2014 COTTON VARIETY TESTING AND ON-FARM RESULTS



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General Information

The official cotton variety testing program (OVT) evaluates the performance of commercial and experimental cotton varieties. Varieties were tested at three non-irrigated locations during 2014. All locations were planted using a two row Seed Research Equipment Solutions Classic Aire planter. All locations were harvested using a 2-row John Deere 9930 cotton picker modified with a system to collect cotton in mesh bags for weighing. The 2014 OVT received 51 entries from five seed companies. Each company was charged an entry fee for each hybrid per location entered. Five extra varieties were entered in the Suffolk trial #1 location as part of a regional variety testing program protocol.

Statistical Analyses

To determine yield differences among varieties at each location the authors have incorporated some basic statistics in the tables. The primary tool for determining the differences among varieties is the LSD (least significant difference) (0.1) value listed at the bottom of the column in the tables. When the difference between varieties is larger than the LSD value, then the varieties can be considered different; however when the difference between varieties is less than the LSD value these varieties cannot be considered different.

Relative Yield

When varieties are grown at multiple locations, each having differing yield potentials, a comparison of absolute yield (lint yields) could bias variety comparisons to favor one variety over another. The purpose of the cotton OVT program is to evaluate varieties on genetic yield potential and fiber quality traits and not on differences in environmental conditions where they were tested.

can be made across locations, relative yields were calculated. Relative yields were calculated by taking individual plot yields and dividing by the highest average yield for a variety within each location:

$$Relative Yield = \frac{Plot Yield}{Highest Avg. Yield}$$

Relative yields for each plot were then averaged to calculate the average relative yield for a variety at a given location. The highest relative yield possible at each location is 1.00.

Variety Selection

Selecting the appropriate variety for your given environment is the most important decision a cotton producer will face during the growing season. Producers should take notice that variety performance depends heavily on environmental conditions at the site where the variety is grown. For this reason, decisions should not be made using a variety's performance at a single location in a given year. Averages across locations should be evaluated carefully and relative yields give insights to where the variety ranks compared to the top yielding variety in that given environment. Varieties which consistently rank near the top in relative yield across years and locations have a higher yield stability. More stable varieties minimize yield fluctuations due to environmental conditions, but do not guarantee the maximum achievable yield level under every environmental condition.

Fiber Quality

The following tables also provide fiber quality characteristics on the tested varieties. Fiber quality is important to downstream consumers in the global cotton market and should be incorporated in variety decisions.

The following tables provide an excellent summary of the yield potential and fiber characteristics of cotton varieties in Virginia.

2014 Agronomic Inputs for Locations

(Rates on a per acre basis)

Suffolk, VA Trial #1

Planted: May 8, 2014

Harvested: Oct. 27, 2014

Population: 43,560 plants/acre

Fertilizer: 330 lbs. 6-16-39 Preplant Broadcast on Apr. 22, 2014

> 40 units 24-0-0-3 and 1 gt. Boron dribbled between rows on Jun. 20, 2014 40 units 24-0-0-3 and 1 gt. Boron dribbled between rows on Jun. 28, 2014

Cover Crop: Small grain

6 oz. Pentia® on Jun. 26, 2014 PGR:

8 oz. Pentia[®] on Jul. 14, 2014 10 oz. Pentia[®] on Jul. 30, 2014

1 qt. Touchdown® on Apr. 21, 2014 Herbicide:

1 qt. Roundup WeatherMax® on May 6, 2014

1.5 pt. Acumen[®] and 1 qt. Cotoran[®] on May 9, 2014 1 pt. Select Max[®] on Jul. 1, 2014

Insecticide:

6 oz. Orthene® on May 28, 2014 8 oz. Orthene® on Jun. 4, 2014 6 oz. Brigade® on Jul. 30, 2014

2 oz. Baythroid[®] and 2 oz. Belt[®] on Aug. 14, 2014 2 oz. Baythroid[®] and 2 oz. Belt[®] on Aug. 18, 2014

1 gt. Finish 6 Pro[®], 1 pt. SuperBoll[®], 10 oz. Folex[®], 3 oz. Dropp[®] on Oct. 1, 2014 Harvest Aid:

Plot Size: 2 rows 40' x 36" 4 replications

Dragston and Eunola Soil Type

Robert Ashburn, Karl Jones Cooperator:

Suffolk, VA Trial #2

Planted: May 5, 2014

Harvested: Oct. 24, 2014

Population: 43,560 plants/acre

Fertilizer: 330 lbs. 6-16-39 Preplant Broadcast on Apr. 22, 2014

> 40 units 24-0-0-3 and 1 qt. Boron dribbled between rows on Jun. 20, 2014 40 units 24-0-0-3 and 1 qt. Boron dribbled between rows on Jun. 28, 2014

Cover Crop Small grain

6 oz. Pentia® on Jun. 26, 2014 PGR:

10 oz. Pentia® on Jul. 30, 2014

1 qt. Touchdown® on Apr. 21, 2014 Herbicide:

1.5 pts. Acumen[®] and 1 qt. Cotoran[®] on May 5, 2014

1 pt. Select Max® on Jul. 1, 2014

Insecticide:

6 oz. Orthene 97[®] on May 22, 2014 8 oz. Orthene 97[®] on Jun. 4, 2014 6 oz. Brigade[®] on Jul. 30, 2014

2 oz. Belt[®] and 2 oz. Baythroid[®] on Aug. 14, 2014 2 oz. Belt[®] and 2 oz. Baythroid[®] on Aug. 18, 2014

1 gt. Finish 6 Pro[®], 1 pt. SuperBoll[®], 10 oz. Folex[®], 3 oz. Dropp[®] on Oct. 1, 2014 Harvest Aid:

Plot Size: 2 rows 40' x 36" 4 replications

Soil Type **Emporia and Nansemond**

Cooperator: Robert Ashburn, Karl Jones

Southampton Co., VA

Planted: May 13, 2014

Harvested: Oct. 28, 2014

43,560 plants/acre Population:

Fertilizer: 200 lb. 7-18-36 Preplant

> 25 gal. 24-0-03S Sidedress 32 oz. N-Boron on Jun. 27, 2014 6 oz. Ful-Bor® on Jul. 16, 2014 16 oz. 10% Boron on Aug. 8, 2014

12 oz. Pix[®] on Jul. 16, 2014 12 oz. Pix[®] on Aug. 8, 2014 PGR:

32 oz. Roundup PowerMax[®], 1.5 oz. Valor[®], 32 oz. 2-4D Amine[®] at Preplant Herbicide:

32 oz. Roundup PowerMax® on May 26, 2014 32 oz. Roundup PowerMax® on Jun. 27, 2014

6 oz. Acephate® on May 26, 2014 Insecticide:

5 oz. Bifenthrin[®], 4 oz. Bidrin[®] on Aug. 8, 2014

48 oz. Ethephon[®], 3 oz. Thidazuron[®], 12 oz. Folex[®] on Oct. 3, 2014 **Harvest Aids:**

Plot Size: 2 rows 40' x 36" 4 replications

Cooperator: Lewis and M.L. Everett

On-Farm Variety Trials

Table 1: Planting and Harvest Date for County On-Farm Trials

County	Planting Date	Harvest Date
Greensville	May 13, 2014	Nov. 19, 2014
Isle of Wight	May 3, 2014	Oct. 20, 2014
Southampton #1	May 8, 2014	Oct. 29, 2014
Southampton #2	May 23, 2014	Dec. 4, 2014
Suffolk	May 6, 2014	Nov. 4, 2014
Surry	May 13, 2014	Oct. 21, 2014

Table 2: Relative yields for all varieties at all locations entered in the 2014 Official Variety Testing (OVT) Program

