

Preliminary Results

Cotton and Peanuts

January 14, 2021

Cotton Lint Yields by Location, 2021

Brand	Variety	Tifton	Tifton	Bainbridg	Plains	Midville	Midville	Statewide
		Irrigated	Dryland	Irrigated	Irrigated	Dryland	Irrigated	
-----lb/acre-----								
<u>OVT</u>								
Armor	9371 B3XF	1,432	1,451	1,771	1,681	2,131	2,531	1,833
Stoneville	BX 2295B3XF	989	1,422	1,939	1,725	2,120	2,481	1,779
Deltapine	DP 2127 B3XF	1,170	1,546	1,783	1,685	2,018	2,416	1,770
Dyna-Gro	DG 3799 B3XF	1,368	1,725	1,784	1,812	1,820	2,104	1,769
Armor	9831 B3XF	1,409	1,359	1,484	1,858	2,027	2,422	1,760
Deltapine	DP 1646 B2XF	1,021	1,572	1,469	1,620	2,356	2,376	1,736
NexGen	AMX20B037B3XF	1,426	1,818	1,601	1,611	1,878	2,025	1,726
Deltapine	DP 2115 B3XF	1,217	1,422	1,784	1,442	2,099	2,339	1,717
Stoneville	BX 2296B3XF	1,096	1,489	1,670	1,687	1,934	2,311	1,698
Stoneville	ST 5091B3XF	1,240	1,576	1,366	1,526	2,054	2,400	1,694
Stoneville	BX 2297B3XF	1,089	1,507	1,725	1,736	1,809	2,275	1,690
NexGen	NG 4190 B3XF	897	1,382	1,695	1,667	1,813	2,506	1,660
Deltapine	DP 2038 B3XF	1,252	1,422	1,547	1,556	1,862	2,266	1,651
Bayer	20R745NR B3XF	1,058	1,595	1,863	1,603	1,755	2,018	1,649
Stoneville	ST 4990B3XF	1,419	1,507	1,344	1,528	1,915	2,147	1,643
Dyna-Gro	DG 3615 B3XF	936	1,715	1,579	1,616	1,894	2,097	1,640
PhytoGen	PHY 545 W3FE	900	1,361	1,702	1,807	1,876	2,143	1,631
PhytoGen	1140A385-04	1,213	1,305	1,755	1,288	1,961	2,217	1,623
Deltapine	DP 2012 B3XF	1,164	1,444	1,574	1,589	1,876	2,078	1,621
Deltapine	DP 2020 B3XF	1,176	1,461	1,453	1,573	1,852	2,209	1,621
Stoneville	BX 2298B3XF	1,173	1,282	1,706	1,546	1,826	2,137	1,612
PhytoGen	PHY 400 W3FE	1,421	1,345	1,438	1,472	1,816	2,178	1,612
Deltapine	DP 2055 B3XF	922	1,219	1,427	1,583	2,054	2,423	1,605
PhytoGen	1150A450-04	1,010	1,263	1,494	1,472	2,000	2,297	1,589
PhytoGen	1150A452-04	1,268	1,466	1,434	1,643	1,786	1,920	1,586
PhytoGen	PHY 580 W3FE	1,011	1,311	1,556	1,716	1,994	1,911	1,583
NexGen	NG 3195 B3XF	1,305	1,177	1,381	1,449	1,805	2,351	1,578
PhytoGen	PHY 411 W3FE	957	1,368	1,694	1,321	1,868	2,224	1,572
PhytoGen	1140A383-04	1,054	1,379	1,475	1,398	2,089	1,928	1,554
NexGen	NG 5711 B3XF	1,073	1,123	1,499	1,671	1,982	1,971	1,553
Deltapine	DP 2141NR B3XF	1,265	962	1,701	1,385	1,939	2,052	1,551
Dyna-Gro	DG H959 B3XF	1,274	1,342	1,205	1,595	1,719	2,082	1,536
NexGen	NG 5150 B3XF	1,194	1,291	1,300	1,321	1,842	2,242	1,532
PhytoGen	1150A453-04	1,082	1,509	1,424	1,565	1,720	1,886	1,531
Dyna-Gro	DG 3535 B3XF	1,062	1,327	1,357	1,344	1,791	2,271	1,525
PhytoGen	PHY 360 W3FE	1,067	1,233	1,587	1,288	1,872	2,035	1,514
Seed Source Genetics	SSG UA 222	1,170	1,464	1,299	1,314	1,689	2,107	1,507
Dyna-Gro	DG 3456 B3XF	886	1,329	1,239	1,382	1,869	2,327	1,505
NexGen	NG 4936 B3XF	1,147	1,366	1,380	1,324	1,730	2,020	1,495
UGA	GA 2017129	1,133	1,279	1,266	1,401	1,877	1,997	1,492
PhytoGen	PHY 500 W3FE	792	1,202	1,567	1,358	1,827	2,148	1,483
PhytoGen	1130A329-04	865	1,061	1,266	1,525	2,061	2,090	1,478
PhytoGen	PHY 443 W3FE	830	1,182	1,264	1,304	1,989	2,095	1,444
Dyna-Gro	DG 3644 B3XF	1,028	1,104	1,397	1,327	1,905	1,800	1,427

