



Large-Plot Cotton Variety by Technology Trials



R. Seagroves and A. York

2012 Results

Variety	Herbicide	North-	Wayne	Duplin	Mont-	Average
		hampton			gomery	
		----- Lint yield (lb/A) -----				
DP 1028 B2RF	Roundup	1750	1800	1450	1990	1770**
ST 4946 GLB2	Liberty	1740	1720	1400	2030	1750*
DP 1034 B2RF	Roundup	1730	1700	1410	1820	1670
PHY 499 WRF	Roundup	1660	1550	1220	1850	1590
ST 5445 LLB2	Liberty	1710	1790	1100	1720	1580
ST 4145 LLB2	Liberty	1610	1640	1130	1650	1510
FM 1944 GLB2	Liberty	1560	1580	1030	1630	1480
ST 6448 GLB2	Liberty	1600	1520	1040	1680	1470
FM 1845 LLB2	Liberty	1510	1490	1150	1740	1460

** Highest yield

* Not different from highest yield



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2013 Results

Variety	Herbicide	Bertie	Edgecombe	Montgomery	Average
----- Lint yield (lb/A) -----					
PHY 375 WRF	Roundup	1760	1290	920	1320**
PHY 499 WRF	Roundup	1750	1210	880	1290*
DP 1321 B2RF	Roundup	1670	1190	950	1280*
PHY 339 WRF	Roundup	1690	1170	870	1250*
ST 4747 GLB2	Liberty	1600	1290	870	1250*
ST 4946 GLB2	Liberty	1600	1310	830	1240*
PHY 367 WRF	Roundup	1680	1120	880	1230
FM 1944 GLB2	Liberty	1590	1260	760	1200
DP 1137 B2RF	Roundup	1400	1020	1000	1150
DP 1028 B2RF	Roundup	1460	1040	890	1130
ST 6448 GLB2	Liberty	1570	1050	750	1130

** Highest yield

* Not different from highest yield



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Impact of herbicide program on PHY 499 yield.

Year	Location	Herbicide program	
		Roundup	Liberty
		---- Lint yield (lb/A) ----	
2012	Northampton	1660	1490
	Wayne	1550	1560
	Duplin	1220	1020
	Montgomery	1850	1770
2013	Bertie	1750	1560
	Edgecombe	1210	1130
	Montgomery	880	800
Average		1450	1330



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2014 Trial

- Three locations: Bertie, Edgecombe, Wayne counties

Herbicide program

Variety	Herbicide program	
	Roundup	Liberty
DP 1028 B2RF	X	
DP 1137 B2RF	X	
DP 1321 B2RF	X	
DP 12R224 B2RF	X	
FM 1944 GLB2	X	X
ST 4747 GLB2	X	X
ST 4946 GLB2	X	X
BX 1534 GLB2	X	X
ST 6448 GLB2	X	X
PHY 333 WRF	X	X
PHY 339 WRF	X	X
PHY 375 WRF	X	X
PHY 499 WRF	X	X