Seed Company	Variety	Maturity		Relative Yie	ld	Avg. Relati Yield
			Suffolk #1	Suffolk #2	Southampton	
Dow AgroSciences	PHY 444 WRF	early	0.95	0.94	0.99	0.96
Dow AgroSciences	PHY 333 WRF	early	1.00	0.93	0.93	0.95
Bayer CropScience	ST 4946 GLB2	early-mid	0.93	1.00	0.88	0.94
Dow Agrosciences	PX 554010 WRF [¶]	mid	0.93	0.94	0.93	0.93
ow Agrosciences	PX 49907 W3RF [¶]	mid	0.90	0.94	0.94	0.93
ow Agrosciences	PX 554057 WRF [¶]	mid	0.87	0.92	0.98	0.93
ow Agrosciences	PHY 495 W3RF	mid	0.93	0.90	0.95	0.93
lonsanto	DP 0912 B2RF	early	0.98	0.91	0.88	0.92
Ionsanto	DP 1137 B2RF	mid	0.82	0.94	1.00	0.92
ow Agrosciences	PHY 499 WRF	mid	0.99	0.93	0.84	0.92
ow Agrosciences	PX 49936 W3RF [¶]	mid	0.93	0.91	0.87	0.90
eed Source Genetics	SSG HQ 210 CT	early-mid	0.93	0.89	0.0 <i>1</i>	0.90
	PHY 312 WRF	•	0.92	0.89	0.77	0.90
ow Agrosciences	_	early				
ow Agrosciences	PX 300314 WRF ¹	early	0.93	0.99	0.77	0.89
ow Agrosciences	PHY 575 WRF	mid-full	0.89	0.82	0.93	0.88
ow Agrosciences	PHY 552 WRF	mid	0.86	0.88	0.88	0.87
ayer CropScience	ST 4747 GLB2	early	0.83	0.87	0.90	0.87
ayer CropScience	ST 6448 GLB2	full	0.78	0.87	0.94	0.86
lonsanto	DP 1028 B2RF	mid	0.90	0.89	0.80	0.86
eed Source Genetics	SSG UA 222	early-mid	0.86	0.86	-	0.86
ow Agrosciences	PX 37520 W3RF [¶]	early	0.84	0.88	0.85	0.86
ow Agrosciences	PHY 375 WRF	early	0.84	0.93	0.79	0.85
lonsanto	DP 1034 B2RF	mid	0.83	0.89	0.81	0.85
Bayer CropScience	ST 5115GLT	early	0.83	0.87	0.84	0.84
lonsanto	DP 1133 B2RF	mid	0.88	0.88	0.77	0.84
ayer CropScience	BX 1532 GLT [¶]	early	0.86	0.88	0.77	0.84
ow Agrosciences	PHY 427 WRF	early	0.81	0.83	0.86	0.84
PS Dyna-Gro	DG CT14515 [¶]	medium	0.94	0.84	0.73	0.84
ayer CropScience	ST 6182GLT	mid-full	0.84	0.83	0.81	0.83
ow Agrosciences	PX 37508 W3RF [¶]	early	0.79	0.88	0.81	0.83
ayer CropScience	ST 5032 GLB2	early-mid	0.82	0.90	0.72	0.81
ow Agrosciences	PHY 339 WRF	early	0.85	0.83	0.75	0.81
ayer CropScience	FM 1944 GLB2	early-mid	0.87	0.88	0.69	0.81
mericot/NexGen	NG 1511 B2RF	medium	0.79	0.89	0.76	0.81
PS Dyna-Gro	DG 2285 B2RF	early	0.79	0.87	0.77	0.81
lonsanto	DP 1321 B2RF	early	0.77	0.82	0.83	0.80
ow Agrosciences	PHY 417 WRF	early	0.77	0.62	0.81	0.80
ayer CropScience	BX 1531 GLT [¶]	-	0.83	0.77	0.81	0.79
•		early				
lonsanto low Agrosciences	DP 1311 B2RF PHY 487 WRF	early early	0.75 0.87	0.80 0.77	0.81 0.72	0.79 0.79
-		-				
ayer CropScience	ST 5289 GLB2	mid-full	0.76	0.80	0.79	0.78
ayer CropScience	BX 1536 GLT [¶]	mid-full	0.83	0.83	0.67	0.78
Bayer CropScience	BX 1535 GLT [¶]	mid-full	0.80	0.83	0.69	0.78

2014

[¶] Experimental lines not released		LSD (0.1)	0.090	0.091	0.141	
_		Mean	0.86	0.87	0.82	
Bayer CropScience	BX 1533 GLT [¶]	early-mid	0.76	0.82	0.65	0.74
Monsanto	MON 12R224B2R2 [¶]	early	0.82	0.78	0.67	0.76
CPS Dyna-Gro	DG 2355 B2RF	early-mid	0.72	0.80	0.76	0.76

Table 3: Two year (2013-2014) relative yield averages for varieties tested each year

Seed Company	Variety	Avg. Relative Yield
Dow AgroSciences	PHY 333 WRF	1.00
Monsanto	DP 0912 B2RF	0.95
Bayer CropScience	ST 4946 GLB2	0.95
Dow AgroSciences	PHY 499 WRF	0.94
Monsanto	DP 1137 B2RF	0.92
Bayer CropScience	ST 4747 GLB2	0.92
Monsanto	DP 1028 B2RF	0.91
Dow AgroSciences	PHY 339 WRF	0.91
Dow AgroSciences	PHY 375 WRF	0.91
Monsanto	DP 1133 B2RF	0.90
Monsanto	DP 1321 B2RF	0.90
Americot/NexGen	NG 1511 B2RF	0.90
Dow AgroSciences	PHY 427 WRF	0.89
Monsanto	DP 1034 B2RF	0.88
Bayer CropScience	ST 6448 GLB2	0.88
CPS Dyna-Gro	DG 2285 B2RF	0.87
Bayer CropScience	FM 1944 GLB2	0.87
Monsanto	MON 12R224B2R2	0.87
Monsanto	DP 1311 B2RF	0.86
Dow AgroSciences	PHY 417 WRF	0.86
	Mean	0.89

Table 4: Three year (2012-2014) relative yield averages for varieties tested each year

Seed Company	Variety	Avg. Relative Yield
Dow AgroSciences	PHY 333 WRF	1.00
Bayer CropScience	ST 4946 GLB2	0.97
Dow AgroSciences	PHY 499 WRF	0.96
Monsanto	DP 0912 B2RF	0.95
Monsanto	DP 1137 B2RF	0.95
Monsanto	DP 1028 B2RF	0.94
Monsanto	DP 1321 B2RF	0.93
Americot/NexGen	NG 1511 B2RF	0.93
Dow AgroSciences	PHY 339 WRF	0.93
Dow AgroSciences	PHY 375 WRF	0.93
CPS Dyna-Gro	DG 2285 B2RF	0.90
Monsanto	DP 1034 B2RF	0.89
Monsanto	DP 1311 B2RF	0.88
Bayer CropScience	FM 1944 GLB2	0.88
	Mean	0.93

Table 5: Lint yield and fiber quality of varieties tested during 2014 at the Suffolk, VA #1 location

Seed Company	Variety	Lint Yield	Lint		Fiber P		
		lb./A	%	Mic.	Len.	Str.	Uni.
					(in.)	(g/tex)	(%)
Dow AgroSciences	PHY 333 WRF	2250.7	44.0	4.1	1.18	29.1	84.2
Dow AgroSciences	PHY 499 WRF	2233.4	45.4	4.5	1.16	30.9	84.7
Monsanto	DP 0912 B2RF	2195.9	43.2	4.6	1.13	29.2	83.7
Dow AgroSciences	PHY 444 WRF	2145.6	44.6	3.5	1.24	29.4	85.4
Monsanto	DP 1252 B2RF	2121.3	45.4	4.6	1.16	25.7	84.2
CPS Dyna-Gro	DG CT14515 [¶]	2112.2	44.2	3.9	1.16	31.2	83.5
Dow AgroSciences	PX 554010 WRF [¶]	2098.8	44.9	3.8	1.17	29.8	84.6
Bayer CropScience	ST 4946 GLB2	2096.0	42.1	4.4	1.16	30.2	83.7
Dow AgroSciences	PHY 495 W3RF	2093.6	44.4	4.3	1.15	29.3	84.2
Dow AgroSciences	PX 49936 W3RF [¶]	2085.3	44.5	4.4	1.16	29.9	83.6
Dow AgroSciences	PX 300314 WRF [¶]	2085.0	42.3	3.8	1.13	30.7	82.3
Dow AgroSciences Dow AgroSciences	PHY 312 WRF	2080.2	43.8	4.2	1.13	29.8	83.5
Seed Source Genetics	SSG HQ 210 CT	2063.7	42.1	4.2	1.19	30.4	83.3
Dow AgroSciences	PX 49907 W3RF [¶]	2003.7	44.4	4.3	1.15	29.5	83.3
Monsanto	DP 1028 B2RF	2030.3	43.7	4.4	1.16	27.3	84.8
Bayer CropScience	FM 2484 B2F	2020.8	43.9	3.9	1.21	28.8	83.9
Dow AgroSciences	PHY 575 WRF	1993.0	41.7	3.8	1.26	28.3	84.0
Monsanto	DP 1050 B2RF	1986.5	44.4	4.3	1.18	26.5	84.0
Monsanto	DP 1133 B2RF	1971.8	43.2	4.3	1.19	29.5	84.8
Dow AgroSciences	PX 554057 WRF [¶]	1965.7	42.8	3.8	1.22	30.7	84.8
Bayer CropScience	FM 1944 GLB2	1959.7	39.4	4.0	1.21	33.2	83.4
Dow AgroSciences	PHY 487 WRF	1952.6	43.1	4.1	1.10	27.7	82.4
Seed Source Genetics	UA 222	1945.4	42.1	4.1	1.23	29.9	83.6
Bayer CropScience	BX 1532 GLT [¶]	1933.8	45.8	4.1	1.17	28.4	83.9
Dow AgroSciences	PHY 552 WRF	1933.8	43.4	3.8	1.20	31.5	84.6
Dow AgroSciences	PHY 339 WRF	1914.1	42.6	4.0	1.21	28.8	83.8
Bayer CropScience	ST 6182GLT	1895.9	45.8	4.1	1.15	28.1	84.2
Dow AgroSciences	PHY 375 WRF	1891.2	42.6	3.8	1.13	28.4	83.3
Dow AgroSciences	PX 37508 W3RF [¶]	1889.4	41.0	3.7	1.15	29.0	83.3
Bayer CropScience	BX 1531 GLT [¶]	1878.5	44.2	4.2	1.16	28.6	82.6
Monsanto	DP 1034 B2RF	1875.9	42.7	4.3	1.18	28.1	83.5
Bayer CropScience	ST 4747 GLB2	1874.3	42.6	4.1	1.21	30.5	83.4
Bayer CropScience	BX 1536 GLT [¶]	1873.1	43.8	3.8	1.17	31.0	83.8
Bayer CropScience	ST 5115GLT	1860.9	41.2	3.9	1.16	30.5	82.8
Monsanto	MON 12R224B2R2 [¶]	1851.0	41.0	3.9	1.18	29.5	83.5
Monsanto	DP 1137 B2RF	1844.4	43.4	4.3	1.16	30.2	84.2
Bayer CropScience	ST 5032 GLB2	1839.8	43.4 40.8	4.3 3.7	1.10	30.2	83.7
Dow AgroSciences	PHY 427 WRF	1830.6	40.6 40.6	3.6	1.22	30.9	83.0
Dow AgroSciences	PHY 417 WRF	1814.0	42.6	3.5	1.15	30.3	82.8
Bayer CropScience	BX 1535 GLT [¶]	1809.9	42.0	3.5	1.13	33.4	83.0
•	_						
Dow AgroSciences	PX 37520 W3RF [¶]	1786.6	41.5	3.8	1.15	27.2	82.5
CPS Dyna-Gro	DG 2285 B2RF	1776.3	43.7	4.1	1.18	28.7	83.6
Americot/NexGen	NG 1511 B2RF	1768.6 technic Institute and S	44.7	4.7	1.17	29.4	84.1

