	DP 2239 B3XF	1,841	4,033	46.3	1.23	84.2	30.5	4.1	6.8
PhytoGen	1140A385-04	1,840	4,037	47.6	1.16	84.3	34.0	4.2	7.0
PhytoGen	PHY 475 W3FE	1,826	4,067	43.5	1.14	82.3	32.5	4.2	7.1
PhytoGen	PHY 415 W3FE	1,824	4,031	44.4	1.22	83.4	34.5	4.2	6.8
Deltapine	DP 2349NR B3XF	1,802	4,054	44.9	1.17	83.8	31.5	4.4	6.6
Armor	9383 B3TXF	1,800	4,017	42.4	1.18	84.0	29.5	4.1	6.9
PhytoGen	PHY 545 W3FE	1,798	3,986	47.1	1.15	82.7	31.0	3.8	6.9
Deltapine	DP 2141NR B3XF	1,791	3,961	45.6	1.20	83.7	33.3	4.3	7.0
Dyna-Gro	DG 4484 B3TXF	1,788	3,920	48.2	1.14	83.6	31.5	4.3	7.4
NEXGEN	NG 4335 B3TXF	1,777	3,948	44.4	1.20	85.1	33.0	4.0	7.3
NEXGEN	AMX20T079 B3XF	1,748	3,926	42.3	1.24	85.2	30.5	4.2	6.8
PhytoGen	1130D303-04	1,745	3,918	43.8	1.14	83.7	34.0	4.2	7.0
PhytoGen	PHY 443 W3FE	1,738	3,897	44.6	1.17	83.8	34.5	4.0	7.8
Dyna-Gro	DG 3519 B3XF	1,727	3,794	44.4	1.19	82.9	32.5	4.3	6.8
NEXGEN	AMX20T114 B3XF	1,704	3,773	45.0	1.18	85.2	30.5	4.7	7.3
NEXGEN	AMX20T157 B3XF	1,643	3,640	44.5	1.19	83.6	32.0	4.1	7.3
NEXGEN	AMX160030-A B3XF	1563.18	3465.53	44.7	1.24	83.4	30.5	4.3	7.3
Average		1,893	4,196	45.1	1.19	83.7	31.9	4.2	6.8
LSD at 10% Level		123	266	1.1	0.02	1.0	1.5	0.3	0.3
Model R-square		0.69	0.69	0.84	0.94	0.70	0.73	0.66	0.94
C.V.		7.14	6.97	1.82	1.37	0.94	3.65	4.66	3.02

**Midville, Georgia:  
Cotton Variety Performance, 2023, Irrigated (Continued)**

Company or		Lint	Seed Cot.	Fiber Quality <sup>2</sup>					
Brand Name	Variety	Yield	Yield	Lint <sup>1</sup>	Length	Uniformity	Strength	Micronaire	Yellowness <sup>3</sup>
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
<b>Conventional strains</b>									
Dyna-Gro	DG 3799 B3XF	<b>2,323</b>	<b>4,241</b>	54.8	1.16	82.4	31.1	4.2	7.1
Stoneville	ST 4990B3XF	2,182	<b>4,417</b>	49.4	1.19	83.8	30.8	4.1	5.7
UGA	GA 2020034	2,064	4,162	49.6	1.19	83.8	31.7	4.2	6.4
Deltapine	DP 2055 B3XF	2,044	3,933	52.0	1.19	82.2	31.4	3.8	5.9
UGA	GA 2020017	2,019	4,090	49.4	1.26	83.6	32.6	4.1	6.4
UGA	GA 2020023	1,974	3,981	49.6	1.22	83.4	32.4	4.4	6.3
UGA	GA 2020033	1,935	4,054	47.8	1.14	83.1	31.6	4.5	6.4
Deltapine	DP 1646 B2XF	1,911	3,684	51.8	1.20	83.5	31.9	4.3	6.1
Deltapine	DP 2349NR B3XF	1,897	3,570	53.2	1.18	83.4	32.1	4.0	6.4
UGA	GA 2020048	1,806	3,612	50.0	1.21	85.0	32.1	4.3	6.4
SSG	UA 248	1,765	3,763	46.9	1.17	81.9	32.0	4.1	6.8
UGA	GA 2020043	1,740	3,479	50.0	1.18	84.1	31.3	4.2	6.3
SSG	UA 222	1,638	3,334	49.1	1.20	83.6	31.1	4.0	6.3
SSG	UA 114	1,611	3,424	47.0	1.21	84.9	31.7	4.3	6.3
Average		1,922	3,839	50.0	1.19	83.5	31.7	4.2	6.3
LSD at 10% Level		114	233	2.8	0.03	1.0	1.1	0.4	0.4
Model R-square		0.92	0.89	0.71	0.82	0.76	0.99	0.99	0.72
C.V.		6.30	6.32	4.17	1.52	0.87	0.93	3.52	4.73

1. Determined using the table-top research gins.

2. Obtained from USDA classing office in Memphis, TN.

3. Color grade (+b).

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

Planted: May 4, 2023.

Harvested: October 11, 2023.

Soil Type: Dothan sandy loam.

