2024 Cotton Variety Testing and On-Farm Results

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Brian and Adam Darden, Southampton County
Michael Ellis, City of Suffolk
Clay and Jameson Lowe, Surry County
Bob Rogers, Sussex County
Jared Webb, Sussex County

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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 four non-irrigated locations during 2024. All locations were planted using a 2-row Seed Research Equipment Solutions Classic Aire planter. All locations were harvested using a 4-row commercial cotton picker modified to simultaneously collect two 2-row cotton plots in an automatic weigh system fitted with two electronic scales. The 2024 OVT received 40 entries from five seed companies. Each company was charged an entry fee for each hybrid per location entered.

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 potential, 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.

To standardize absolute yields so comparisons 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:

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

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 and is equal to 100%.

Variety Selection

Selecting the appropriate variety for a 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.

Lint Quality Discounts

Lint quality discounts are based on the 2024 USDA discount table and calculated using the Cotton Incorporated 2024 Loan Calculator for upland cotton. These values do not reflect actual discounts given during the Fall of 2024. Premiums and discounts are reported in points per pound.

2024 Agronomic Inputs for Locations

(Rates on a per acre basis)

Suffolk, VA - Tidewater AREC Location OVT Trial

Planted: May 3, 2024

Harvested: Oct 31, 2024

Seeding Rate: 46,464 seeds/acre

Fertilizer:
310 lb. of Potash (10-20-20) on May 1, 2024
90 lb. N ac^{-1} as 24-0-0-3 at side dress on Jun. 27, 2024
10 lb. S ac^{-1} as 24-0-0-3 at side dress on Jun. 27, 2024

PGR:
2 fl. oz. Mepstar® 6X on Jul. 1, 2024
3 fl. oz. Mepstar® 6X on Jul. 17, 2024
3 fl. oz. Mepstar® 6X on Aug. 17, 2024

Herbicide:
1 qt. Cotoran 4L® and 1 pt. Acuman® on May 4, 2024
1 qt. Roundup® on May 23, 2024
2 oz. Staple® and 1 qt. Liberty® and Roundup® on Jun. 14, 2024
1.25 qt. Warrant® on Jun. 20, 2024
1 qt. Roundup® on Jun. 28, 2024
0.1 oz. Envoke®, 1.5 pt. Caparol 4L®, and 8 oz. Target 6 Plus® on Jul. 10, 2024

Insecticide:
8 oz. Orthene® 97 on May 23, 2024
6 oz. Belay® on Jul. 1, 2024
2 oz. Transform® and 8 oz. Diamond® on Jul. 16, 2024
6 oz. Bidrin 8® and 10 oz. Besiege® on Jul. 29, 2024
10 oz. Besiege® on Aug. 23, 2024

Harvest Aid: 1 qt. Finish 6 Pro®, 16 fl. oz. Setup®, 6 oz. DEF 6®, and 3 oz. Dropp® on Oct. 10, 2024

Plot Size: 2 rows – (6’ x 35’) 4 replications

Soil Type Nansemond fine sandy loam

Cooperator: Karl Jones

Southampton Co., VA - Darden Farm OVT Trial

Planted: May 30, 2024

Harvested: Nov. 13, 2024

Population: 46,464 seeds/acre

Fertilizer: 30 lb. N ac^{-1}, 40 lb. P_2O_5 ac^{-1}, and 10 lb. S ac^{-1} in UAN32, 11-37-0, and 12-0-0-26S Blend in 2x2 band on May 24, 2023
90 lbs. N per acre 24-0-0-3S at 1st square growth stage on July 15, 2024
2 qts. 10% Boron at 1st square growth stage applied with nitrogen

PGR: 50 fl. oz. total for entire season of a 4.2% mepiquat chloride formulation

Herbicide: 32 fl. oz Roundup PowerMAX® III + 32 fl. oz 2,4-D formulation + 2 oz. Valor SX
32 fl. oz Roundup PowerMAX® III + 32 fl. oz Liberty + 12.8 fl. oz Outlook