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Bayer CropScience Dow AgroSciences	ST 6448 GLB2 PHY 725 RF	1764.6 1740.8	41.5 41.6	4.0 4.1	1.21 1.20	30.9 29.3	82.5 83.7
Monsanto	DP 1321 B2RF	1725.8	41.8	4.4	1.17	30.5	84.3
Bayer CropScience	BX 1533 GLT [¶]	1712.3	41.2	3.9	1.22	33.0	83.1
Americot/NexGen	NG 5315 B2RF	1710.4	43.8	4.4	1.18	25.4	84.2
Bayer CropScience	ST 5289 GLB2	1706.6	41.0	3.9	1.15	29.2	82.3
Monsanto	DP 1311 B2RF	1689.0	43.4	4.1	1.17	28.7	83.2
CPS Dyna-Gro	DG 2355 B2RF	1626.8	39.8	3.9	1.17	29.8	84.3
	Mean	1928.2	43.0	4.05	1.17	29.52	83.66
	LSD (0.1)	202.66	0.92	0.22	0.026	1.54	0.90

[¶] experimental lines not released

Table 6: Lint yield and fiber quality of varieties tested during 2014 at the Suffolk, VA #2 location

Seed Company	Seed Company Variety Lint Yield Lint Fiber Properties					roperties	
		lb./A	%	Mic.	Len.	Str.	Uni.
					(in.)	(g/tex)	(%)
Bayer CropScience	ST 4946 GLB2	1876.4	41.2	4.4	1.15	31.0	83.7
Dow AgroSciences	PHY 312 WRF	1863.5	42.9	4.2	1.19	30.5	83.6
Dow AgroSciences	PX 300314 WRF [¶]	1852.9	43.2	3.7	1.12	31.8	82.4
Dow AgroSciences	PX 49907 W3RF [¶]	1768.7	44.7	4.2	1.16	30.5	83.4
Monsanto	DP 1137 B2RF	1768.3	46.2	4.4	1.14	28.9	84.4
Dow AgroSciences	PHY 444 WRF	1763.6	43.1	3.5	1.26	31.1	84.6
Dow AgroSciences	PX 554010 WRF [¶]	1756.8	45.0	3.8	1.17	30.7	84.8
Dow AgroSciences	PHY 375 WRF	1750.3	42.8	3.9	1.13	29.6	83.6
Dow AgroSciences	PHY 499 WRF	1743.0	45.6	4.5	1.17	31.8	85.2
Dow AgroSciences	PHY 333 WRF	1737.8	43.2	4.1	1.18	29.8	84.3
Dow AgroSciences	PX 554057 WRF [¶]	1734.1	43.4	3.9	1.23	31.5	84.9
Dow AgroSciences	PX 49936 W3RF [¶]	1710.3	43.9	4.3	1.15	31.2	83.8
Monsanto	DP 0912 B2RF	1703.9	44.1	4.6	1.13	30.0	83.7
Bayer CropScience	ST 5032 GLB2	1685.5	41.1	3.6	1.21	31.8	84.0
Dow AgroSciences	PHY 495 W3RF	1682.1	44.7	4.4	1.15	29.5	84.2
Monsanto	DP 1034 B2RF	1670.8	41.8	4.4	1.17	28.7	83.6
Americot/NexGen	NG 1511 B2RF	1670.2	43.0	4.7	1.17	29.9	84.2
Seed Source Genetics	SSG HQ 210 CT	1665.1	42.2	4.4	1.13	30.9	83.6
Monsanto	DP 1028 B2RF	1661.4	43.0	4.3	1.17	28.1	84.2
Dow AgroSciences	PX 37508 W3RF [¶]	1658.6	41.4	3.7	1.15	29.6	83.3
Monsanto	DP 1133 B2RF	1657.6	43.3	4.3	1.19	30.2	85.4
Bayer CropScience	BX 1532 GLT [¶]	1655.2	44.8	4.1	1.18	29.5	83.3
Dow AgroSciences	PHY 552 WRF	1646.9	43.0	3.7	1.21	32.2	84.7
Dow AgroSciences	PX 37520 W3RF [¶]	1645.9	41.7	3.7	1.14	28.5	82.4
Bayer CropScience	FM 1944 GLB2	1643.4	40.3	4.0	1.20	33.5	83.4
Bayer CropScience	ST 5115GLT	1631.4	41.9	3.9	1.16	30.9	82.7
CPS Dyna-Gro	DG 2285 B2RF	1629.8	43.4	4.0	1.19	29.7	83.7
Bayer CropScience	ST 6448 GLB2	1629.5	41.6	4.0	1.21	31.6	82.3
Bayer CropScience	ST 4747 GLB2	1624.4	42.7	4.1	1.22	31.4	83.6
Seed Source Genetics	UA 222	1605.5	41.6	4.1	1.22	30.5	83.5
CPS Dyna-Gro	DG CT14515 [¶]	1573.3	44.2	4.0	1.16	32.2	83.9
Dow AgroSciences	PHY 427 WRF	1566.4	40.7	3.5	1.15	30.7	83.1
Bayer CropScience	ST 6182GLT	1564.7	44.5	4.1	1.16	29.2	84.4
Dow AgroSciences	PHY 339 WRF	1562.2	42.6	4.0	1.21	29.5	83.8
Bayer CropScience	BX 1536 GLT [¶]	1560.4	44.6	3.8	1.17	32.2	83.8
Bayer CropScience	BX 1535 GLT [¶]	1560.2	43.4	3.7	1.20	34.3	82.9
Bayer CropScience	BX 1531 GLT ¹	1547.0	43.8	4.2	1.16	29.5	83.1
Monsanto	DP 1321 B2RF	1538.6	42.1	4.4	1.17	30.4	84.4
Bayer CropScience	BX 1533 GLT ¹	1532.5	41.7	4.0	1.21	32.9	83.1
Dow AgroSciences	PHY 575 WRF	1531.1	41.6	3.8	1.26	29.5	84.4
Bayer CropScience	ST 5289 GLB2	1508.5	41.1	4.1	1.14	31.1	82.4
CPS Dyna-Gro	DG 2355 B2RF	1495.0	40.1	3.9	1.17	30.5	84.6
Monsanto	DP 1311 B2RF	1494.2	43.3	4.1	1.17	28.7	83.8
2014		lytechnic Institute and					3000-000

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Monsanto	MON 12R224B2R2 [¶]	1472.8	41.4	3.9	1.17	30.0	83.4
Dow AgroSciences	PHY 487 WRF	1452.7	43.2	4.1	1.09	28.3	82.6
Dow AgroSciences	PHY 417 WRF	1444.8	42.8	3.6	1.15	30.8	83.0
	Mean	1641.2	43.0	4.04	1.17	30.5	83.74
	LSD (0.1)	170.79	1.99	0.16	0.020	0.85	0.72

[¶] experimental lines not released

Table 7: Lint yield and fiber quality of varieties tested during 2014 at the Southampton Co., VA location

