

2020 Cotton On-Farm Demonstration Preliminary Results

Parish:	Morehouse	Previous crop:	Corn
Community:	Mer Rouge	Soil type:	Gallion silt loam (minimum till)
Cooperator:	Dan Turner	Irrigation:	Furrow
Agent:	Bruce Garner	GPS coord:	32°46'16.54"N 91°46'54.47"W
Planting date:	12-May-20	Field size:	82 ac. total, 8.2 ac strips
Harvest date:	18-Oct-20	Row spacing:	38 in.

Variety	Harvest Wt. (lbs)	Plot Width (inches)	Row Length (feet)	Acres Per Plot	Seed cotton yield (lbs/acre)
PHY 400 W3FE	2090	228	1875	0.82	2556
ST 4550GLTP	1830	228	1875	0.82	2238
NG 4936 B3XF	2100	228	1875	0.82	2568
DG 3520	2070	228	1875	0.82	2531
PHY 390 W3FE	2120	228	1875	0.82	2592
DP2038B3XF	1410	228	1875	0.82	1724
ST 49900 B3XF	1760	228	1875	0.82	2152
DP 1646 B2XF	2030	228	1875	0.82	2482
DG HALO 959	1770	228	1875	0.82	2164
NG 4098 B3XF	1350	228	1875	0.82	1651

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Parish:	Ouachita	Previous crop:	Corn	Irrigation type:	None
Community:	Bosco	Soil type:	Rilla silt loam	GPS coord:	32.341225, -92.100366
Cooperator:	Trip Faulk	Tillage Type:	Minimal	Plot size:	8 rows
Agent:	Keith Collins	N rate (lbs/acre):	70		
Planting date:	5/21/2020	Seeding rate:	41,000		
Harvest date:	10/22/2020	Row spacing:	38 in.		
Variety	Harvest Wt. (lbs)	Plot Width (inches)	Row Length (feet)	Acres Per Plot	Seed cotton yield (lbs/acre)
NG 4936	1768	304	1165	0.68	2609
DP 1646	1772	304	1162	0.68	2622
PHY 400	1928	304	1160	0.67	2858
DG 3520	1926	304	1150	0.67	2880
ST 4990	1910	304	1137	0.66	2888
PHY 390	1950	304	1143	0.66	2933
DP 2038	1462	304	1145	0.67	2196
DG Halo 959	1434	304	1197	0.70	2060
NG 4098	2076	304	1253	0.73	2849
DG 3402	2022	304	1272	0.74	2733
DG 3585	1946	304	1273	0.74	2629
ST 4550	2088	304	1271	0.74	2825
DG 3799	1448	304	1257	0.73	1981

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Rep	Variety	Harvest Wt. (lbs)	Plot Width (inches)	Row Length (feet)	Acres Per Plot	Seed cotton yield (lbs/acre)	Means Comparison	
	Parish: Pointe Coupee		Previous crop: Corn		Irrigation type: None			
	Community: Innis		Soil type: clay/mix		GPS coord: 30.812672, -91.778219			
	Cooperator: George LaCour		Tillage: Conventional		Plot size: 6 rows			
	Agent: Mark Carriere		N rate (lbs/acre): 85 units					
	Planting date: 5/4/2020		Seeding rate: 33,000/A					
	Harvest date: 9/30/20, 10/1/20		Row spacing: 38"					
2	NG 4098 B3XF	1844	228	1752	0.76	2413	ST 4990B3XF	3431 a
2	ST 4550GLTP	1964	228	1752	0.76	2570	NG 4936 B3XF	3204 b
2	ST 4990B3XF	2646	228	1752	0.76	3463	DG HALO 959	3050 c
2	DP1646B2XF	2174	228	1752	0.76	2845	DP1646B2XF	2948 d
2	DP2038B3XF	2002	228	1758	0.77	2611	DG 3520	2888 d
2	NG 4936 B3XF	2376	228	1758	0.77	3099	PHY 400W3FE	2799 e
2	DG HALO 959	2336	228	1761	0.77	3041	PHY 390 W3FE	2766 e
2	PHY 400W3FE	2172	228	1761	0.77	2828	ST 4550GLTP	2621 f
2	PHY 390 W3FE	2066	228	1764	0.77	2685	DP2038B3XF	2612 f
2	DG 3520	2160	228	1764	0.77	2807	NG 4098 B3XF	2487 g
3	ST 4550GLTP	2028	228	1777	0.78	2616	*Means followed by the same letter are not statistically different (0.10).	
3	NG 4098 B3XF	1946	228	1777	0.78	2511		
3	DP1646B2XF	2228	228	1783	0.78	2865		
3	ST 4990B3XF	2600	228	1783	0.78	3343		
3	NG 4936 B3XF	2490	228	1792	0.78	3186		
3	DP2038B3XF	2004	228	1792	0.78	2564		
3	PHY 400W3FE	2110	228	1800	0.79	2687		
3	DG HALO 959	2330	228	1805	0.79	2959		
3	DG 3520	2202	228	1809	0.79	2791		
3	PHY 390 W3FE	2146	228	1809	0.79	2720		
4	NG 4098 B3XF	2002	228	1810	0.79	2536		
4	ST 4550GLTP	2114	228	1810	0.79	2678		
4	ST 4990B3XF	2754	228	1811	0.79	3486		
4	DP1646B2XF	2476	228	1811	0.79	3134		
4	DP2038B3XF	2132	228	1837	0.80	2661		
4	NG 4936 B3XF	2690	228	1854	0.81	3326		
4	DG HALO 959	2566	228	1867	0.81	3151		
4	PHY 400W3FE	2346	228	1867	0.81	2881		
4	PHY 390 W3FE	2370	228	1878	0.82	2893		
4	DG 3520	2512	228	1878	0.82	3067		

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Parish:	Tensas	Previous crop:	cotton	Irrigation type:	furrow
Community:	Newellton	Soil type:	Commerce silt loam	GPS coord:	-91.178, 32.109
Cooperator:	L. Stonecipher/B. Kifer	Tillage Type:	Stale seedbed	Plot size:	6 row
Agent:	Dennis Burns	N rate (lbs/acre):	120		
Planting date:	5/4/2020	Seeding rate:	40k		
Harvest date:	10/1/2020	Row spacing:	38"		

Variety	Harvest Wt.	Plot Width	Row Length	Acres	Seed cotton yield
	(lbs)	(inches)	(feet)	Per Plot	(lbs/acre)
DPL 1646	4660	228	3477	1.52	3073
Nutrien H959	5070	228	3387	1.48	3432
Nexgen 4098	4820	228	3350	1.46	3299
STV 4990	5310	228	2900	1.26	4198
Nutrien 3520	5290	228	3265	1.42	3715
DPL 2038	4830	228	2896	1.26	3824
Nexgen 4936	4950	228	2815	1.23	4031