## Plains, Georgia: Cotton Variety Performance, 2023, Irrigated

Company or		Lint	Seed Cot.	Fiber Quality <sup>2</sup>					
Brand Name	Variety	Yield	Yield	Lint <sup>1</sup>	Length	Uniformity	Strength	Micronaire	Yellowness <sup>3</sup>
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
<b>OVT</b>									
Stoneville	ST 4990B3XF	<b>1,630</b>	<b>3,186</b>	51.4	1.20	83.4	31.2	4.3	6.1
Deltapine	DP 2115 B3XF	<b>1,569</b>	2,856	54.9	1.11	81.3	29.6	4.3	6.8
Dyna-Gro	DG 3528 B3XF	<b>1,563</b>	<b>2,976</b>	52.5	1.14	82.2	29.8	4.4	6.3
PhytoGen	PHY 475 W3FE	<b>1,536</b>	<b>3,039</b>	50.5	1.12	81.2	32.5	4.4	7.1
Stoneville	ST 5091B3XF	<b>1,509</b>	2,862	52.7	1.14	81.9	29.5	4.5	6.6
Dyna-Gro	DG 3799 B3XF	<b>1,509</b>	<b>2,946</b>	51.2	1.13	80.3	31.0	4.2	7.4
Armor	9831 B3XF	<b>1,477</b>	2,878	51.3	1.17	82.0	32.2	4.4	6.7
PhytoGen	PHY 415 W3FE	1,467	2,791	52.6	1.17	82.3	33.3	4.1	7.4
Deltapine	DP 2328 B3TXF	1,458	2,657	54.9	1.14	80.9	29.7	4.3	6.2
PhytoGen	1130B333-04	1,453	2,842	51.1	1.15	84.6	32.8	4.5	7.1
PhytoGen	1150D490-04	1,450	2,706	53.6	1.08	79.5	29.8	4.2	7.3
Deltapine	DP 2127 B3XF	1,440	2,764	52.1	1.13	83.1	30.4	4.4	6.8
Dyna-Gro	DG 4484 B3TXF	1,437	2,606	55.1	1.12	81.9	30.2	4.1	7.1
Dyna-Gro	DG 3615 B3XF	1,437	2,829	50.8	1.13	81.7	31.4	4.6	7.7
Deltapine	DP 2131 B3TXF	1,425	2,651	53.7	1.17	81.3	29.4	4.0	6.6
PhytoGen	1140B373-04	1,413	2,715	52.0	1.12	83.1	31.5	4.8	7.4
PhytoGen	PHY 443 W3FE	1,405	2,689	52.4	1.12	81.3	31.9	4.4	7.7
Stoneville	ST 4595B3XF	1,395	2,659	52.5	1.17	82.5	29.9	4.6	6.6
NEXGEN	NG 3195 B3XF	1,394	2,666	52.3	1.14	81.9	32.0	4.3	7.0
Deltapine	DP 2349NR B3XF	1,386	2,618	53.0	1.14	82.1	30.5	4.6	7.0
Deltapine	DP 2239 B3XF	1,383	2,595	53.2	1.18	82.5	30.7	4.3	6.9
Armor	9371 B3XF	1,375	2,586	53.3	1.16	82.3	31.1	4.6	6.6
PhytoGen	1140D328-04	1,370	2,790	48.9	1.20	82.9	34.2	3.6	7.3
Dyna-Gro	DG 3519 B3XF	1,359	2,653	51.2	1.20	83.2	33.4	4.2	7.3
Deltapine	DP 2012 B3XF	1,347	2,646	51.0	1.15	81.7	30.3	4.3	7.0
NEXGEN	NG 4335 B3TXF	1,340	2,572	52.2	1.17	84.5	30.2	4.3	7.4
Deltapine	DP 2333 B3XF	1,336	2,603	51.3	1.14	81.5	30.9	4.4	6.5
PhytoGen	PHY 360 W3FE	1,334	2,588	51.5	1.11	80.8	29.3	4.4	6.7
PhytoGen	PHY 400 W3FE	1,328	2,605	50.9	1.15	80.9	31.9	3.6	7.4
NEXGEN	NG 4190 B3XF	1,323	2,502	52.9	1.16	82.6	29.0	4.3	6.7
PhytoGen	PHY 545 W3FE	1,295	2,453	52.8	1.11	81.4	30.6	3.9	7.3
Deltapine	DP 2055 B3XF	1,293	2,461	52.5	1.18	81.4	30.0	4.6	7.0
NEXGEN	NG 4343 B3TXF	1,288	2,530	50.9	1.18	82.4	30.8	4.1	6.5
NEXGEN	AMX20T157 B3XF	1,267	2,494	50.8	1.15	79.3	29.6	4.2	7.2
Deltapine	DP 2141NR B3XF	1,265	2,361	53.5	1.12	80.1	31.8	4.6	7.2
Deltapine	DP 2211 B3TXF	1,260	2,389	52.6	1.15	81.7	29.2	4.3	7.0
NEXGEN	AMX160030-B B3XF	1,258	2,438	51.7	1.12	82.0	31.0	4.8	7.7
NEXGEN	AMX160030-A B3XF	1,246	2,390	52.3	1.20	82.0	29.8	3.9	7.6
NEXGEN	AMX20T079 B3XF	1,239	2,401	51.7	1.16	81.0	30.0	4.7	7.4
PhytoGen	PHY 411 W3FE	1,234	2,342	52.6	1.09	81.1	31.1	4.4	6.6
Deltapine	DP 1646 B2XF	1,207	2,306	52.4	1.17	81.1	30.0	4.2	6.6
Armor	9383 B3TXF	1,184	2,414	49.0	1.16	81.7	28.8	4.3	6.9
PhytoGen	1140A385-04	1,154	2,201	52.5	1.11	82.1	32.6	3.9	7.6
PhytoGen	1130D303-04	1,140	2,232	51.0	1.12	82.5	32.4	4.2	6.8
NEXGEN	AMX20T114 B3XF	1,090	2,134	51.1	1.15	82.4	28.5	4.4	7.2
Average		1,359	2,606	52.1	1.15	81.8	30.8	4.3	7.0
LSD at 10% Level		157	302	1.3	0.03	1.3	1.4	0.4	0.3
Model R-square		0.75	0.75	0.86	0.85	0.70	0.74	0.78	0.92
C.V.		13.05	13.04	1.99	2.07	1.25	3.55	6.78	3.33

**Plains, Georgia:  
Cotton Variety Performance, 2023, Irrigated (Continued)**

Company or		Lint	Seed Cot.	Fiber Quality <sup>2</sup>					
Brand Name	Variety	Yield	Yield	Lint <sup>1</sup>	Length	Uniformity	Strength	Micronaire	Yellowness <sup>3</sup>
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
<b>Conventional strains</b>									
Deltapine	DP 2055 B3XF	<b>1,297</b>	<b>2,916</b>	44.5	1.19	83.0	30.3	3.7	6.9
Deltapine	DP 2349NR B3XF	<b>1,270</b>	<b>2,765</b>	45.9	1.16	83.5	30.4	4.3	7.1
Stoneville	ST 4990B3XF	<b>1,157</b>	<b>2,819</b>	41.1	1.18	83.1	29.8	4.0	6.6
UGA	GA 2020033	1,098	2,529	43.4	1.17	82.7	31.2	4.2	7.5
Dyna-Gro	DG 3799 B3XF	1,036	2,432	42.6	1.16	81.3	31.7	4.6	7.7
Deltapine	DP 1646 B2XF	1,031	2,372	43.5	1.21	84.0	32.1	4.5	6.9
UGA	GA 2020023	1,023	2,390	42.8	1.22	83.9	31.2	4.2	7.4
UGA	GA 2020017	988	2,347	42.1	1.23	83.6	32.9	4.1	7.4
UGA	GA 2020043	921	2,257	40.8	1.18	82.3	32.2	4.2	7.2
UGA	GA 2020034	860	2,033	42.3	1.18	83.5	31.4	5.0	7.1
SSG	UA 248	853	2,251	37.9	1.15	82.7	31.0	4.1	7.0
UGA	GA 2020048	853	2,075	41.1	1.19	82.7	32.2	4.3	6.8
SSG	UA 222	831	2,093	39.7	1.21	83.4	31.9	4.1	7.2
SSG	UA 114	655	1,627	40.2	1.16	83.6	31.5	4.2	7.2
Average		991	2,350	42.0	1.18	83.1	31.4	4.2	7.1
LSD at 10% Level		160	377	1.6	0.05	1.8	2.3	0.6	0.4
Model R-square		0.63	0.55	0.86	0.99	0.99	0.98	0.99	0.64
C.V.		17.54	17.41	2.69	1.43	0.59	2.85	5.06	4.25

1. Determined using the table-top research gins.

2. Obtained from USDA classing office in Memphis, TN.

3. Color grade (+b).

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

Planted: May 9, 2023

Harvested: November 6, 2023

Soil Type: Greenville sandy clay loam.