Insecticide: 5.0 fl. oz. Radiant
6.4 fl oz. bifenthrin
12.0 oz. acephate

Harvest Aids: 43 fl. oz. Finish 6 Pro + 5.0 fl. oz. Ginstar

Plot Size: 2 rows – (6' x 35') 4 replications

Soil Type Uchee, Slagle and Emporia

Cooperator: Brian and Adam Darden

Sussex Co., VA - Rogers Farm OVT Trial

Planted: May 28, 2024

Harvested: Nov 6, 2024

Population: 46,464 seeds/acre

Fertilizer: Variable rate Lime (zone 1: 0 lb. Lime ac^{-1}, zone 2: 1435 lb. Lime ac^{-1}) on Feb. 28, 2024
Variable rate Potash (zone 1: 62 lb. K ac^{-1}, zone 2: 98 lb. K ac^{-1}) on Apr. 13, 2024
Variable rate MAP (zone 1: 0 lb. P ac^{-1} (11-52-0), zone 2: 120 lb. P ac^{-1} (11-52-0)) on Apr. 17, 2024
120 lb. N ac^{-1} as 24-0-0-3 at side dress on July 16, 2024

PGR: 2.85 fl. oz. Mepex 6x® on Jul .31, 2024
3 fl. oz. Mepex 6x® on Aug. 13, 2024

Herbicide: 32 fl. oz. Roundup PowerMAX® 3, 16 fl.oz. Barrage® HF, 16 fl. oz. Hel-fire ® (adjuvant) on Apr. 8, 2024
32 fl. oz. Roundup PowerMAX® 3 on Jun. 1, 2024
30 fl. oz. Liberty®, 5 fl. oz. ReQUEST® (water conditioning agent and $(NH_4)_2SO_4$ replacement), and 5 fl. oz. Dynamic® on Jul. 4, 2024

Insecticide: 8 oz. Acephate on May 24, 2024
8 oz. Acephate on Jun. 1, 2024
8 oz. Acephate and 6.4 oz. Bifenthrin® on Jul. 31, 2024
8 oz. Acephate and 6.4 oz. Bifenthrin® on Aug. 13, 2024

Harvest Aids: 45 fl. oz. Prep®, 12 fl. oz. Folex®, and 3.8 fl. oz. Dropp® on Oct. 13, 2024

Plot Size: 2 rows – (6’ x 35’) 4 replications

Soil Type Slagle, and Emporia + Slagle

Cooperator: Bob Rogers

Isle of Wight Co., VA - Butler Farm OVT Trial

Planted:	May 13, 2024
Harvested:	Nov. 1, 2024
Population:	46,464 seeds/acre
Fertilizer:	373 lb./acre 9-12-29 preplant 30 gal of 24-0-0-3S on Jun. 15, 2024 4 fl. oz. of Boron on Jul. 16, 2024 4 fl. oz. of Boron on Jul. 30, 2024
PGR:	6 fl. oz. Mepex® 6 on Jul. 16, 2024 2.66 fl. oz. Mepex® 6 on Jul. 30, 2024
Herbicide:	1 qt. Roundup® and 12 fl. oz. Dicamba on Apr. 9, 2024 1 qt. Ignite® and 1 qt. Roundup® on May 31, 2024 1 pt. Roundup® on Jun. 30, 2024
Insecticide:	6 fl. oz. Acephate 97® on May 31, 2024 8 fl. oz. Diamond®, 8 oz. Acephate 97® on Jul. 16, 2024 6.4 fl. oz. Battlion®, 5 oz. Acephate 97® on Jul. 30, 2024
Harvest Aids:	1.6 qts. Setup 6®, 8 fl. oz. Def® and 4.2 fl. oz. Clean Pick on Oct. 13, 2024
Plot Size:	2 rows – (6’ x 35’) 4 replications
Soil Type	Slagle and Yemassee
Cooperators:	Thomas and Greg Butler

On-Farm Variety Trials

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

County	Cooperator(s)	Planting Date	Harvest Date
Isle of Wight (IOW)	Thomas and Greg Butler	5/13/24	10/25/24
Suffolk (SUFF)	Mike Ellis	5/13/24	11/25/24
Southampton #1 (SHC 1)	Brian and Adam Darden	5/22/24	12/12/24
Surry (SUR)	Clay and Jameson Lowe	5/29/24	11/19/24
Sussex (SUX)	Jared Webb	5/21/24	11/1/24