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Cotton Lint Yields by Location, 2021 (Continued)

Brand	Variety	Tifton	Tifton	Bainbridg	Plains	Midville	Midville	Statewide lintyield
		Irrigated	Dryland	Irrigated	Irrigated	Dryland	Irrigated	
-----lb/acre-----								
Deltapine	DP 1840 B3XF	970	993	1,290	1,390	1,863	1,979	1,414
PhytoGen	PHY 390 W3FE	1,038	1,067	1,414	1,190	1,902	1,857	1,411
UGA	GA 2017126	870	1,304	1,210	1,464	1,739	1,841	1,405
UGA	GA 2016064	1,035	1,353	1,342	1,074	1,727	1,879	1,401
PhytoGen	PHY 332 W3FE	911	1,642	1,410	951	1,770	1,723	1,401
Stoneville	ST 4993B3XF	919	1,258	993	1,253	1,674	1,734	1,305
UGA	GA 2017051	838	881	1,105	1,283	1,749	1,803	1,276
UGA	GA 2015088	903	1,095	931	1,233	1,696	1,721	1,263
UGA	GA 2015086	801	1,012	1,126	1,146	1,331	1,622	1,173
Seed Source Genetics	SSG UA 114	746	915	742	718	1,459	1,547	1,021
Average		1,083	1,337	1,459	1,463	1,871	2,103	1,553
LSD at 10% Level		271	398	259	257	264	238	134
Model R-square		0.55	0.50	0.65	0.58	0.47	0.64	0.65
Strains								
Bayer	20R744B3XF	1,767	.	.	1,574	.	2,647	1,996
Deltapine	DP 1646 B2XF	1,608	.	.	1,476	.	2,760	1,948
Bayer	20R734B3XF	1,296	.	.	1,540	.	2,583	1,806
NexGen	NG 4190 B3XF	1,670	.	.	1,364	.	2,376	1,803
Dyna-Gro	DG 3799 B3XF	1,386	.	.	1,727	.	2,281	1,798
NexGen	AMX20B037B3XF	1,629	.	.	1,301	.	2,321	1,751
NexGen	NG 4936 B3XF	1,225	.	.	1,300	.	2,656	1,727
Deltapine	DP 2012 B3XF	1,149	.	.	1,446	.	2,532	1,709
Bayer	20R741B3XF	1,313	.	.	1,277	.	2,498	1,696
NexGen	NG 3195 B3XF	1,564	.	.	986	.	2,470	1,673
UGA	GA 2017132	1,235	.	.	1,438	.	2,215	1,629
NexGen	NG 5711 B3XF	1,320	.	.	1,318	.	2,209	1,616
UGA	GA 2017131	1,251	.	.	1,408	.	2,179	1,612
NexGen	NG 5150 B3XF	1,295	.	.	1,140	.	2,261	1,565
UGA	GA 2017136	1,313	.	.	1,014	.	2,354	1,560
UGA	GA 2017020	1,142	.	.	1,146	.	2,054	1,447
UGA	GA 2017125	928	.	.	1,135	.	1,880	1,314
UGA	GA 2016013	773	.	.	853	.	1,943	1,189
Average		1,326	-	-	1,302	-	2,345	1,658
LSD at 10% Level		201	-	-	237	-	276	157
Model R-square		0.75	-	-	0.64	-	0.62	0.85