## Tifton, Georgia: Cotton Variety Performance, 2023, Irrigated

Company or		Lint	Seed Cot.	Fiber Quality <sup>2</sup>					
Brand Name	Variety	Yield	Yield	Lint <sup>1</sup>	Length	Uniformity	Strength	Micronaire	Yellowness <sup>3</sup>
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
<b>OVT</b>									
Deltapine	DP 2127 B3XF	1,484	3,603	41.2	1.10	82.4	29.2	4.7	7.5
Deltapine	DP 2211 B3TXF	1,418	3,486	40.8	1.15	82.0	30.3	4.3	7.4
Armor	9831 B3XF	1,373	3,322	41.6	1.15	82.3	31.6	4.7	7.8
Stoneville	ST 5091B3XF	1,309	3,252	40.3	1.14	82.0	30.3	4.5	7.8
Armor	9371 B3XF	1,333	3,217	41.4	1.15	83.3	30.8	4.4	7.4
Dyna-Gro	DG 3799 B3XF	1,250	3,158	39.5	1.14	80.9	30.6	4.6	8.4
Deltapine	DP 2131 B3TXF	1,280	3,151	40.6	1.17	81.8	29.5	4.4	7.7
PhytoGen	1140D328-04	1,212	3,129	38.8	1.18	82.4	33.7	4.3	7.9
Deltapine	DP 2012 B3XF	1,233	3,127	39.0	1.13	82.0	30.9	4.4	7.7
PhytoGen	PHY 400 W3FE	1,211	3,122	38.9	1.16	81.6	31.9	4.0	7.7
Stoneville	ST 4990B3XF	1,171	3,025	38.7	1.12	81.0	29.2	4.4	7.3
PhytoGen	PHY 475 W3FE	1,140	3,018	37.5	1.11	81.5	32.4	4.6	7.8
PhytoGen	PHY 443 W3FE	1,146	3,012	38.2	1.10	81.8	32.1	4.2	8.4
Dyna-Gro	DG 3528 B3XF	1,138	2,948	38.5	1.16	82.5	30.6	4.1	7.6
Stoneville	ST 4595B3XF	1,192	2,937	40.6	1.16	82.6	30.3	4.7	7.9
NEXGEN	AMX160030-B B3XF	1,130	2,891	39.0	1.14	82.1	30.5	4.6	8.3
Deltapine	DP 2055 B3XF	1,143	2,879	39.9	1.19	82.2	30.6	4.5	7.9
Deltapine	DP 2333 B3XF	1,191	2,870	41.4	1.10	81.5	29.2	4.6	7.6
Deltapine	DP 2328 B3TXF	1,169	2,864	40.9	1.12	81.4	29.3	4.4	7.3
Deltapine	DP 2141NR B3XF	1,105	2,838	38.8	1.12	81.6	32.1	4.7	8.1
PhytoGen	1140B373-04	1,085	2,800	38.7	1.12	83.6	31.7	4.4	7.8
PhytoGen	PHY 411 W3FE	1,112	2,756	40.4	1.08	82.6	31.3	4.5	7.4
NEXGEN	NG 4190 B3XF	1,069	2,729	39.3	1.18	83.7	31.8	4.0	7.3
NEXGEN	AMX20T079 B3XF	1,042	2,703	38.6	1.16	83.3	30.6	4.4	8.1
Deltapine	DP 1646 B2XF	1,070	2,688	40.1	1.19	82.5	30.9	4.3	7.5
NEXGEN	NG 3195 B3XF	1,018	2,669	38.2	1.08	81.9	30.1	4.5	7.6
PhytoGen	PHY 360 W3FE	1,019	2,661	37.9	1.13	81.4	29.8	4.5	7.0
Dyna-Gro	DG 4484 B3TXF	1,118	2,613	42.9	1.13	82.2	30.8	4.2	7.6
PhytoGen	1150D490-04	1,091	2,593	42.3	1.15	82.4	31.9	4.3	7.4
Dyna-Gro	DG 3519 B3XF	1,018	2,584	40.3	1.20	84.1	36.4	4.6	7.6
Deltapine	DP 2349NR B3XF	1,001	2,553	39.4	1.12	81.7	29.4	4.7	7.8
Deltapine	DP 2239 B3XF	1,050	2,553	41.3	1.16	82.8	31.0	4.4	7.6
NEXGEN	NG 4335 B3TXF	979	2,513	38.9	1.18	84.3	33.3	4.4	8.5
PhytoGen	PHY 415 W3FE	986	2,508	39.5	1.15	82.4	32.9	4.3	8.2
PhytoGen	PHY 545 W3FE	1,028	2,506	40.6	1.09	81.9	30.8	4.3	8.1
PhytoGen	1140A385-04	953	2,359	40.4	1.11	83.8	32.9	4.7	8.0
Dyna-Gro	DG 3615 B3XF	953	2,338	41.0	1.10	81.0	30.9	4.5	8.3
NEXGEN	NG 4343 B3TXF	909	2,337	38.9	1.16	82.5	29.9	4.5	7.6
PhytoGen	1130B333-04	853	2,331	36.6	1.11	83.1	32.5	4.3	8.0
NEXGEN	AMX20T157 B3XF	921	2,311	39.7	1.13	82.2	30.7	4.5	8.2
Armor	9383 B3TXF	809	2,236	36.2	1.12	83.0	29.4	4.5	7.6
PhytoGen	1130D303-04	782	2,067	37.6	1.13	81.5	30.6	4.2	7.3
NEXGEN	AMX160030-A B3XF	851	2,000	42.8	1.19	82.6	30.2	4.4	8.0
Deltapine	DP 2115 B3XF	768	1,918	40.2	1.08	82.6	29.8	4.8	7.7
NEXGEN	AMX20T114 B3XF	737	1,916	38.3	1.19	83.0	32.0	4.2	8.2
Average		1088	2744	39.65	1.14	82.26	30.98	4.44	7.79
LSD at 10% Level		181	455	1.7	0.03	0.90	1.00	0.27	0.31
Model R-square		0.72	0.71	0.85	0.88	0.71	0.85	0.83	0.90
C.V.		18.12	18.09	3.40	2.10	0.84	2.50	4.57	3.00