Monsanto	Seed Company	Variety	Lint Yield	Lint		Fiber P	roperties	
Monsanto DP 1137 B2RF 2017.4 45.8 4.7 1.11 28.3 82 20			lb/A	%	Mic.	Len.	Str.	Uni.
Dow AgroSciences PHY 444 WRF 1998.2 45.6 3.7 1.23 32.0 85 Dow AgroSciences PX 554057 WRF ¹ 1985.4 44.2 3.9 1.16 31.8 83 Dow AgroSciences PX 49907 W3RF ¹ 1894.2 44.7 4.4 1.12 30.2 82 Bayer CropScience ST 6448 GLB2 1892.9 44.4 4.4 1.20 30.4 82 Dow AgroSciences PHY 575 WRF 1883.5 43.7 3.9 1.21 30.3 30.3 30.3 38 1.10 28.8 80 Dow AgroSciences PHY 575 WRF 1883.5 43.7 3.9 1.21 30.3 30.3 38 1.10 28.8 80 Dow AgroSciences PHY 575 WRF 1883.5 43.7 4.3 1.16 30.7 38 1.10 28.8 80 Dow AgroSciences PHY 575 WRF 1883.5 45.0 4.1 1.16 31.1 30.3 83 30.1 1.1 20.						(in.)	(g/tex)	(%)
Dow AgroSciences PX 554057 WRF [†] 1985.4 44.2 3.9 1.16 31.8 83 Dow AgroSciences PHY 495 W3RF 1923.8 44.0 4.6 1.12 31.8 83 Dow AgroSciences PHY 495 W3RF 1982.9 44.4 4.4 1.12 30.2 32 Dow AgroSciences PHY 575 WRF 1883.5 43.7 3.9 1.21 30.3 33 Dow AgroSciences PHY 554010 WRF [†] 1863.3 45.0 4.3 1.16 30.7 33 Bayer CropScience ST 4747 GLB2 1823.4 42.9 4.1 1.16 30.7 33 Bayer CropScience ST 4946 GLB2 1777.5 43.2 5.0 1.10 29.4 82 Dow AgroSciences PHY 952 WRF 1766.9 44.6 4.0 1.14 31.2 30.3 33 Dow AgroSciences PHY 499 WRF 1738.1 41.8 4.0 1.14 30.8 32 Dow AgroSciences PHY 37508 W3RF [†] <t< td=""><td>Monsanto</td><td>DP 1137 B2RF</td><td>2017.4</td><td>45.8</td><td>4.7</td><td>1.11</td><td>28.3</td><td>82.3</td></t<>	Monsanto	DP 1137 B2RF	2017.4	45.8	4.7	1.11	28.3	82.3
Dow AgroSciences PHY 495 W3RF 1923.8 44.0 4.6 1.12 31.8 83 Dow AgroSciences PX 49907 W3RF [†] 1894.2 44.7 4.4 1.12 30.2 82 Bayer CropSciences ST 6448 GLB2 1892.9 44.4 4.4 1.20 30.4 82 Dow AgroSciences PHY 575 WRF 1883.5 43.7 3.9 1.21 30.3 38 Dow AgroSciences PX 554010 WRF [†] 1877.3 46.1 3.8 1.10 28.8 33 Dow AgroSciences PHY 333 WRF 1868.3 45.0 4.3 1.16 30.7 83 Bayer CropScience PHY 3496 GLB2 1777.5 43.2 5.0 1.10 29.4 82 Bayer CropSciences PHY 552 WRF 1766.9 44.6 4.0 1.14 30.3 33 33 Dow AgroSciences PHY 4958 W3RF 1779.3 44.4 4.5 1.11 31.4 30.8 31.2 29.4 82 <th< td=""><td>Dow AgroSciences</td><td>PHY 444 WRF</td><td>1998.2</td><td>45.6</td><td>3.7</td><td>1.23</td><td>32.0</td><td>83.6</td></th<>	Dow AgroSciences	PHY 444 WRF	1998.2	45.6	3.7	1.23	32.0	83.6
Dow AgroSciences PX 49907 W3RF ¹ 1894.2 44.7 4.4 1.12 30.2 82 Bayer CropSciences ST 6448 GLB2 1892.9 44.4 4.4 1.20 30.4 85 Dow AgroSciences PHY 575 WRF 1883.5 43.7 3.9 1.21 30.3 35 Dow AgroSciences PHY 333 WRF 1868.3 45.0 4.3 1.16 30.7 85 Bayer CropScience ST 4747 GLB2 1823.4 42.9 4.1 1.16 30.7 83 Bayer CropScience ST 4946 GLB2 1777.2 44.5 3.9 1.15 30.3 33 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30	•	PX 554057 WRF [¶]	1985.4	44.2		1.16	31.8	83.8
Bayer CropScience	Dow AgroSciences	PHY 495 W3RF	1923.8	44.0	4.6	1.12	31.8	83.9
Dow AgroSciences PHY 575 WRF 1883.5 43.7 3.9 1.21 30.3 83 Dow AgroSciences PX 554010 WRF ¹¹ 1877.3 46.1 3.8 1.10 228.8 38 Dow AgroSciences ST 4747 GLB2 1823.4 42.9 4.1 1.16 30.7 35 Bayer CropScience ST 4946 GLB2 1777.2 44.5 3.9 1.15 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.2 40.4 40.0	_	PX 49907 W3RF [¶]	1894.2	44.7	4.4	1.12	30.2	82.6
Dow AgroSciences PHY 575 WRF 1883.5 43.7 3.9 1.21 30.3 83 Dow AgroSciences PX 554010 WRF ¹ 1877.3 46.1 3.8 1.10 228.8 38 Dow AgroSciences ST 4747 GLB2 1823.4 42.9 4.1 1.16 30.7 35 Bayer CropScience ST 4946 GLB2 1777.2 44.5 3.9 1.15 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 33 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.2 40.1 <td< td=""><td>Bayer CropScience</td><td>ST 6448 GLB2</td><td>1892 9</td><td>44 4</td><td>4 4</td><td>1 20</td><td>30.4</td><td>82.3</td></td<>	Bayer CropScience	ST 6448 GLB2	1892 9	44 4	4 4	1 20	30.4	82.3
Dow AgroSciences PX 554010 WRF ^{II} 1877.3 46.1 3.8 1.10 28.8 85 Dow AgroSciences PHY 333 WRF 1868.3 45.0 4.3 1.16 30.7 33 Monsanto DP 0912 B2RF 1779.5 43.2 5.0 1.10 29.4 82 Bayer CropScience ST 4946 GLB2 1777.2 44.5 3.9 1.15 30.3 33 Dow AgroSciences PHY 552 WRF 1766.9 44.6 4.0 1.14 31.2 36 Dow AgroSciences PX 49936 W3RFI 1759.3 44.4 4.5 1.11 31.4 33 31.4 33.9 1.12 30.9 31.4 33.9 1.12 30.9 31.4 31.4 33.9 1.12 30.9 31.4 33.9 1.12 32.9 33.1 43.1 4.5 4.0 1.12 30.9 31.4 30.8 32.7 32.2 84.4 4.0 1.14 30.8 32.2 33.2 33.2 33.2	•							83.9
Dow AgroSciences PHY 333 WRF 1868.3 45.0 4.3 1.16 30.7 85 Bayer CropScience ST 4747 GLB2 1823.4 42.9 4.1 1.16 31.1 81 Monsanto DP 0912 B2RF 1779.5 43.2 5.0 1.10 29.4 82 Bayer CropSciences ST 4946 GLB2 1777.2 44.5 3.9 1.15 30.3 35 Dow AgroSciences PX 49936 W3RF ¹ 1766.9 44.6 4.0 1.14 31.2 82 Dow AgroSciences PX 49936 W3RF ¹ 1759.3 44.4 4.5 1.11 31.4 30.8 82 Dow AgroSciences PHY 427 WRF 1738.1 41.8 4.0 1.12 30.9 81 Dow AgroSciences PHY 499 WRF 1693.1 45.1 4.7 1.12 30.9 81 Bayer CropScience ST 5115GLT 1684.9 43.6 3.9 1.12 29.4 82 Monsanto DP 1032 B2RF 1663.4	•	_						83.0
Bayer CropScience ST 4747 GLB2 1823.4 42.9 4.1 1.16 31.1 81 Monsanto DP 0912 B2RF 1779.5 43.2 5.0 1.10 29.4 82 Bayer CropScience ST 4946 GLB2 1777.2 44.5 3.9 1.15 30.3 83 Dow AgroSciences PH 9552 WRF 1766.9 44.6 4.0 1.14 31.2 82 Dow AgroSciences PK 49936 W3RF ¹ 1759.3 44.4 4.5 1.11 31.4 83 Dow AgroSciences PHY 427 WRF 1738.1 41.8 4.0 1.14 30.8 82 Dow AgroSciences PHY 499 WRF 1693.1 45.1 4.7 1.12 30.9 81 Bayer CropScience PH 1321 B2RF 1668.4 44.5 4.6 1.14 29.2 83 Monsanto DP 1034 B2RF 1643.9 45.6 4.3 1.16 29.6 83 Dow AgroSciences PK 37520 W3RF ¹ 1635.7 43.1	_							83.5
Monsanto	~							81.8
Bayer CropScience ST 4946 GLB2 1777.2 44.5 3.9 1.15 30.3 83 Dow AgroSciences PHY 552 WRF 1766.9 44.6 4.0 1.14 31.2 82 Dow AgroSciences PX 49936 W3RF [†] 1759.3 44.4 4.5 1.11 31.4 83 Dow AgroSciences PHY 427 WRF 1738.1 41.8 4.0 1.12 30.9 81 Dow AgroSciences PHY 499 WRF 1693.1 45.1 4.7 1.12 30.9 81 Dow AgroSciences PHY 499 WRF 1693.1 45.1 4.7 1.12 30.9 81 Bayer CropScience ST 5115GLT 1684.9 43.6 3.9 1.12 29.4 82 Monsanto DP 1321 B2RF 1668.4 44.5 4.6 1.14 29.2 83 Monsanto DP 1311 B2RF 1635.7 43.1 4.1 1.09 27.8 86 Monsanto DP 1311 B2RF 1635.7 46.1 4.4	-							82.9
Dow AgroSciences PHY 552 WRF 1766.9 44.6 4.0 1.14 31.2 82 Dow AgroSciences PX 49936 W3RF [†] 1759.3 44.4 4.5 1.11 31.4 83 Dow AgroSciences PX 37508 W3RF [†] 1771.7 43.5 4.0 1.12 30.9 81 Dow AgroSciences PHY 499 WRF 1693.1 45.1 4.7 1.12 32.2 84 Bayer CropScience ST 5115GLT 1684.9 43.6 3.9 1.12 29.4 82 Monsanto DP 1321 B2RF 1668.4 44.5 4.6 1.14 29.2 83 Monsanto DP 1034 B2RF 1668.4 44.5 4.6 1.14 29.2 83 Monsanto DP 1311 B2RF 1635.7 43.1 4.1 1.09 27.8 86 Monsanto DP 1311 B2RF 1635.7 43.1 4.1 1.09 27.8 82 Bayer CropSciences PHY 417 WRF 1630.5 45.6 3.6								83.3
Dow AgroSciences PX 49936 W3RF ¹ 1759.3 44.4 4.5 1.11 31.4 83 Dow AgroSciences PHY 427 WRF 1738.1 41.8 4.0 1.14 30.8 82 Dow AgroSciences PX 37508 W3RF ¹ 1717.7 43.5 4.0 1.12 30.9 81 Dow AgroSciences PHY 499 WRF 1693.1 45.1 4.7 1.12 32.2 24 Bayer CropScience ST 5115GLT 1684.9 43.6 3.9 1.12 29.4 82 Monsanto DP 1321 B2RF 1668.4 44.5 4.6 1.14 29.2 83 Monsanto DP 1034 B2RF 1643.9 45.6 4.3 1.16 29.6 83 Dow AgroSciences PX 37520 W3RF ¹ 1635.7 43.1 4.1 1.09 27.8 80 Monsanto DP 1311 B2RF 1635.7 46.1 4.4 1.14 28.5 82 Dow AgroSciences PHY 417 WRF 1630.5 46.3 4.4								82.7