Cotton Lint Yields by Environment Type, 2021

Brand	Variety	Dryland		Irrigated		All Types	
		2021	2-Yr Avg	2021	2-Yr Avg	2021	2-Yr Avg
-----lb/acre-----							
OVT							
Armor	9371 B3XF	1,791	1,780	1,854	1,703	1,833	1,730
Stoneville	BX 2295B3XF	1,771	.	1,783	.	1,779	.
Deltapine	DP 2127 B3XF	1,782	.	1,764	.	1,770	.
Dyna-Gro	DG 3799 B3XF	1,772	1,708	1,767	1,724	1,769	1,719
Armor	9831 B3XF	1,693	1,566	1,793	1,652	1,760	1,622
Deltapine	DP 1646 B2XF	1,964	1,674	1,621	1,488	1,736	1,553
NexGen	AMX20B037B3XF	1,848	.	1,666	.	1,726	.
Deltapine	DP 2115 B3XF	1,761	1,639	1,696	1,540	1,717	1,574
Stoneville	BX 2296B3XF	1,711	.	1,691	.	1,698	.
Stoneville	ST 5091B3XF	1,815	1,619	1,633	1,508	1,694	1,547
Stoneville	BX 2297B3XF	1,658	.	1,706	.	1,690	.
NexGen	NG 4190 B3XF	1,597	.	1,691	.	1,660	.
Deltapine	DP 2038 B3XF	1,642	1,587	1,655	1,595	1,651	1,592
Bayer	20R745NR B3XF	1,675	.	1,636	.	1,649	.
Stoneville	ST 4990B3XF	1,711	1,547	1,609	1,459	1,643	1,490
Dyna-Gro	DG 3615 B3XF	1,804	1,501	1,557	1,467	1,640	1,479
PhytoGen	PHY 545 W3FE	1,618	1,537	1,638	1,527	1,631	1,531
PhytoGen	1140A385-04	1,633	.	1,618	.	1,623	.
Deltapine	DP 2012 B3XF	1,660	1,608	1,601	1,528	1,621	1,556
Deltapine	DP 2020 B3XF	1,657	1,636	1,603	1,525	1,621	1,564
Stoneville	BX 2298B3XF	1,554	.	1,641	.	1,612	.
PhytoGen	PHY 400 W3FE	1,580	1,570	1,627	1,467	1,612	1,503
Deltapine	DP 2055 B3XF	1,637	1,436	1,589	1,462	1,605	1,453
PhytoGen	1150A450-04	1,632	.	1,568	.	1,589	.
PhytoGen	1150A452-04	1,626	.	1,566	.	1,586	.
PhytoGen	PHY 580 W3FE	1,652	1,465	1,548	1,473	1,583	1,470
NexGen	NG 3195 B3XF	1,491	1,500	1,622	1,474	1,578	1,483
PhytoGen	PHY 411 W3FE	1,618	1,476	1,549	1,438	1,572	1,451
PhytoGen	1140A383-04	1,734	.	1,464	.	1,554	.
NexGen	NG 5711 B3XF	1,552	.	1,553	.	1,553	.
Deltapine	DP 2141NR B3XF	1,451	.	1,601	.	1,551	.
Dyna-Gro	DG H959 B3XF	1,530	1,676	1,539	1,525	1,536	1,577
NexGen	NG 5150 B3XF	1,567	1,515	1,515	1,412	1,532	1,448
PhytoGen	1150A453-04	1,615	.	1,489	.	1,531	.
Dyna-Gro	DG 3535 B3XF	1,559	1,527	1,508	1,437	1,525	1,469
PhytoGen	PHY 360 W3FE	1,553	1,453	1,494	1,415	1,514	1,428
Seed Source Genetics	SSG UA 222	1,577	1,521	1,472	1,354	1,507	1,412
Dyna-Gro	DG 3456 B3XF	1,599	.	1,459	.	1,505	.
NexGen	NG 4936 B3XF	1,548	.	1,468	.	1,495	.
UGA	GA 2017129	1,578	.	1,449	.	1,492	.
PhytoGen	PHY 500 W3FE	1,515	1,373	1,466	1,399	1,483	1,390
PhytoGen	1130A329-04	1,561	.	1,436	.	1,478	.
PhytoGen	PHY 443 W3FE	1,586	1,428	1,373	1,331	1,444	1,365
Dyna-Gro	DG 3644 B3XF	1,504	1,725	1,388	1,572	1,427	1,625