**Tifton, Georgia:**  
**Cotton Variety Performance, 2023, Irrigated (Continued)**

Company or		Lint	Seed Cot.	Fiber Quality <sup>2</sup>					
Brand Name	Variety	Yield	Yield	Lint <sup>4</sup>	Length	Uniformity	Strength	Micronaire	Yellowness <sup>3</sup>
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
<b>Conventional strains</b>									
Stoneville	ST 4990B3XF	<b>1,188</b>	<b>3,055</b>	38.9	1.11	81.9	31.0	4.4	7.0
UGA	GA 2020017	<b>1,132</b>	<b>2,777</b>	40.8	1.25	85.4	36.0	4.4	7.0
UGA	GA 2020023	<b>1,125</b>	<b>2,741</b>	41.1	1.20	83.7	31.0	4.2	7.1
SSG	UA 222	<b>1,114</b>	<b>2,819</b>	39.5	1.19	84.4	32.0	4.3	7.4
Dyna-Gro	DG 3799 B3XF	<b>1,028</b>	2,335	44.0	1.13	82.4	31.5	4.5	8.1
UGA	GA 2020048	1,009	2,583	39.1	1.17	84.1	32.5	4.3	7.4
Deltapine	DP 2055 B3XF	975	2,299	42.4	1.14	82.6	30.5	4.0	7.0
UGA	GA 2020034	968	2,474	39.1	1.16	82.7	31.0	4.4	7.7
UGA	GA 2020033	948	2,214	42.8	1.18	84.4	32.5	4.2	7.1
UGA	GA 2020043	915	2,214	41.3	1.19	83.6	31.5	4.1	7.3
Deltapine	DP 1646 B2XF	883	1,918	46.1	1.17	83.9	32.0	4.2	7.4
SSG	UA 114	830	2,269	36.6	1.15	84.9	32.5	4.1	7.3
SSG	UA 248	787	2,099	37.5	1.14	82.4	31.0	4.5	7.2
Deltapine	DP 2349NR B3XF	776	1,863	41.7	1.12	82.4	30.5	4.4	7.0
Average		977	2,404	40.8	1.16	83.5	31.8	4.3	7.3
LSD at 10% Level		175	424	3.0	0.03	0.7	0.6	NS	0.4
Model R-square		0.81	0.82	1.00	1.00	1.00	1.00	0.97	0.70
C.V.		19.38	19.11	5.40	2.01	1.14	3.51	5.02	3.59

1. Determined using the Micro-Gin located on the UGA Tifton Campus.

2. Obtained from USDA classing office in Memphis, TN.

3. Color grade (+b).

4. Determined using the table-top research gins.

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

OVT entries require tolerance to glyphosate and glufosinate herbicides.

Planted: May 2, 2023.

Harvested: October 4, 2023.

Soil Type: Tifton loamy sand.

Previous Crop: Peanut.



## Bainbridge, Georgia: Cotton Variety Performance, 2023, Irrigated

Company or		Lint	Seed Cot.	Fiber Quality <sup>2</sup>					
Brand Name	Variety	Yield	Yield	Lint <sup>1</sup>	Length	Uniformity	Strength	Micronaire	Yellowness <sup>3</sup>
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
<b><u>OVT</u></b>									
Deltapine	DP 2127 B3XF	2,536	4,953	51.2	1.16	84.2	33.5	4.8	7.0
Stoneville	ST 5091B3XF	2,483	4,879	50.9	1.15	83.9	31.9	5.1	6.7
Deltapine	DP 2012 B3XF	2,475	5,005	49.4	1.19	83.8	30.8	4.7	6.8
Armor	9831 B3XF	2,379	4,779	49.8	1.16	83.3	33.7	5.0	7.1
PhytoGen	PHY 411 W3FE	2,353	4,517	52.1	1.12	83.1	34.7	4.7	6.7
Deltapine	DP 2333 B3XF	2,337	4,568	51.1	1.12	83.2	30.1	4.9	7.2
Stoneville	ST 4595B3XF	2,335	4,578	50.9	1.18	84.0	32.0	4.8	7.5
PhytoGen	1150D490-04	2,334	4,524	51.6	1.13	81.6	31.5	4.6	7.4
PhytoGen	1140A385-04	2,323	4,423	52.5	1.14	84.7	34.6	4.7	7.6
Deltapine	DP 1646 B2XF	2,323	4,506	51.5	1.20	83.1	31.1	4.8	6.7
Armor	9371 B3XF	2,304	4,628	49.8	1.15	82.9	31.1	4.6	7.1
Deltapine	DP 2328 B3TXF	2,301	4,436	51.9	1.17	82.7	32.1	4.8	6.6
NEXGEN	NG 4190 B3XF	2,293	4,611	49.7	1.16	83.4	31.7	4.7	7.0
PhytoGen	PHY 415 W3FE	2,288	4,374	52.3	1.18	83.6	35.6	4.6	7.9
Dyna-Gro	DG 3519 B3XF	2,287	4,717	48.5	1.22	84.5	35.4	4.5	7.1
Deltapine	DP 2131 B3TXF	2,276	4,445	51.2	1.23	83.2	31.3	4.6	6.9
Deltapine	DP 2349NR B3XF	2,256	4,356	51.8	1.14	83.1	32.3	5.1	7.3
PhytoGen	1140D328-04	2,237	4,480	49.9	1.23	84.8	36.3	4.5	7.2
Deltapine	DP 2211 B3TXF	2,218	4,334	51.1	1.17	83.4	31.1	4.5	7.0
NEXGEN	AMX20T157 B3XF	2,211	4,492	49.2	1.17	83.8	32.3	4.7	7.3
Dyna-Gro	DG 3528 B3XF	2,199	4,356	50.5	1.18	83.3	30.7	4.6	6.7
PhytoGen	1130D303-04	2,193	4,199	52.2	1.14	83.9	34.1	5.0	7.7
Stoneville	ST 4990B3XF	2,180	4,555	47.9	1.20	83.8	30.5	4.7	6.5
NEXGEN	NG 3195 B3XF	2,179	4,324	50.4	1.16	84.0	33.0	4.3	7.1
NEXGEN	AMX160030-B B3XF	2,159	4,397	49.0	1.19	84.2	33.2	5.0	7.8
Deltapine	DP 2115 B3XF	2,149	4,128	52.1	1.16	84.0	31.8	4.8	7.2
PhytoGen	PHY 360 W3FE	2,147	4,319	49.7	1.13	81.5	31.3	4.4	7.0
Deltapine	DP 2055 B3XF	2,136	4,251	50.3	1.21	83.3	31.9	4.9	7.0
Dyna-Gro	DG 3799 B3XF	2,134	4,225	50.5	1.15	83.4	33.1	4.9	8.2
PhytoGen	1140B373-04	2,131	4,291	49.7	1.16	84.3	35.4	4.7	7.6
Deltapine	DP 2141NR B3XF	2,124	4,319	49.2	1.15	83.2	35.1	4.9	7.4
Deltapine	DP 2239 B3XF	2,097	4,154	50.5	1.21	84.6	32.0	4.6	6.9
PhytoGen	PHY 545 W3FE	2,085	4,076	51.2	1.15	84.5	34.7	4.5	7.4
PhytoGen	PHY 400 W3FE	2,082	4,145	50.2	1.18	83.3	35.3	4.0	7.0
PhytoGen	1130B333-04	2,078	4,118	50.4	1.15	84.5	35.4	4.2	7.6
NEXGEN	NG 4335 B3TXF	2,071	4,156	49.8	1.20	85.8	33.2	4.4	7.7
PhytoGen	PHY 443 W3FE	2,069	3,985	52.0	1.12	83.4	34.1	4.7	8.4
NEXGEN	NG 4343 B3TXF	2,051	4,206	48.7	1.19	84.8	32.5	4.7	6.6
Dyna-Gro	DG 3615 B3XF	2,040	4,133	49.4	1.16	83.9	33.1	4.8	8.0
Armor	9383 B3TXF	2,032	4,168	48.7	1.18	84.9	31.1	4.6	7.2
PhytoGen	PHY 475 W3FE	2,019	4,157	48.6	1.16	82.6	35.4	4.9	7.4
Dyna-Gro	DG 4484 B3TXF	1,962	3,645	53.9	1.12	83.4	32.5	4.7	7.2
NEXGEN	AMX20T079 B3XF	1,794	3,668	48.9	1.22	84.0	31.9	4.6	7.8
NEXGEN	AMX20T114 B3XF	1661	3401	48.9	1.16	84.3	29.0	4.7	7.6
NEXGEN	AMX160030-A B3XF	1,652	3,258	50.7	1.25	85.3	31.7	4.7	7.6
Average		2,179	4,318	50.5	1.17	83.7	32.8	4.7	7.2
LSD at 10% Level		153	304	1.4	0.03	1.1	1.5	0.3	0.4
Model R-square		0.81	0.80	0.86	0.88	0.80	0.84	0.68	0.85
C.V.		7.66	7.68	2.18	1.85	1.09	3.41	4.59	3.77