Dow AgroSciences PHY 427 WRF 1738.1 41.8 4.0 1.14 30.8 82 Dow AgroSciences PX 37508 W3RF [†] 1717.7 43.5 4.0 1.12 30.9 81 Dow AgroSciences PHY 499 WRF 1693.1 45.1 4.7 1.12 32.2 84 Bayer CropScience ST 5115GLT 1684.9 43.6 3.9 1.12 29.4 82 Monsanto DP 1321 B2RF 1668.4 44.5 4.6 1.14 29.2 83 Monsanto DP 1034 B2RF 1643.9 45.6 4.3 1.16 29.6 83 Dow AgroSciences PX 37520 W3RF [†] 1635.7 43.1 4.1 1.09 27.8 86 Monsanto DP 1311 B2RF 1635.7 46.1 4.4 1.14 28.5 82 Dow AgroSciences PHY 417 WRF 1630.5 45.6 3.6 1.13 30.5 82 Bayer CropScience ST 5289 GLB2 1596.3 44.7 4.2 <td>•</td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>83.1</td>	•	_						83.1
Dow AgroSciences PX 37508 W3RF¶ 1717.7 43.5 4.0 1.12 30.9 81 Dow AgroSciences PHY 499 WRF 1693.1 45.1 4.7 1.12 32.2 84 Bayer CropScience ST 5115GLT 1684.9 43.6 3.9 1.12 29.4 82 Monsanto DP 1321 B2RF 1668.4 44.5 4.6 1.14 29.2 83 Monsanto DP 1034 B2RF 1668.4 44.5 4.6 1.14 29.2 83 Monsanto DP 1034 B2RF 1663.7 43.1 4.1 1.09 27.8 83 Dow AgroSciences PX 37520 W3RF¶ 1635.7 43.1 4.1 1.09 27.8 83 Dow AgroSciences PHY 417 WRF 1630.5 45.6 3.6 1.13 30.5 82 Bayer CropScience ST 6182GLT 1622.5 42.2 4.5 1.14 29.6 82 Bayer CropScience ST 5289 GLB2 1596.3 44.7 4.2	•							82.7
Dow AgroSciences PHY 499 WRF 1693.1 45.1 4.7 1.12 32.2 84 Bayer CropScience ST 5115GLT 1684.9 43.6 3.9 1.12 29.4 82 Monsanto DP 1321 B2RF 1668.4 44.5 4.6 1.14 29.2 83 Monsanto DP 1034 B2RF 1643.9 45.6 4.3 1.16 29.6 83 Dow AgroSciences PX 37520 W3RF ¹ 1635.7 43.1 4.1 1.09 27.8 80 Monsanto DP 1311 B2RF 1635.7 46.1 4.4 1.14 28.5 82 Dow AgroSciences PHY 417 WRF 1630.5 45.6 3.6 1.13 30.5 82 Bayer CropScience ST 6182GLT 1628.2 46.3 4.4 1.11 27.2 82 Monsanto DP 1028 B2RF 1622.5 42.2 4.5 1.14 29.6 82 Bayer CropSciences ST 5289 GLB2 1596.3 44.7 4.2		_						
Bayer CropScience ST 5115GLT 1684.9 43.6 3.9 1.12 29.4 82 Monsanto DP 1321 B2RF 1668.4 44.5 4.6 1.14 29.2 83 Monsanto DP 1034 B2RF 1643.9 45.6 4.3 1.16 29.6 83 Dow AgroSciences PX 37520 W3RF [¶] 1635.7 43.1 4.1 1.09 27.8 80 Monsanto DP 1311 B2RF 1635.7 46.1 4.4 1.14 28.5 82 Dow AgroSciences PHY 417 WRF 1630.5 45.6 3.6 1.13 30.5 82 Bayer CropScience ST 6182GLT 1628.2 46.3 4.4 1.11 27.2 82 Monsanto DP 1028 B2RF 1622.5 42.2 4.5 1.14 29.6 32 Bayer CropScience ST 5289 GLB2 1596.3 44.7 4.2 1.13 30.9 82 CPS Dyna-Gro DG 2285 B2RF 1588.0 45.0 4.2								81.8
Monsanto DP 1321 B2RF 1668.4 44.5 4.6 1.14 29.2 83 Monsanto DP 1034 B2RF 1643.9 45.6 4.3 1.16 29.6 83 Dow AgroSciences PX 37520 W3RF [¶] 1635.7 43.1 4.1 1.09 27.8 80 Monsanto DP 1311 B2RF 1635.7 46.1 4.4 1.14 28.5 82 Dow AgroSciences PHY 417 WRF 1630.5 45.6 3.6 1.13 30.5 82 Bayer CropScience ST 6182GLT 1628.2 46.3 4.4 1.11 27.2 82 Monsanto DP 1028 B2RF 1622.5 42.2 4.5 1.14 29.6 82 Bayer CropScience ST 5289 GLB2 1596.3 44.7 4.2 1.13 30.9 82 CPS Dyna-Gro DG 2285 B2RF 1556.3 45.0 4.2 1.10 28.9 Bayer CropScience BX 1532 GLT [¶] 1556.5 45.9 4.0 1.15	_							84.0
Monsanto DP 1034 B2RF 1643.9 45.6 4.3 1.16 29.6 83 Dow AgroSciences PX 37520 W3RF [¶] 1635.7 43.1 4.1 1.09 27.8 80 Monsanto DP 1311 B2RF 1635.7 46.1 4.4 1.14 28.5 82 Dow AgroSciences PHY 417 WRF 1630.5 45.6 3.6 1.13 30.5 82 Bayer CropScience ST 6182GLT 1628.2 46.3 4.4 1.11 27.2 82 Monsanto DP 1028 B2RF 1622.5 42.2 4.5 1.14 29.6 82 Bayer CropScience ST 5289 GLB2 1596.3 44.7 4.2 1.13 30.9 82 Dow AgroSciences PHY 375 WRF 1588.0 45.0 4.2 1.10 28.9 82 CPS Dyna-Gro DG 2285 B2RF 1557.3 41.9 4.4 1.14 30.4 82 Bayer CropSciences PX 300314 WRF [¶] 1549.6 43.6 4.2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>82.3</td>								82.3
Dow AgroSciences PX 37520 W3RF [†] 1635.7 43.1 4.1 1.09 27.8 80 Monsanto DP 1311 B2RF 1635.7 46.1 4.4 1.14 28.5 82 Dow AgroSciences PHY 417 WRF 1630.5 45.6 3.6 1.13 30.5 82 Bayer CropScience ST 6182GLT 1628.2 46.3 4.4 1.11 27.2 82 Monsanto DP 1028 B2RF 1622.5 42.2 4.5 1.14 29.6 82 Bayer CropScience ST 5289 GLB2 1596.3 44.7 4.2 1.13 30.9 82 Dow AgroSciences PHY 375 WRF 1588.0 45.0 4.2 1.10 28.9 82 CPS Dyna-Gro DG 2285 B2RF 1557.3 41.9 4.4 1.14 30.4 82 Bayer CropSciences PHY 312 WRF 1556.5 45.9 4.0 1.15 30.1 83 Dow AgroSciences PX 300314 WRF [†] 1549.6 43.6								83.3
Monsanto DP 1311 B2RF 1635.7 46.1 4.4 1.14 28.5 82 Dow AgroSciences PHY 417 WRF 1630.5 45.6 3.6 1.13 30.5 82 Bayer CropScience ST 6182GLT 1628.2 46.3 4.4 1.11 27.2 82 Monsanto DP 1028 B2RF 1622.5 42.2 4.5 1.14 29.6 82 Bayer CropScience ST 5289 GLB2 1596.3 44.7 4.2 1.13 30.9 82 Dow AgroSciences PHY 375 WRF 1588.0 45.0 4.2 1.10 28.9 82 CPS Dyna-Gro DG 2285 B2RF 1557.3 41.9 4.4 1.14 30.4 82 Bayer CropScience BX 1532 GLT ¹¹ 1556.5 45.9 4.0 1.15 30.1 83 Dow AgroSciences PHY 312 WRF 1555.6 43.5 4.3 1.14 30.4 82 Monsanto DP 1133 B2RF 1547.5 44.5 4.8	Monsanto		1643.9	45.6	4.3	1.16	29.6	83.6
Dow AgroSciences PHY 417 WRF 1630.5 45.6 3.6 1.13 30.5 82 Bayer CropScience ST 6182GLT 1628.2 46.3 4.4 1.11 27.2 82 Monsanto DP 1028 B2RF 1622.5 42.2 4.5 1.14 29.6 82 Bayer CropScience ST 5289 GLB2 1596.3 44.7 4.2 1.13 30.9 82 Dow AgroSciences PHY 375 WRF 1588.0 45.0 4.2 1.10 28.9 82 CPS Dyna-Gro DG 2285 B2RF 1557.3 41.9 4.4 1.14 30.4 82 Bayer CropScience BX 1532 GLT ¹ 1556.5 45.9 4.0 1.15 30.1 83 Dow AgroSciences PHY 312 WRF 1555.6 43.5 4.3 1.14 30.4 82 Monsanto DP 1133 B2RF 1547.5 44.5 4.8 1.14 29.9 83 CPS Dyna-Gro DG 2355 B2RF 1541.4 42.0 4.2	Dow AgroSciences	PX 37520 W3RF [¶]	1635.7	43.1	4.1	1.09	27.8	80.6
Bayer CropScience ST 6182GLT 1628.2 46.3 4.4 1.11 27.2 82 Monsanto DP 1028 B2RF 1622.5 42.2 4.5 1.14 29.6 82 Bayer CropScience ST 5289 GLB2 1596.3 44.7 4.2 1.13 30.9 82 Dow AgroSciences PHY 375 WRF 1588.0 45.0 4.2 1.10 28.9 82 CPS Dyna-Gro DG 2285 B2RF 1557.3 41.9 4.4 1.14 30.4 82 Bayer CropScience BX 1532 GLT [¶] 1556.5 45.9 4.0 1.15 30.1 83 Dow AgroSciences PHY 312 WRF 1555.6 43.5 4.3 1.14 30.4 82 Monsanto DP 1133 B2RF 1549.6 43.6 4.2 1.11 30.4 82 CPS Dyna-Gro DG 2355 B2RF 1541.4 42.0 4.2 1.12 30.7 82 Dow AgroSciences PHY 339 WRF 1519.7 41.8 4.2	Monsanto	DP 1311 B2RF	1635.7	46.1	4.4	1.14	28.5	82.1
Monsanto DP 1028 B2RF 1622.5 42.2 4.5 1.14 29.6 82 Bayer CropScience ST 5289 GLB2 1596.3 44.7 4.2 1.13 30.9 82 Dow AgroSciences PHY 375 WRF 1588.0 45.0 4.2 1.10 28.9 82 CPS Dyna-Gro DG 2285 B2RF 1557.3 41.9 4.4 1.14 30.4 82 Bayer CropScience BX 1532 GLT [¶] 1556.5 45.9 4.0 1.15 30.1 83 Dow AgroSciences PHY 312 WRF 1555.6 43.5 4.3 1.14 30.4 83 Dow AgroSciences PX 300314 WRF [¶] 1549.6 43.6 4.2 1.11 30.4 82 Monsanto DP 1133 B2RF 1547.5 44.5 4.8 1.14 29.9 83 CPS Dyna-Gro DG 2355 B2RF 1541.4 42.0 4.2 1.12 30.7 82 Dow AgroSciences PHY 339 WRF 1519.7 41.8 4.2 <td>Dow AgroSciences</td> <td>PHY 417 WRF</td> <td>1630.5</td> <td>45.6</td> <td>3.6</td> <td>1.13</td> <td>30.5</td> <td>82.2</td>	Dow AgroSciences	PHY 417 WRF	1630.5	45.6	3.6	1.13	30.5	82.2
Bayer CropScience ST 5289 GLB2 1596.3 44.7 4.2 1.13 30.9 82 Dow AgroSciences PHY 375 WRF 1588.0 45.0 4.2 1.10 28.9 82 CPS Dyna-Gro DG 2285 B2RF 1557.3 41.9 4.4 1.14 30.4 82 Bayer CropScience BX 1532 GLT [¶] 1556.5 45.9 4.0 1.15 30.1 83 Dow AgroSciences PHY 312 WRF 1555.6 43.5 4.3 1.14 30.4 83 Dow AgroSciences PX 300314 WRF [¶] 1549.6 43.6 4.2 1.11 30.4 82 Monsanto DP 1133 B2RF 1547.5 44.5 4.8 1.14 29.9 83 CPS Dyna-Gro DG 2355 B2RF 1541.4 42.0 4.2 1.12 30.7 82 Americot/NexGen NG 1511 B2RF 1532.6 43.5 4.9 1.09 29.7 82 Dow AgroSciences PHY 339 WRF 1519.7 41.8 <td< td=""><td>Bayer CropScience</td><td>ST 6182GLT</td><td>1628.2</td><td>46.3</td><td>4.4</td><td>1.11</td><td>27.2</td><td>82.7</td></td<>	Bayer CropScience	ST 6182GLT	1628.2	46.3	4.4	1.11	27.2	82.7