Cotton Lint Yields by Environment Type, 2021 (Continued)

Brand	Variety	Dryland		Irrigated		All Types	
		2021	2-Yr Avg	2021	2-Yr Avg	2021	2-Yr Avg
-----lb/acre-----							
Deltapine	DP 1840 B3XF	1,428	1,423	1,407	1,428	1,414	1,427
PhytoGen	PHY 390 W3FE	1,484	1,442	1,375	1,328	1,411	1,367
UGA	GA 2017126	1,522	.	1,346	.	1,405	.
UGA	GA 2016064	1,540	.	1,332	.	1,401	.
PhytoGen	PHY 332 W3FE	1,706	1,528	1,249	1,189	1,401	1,307
Stoneville	ST 4993B3XF	1,466	1,403	1,225	1,243	1,305	1,299
UGA	GA 2017051	1,315	.	1,257	.	1,276	.
UGA	GA 2015088	1,395	.	1,197	.	1,263	.
UGA	GA 2015086	1,171	.	1,174	.	1,173	.
Seed Source Genetics	SSG UA 114	1,187	1,186	938	986	1,021	1,055
Average		1,604	1,535	1,527	1,455	1,553	1,483
LSD at 10% Level		277	170	147	102	134	89
Model R-square		0.48	0.42	0.73	0.67	0.65	0.59