**Bainbridge, Georgia:**  
**Cotton Variety Performance, 2023, Irrigated (Continued)**

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1. Determined using the table-top research gins.
2. Obtained from USDA classing office in Memphis, TN.
3. Color grade (+b).

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

Planted: May 17, 2023.

Harvested: October 18, 2023.

Soil Type: Lucy or Blanton loamy sand.

## Midville, Georgia: Cotton Variety Performance, 2023, Dryland

Company or		Lint	Seed Cot.	Fiber Quality <sup>2</sup>					
Brand Name	Variety	Yield	Yield	Lint <sup>1</sup>	Length	Uniformity	Strength	Micronaire	Yellowness <sup>3</sup>
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
<b><u>OVT</u></b>									
Dyna-Gro	DG 3528 B3XF	<b>1,449</b>	<b>3,332</b>	43.2	1.17	83.1	30.0	3.8	7.2
NEXGEN	NG 4190 B3XF	<b>1,400</b>	<b>3,210</b>	43.8	1.14	83.4	30.7	4.0	7.1
NEXGEN	NG 3195 B3XF	<b>1,395</b>	<b>3,231</b>	43.1	1.13	82.9	30.4	4.2	7.2
Deltapine	DP 2211 B3TXF	<b>1,367</b>	3,083	44.2	1.14	82.9	29.5	3.6	6.5
Stoneville	ST 5091B3XF	<b>1,358</b>	2,935	46.3	1.17	83.6	30.9	4.4	7.6
Armor	9831 B3XF	1,342	3,013	44.6	1.11	81.1	32.8	4.3	7.0
Deltapine	DP 2131 B3TXF	1,334	2,939	45.7	1.21	83.8	30.8	4.2	6.7
Armor	9383 B3TXF	1,325	<b>3,142</b>	42.1	1.14	83.0	29.7	4.0	7.1
PhytoGen	1140D328-04	1,324	2,991	44.2	1.15	84.0	34.4	4.4	7.5
Deltapine	DP 2115 B3XF	1,280	2,854	44.8	1.14	83.2	31.0	4.2	7.5
Dyna-Gro	DG 4484 B3TXF	1,269	2,714	46.5	1.11	82.3	31.2	3.8	7.5
Deltapine	DP 2349NR B3XF	1,269	2,802	45.3	1.13	83.1	30.8	4.5	7.4
PhytoGen	PHY 411 W3FE	1,263	2,775	45.9	1.11	83.7	32.8	4.2	6.6
Armor	9371 B3XF	1,260	2,764	45.5	1.12	83.1	29.4	4.1	7.1
NEXGEN	NG 4335 B3TXF	1,258	2,852	44.0	1.17	83.3	31.7	4.2	8.2
PhytoGen	PHY 415 W3FE	1,256	2,930	43.0	1.13	82.4	33.9	3.9	7.6
PhytoGen	PHY 545 W3FE	1,253	2,767	45.3	1.10	82.5	30.9	3.6	7.3
Deltapine	DP 2127 B3XF	1,251	2,806	44.8	1.12	83.8	30.8	4.4	6.7
PhytoGen	1130D303-04	1,240	2,941	42.3	1.14	83.7	33.3	4.0	7.4
Stoneville	ST 4595B3XF	1,236	2,778	44.5	1.16	84.2	31.4	4.4	7.1
PhytoGen	1140B373-04	1,226	2,885	42.3	1.14	83.5	32.0	4.0	7.6
NEXGEN	AMX20T079 B3XF	1,219	2,760	44.1	1.15	82.1	29.9	4.4	8.4
Deltapine	DP 1646 B2XF	1,210	2,771	43.6	1.19	83.9	30.7	4.2	7.0
PhytoGen	1130B333-04	1,203	2,789	43.2	1.12	84.5	32.2	4.5	7.8
PhytoGen	1140A385-04	1,191	2,640	45.2	1.10	83.8	32.7	4.3	7.8
PhytoGen	PHY 400 W3FE	1,190	2,726	43.4	1.11	82.2	31.2	4.2	7.1
Deltapine	DP 2333 B3XF	1,183	2,678	44.2	1.10	82.0	29.9	4.1	6.9
Stoneville	ST 4990B3XF	1,181	2,867	41.2	1.18	84.0	30.3	4.2	6.6
PhytoGen	PHY 360 W3FE	1,181	2,663	44.2	1.12	82.2	29.9	4.6	7.4
Deltapine	DP 2328 B3TXF	1,177	2,603	45.1	1.16	82.2	31.1	3.8	6.5
Deltapine	DP 2055 B3XF	1,177	2,694	43.5	1.18	81.9	30.8	4.0	7.0
PhytoGen	PHY 443 W3FE	1,168	2,606	44.6	1.13	84.1	33.4	4.1	8.6
Deltapine	DP 2012 B3XF	1,167	2,735	42.6	1.16	83.2	30.5	3.9	7.1
Deltapine	DP 2141NR B3XF	1,135	2,619	43.7	1.14	82.1	32.1	4.3	7.3
PhytoGen	1150D490-04	1,117	2,571	43.5	1.12	82.3	31.2	3.5	7.1
Dyna-Gro	DG 3799 B3XF	1,115	2,665	42.0	1.14	83.0	31.3	4.0	7.7
NEXGEN	AMX160030-B B3XF	1,089	2,613	41.6	1.16	82.1	31.8	4.0	7.7
Dyna-Gro	DG 3615 B3XF	1,076	2,649	40.8	1.14	83.4	32.5	3.8	7.3
PhytoGen	PHY 475 W3FE	1,059	2,535	41.7	1.09	82.7	33.5	4.3	7.3
NEXGEN	NG 4343 B3TXF	1,034	2,423	42.6	1.19	83.1	30.9	3.7	7.1
Dyna-Gro	DG 3519 B3XF	1,032	2,378	43.8	1.19	84.7	33.6	4.3	7.4
NEXGEN	AMX20T157 B3XF	982	2,392	41.3	1.14	82.3	31.3	3.9	8.3
Deltapine	DP 2239 B3XF	968	2,213	43.6	1.15	82.9	29.6	3.7	7.5
NEXGEN	AMX20T114 B3XF	902	2,154	41.9	1.14	83.4	30.7	4.1	7.9
NEXGEN	AMX160030-A B3XF	782	1,742	44.7	1.19	83.3	30.1	3.8	8.0
Average		1,196	2,736	43.7	1.14	83.0	31.3	4.1	7.3
LSD at 10% Level		103	236	0.9	0.03	1.1	1.4	0.3	0.4
Model R-square		0.77	0.75	0.93	0.87	0.79	0.84	0.74	0.91
C.V.		9.42	9.45	1.66	1.92	0.99	3.26	5.54	3.74