Agronomic Yield Data for 2024 OVT

Table 2: Average lint yield, turnout, and relative yield for varieties entered at all locations in the 2024 Official Variety Testing (OVT) Program

Entry #	Variety**	Company	Average Across Locations		
			Lint Yield (lb/ac)	Lint Percent (%)	Relative Yield
36	PX 1140F331-04 W3FE†	Corteva Agriscience	1,948	44.7	0.966
40	PX 1140F329-04 W3FE†	Corteva Agriscience	1,926	44.9	0.954
19	NG 3195 B3XF	Americot	1,886	44.8	0.938
4	DP 2414 B3TXF	Bayer CropScience	1,857	45.8	0.924
24	AMX 12526 B3XF†	Americot	1,859	46.7	0.920
37	PX 1140F330-04 W3FE†	Corteva Agriscience	1,840	44.7	0.913
39	PX 1150F361-04 W3FE†	Corteva Agriscience	1,827	43.4	0.905
2	DP 2127 B3XF	Bayer CropScience	1,826	44.8	0.904
10	23R8029 B3XF†	Bayer CropScience	1,820	45.3	0.898
11	23R9143 B3TXF†	Bayer CropScience	1,801	46.2	0.895
1	DP 2115 B3XF	Bayer CropScience	1,799	45.7	0.894
32	PHY 415 W3FE	Corteva Agriscience	1,798	43.7	0.891
26	NG 4190 B3XF	Americot	1,792	43.8	0.886
3	DP 2211 B3TXF	Bayer CropScience	1,775	44.9	0.884
38	PX 1150F360-04 W3FE†	Corteva Agriscience	1,785	43.0	0.884
7	DP 2333 B3XF	Bayer CropScience	1,786	45.2	0.883
41	PX 1130F309-04 W3FE†	Corteva Agriscience	1,759	44.5	0.872
20	NG 4414 B3XF	Americot	1,741	43.3	0.865
23	AMX 12572 B3TXF†	Americot	1,733	47.0	0.858
42	PX 1150F357-04 W3FE†	Corteva Agriscience	1,711	44.5	0.846
46	DG 4434 B3TXF	Nutrien Ag Solutions	1,699	45.4	0.842
29	PHY 360 W3FE	Corteva Agriscience	1,671	44.6	0.828
33	PHY 443 W3FE	Corteva Agriscience	1,665	43.4	0.828
31	PHY 411 W3FE	Corteva Agriscience	1,650	45.0	0.819
14	ST 4833 AXTP*	BASF	1,653	42.5	0.818
9	23R9822 B3TXF†	Bayer CropScience	1,631	44.8	0.815
30	PHY 400 W3FE	Corteva Agriscience	1,643	44.8	0.815
43	DG 3519 B3XF	Nutrien Ag Solutions	1,636	44.5	0.813
28	PHY 332 W3FE	Corteva Agriscience	1,638	44.1	0.810
5	DP 2328 B3TXF	Bayer CropScience	1,627	45.5	0.805
25	AMX 12502 B3TXF†	Americot	1,619	42.5	0.798
22	AMX 12507 B3TXF†	Americot	1,601	41.9	0.794
8	23R9918 B3TXF†	Bayer CropScience	1,586	46.5	0.786
44	DG 3528 B3XF	Nutrien Ag Solutions	1,583	44.1	0.782
12	ST 6000 AXTP	BASF	1,580	46.7	0.781
27	NG 4409 B3XF	Americot	1,573	43.6	0.777
15	ST 5855 AXTP*	BASF	1,569	47.4	0.776

45	DG 4530 B3TXF	Nutrien Ag Solutions	1,551	45.2	0.766
6	DP 2317 B3TXF	Bayer CropScience	1,545	43.0	0.764
35	PHY 545 W3FE	Corteva Agriscience	1,545	44.9	0.761
34	PHY 475 W3FE	Corteva Agriscience	1,489	42.1	0.737
18	ST 4215 AXTP*	BASF	1,490	43.0	0.736
21	NG 3457 B3XF	Americot	1,478	43.0	0.733
16	BX 2556 AXTP†	BASF	1,420	42.8	0.700
13	ST 5931 AXTP*	BASF	1,389	43.2	0.685
17	BX 2557 AXTP†	BASF	1,390	45.7	0.682
	Average		1,678	44.5	0.832

* New release in 2025 (Variety was tested as an experimental in 2024)

† Indicates the variety is an experimental line and not available commercially.

