

2017 UGA On-Farm Cotton Variety Evaluation Program (Data Summary: Lint Yield, Gin Turnout, Loan Value & Total Value)<sup>1</sup>

Lint Yield (lb/A)		
Variety	Average	LSD Letters
ST 6182 GLT	1,132	A
DP 1538 B2XF	1,126	A
DP 1646 B2XF	1,109	AB
CG 3885 B2XF	1,084	B
NG 5007 B2XF	1,015	C
ST 5115 GLT	1,007	C
NG 4601 B2XF	994	CD
PHY 340 W3FE	990	CD
ST 5020 GLT	986	CDE
DP 1747NR B2XF	985	CDE
PHY 330 W3FE	980	CDE
PHY 450 W3FE	960	DE
PHY 490 W3FE	953	E
LSD (p=0.1)	37	
CV	6.74	
Grand Mean	1025	
P-Value	0.0001	

Gin Turnout (%)		
Variety	Average	LSD Letters
ST 6182 GLT	41.7	A
DP 1747NR B2XF	40.4	B
NG 4601 B2XF	40.1	BC
DP 1646 B2XF	40.0	C
DP 1538 B2XF	39.9	C
CG 3885 B2XF	39.4	D
PHY 340 W3FE	39.2	DE
NG 5007 B2XF	38.8	EF
PHY 330 W3FE	38.5	FG
PHY 490 W3FE	38.4	GH
PHY 450 W3FE	38.1	HI
ST 5115 GLT	37.7	I
ST 5020 GLT	37.3	J
LSD (p=0.1)	0.4	
CV	2	
Grand Mean	39.2	
P-Value	0.0001	

Loan Value (¢/lb) <sup>1</sup>		
Variety	Average	LSD Letters
DP 1646 B2XF	54.28	A
NG 4601 B2XF	54.26	A
PHY 330 W3FE	53.86	AB
NG 5007 B2XF	53.80	AB
PHY 490 W3FE	53.80	AB
PHY 340 W3FE	53.68	B
ST 5020 GLT	53.50	BC
ST 5115 GLT	53.47	BC
CG 3885 B2XF	53.46	BC
ST 6182 GLT	53.40	BC
DP 1747NR B2XF	53.15	C
PHY 450 W3FE	52.60	D
DP 1538 B2XF	51.40	E
LSD (p=0.1)	0.517	
CV	1.71	
Grand Mean	53.435	
P-Value	0.0001	

Total Value (\$/A) <sup>2</sup>		
Variety	Average	LSD Letters
ST 6182 GLT	\$623	A
DP 1646 B2XF	\$621	A
DP 1538 B2XF	\$598	B
CG 3885 B2XF	\$597	B
NG 5007 B2XF	\$564	C
NG 4601 B2XF	\$559	C
ST 5115 GLT	\$559	C
PHY 340 W3FE	\$555	CD
PHY 330 W3FE	\$550	CD
ST 5020 GLT	\$550	CD
DP 1747NR B2XF	\$545	CD
PHY 490 W3FE	\$534	DE
PHY 450 W3FE	\$522	E
LSD (p=0.1)	21.3	
CV	6.62	
Grand Mean	567.4	
P-Value	0.0001	

<sup>1</sup>Fiber quality and lint yield data is averaged over 17 locations. (Telfair & Colquitt Expo are excluded).

Loan values were calculated using classing data and Cotton Incorporated's Loan Value Calculator (base = 49.49 cents).

<sup>2</sup>Total value was calculated by multiplying lint yield and loan value.