**Midville, Georgia:**  
**Cotton Variety Performance, 2023, Dryland (Continued)**

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1. Determined using the table-top research gins.
2. Obtained from USDA classing office in Memphis, TN.
3. Color grade (+b).

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

Planted: May 4, 2023.

Harvested: October 10, 2023.

Soil Type: Dothan sandy loam.

## Plains, Georgia: Cotton Variety Performance, 2023, Dryland

Company or		Lint	Seed Cot.	Fiber Quality <sup>2</sup>					
Brand Name	Variety	Yield	Yield	Lint <sup>1</sup>	Length	Uniformity	Strength	Micronaire	Yellowness <sup>3</sup>
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
<b><u>OVT</u></b>									
Deltapine	DP 2349NR B3XF	<b>1,098</b>	<b>2,097</b>	52.5	1.14	81.8	29.9	4.4	7.9
Stoneville	ST 4595B3XF	<b>1,078</b>	<b>1,979</b>	54.5	1.17	81.6	30.1	4.5	7.6
Deltapine	DP 2333 B3XF	<b>998</b>	<b>1,939</b>	51.4	1.16	82.3	30.6	4.2	7.2
NEXGEN	NG 4335 B3TXF	<b>993</b>	<b>1,890</b>	52.6	1.16	83.0	29.7	3.5	8.5
Dyna-Gro	DG 3519 B3XF	983	<b>1,995</b>	49.2	1.17	82.1	32.0	3.7	7.7
Dyna-Gro	DG 3528 B3XF	978	<b>1,910</b>	51.8	1.17	80.8	29.5	3.4	7.3
Deltapine	DP 2127 B3XF	978	1,851	52.7	1.13	82.5	28.2	4.4	7.5
Deltapine	DP 2328 B3TXF	945	1,816	51.9	1.16	81.6	28.3	3.5	7.2
PhytoGen	PHY 545 W3FE	943	1,740	54.4	1.10	82.4	29.4	3.7	8.2
PhytoGen	PHY 475 W3FE	933	1,874	49.8	1.11	81.6	32.3	4.2	7.7
NEXGEN	AMX160030-B B3XF	924	1,829	50.1	1.14	79.5	29.9	4.4	8.5
Deltapine	DP 2115 B3XF	919	1,770	51.7	1.17	83.2	30.9	4.3	7.6
Dyna-Gro	DG 3799 B3XF	914	1,808	50.4	1.13	80.6	31.2	4.2	8.2
PhytoGen	1150D490-04	909	1,744	52.2	1.12	81.2	29.8	4.1	8.0
NEXGEN	NG 3195 B3XF	907	1,763	51.6	1.18	83.6	31.0	4.0	7.6
Stoneville	ST 4990B3XF	900	<b>1,878</b>	47.5	1.18	81.1	30.1	3.7	7.0
Armor	9831 B3XF	899	1,738	51.8	1.11	81.0	30.1	4.3	7.6
Stoneville	ST 5091B3XF	899	1,685	53.2	1.15	81.6	30.0	4.5	7.6
Dyna-Gro	DG 4484 B3TXF	895	1,660	54.0	1.12	81.6	31.3	4.0	7.9
Deltapine	DP 2012 B3XF	881	1,827	48.3	1.18	83.2	29.6	3.7	7.5
Armor	9383 B3TXF	881	1,842	48.3	1.14	81.7	29.9	3.6	7.7
Deltapine	DP 2055 B3XF	876	1,662	52.5	1.18	80.9	31.0	4.5	7.7
PhytoGen	PHY 411 W3FE	871	1,649	53.1	1.09	81.4	30.1	3.5	7.6
Deltapine	DP 2141NR B3XF	863	1,712	50.4	1.17	81.8	33.4	4.2	7.7
NEXGEN	NG 4190 B3XF	859	1,693	51.0	1.18	81.9	31.0	4.3	7.2
NEXGEN	AMX20T079 B3XF	856	1,653	51.7	1.16	81.7	29.3	4.2	8.6
Deltapine	DP 1646 B2XF	851	1,665	51.3	1.20	81.9	29.9	4.3	7.5
Dyna-Gro	DG 3615 B3XF	850	1,708	50.1	1.16	82.0	33.0	4.3	8.0
PhytoGen	PHY 360 W3FE	845	1,689	50.5	1.14	83.0	30.2	3.7	7.5
PhytoGen	1140D328-04	842	1,637	51.3	1.19	82.6	34.8	3.6	7.6
PhytoGen	PHY 415 W3FE	837	1,625	51.5	1.17	83.2	34.4	3.5	8.5
PhytoGen	1140A385-04	835	1,580	52.9	1.17	83.4	37.1	4.0	8.0
Deltapine	DP 2131 B3TXF	833	1,607	52.2	1.18	81.7	29.9	3.9	7.3
NEXGEN	NG 4343 B3TXF	822	1,601	51.3	1.18	81.6	31.2	4.1	7.1
Armor	9371 B3XF	819	1,568	52.3	1.11	80.6	28.3	4.2	7.9
NEXGEN	AMX20T157 B3XF	793	1,558	50.4	1.16	81.8	29.2	3.7	8.3
Deltapine	DP 2211 B3TXF	790	1,498	53.2	1.13	81.3	29.0	4.0	7.7
NEXGEN	AMX160030-A B3XF	783	1,492	52.3	1.19	81.8	28.8	4.3	8.3
PhytoGen	PHY 400 W3FE	782	1,549	50.5	1.16	82.1	32.1	3.3	7.8
PhytoGen	1140B373-04	751	1,510	49.1	1.14	82.0	32.8	3.3	8.3
PhytoGen	PHY 443 W3FE	746	1,390	53.5	1.07	81.1	32.5	4.1	8.9
Deltapine	DP 2239 B3XF	723	1,428	50.9	1.22	83.0	30.4	3.9	7.5
PhytoGen	1130B333-04	720	1,500	47.6	1.14	82.8	32.7	3.1	8.0
NEXGEN	AMX20T114 B3XF	710	1,373	51.4	1.17	82.3	30.1	4.5	8.3
PhytoGen	1130D303-04	650	1,248	51.9	1.12	81.9	32.3	4.4	8.0
Average		875	1,703	51.4	1.15	81.9	30.9	4.0	7.8
LSD at 10% Level		114	222	1.3	0.04	1.3	1.5	0.4	0.4
Model R-square		0.68	0.68	0.91	0.82	0.79	0.90	0.88	0.89
C.V.		14.46	14.40	1.90	2.38	1.22	3.68	6.85	3.56