**PHY = PhytoGen, Corteva Agriscience; DP = DeltaPine, Bayer Crop Science; NG = NexGen, Americot/NexGen; ST = Stoneville, BASF

Table 3: Two-year (2023-2024) relative yield averages for varieties tested each year

Variety	Two-Year Average Relative Yield
DP 2127 B3XF	0.921
PHY 415 W3FE	0.906
DP 2115 B3XF	0.904
DP 2333 B3XF	0.895
NG 3195 B3XF	0.894
DP 2211 B3TXF	0.893
PHY 400 W3FE	0.893
PHY 360 W3FE	0.890
PHY 411 W3FE	0.890
NG 4190 B3XF	0.881
DG 3519 B3XF	0.874
PHY 332 W3FE	0.859
PHY 443 W3FE	0.858
DP 2328 B3TXF	0.843
DG 3528 B3XF	0.836
Average	**0.882**
Tukey's HSD (P=0.1)	0.105

Table 4: Three-year (2022-2024) relative yield averages for varieties tested each year

Variety	Three-Year Average Relative Yield
PHY 400 W3FE	0.899
DP 2115 B3XF	0.897
NG 3195 B3XF	0.896
PHY 411 W3FE	0.889
DP 2127 B3XF	0.888
PHY 415 W3FE	0.885
PHY 360 W3FE	0.872
PHY 332 W3FE	0.864
DG 3519 B3XF	0.863
PHY 443 W3FE	0.860
Average	**0.881**
Tukey's HSD (P=0.1)	0.073

Table 5: Average and individual location lint yields, lint percent and location ranking for all varieties tested in the five 2024 On-Farm Cotton Variety Tests.

Variety	Isle Of Wight			Southampton			Surry			Sussex			Suffolk			Average Across Locations		
	Lint Yield (lb/ac)	Lint Percent (%)	Rank	Lint Yield (lb/ac)	Lint Percent (%)	Rank	Lint Yield (lb/ac)	Lint Percent (%)	Rank	Lint Yield (lb/ac)	Lint Percent (%)	Rank	Lint Yield (lb/ac)	Lint Percent (%)	Rank	**Lint Yield (lb/ac)**	**Lint Percent (%)**	**Rank**
DP 2115 B3XF	1,577	47.2	4	1,629	45.6	1	1,358	49.0	1	1,317	48.3	3	1,270	45.7	6	**1,430 a***	**47.1 bc**	**3.0**
DP2328 B3TXF	1,459	47.9	9	1,488	45.8	4	1,171	46.2	8	1,117	46.8	12	1,322	48.3	3	**1,312 abc**	**47.0 bc**	**7.2**
DP 2317 B3TXF	1,415	45.5	12	1,429	42.9	6	1,168	43.6	9	1,125	43.2	11	1,157	43.7	12	**1,259 bc**	**43.8 e**	**10.0**
DP 2333 B3XF	1,645	48.5	2	1,579	45.8	2	1,183	45.9	7	1,240	47.1	8	1,386	47.8	1	**1,407 ab**	**47.0 bc**	**4.0**
ST 6000 AXTP	1,534	51.1	5	1,290	47.9	11	1,162	49.7	10	1,257	49.6	6	1,249	49.8	8	**1,298 abc**	**49.6 a**	**8.0**
NG 3195 B3XF	1,724	46.8	1	1,519	45.9	3	1,281	45.8	3	1,320	44.7	2	1,382	46.1	2	**1,445 a**	**45.9 cd**	**2.2**
NG 4414 B3XF	1,519	46.9	6	1,330	43.2	10	1,228	46.1	5	1,215	44.9	9	1,202	46.0	10	**1,299 abc**	**45.4 d**	**8.0**
PHY 360 W3FE	1,462	47.0	8	1,428	44.8	7	1,204	45.6	6	1,205	45.6	10	1,216	46.4	9	**1,303 abc**	**45.9 cd**	**8.0**
PHY 411 W3FE	1,435	49.5	11	1,428	45.6	8	1,262	48.4	4	1,247	46.9	7	1,268	47.7	7	**1,328 abc**	**47.6 b**	**7.4**
PHY 415 W3FE	1,612	48.4	3	1,483	45.8	5	1,306	46.8	2	1,262	45.3	5	1,305	46.7	4	**1,394 ab**	**46.6 bcd**	**3.8**
DG 3511 B3XF	1,443	47.1	10	1,125	44.5	12	995	46.4	11	1,300	46.9	4	1,202	47.3	11	**1,213 c**	**46.4 bcd**	**9.6**
DG 3528 B3XF	1,516	46.8	7	1,357	43.9	9	947	45.4	12	1,334	45.4	1	1,299	46.9	5	**1,291 abc**	**45.7 cd**	**6.8**