Dow AgroSciences PHY 375 WRF 1588.0 45.0 4.2 1.10 28.9 82 CPS Dyna-Gro DG 2285 B2RF 1557.3 41.9 4.4 1.14 30.4 82 Bayer CropScience BX 1532 GLT [¶] 1556.5 45.9 4.0 1.15 30.1 83 Dow AgroSciences PHY 312 WRF 1555.6 43.5 4.3 1.14 30.4 83 Dow AgroSciences PX 300314 WRF [¶] 1549.6 43.6 4.2 1.11 30.4 82 Monsanto DP 1133 B2RF 1547.5 44.5 4.8 1.14 29.9 83 CPS Dyna-Gro DG 2355 B2RF 1541.4 42.0 4.2 1.12 30.7 82 Americot/NexGen NG 1511 B2RF 1532.6 43.5 4.9 1.09 29.7 82 Dow AgroSciences PHY 339 WRF 1519.7 41.8 4.2 1.15 30.2 83 CPS Dyna-Gro DG CT14515 [¶] 1476.7 44.3 4.3	Monsanto	DP 1028 B2RF	1622.5	42.2	4.5	1.14	29.6	82.9
Dow AgroSciences PHY 375 WRF 1588.0 45.0 4.2 1.10 28.9 82 CPS Dyna-Gro DG 2285 B2RF 1557.3 41.9 4.4 1.14 30.4 82 Bayer CropScience BX 1532 GLT [¶] 1556.5 45.9 4.0 1.15 30.1 83 Dow AgroSciences PHY 312 WRF 1555.6 43.5 4.3 1.14 30.4 83 Dow AgroSciences PX 300314 WRF [¶] 1549.6 43.6 4.2 1.11 30.4 82 Monsanto DP 1133 B2RF 1547.5 44.5 4.8 1.14 29.9 83 CPS Dyna-Gro DG 2355 B2RF 1541.4 42.0 4.2 1.12 30.7 82 Americot/NexGen NG 1511 B2RF 1532.6 43.5 4.9 1.09 29.7 82 Dow AgroSciences PHY 339 WRF 1519.7 41.8 4.2 1.15 30.2 83 CPS Dyna-Gro DG CT14515 [¶] 1476.7 44.3 4.3	Bayer CropScience	ST 5289 GLB2	1596.3	44.7	4.2	1.13	30.9	82.0
CPS Dyna-Gro DG 2285 B2RF 1557.3 41.9 4.4 1.14 30.4 82 Bayer CropScience BX 1532 GLT [¶] 1556.5 45.9 4.0 1.15 30.1 83 Dow AgroSciences PHY 312 WRF 1555.6 43.5 4.3 1.14 30.4 83 Dow AgroSciences PX 300314 WRF [¶] 1549.6 43.6 4.2 1.11 30.4 82 Monsanto DP 1133 B2RF 1547.5 44.5 4.8 1.14 29.9 83 CPS Dyna-Gro DG 2355 B2RF 1541.4 42.0 4.2 1.12 30.7 82 Americot/NexGen NG 1511 B2RF 1532.6 43.5 4.9 1.09 29.7 82 Dow AgroSciences PHY 339 WRF 1519.7 41.8 4.2 1.15 30.2 83 CPS Dyna-Gro DG CT14515 [¶] 1476.7 44.3 4.3 1.09 30.4 80 Bayer CropScience ST 5032 GLB2 1462.3 42.5 3								82.0
Bayer CropScience BX 1532 GLT [¶] 1556.5 45.9 4.0 1.15 30.1 83 Dow AgroSciences PHY 312 WRF 1555.6 43.5 4.3 1.14 30.4 83 Dow AgroSciences PX 300314 WRF [¶] 1549.6 43.6 4.2 1.11 30.4 82 Monsanto DP 1133 B2RF 1547.5 44.5 4.8 1.14 29.9 83 CPS Dyna-Gro DG 2355 B2RF 1541.4 42.0 4.2 1.12 30.7 82 Americot/NexGen NG 1511 B2RF 1532.6 43.5 4.9 1.09 29.7 82 Dow AgroSciences PHY 339 WRF 1519.7 41.8 4.2 1.15 30.2 83 CPS Dyna-Gro DG CT14515 [¶] 1476.7 44.3 4.3 1.09 30.4 80 Bayer CropScience ST 5032 GLB2 1462.3 42.5 3.9 1.20 31.2 82 Bayer CropSciences PHY 487 WRF 1443.4 44.0	_							82.7
Dow AgroSciences PHY 312 WRF 1555.6 43.5 4.3 1.14 30.4 83 Dow AgroSciences PX 300314 WRF [¶] 1549.6 43.6 4.2 1.11 30.4 82 Monsanto DP 1133 B2RF 1547.5 44.5 4.8 1.14 29.9 83 CPS Dyna-Gro DG 2355 B2RF 1541.4 42.0 4.2 1.12 30.7 82 Americot/NexGen NG 1511 B2RF 1532.6 43.5 4.9 1.09 29.7 82 Dow AgroSciences PHY 339 WRF 1519.7 41.8 4.2 1.15 30.2 83 CPS Dyna-Gro DG CT14515 [¶] 1476.7 44.3 4.3 1.09 30.4 80 Bayer CropScience ST 5032 GLB2 1462.3 42.5 3.9 1.20 31.2 82 Bayer CropScience BX 1531 GLT [¶] 1461.6 45.3 4.5 1.10 28.9 81 Dow AgroSciences PHY 487 WRF 1443.4 44.0 <t< td=""><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td>83.2</td></t<>	•							83.2
Monsanto DP 1133 B2RF 1547.5 44.5 4.8 1.14 29.9 83 CPS Dyna-Gro DG 2355 B2RF 1541.4 42.0 4.2 1.12 30.7 82 Americot/NexGen NG 1511 B2RF 1532.6 43.5 4.9 1.09 29.7 82 Dow AgroSciences PHY 339 WRF 1519.7 41.8 4.2 1.15 30.2 83 CPS Dyna-Gro DG CT14515 [¶] 1476.7 44.3 4.3 1.09 30.4 80 Bayer CropScience ST 5032 GLB2 1462.3 42.5 3.9 1.20 31.2 82 Bayer CropScience BX 1531 GLT [¶] 1461.6 45.3 4.5 1.10 28.9 81 Dow AgroSciences PHY 487 WRF 1443.4 44.0 4.0 1.12 30.5 82 Bayer CropScience BX 1535 GLT [¶] 1401.4 42.5 3.7 1.17 31.8 82 Bayer CropScience BX 1536 GLT [¶] 1359.4 41.9								83.6
Monsanto DP 1133 B2RF 1547.5 44.5 4.8 1.14 29.9 83 CPS Dyna-Gro DG 2355 B2RF 1541.4 42.0 4.2 1.12 30.7 82 Americot/NexGen NG 1511 B2RF 1532.6 43.5 4.9 1.09 29.7 82 Dow AgroSciences PHY 339 WRF 1519.7 41.8 4.2 1.15 30.2 83 CPS Dyna-Gro DG CT14515 [¶] 1476.7 44.3 4.3 1.09 30.4 80 Bayer CropScience ST 5032 GLB2 1462.3 42.5 3.9 1.20 31.2 82 Bayer CropScience BX 1531 GLT [¶] 1461.6 45.3 4.5 1.10 28.9 81 Dow AgroSciences PHY 487 WRF 1443.4 44.0 4.0 1.12 30.5 82 Bayer CropScience BX 1535 GLT [¶] 1401.4 42.5 3.7 1.17 31.8 82 Bayer CropScience BX 1536 GLT [¶] 1359.4 41.9	Dow AgroSciences	PX 300314 WRF [¶]	1549 6	43.6	42	1 11	30.4	82.4
CPS Dyna-Gro DG 2355 B2RF 1541.4 42.0 4.2 1.12 30.7 82 Americot/NexGen NG 1511 B2RF 1532.6 43.5 4.9 1.09 29.7 82 Dow AgroSciences PHY 339 WRF 1519.7 41.8 4.2 1.15 30.2 83 CPS Dyna-Gro DG CT14515 [¶] 1476.7 44.3 4.3 1.09 30.4 80 Bayer CropScience ST 5032 GLB2 1462.3 42.5 3.9 1.20 31.2 82 Bayer CropScience BX 1531 GLT [¶] 1461.6 45.3 4.5 1.10 28.9 81 Dow AgroSciences PHY 487 WRF 1443.4 44.0 4.0 1.12 30.5 82 Bayer CropScience BX 1535 GLT [¶] 1401.4 42.5 3.7 1.17 31.8 82 Bayer CropScience BX 1536 GLT [¶] 1359.4 41.9 3.9 1.13 32.2 82	•							83.5
Americot/NexGen NG 1511 B2RF 1532.6 43.5 4.9 1.09 29.7 82 Dow AgroSciences PHY 339 WRF 1519.7 41.8 4.2 1.15 30.2 83 CPS Dyna-Gro DG CT14515 [¶] 1476.7 44.3 4.3 1.09 30.4 80 Bayer CropScience ST 5032 GLB2 1462.3 42.5 3.9 1.20 31.2 82 Bayer CropScience BX 1531 GLT [¶] 1461.6 45.3 4.5 1.10 28.9 81 Dow AgroSciences PHY 487 WRF 1443.4 44.0 4.0 1.12 30.5 82 Bayer CropScience BX 1535 GLT [¶] 1401.4 42.5 3.7 1.17 31.8 82 Bayer CropScience FM 1944 GLB2 1390.7 41.4 4.0 1.17 31.8 82 Bayer CropScience BX 1536 GLT [¶] 1359.4 41.9 3.9 1.13 32.2 82								82.4
Dow AgroSciences PHY 339 WRF 1519.7 41.8 4.2 1.15 30.2 83 CPS Dyna-Gro DG CT14515 [¶] 1476.7 44.3 4.3 1.09 30.4 80 Bayer CropScience ST 5032 GLB2 1462.3 42.5 3.9 1.20 31.2 82 Bayer CropScience BX 1531 GLT [¶] 1461.6 45.3 4.5 1.10 28.9 81 Dow AgroSciences PHY 487 WRF 1443.4 44.0 4.0 1.12 30.5 82 Bayer CropScience BX 1535 GLT [¶] 1401.4 42.5 3.7 1.17 33.9 82 Bayer CropScience FM 1944 GLB2 1390.7 41.4 4.0 1.17 31.8 82 Bayer CropScience BX 1536 GLT [¶] 1359.4 41.9 3.9 1.13 32.2 82	•							82.6
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Bayer CropScience ST 5032 GLB2 1462.3 42.5 3.9 1.20 31.2 82 Bayer CropScience BX 1531 GLT [¶] 1461.6 45.3 4.5 1.10 28.9 81 Dow AgroSciences PHY 487 WRF 1443.4 44.0 4.0 1.12 30.5 82 Bayer CropScience BX 1535 GLT [¶] 1401.4 42.5 3.7 1.17 33.9 82 Bayer CropScience FM 1944 GLB2 1390.7 41.4 4.0 1.17 31.8 82 Bayer CropScience BX 1536 GLT [¶] 1359.4 41.9 3.9 1.13 32.2 82	-							
Bayer CropScience BX 1531 GLT [¶] 1461.6 45.3 4.5 1.10 28.9 81 Dow AgroSciences PHY 487 WRF 1443.4 44.0 4.0 1.12 30.5 82 Bayer CropScience BX 1535 GLT [¶] 1401.4 42.5 3.7 1.17 33.9 82 Bayer CropScience FM 1944 GLB2 1390.7 41.4 4.0 1.17 31.8 82 Bayer CropScience BX 1536 GLT [¶] 1359.4 41.9 3.9 1.13 32.2 82	•							80.9
Dow AgroSciences PHY 487 WRF 1443.4 44.0 4.0 1.12 30.5 82 Bayer CropScience BX 1535 GLT [¶] 1401.4 42.5 3.7 1.17 33.9 82 Bayer CropScience FM 1944 GLB2 1390.7 41.4 4.0 1.17 31.8 82 Bayer CropScience BX 1536 GLT [¶] 1359.4 41.9 3.9 1.13 32.2 82	•	_						82.5
Bayer CropScience BX 1535 GLT [¶] 1401.4 42.5 3.7 1.17 33.9 82 Bayer CropScience FM 1944 GLB2 1390.7 41.4 4.0 1.17 31.8 82 Bayer CropScience BX 1536 GLT [¶] 1359.4 41.9 3.9 1.13 32.2 82	•							81.6
Bayer CropScience FM 1944 GLB2 1390.7 41.4 4.0 1.17 31.8 82 Bayer CropScience BX 1536 GLT [¶] 1359.4 41.9 3.9 1.13 32.2 82	•	_						82.7
Bayer CropScience BX 1536 GLT [¶] 1359.4 41.9 3.9 1.13 32.2 82	•							82.1
, ,	•	_						82.6
Monsanto MON 12R224B2R2 ¹¹ 1344.6 42.4 4.0 1.16 29.8 83								82.5
					4.0	1.16	29.8	83.8