**Plains, Georgia:**  
**Cotton Variety Performance, 2023, Dryland (Continued)**

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1. Determined using the table-top research gins.
2. Obtained from USDA classing office in Memphis, TN.
3. Color grade (+b).

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

Planted: May 9, 2023.

Harvested: November 6, 2023.

Soil Type: Greenville sandy clay loam.

**Tifton, Georgia:**  
**Cotton Variety Performance, 2023, Dryland**

Company or		Lint	Seed Cot.	Fiber Quality <sup>2</sup>					
Brand Name	Variety	Yield	Yield	Lint <sup>1</sup>	Length	Uniformity	Strength	Micronaire	Yellowness <sup>3</sup>
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
<b><u>OVI</u></b>									
Deltapine	DP 2131 B3TXF	<b>1,825</b>	<b>4,088</b>	44.8	1.23	84.6	30.0	4.4	7.1
Deltapine	DP 2211 B3TXF	<b>1,684</b>	<b>3,752</b>	44.9	1.14	83.5	29.5	4.3	7.5
NEXGEN	NG 4190 B3XF	<b>1,681</b>	<b>3,881</b>	43.4	1.15	83.0	29.6	4.2	7.7
Armor	9371 B3XF	<b>1,679</b>	<b>3,855</b>	43.6	1.16	82.9	29.5	4.0	7.1
Deltapine	DP 2328 B3TXF	1,636	3,645	45.0	1.13	82.2	30.5	4.1	6.6
Stoneville	ST 5091B3XF	1,613	3,567	45.1	1.14	82.6	30.5	4.6	7.5
Dyna-Gro	DG 3615 B3XF	1,613	<b>3,741</b>	43.0	1.16	82.0	32.0	4.2	8.2
Deltapine	DP 2127 B3XF	1,574	3,571	43.8	1.13	83.7	31.0	4.7	7.5
PhytoGen	PHY 443 W3FE	1,573	3,492	45.0	1.11	83.8	32.5	4.1	7.9
Dyna-Gro	DG 3528 B3XF	1,572	3,690	42.9	1.14	82.6	30.5	3.9	7.0
Dyna-Gro	DG 3799 B3XF	1,566	3,573	43.9	1.13	82.1	31.8	4.3	8.1
NEXGEN	NG 3195 B3XF	1,556	3,517	44.0	1.11	81.5	32.0	4.2	7.2
PhytoGen	PHY 415 W3FE	1,544	3,543	43.6	1.15	82.6	34.5	4.1	8.3
Stoneville	ST 4990B3XF	1,542	<b>3,737</b>	41.3	1.22	83.8	32.0	3.9	6.9
Deltapine	DP 2115 B3XF	1,539	3,468	44.4	1.13	83.1	31.0	4.3	7.7
Dyna-Gro	DG 4484 B3TXF	1,506	3,205	47.2	1.14	82.5	32.0	4.0	7.4
NEXGEN	AMX160030-B B3XF	1,505	3,489	43.4	1.16	82.8	31.5	4.3	8.2
PhytoGen	PHY 400 W3FE	1,494	3,521	42.5	1.10	81.2	30.5	3.9	7.1
PhytoGen	PHY 475 W3FE	1,494	3,511	42.4	1.15	83.3	34.0	4.2	6.9
PhytoGen	1140B373-04	1,487	3,515	42.3	1.14	83.9	33.0	3.9	7.1
PhytoGen	1140D328-04	1,483	3,460	42.8	1.13	83.1	33.5	3.9	7.5
Deltapine	DP 2333 B3XF	1,474	3,182	46.0	1.11	82.9	30.5	4.5	7.2
NEXGEN	NG 4335 B3TXF	1,461	3,411	42.9	1.18	84.9	31.5	4.0	7.5
PhytoGen	1150D490-04	1,453	3,266	44.6	1.08	81.0	30.5	3.6	7.4
Deltapine	DP 1646 B2XF	1,435	3,281	43.8	1.20	83.6	31.3	4.1	7.3
PhytoGen	PHY 545 W3FE	1,434	3,256	44.4	1.11	81.8	31.5	3.8	8.0
Armor	9383 B3TXF	1,431	3,533	40.6	1.15	83.8	30.0	4.3	7.5
PhytoGen	1140A385-04	1,428	3,182	45.3	1.13	84.0	33.5	4.4	7.9
Stoneville	ST 4595B3XF	1,416	3,222	44.0	1.10	82.2	30.0	4.6	7.4
Armor	9831 B3XF	1,415	3,150	44.5	1.10	81.5	31.0	4.5	7.4
Deltapine	DP 2012 B3XF	1,413	3,290	42.9	1.16	82.8	31.5	4.6	7.7
Deltapine	DP 2055 B3XF	1,409	3,249	43.5	1.19	83.0	31.2	4.2	7.7
Deltapine	DP 2141NR B3XF	1,380	3,223	42.4	1.13	82.2	32.7	4.4	7.8
PhytoGen	PHY 360 W3FE	1,355	3,216	42.3	1.13	82.7	31.0	4.4	6.9
Deltapine	DP 2349NR B3XF	1,352	3,018	44.8	1.11	82.0	31.8	4.7	7.6
Dyna-Gro	DG 3519 B3XF	1,350	3,157	42.3	1.19	83.6	31.5	4.1	6.9
PhytoGen	1130D303-04	1,346	3,182	42.0	1.12	82.2	33.0	3.9	7.5
NEXGEN	AMX20T079 B3XF	1,322	3,036	43.6	1.15	83.7	31.5	4.4	8.1
NEXGEN	NG 4343 B3TXF	1,308	3,118	42.0	1.13	82.8	31.5	4.0	6.9
NEXGEN	AMX20T157 B3XF	1,241	2,929	42.0	1.12	83.1	31.5	4.0	8.3
PhytoGen	PHY 411 W3FE	1,231	2,750	44.6	1.08	83.1	31.0	4.3	7.1
Deltapine	DP 2239 B3XF	1,196	2,685	44.2	1.13	82.0	29.5	3.9	7.7
PhytoGen	1130B333-04	1,138	2,763	41.5	1.15	83.9	32.5	4.0	7.9
NEXGEN	AMX20T114 B3XF	1,058	2,540	41.8	1.15	83.6	30.0	4.2	8.1
NEXGEN	AMX160030-A B3XF	981	2,199	44.6	1.17	84.0	31.5	4.4	8.4
Average		1,447	3,320	43.6	1.14	82.9	31.4	4.2	7.5
LSD at 10% Level		170	390	1.3	0.04	1.4	1.6	0.3	0.3
Model R-square		0.76	0.75	0.87	0.80	0.59	0.80	0.87	0.92
C.V.		13.00	12.96	2.39	2.83	1.34	3.83	6.06	3.59