*** Means with the same letter are not significantly different at alpha = 0.1.**

Table 6: Lint yield, turnout, and relative yields for varieties entered at the Tidewater AREC (Suffolk, VA) in the 2024 Official Variety Testing (OVT) Program

Entry #	Variety	Company	TAREC		
			Lint Yield (lb/ac)	Lint Percent (%)	Relative Yield
1	DP 2115 B3XF	Bayer CropScience	1,670	45.3	0.852
2	DP 2127 B3XF	Bayer CropScience	1,721	45.2	0.878
3	DP 2211 B3TXF	Bayer CropScience	1,902	44.6	0.970
4	DP 2414 B3TXF	Bayer CropScience	1,856	46.1	0.946
5	DP 2328 B3TXF	Bayer CropScience	1,687	45.3	0.861
6	DP 2317 B3TXF	Bayer CropScience	1,460	43.4	0.745
7	DP 2333 B3XF	Bayer CropScience	1,743	44.2	0.889
8	23R9918 B3TXF†	Bayer CropScience	1,725	47.3	0.880
9	23R9822 B3TXF†	Bayer CropScience	1,771	47.4	0.903
10	23R8029 B3XF†	Bayer CropScience	1,687	44.8	0.860
11	23R9143 B3TXF†	Bayer CropScience	1,777	46.9	0.906
12	ST 6000 AXTP	BASF	1,588	47.3	0.810
13	ST 5931 AXTP*	BASF	1,412	43.1	0.720
14	ST 4833 AXTP*	BASF	1,661	41.9	0.847
15	ST 5855 AXTP*	BASF	1,472	46.9	0.751
16	BX 2556 AXTP	BASF	1,359	43.7	0.693
17	BX 2557 AXTP	BASF	1,160	45.1	0.592
18	ST 4215 AXTP*	BASF	1,339	42.9	0.683
19	NG 3195 B3XF	Americot	1,962	44.9	1.000
20	NG 4414 B3XF	Americot	1,409	42.4	0.718
21	NG 3457 B3XF	Americot	1,432	43.1	0.730
22	AMX 12507 B3TXF†	Americot	1,708	42.7	0.871
23	AMX 12572 B3TXF†	Americot	1,745	48.5	0.890
24	AMX 12526 B3XF†	Americot	1,555	46.5	0.793
25	AMX 12502 B3TXF†	Americot	1,500	42.2	0.765
26	NG 4190 B3XF	Americot	1,765	44.5	0.900
27	NG 4409 B3XF	Americot	1,446	43.1	0.737
28	PHY 332 W3FE	Corteva Agriscience	1,628	43.0	0.830
29	PHY 360 W3FE	Corteva Agriscience	1,603	44.9	0.817
30	PHY 400 W3FE	Corteva Agriscience	1,490	45.3	0.760
31	PHY 411 W3FE	Corteva Agriscience	1,652	44.8	0.842
32	PHY 415 W3FE	Corteva Agriscience	1,560	43.4	0.796
33	PHY 443 W3FE	Corteva Agriscience	1,593	44.4	0.812
34	PHY 475 W3FE	Corteva Agriscience	1,450	43.1	0.739
35	PHY 545 W3FE	Corteva Agriscience	1,453	46.6	0.741
36	PX1140F331-04 W3FE†	Corteva Agriscience	1,858	44.2	0.948
37	PX1140F330-04 W3FE†	Corteva Agriscience	1,634	44.2	0.833