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Bayer CropScience	BX 1533 GLT [¶]	1308.9	41.7	4.3	1.19	32.6	83.1
	Mean	1653.2	44.0	4.22	1.14	30.37	82.75
	LSD (0.1)	287.06	1.93	0.21	0.023	1.00	0.87

[¶] experimental lines not released

Table 8: Yield, fiber quality, & performance of varieties in the Isle of Wight Co. 2014 On-farm trial

Seed Company	Variety	Lint Yield	Lint				
		lb/A	%	Mic.	Len. (in.)	Str. (g/tex)	Uni. (%)
Monsanto	DP 1028 B2RF	1522.9	45.9	4.5	1.13	28.1	84.2
Monsanto	DP 1133 B2RF	1495.2	44.4	4.6	1.11	28.6	83.0
Dow AgroSciences	PHY 499 WRF	1443.9	46.4	4.6	1.11	29.6	83.0
Bayer CropScience	ST 4747 GLB2	1442.3	44.6	3.9	1.15	29.0	81.7
Americot/NexGen	NG 1511 B2RF	1424.3	47.8	4.5	1.11	28.2	83.1
Dow AgroSciences	PHY 333 WRF	1412.1	44.8	4.1	1.15	28.1	83.3
Dow AgroSciences	PHY 375 WRF	1406.8	44.4	3.9	1.12	27.3	83.3
Monsanto	DP 1321 B2RF	1403.5	43.5	4.5	1.14	29.9	82.5
Bayer CropScience	FM 1944 GLB2	1391.7	42.0	4.3	1.17	30.0	83.0
Bayer CropScience	ST 4946 GLB2	1339.8	43.0	4.2	1.12	29.4	82.8
Dow AgroSciences	PHY 339 WRF	1317.3	43.9	3.8	1.16	29.0	83.3
Monsanto	DP 12R224 B2R2	1300.7	42.3	3.9	1.17	28.3	82.4
	Mean	1408.4	44.4	4.2	1.14	28.8	83.0