PEANUT

Multi-Year Summary of Peanut Yields, 2018-2021

Variety	Irrigated Average				Dryland Average				Combined Average			
	2021	2-Yr	3-Yr	4-Yr	2021	2-Yr	3-Yr	4-Yr	2021	2-Yr	3-Yr	4-Yr
-----lb/acre-----												
Runner Types												
Georgia-12Y	5,809	5,364	6,101	6,050	5,455	5,015	4,751	4,629	5,632	5,190	5,426	5,340
FloRun™ '331'	5,716	5,200	5,910	6,015	5,007	4,902	4,775	4,683	5,362	5,051	5,343	5,349
ARS 13-1125	5,850	5,400	5,892	.	5,071	4,925	4,705	.	5,460	5,162	5,299	.
Georgia-18RU	5,769	5,307	5,888	5,980	4,907	4,752	4,534	4,517	5,338	5,029	5,211	5,248
Georgia-06G	6,175	5,480	5,862	5,878	4,787	4,557	4,517	4,450	5,481	5,019	5,189	5,164
Georgia-16HO	5,292	4,952	5,570	5,601	4,804	4,706	4,658	4,525	5,048	4,829	5,114	5,063
TUFRunner™ '297'	5,382	4,953	5,510	5,504	4,776	4,669	4,588	4,432	5,079	4,811	5,049	4,968
Georgia-07W	5,424	4,976	5,451	5,570	4,869	4,686	4,534	4,427	5,147	4,831	4,993	4,999
Georgia-09B	5,525	5,002	5,605	5,699	4,620	4,365	4,265	4,193	5,073	4,684	4,935	4,946
AU-NPL 17	5,339	4,748	5,430	5,331	4,918	4,567	4,380	4,156	5,128	4,657	4,905	4,744
Georgia Greener	5,574	5,163	5,457	5,477	4,717	4,542	4,350	4,240	5,145	4,852	4,904	4,858
Georgia-20VHO	5,357	4,903	5,378	5,344	4,642	4,523	4,367	4,277	4,999	4,713	4,872	4,811
GA 163120	4,822	4,506	5,307	.	4,846	4,566	4,346	.	4,834	4,536	4,826	.
Georgia-14N	5,251	4,778	5,270	5,319	4,860	4,572	4,185	4,231	5,055	4,675	4,728	4,775
TifNV-High O/L	5,049	4,729	5,174	5,256	4,433	4,369	4,171	4,206	4,741	4,549	4,672	4,731
Tifguard	4,881	4,509	4,879	5,001	4,218	4,165	4,098	4,079	4,550	4,337	4,489	4,540
GA 142509	5,600	5,156	.	.	4,954	4,856	.	.	5,277	5,006	.	.
GA 142510	5,626	5,262	.	.	4,869	4,737	.	.	5,248	4,999	.	.
GA 142513	5,042	4,842	.	.	4,791	4,719	.	.	4,916	4,780	.	.
GA 162722	5,499	4,959	.	.	4,064	4,026	.	.	4,782	4,492	.	.
GA 162725	5,599	5,052	.	.	4,090	4,005	.	.	4,845	4,529	.	.
GA 163103	5,685	.	.	.	4,597	.	.	.	5,141	.	.	.
UF11x41-HO	5,263	.	.	.	5,031	.	.	.	5,147	.	.	.
Average	5,458	5,012	5,543	5,573	4,753	4,582	4,452	4,360	5,106	4,797	4,997	4,967
LSD at 10% Level	301	267	197	160	259	234	199	165	209	182	141	116
Model R-square	0.65	0.76	0.82	0.79	0.65	0.61	0.79	0.76	0.66	0.71	0.83	0.82
Virginia Types												
TifJumbo	5,645	5,072	5,816	.	5,031	4,756	4,672	.	5,338	4,914	5,244	.
Georgia-11J	5,463	5,076	5,732	5,791	5,111	4,771	4,226	4,199	5,287	4,923	4,979	4,995
Georgia-19HP	5,545	5,048	5,621	5,661	4,623	4,429	4,332	4,433	5,084	4,738	4,977	5,047
Bailey II	4,489	4,021	4,747	4,792	4,214	3,859	3,832	3,763	4,351	3,940	4,289	4,278
Wynne	4,018	3,785	4,303	4,303	3,856	3,583	3,499	3,499	3,937	3,684	3,901	3,901
Sullivan	4,029	3,659	4,149	4,228	3,861	3,535	3,390	3,359	3,945	3,597	3,770	3,793
Average	4,865	4,443	5,061	4,997	4,449	4,155	3,992	3,873	4,657	4,299	4,527	4,435
LSD at 10% Level	323	289	218	193	268	227	214	175	213	184	156	133
Model R-square	0.80	0.82	0.85	0.82	0.69	0.77	0.78	0.76	0.76	0.80	0.83	0.82

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

Variety names preceded by "GA", "UF", or "ARS" are unreleased breeding lines.

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

Seed for Bailey II, Sullivan, and Wynn donated by Severn Peanut Company, Windsor, NC.

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Multi-Year Summary of Peanut Yields, 2018-2021 (Continued)

Variety	Irrigated Average				Dryland Average				Combined Average			
	2021	2-Yr	3-Yr	4-Yr	2021	2-Yr	3-Yr	4-Yr	2021	2-Yr	3-Yr	4-Yr
	-----lb/acre-----											
Valencia Types												
Georgia-VAL/HO	4,118	3,668	3,911	3,847								
Georgia Valencia	3,815	3,108	3,165	3,036								
Georgia Red	3,523	3,174	3,370	3,345								
NuMex-01	2,432	1,869	1,956	1,955								
H & W Val. 136	2,602	1,974	2,102	2,094								
N. M. Val. C	2,819	2,207	2,310	2,256								
N. M. Val. A	2,831	2,134	2,189	2,179								
TAM Val. OL14	2,916	2,378	2,364	2,334								
H & W Val. 118	2,614	2,218	2,449	2,481								
Average	3,074	2,525	2,646	2,614								
LSD at 10% Level	301	204	186	156								
Model R-square	0.82	0.89	0.86	0.84								

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

Variety names preceded by "GA", "UF", or "ARS" are unreleased breeding lines.

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

Spanish and Valencia varieties are only tested under irrigated conditions.