**Tifton, Georgia:**  
**Cotton Variety Performance, 2023, Dryland (Continued)**

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1. Determined using the table-top research gins.
2. Obtained from USDA classing office in Memphis, TN.
3. Color grade (+b).

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

Planted: May 2, 2023.

Harvested: October 4, 2023.

Soil Type: Tifton loamy sand.

Previous Crop: Cotton.



## Cooperators

A. Black, Southeast Research & Education Center, Midville, Georgia  
A. Carter, Tifton campus, Tifton, Georgia  
P. Knox, Crop and Soil Sciences Department, Athens, Georgia  
S. Rogers, Southwest Research & Education Center, Plains, Georgia  
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## Contributors

The following individuals contributed to the gathering of data and preparation of this report:

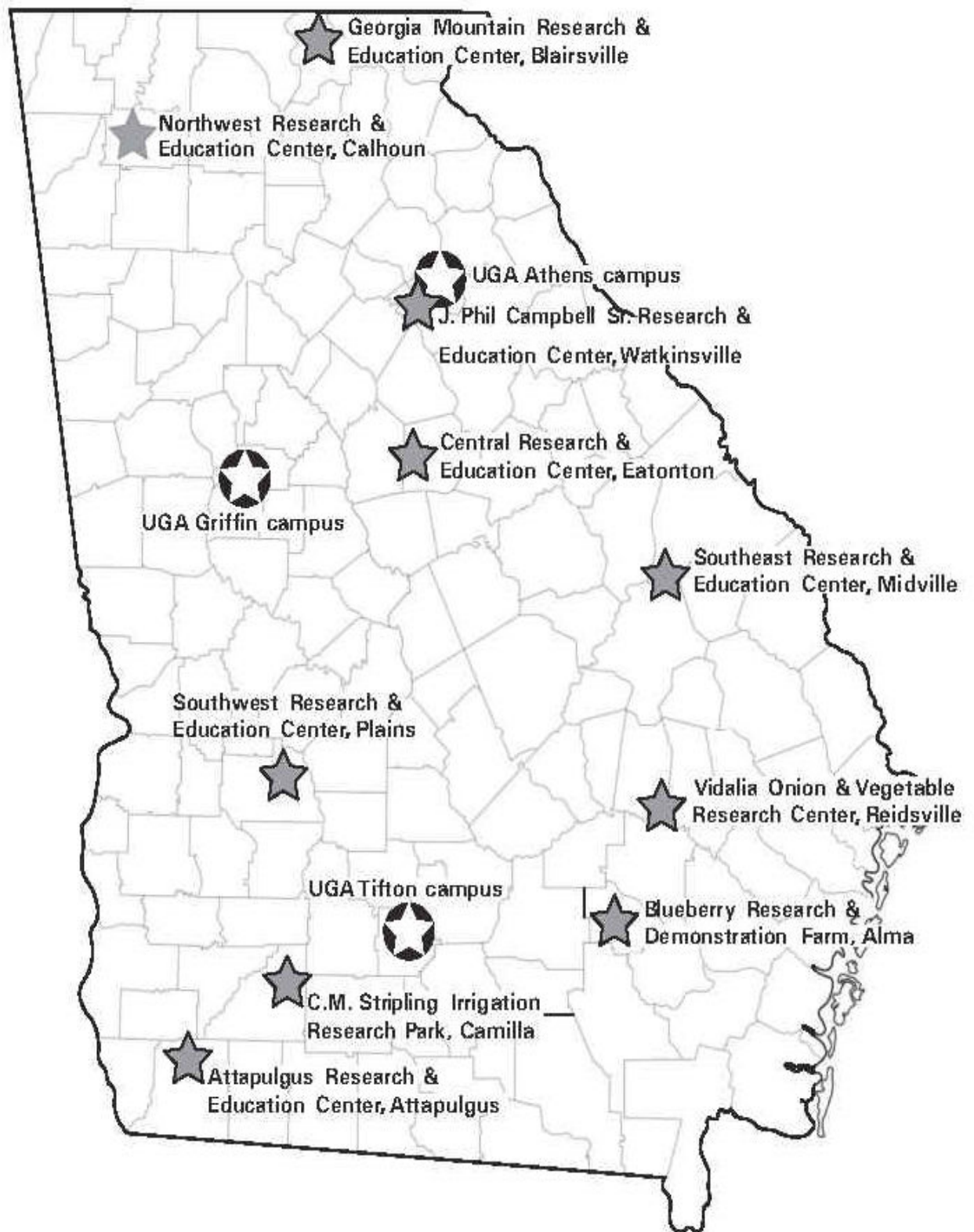
Tifton - K. Cawley, M. Cofield, W. Mosteller  
Midville - J. Lanier, R. Milton, and T. Woodward  
Plains - W. Jones and D. Pearce

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Athens, Georgia 30602

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