Table 9: Yield, fiber quality, & performance of varieties in the City of Suffolk 2014 On-farm trial

Seed Company	Variety	Lint Yield	Lint	Fiber Properties			
	-	lb/A	%	Mic.	Len. (in.)	Str. (g/tex)	Uni. (%)
Bayer CropScience	ST 4946 GLB2	2074.6	41.8	4.4	1.16	31.1	84.1
Monsanto	DP 1321 B2RF	2047.3	44.6	4.6	1.16	29.3	84.5
Americot/NexGen	NG 1511 B2RF	2020.2	46.1	4.7	1.13	29.5	83.3
Monsanto	DP 12R224 B2R2	1954.6	42.5	4.0	1.19	29.4	83.9
Dow AgroSciences	PHY 499 WRF	1925.6	43.9	4.7	1.15	29.9	83.9
Dow AgroSciences	PHY 375 WRF	1923.5	43.4	4.4	1.16	30.1	83.2
Bayer CropScience	FM 1944 GLB2	1881.1	39.9	4.2	1.18	31.6	83.4
Bayer CropScience	ST 4747 GLB2	1879.2	41.4	4.2	1.17	29.3	81.9
Dow AgroSciences	PHY 333 WRF	1807.0	40.1	4.1	1.16	29.2	82.4
Monsanto	DP 1133 B2RF	1775.9	43.0	4.6	1.15	29.6	84.0
Dow AgroSciences	PHY 339 WRF	1699.3	41.7	4.0	1.17	28.1	83.3
Monsanto	DP 1028 B2RF	1556.5	43.2	4.7	1.14	27.5	83.2
	Mean	1878.7	42.6	4.4	1.16	29.6	83.4

Table 10: Yield, fiber quality, & performance of varieties in the Southampton Co. #1 2014 Onfarm trial

Seed Company	Variety	Lint Yield	Lint	Fiber Properties				
		lb/A	%	Mic.	Len. (in.)	Str. (g/tex)	Uni. (%)	
Bayer CropScience	ST 4946 GLB2	2073.9	43.2	4.4	1.18	29.2	84.9	
Bayer CropScience	ST 4747 GLB2	2060.8	45.0	4.1	1.20	29.8	83.9	
Dow AgroSciences	PHY 499 WRF	2051.3	46.2	4.6	1.17	29.9	84.8	
Dow AgroSciences	PHY 333 WRF	2047.0	45.5	4.2	1.18	29.2	84.8	
Monsanto	DP 1133 B2RF	2033.7	46.4	4.6	1.17	29.0	84.7	
Monsanto	DP 12R224 B2R2	2000.1	45.2	4.1	1.20	29.0	84.6	
Dow AgroSciences	PHY 375 WRF	1981.7	44.1	4.2	1.12	28.3	83.7	
Americot/NexGen	NG 1511 B2RF	1950.0	45.3	4.8	1.15	29.1	84.2	
Bayer CropScience	FM 1955 GLB2	1941.6	41.9	4.0	1.20	31.2	83.9	
Monsanto	DP 1028 B2RF	1919.7	45.5	4.6	1.15	28.1	84.3	
Monsanto	DP 1321 B2RF	1915.5	45.5	4.7	1.14	28.4	84.5	
Dow AgroSciences	PHY 339 WRF	1894.5	44.0	4.1	1.18	28.3	83.9	
	Mean	1989.2	44.8	4.4	1.17	29.1	84.4	

Table 11: Yield, fiber quality, & performance of varieties in the Southampton Co. #2 2014 Onfarm trial

Seed Company	Variety	Lint Yield	Lint		Fiber Properties		
		lb/A	%	Mic.	Len. (in.)	Str. (g/tex)	Uni. (%)
Dow AgroSciences	PHY 333 WRF	1798.0	45.0	4.1	1.16	30.3	83.7
Bayer CropScience	ST 4946 GLB2	1722.0	43.2	4.4	1.17	31.8	84.5
Dow AgroSciences	PHY 499 WRF	1695.9	45.5	4.2	1.15	30.7	83.8
Bayer CropScience	ST 4747 GLB2	1654.3	44.3	4.0	1.17	30.8	83.4
Dow AgroSciences	PHY 339 WRF	1623.8	43.7	3.5	1.20	29.8	85.0
Americot/NexGen	NG 1511 B2RF	1622.4	45.4	4.3	1.14	29.4	84.1
Monsanto	DP 1133 B2RF	1535.3	44.7	4.2	1.15	29.8	85.0
Monsanto	DP 1321 B2RF	1494.9	44.6	4.0	1.16	30.8	84.7
Bayer CropScience	FM 1944 GLB2	1468.4	41.0	4.4	1.12	30.5	83.1
	Mean	1623.9	44.2	4.1	1.16	30.4	84.2

Table 12: Yield, fiber quality, & performance of varieties in the Surry Co. 2014 On-farm trial

Seed Company	Variety	Lint Yield	Lint	Fiber Properties			
		lb/A	%	Mic.	Len. (in.)	Str. (g/tex)	Uni. (%)
Monsanto	DP 1133 B2RF	1278.6	44.3	4.1	1.15	31.2	84.3
Monsanto	DP 1028 B2RF	1228.7	44.6	4.3	1.14	30.0	83.7
Bayer CropScience	FM 1944 GLB2	1211.0	42.5	3.6	1.19	33.6	83.4
Bayer CropScience	ST 4747 GLB2	1184.0	42.3	3.4	1.15	29.6	80.5
Americot/NexGen	NG 1511 B2RF	1180.8	42.7	3.9	1.14	31.1	83.7
Dow AgroSciences	PHY 499 WRF	1147.9	44.6	4.0	1.15	30.9	84.1
Monsanto	DP 1321 B2RF	1124.6	43.4	3.5	1.16	30.6	84.3
Bayer CropScience	ST 4946 GLB2	1100.5	43.0	3.8	1.14	31.9	83.1
Dow AgroSciences	PHY 339 WRF	1046.8	43.2	3.5	1.16	30.9	83.0
Dow AgroSciences	PHY 333 WRF	1044.6	43.2	3.7	1.16	31.9	83.4
Dow AgroSciences	PHY 375 WRF	1008.6	42.8	3.4	1.14	30.2	82.5
Monsanto	DP 12R224 B2R2	929.7	42.8	3.4	1.18	30.8	83.8
	Mean	1123.8	43.3	3.7	1.15	31.1	83.3

Table 13: Yield, fiber quality, & performance of varieties in the Greensville Co.* 2014 On-farm trial

Seed Company	Variety	Lint Yield	Lint	Fiber Properties			
		lb/A	%	Mic.	Len. (in.)	Str. (g/tex)	Uni. (%)
D O O-'	OT 40 40 OL DO	0040.0	47.0	4 7	, ,		
Bayer CropScience	ST 4946 GLB2	2210.9	47.2	4.7	1.19	30.6	85.1
Bayer CropScience	ST 4747 GLB2	2128.3	47.6	4.4	1.22	31.0	84.8
Dow Agro Science	PHY 499 WRF	2028.8	49.5	4.5	1.18	30.4	86.0
Dow Agro Science	PHY 333 WRF	2009.0	48.2	4.3	1.19	28.7	86.0
Dow Agro Science	PHY 375 WRF	2005.4	48.0	4.2	1.13	27.0	84.1
Monsanto	DP 1133 B2RF	1969.7	47.7	4.3	1.18	31.5	84.2
Dow Agro Science	PHY 339 WRF	1874.8	47.0	4.4	1.22	27.6	84.6
Monsanto	DP 1028 B2RF	1837.9	48.2	4.5	1.15	26.5	85.1
Monsanto	DP 1321 B2RF	1751.0	48.3	4.3	1.15	29.3	85.7
Monsanto	DP 12R224 B2R2	1698.3	46.6	3.7	1.16	26.8	84.4
Americot/NexGen	NG 1511 B2RF	1681.9	49.8	4.6	1.13	30.9	84.9
Bayer CropScience	FM 1944 GLB2	1599.8	45.1	3.6	1.19	29.0	83.3
***************************************	Mean	1899.7	47.8	4.3	1.17	29.1	84.9

^{*}Varieties were replicated one time at this location.

Weather Charts

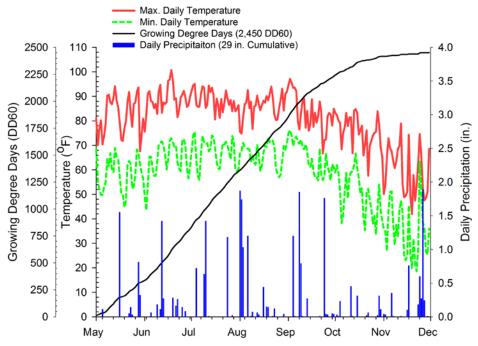


Fig. 1: Weather data for Suffolk, VA for 2014 growing season

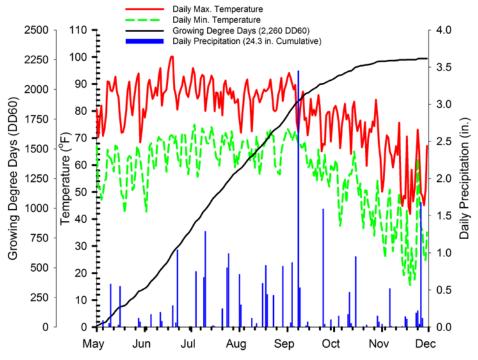


Fig. 2: Weather data for Southampton Co., VA for 2014 growing season