Multi-Location Summary of Peanut Yields, 2021

Variety	Tifton		Midville		Plains	
	Irrigated	Dryland	Irrigated	Dryland	Irrigated	Dryland
-----lb/acre-----						
Runner Types						
ARS 13-1125	6,870	5,713	6,054	5,116	4,626	4,384
AU-NPL 17	6,069	5,519	5,444	4,721	4,504	4,514
FloRun™ '331'	6,028	5,487	6,268	5,116	4,852	4,419
GA 142509	5,917	5,760	5,904	5,096	4,979	4,005
GA 142510	5,542	5,203	6,392	5,084	4,944	4,320
GA 142513	5,735	5,397	5,472	4,891	3,917	4,086
GA 162722	6,572	4,768	5,115	4,220	4,809	3,205
GA 162725	6,598	4,636	5,207	4,214	4,994	3,419
GA 163103	6,665	5,454	5,662	4,438	4,730	3,899
GA 163120	4,493	4,986	5,542	4,971	4,432	4,581
Georgia Greener	6,797	5,639	5,342	4,416	4,583	4,096
Georgia-06G	7,068	5,667	6,246	4,563	5,213	4,132
Georgia-07W	5,935	5,385	5,938	5,415	4,398	3,808
Georgia-09B	6,650	5,311	5,628	4,798	4,297	3,752
Georgia-12Y	6,740	5,814	5,824	5,677	4,863	4,874
Georgia-14N	5,663	5,397	5,391	4,959	4,698	4,225
Georgia-16HO	6,121	5,773	5,872	4,607	3,882	4,031
Georgia-18RU	5,853	5,391	6,114	4,789	5,340	4,541
Georgia-20VHO	6,400	5,666	5,094	4,461	4,577	3,798
Tifguard	5,917	5,173	4,808	4,266	3,919	3,216
TifNV-High O/L	5,664	5,071	5,173	4,472	4,309	3,756
TUFRunner™ '297'	6,150	5,287	5,602	4,323	4,394	4,717
UF11x41-HO	6,148	5,761	5,026	4,973	4,614	4,359
Average	6,156	5,403	5,614	4,765	4,603	4,093
LSD at 10% Level	414	369	408	417	442	448
Model R-square	0.68	0.47	0.59	0.53	0.48	0.53
Virginia Types						
Bailey II	5,389	4,305	5,114	4,549	2,965	3,787
Georgia-11J	5,656	5,097	5,763	5,472	4,971	4,764
Georgia-19HP	6,354	5,363	5,636	4,980	4,645	3,526
Sullivan	4,868	3,969	4,763	4,392	2,456	3,221
TifJumbo	6,475	5,497	6,279	5,624	4,181	3,971
Wynne	4,862	4,138	4,771	4,080	2,420	3,352
Average	5,601	4,728	5,388	4,849	3,606	3,770
LSD at 10% Level	467	330	333	380	623	471
Model R-square	0.73	0.84	0.81	0.78	0.81	0.67

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

Variety names preceded by "GA", "UF", or "ARS" are unreleased breeding lines.

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

Seed for Bailey II, Sullivan, and Wynn donated by Severn Peanut Company, Windsor, NC.

(Continued on next page)

Multi-Location Summary of Peanut Yields, 2021 (Continued)

Variety	Tifton		Midville		Plains	
	Irrigated	Dryland	Dryland	Irrigated	Dryland	Irrigated
-----lb/acre-----						
Valencia Types						
Georgia-Val/HO	4,118	.	.	.	.	.
Georgia Red	3,815	.	.	.	.	.
Georgia Valencia	3,523	.	.	.	.	.
H & W Val. 118	2,432	.	.	.	.	.
H & W Val. 136	2,602	.	.	.	.	.
N. M. Val. A	2,819	.	.	.	.	.
N. M. Val. C	2,831	.	.	.	.	.
NuMex-01	2,916	.	.	.	.	.
TAM Val. OL14	2,614	.	.	.	.	.
Average	3,074	-	-	-	-	-
LSD at 10% Level	301	-	-	-	-	-
Model R-square	0.82	-	-	-	-	-

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

Variety names preceded by "GA", "UF", or "ARS" are unreleased breeding lines.

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

Spanish and Valencia varieties are only tested under irrigated conditions.