38	PX1150F360-04 W3FE†	Corteva Agriscience	1,789	43.1	0.912
39	PX1150F361-04 W3FE†	Corteva Agriscience	1,641	43.1	0.837
40	PX1140F329-04 W3FE†	Corteva Agriscience	1,713	44.5	0.873
41	PX1130F309-04 W3FE†	Corteva Agriscience	1,581	45.0	0.806
42	PX1150F357-04 W3FE†	Corteva Agriscience	1,669	44.6	0.851
43	DG 3519 B3XF	Nutrien Ag Solutions	1,522	43.9	0.776
44	DG 3528 B3XF	Nutrien Ag Solutions	1,570	44.8	0.801
45	DG 4530 B3TXF	Nutrien Ag Solutions	1,761	46.1	0.898
46	DG 4434 B3TXF	Nutrien Ag Solutions	1,873	45.6	0.955
47	DP 2012 B3XF¶	Bayer CropScience	1,587	41.3	0.809
48	NG 4936 B3XF¶	Americot	1,496	40.6	0.763
49	ARMOR 9371 B3XF¶	Land O' Lakes	1,884	44.5	0.961
50	DP 2239 B3XF¶	Bayer CropScience	1,811	44.1	0.924
51	FM 2498 GLT¶	BASF	1,420	44.4	0.724
52	ST 5091 B3XF¶	BASF	1,612	45.1	0.822
	Tukey's HSD (P= 0.1)		410	2.98	-
	Coefficient of Variation		5.02	2.1	-
	Average		1,622	44.5	0.827

¶ Varieties were entered as part of the National Cotton Variety Testing Program
* New release in 2025 (Variety was tested as an experimental in 2024)
† Indicates the variety is an experimental line and not available commercially.

Table 7: Lint yield, turnout, and relative yields for varieties entered at the Isle of Wight, VA location in the 2024 Official Variety Testing (OVT) Program

Entry #	Variety	Company	Isle of Wight		
			Lint Yield (lb/ac)	Lint Percent (%)	Relative Yield
1	DP 2115 B3XF	Bayer CropScience	1,833	47.4	0.917
2	DP 2127 B3XF	Bayer CropScience	1,998	46.6	1.000
3	DP 2211 B3TXF	Bayer CropScience	1,764	46.2	0.883
4	DP 2414 B3TXF	Bayer CropScience	1,896	46.7	0.949
5	DP 2328 B3TXF	Bayer CropScience	1,743	47.0	0.872
6	DP 2317 B3TXF	Bayer CropScience	1,576	45.3	0.789
7	DP 2333 B3XF	Bayer CropScience	1,810	46.3	0.906
8	23R9918 B3TXF†	Bayer CropScience	1,502	47.5	0.752
9	23R9822 B3TXF†	Bayer CropScience	1,543	47.1	0.772
10	23R8029 B3XF†	Bayer CropScience	1,922	47.1	0.962
11	23R9143 B3TXF†	Bayer CropScience	1,838	47.4	0.920
12	ST 6000 AXTP	BASF	1,470	47.1	0.736
13	ST 5931 AXTP*	BASF	1,599	44.8	0.800
14	ST 4833 AXTP*	BASF	1,712	45.3	0.857
15	ST 5855 AXTP*	BASF	1,533	49.0	0.767
16	BX 2556 AXTP†	BASF	1,419	44.2	0.710
17	BX 2557 AXTP†	BASF	1,535	46.8	0.768
18	ST 4215 AXTP*	BASF	1,751	45.0	0.876
19	NG 3195 B3XF	Americot	1,791	46.7	0.896
20	NG 4414 B3XF	Americot	1,852	45.4	0.927
21	NG 3457 B3XF	Americot	1,696	45.1	0.849
22	AMX 12507 B3TXF†	Americot	1,652	43.8	0.827
23	AMX 12572 B3TXF†	Americot	1,605	47.7	0.803
24	AMX 12526 B3XF†	Americot	1,987	47.6	0.994
25	AMX 12502 B3TXF†	Americot	1,544	44.5	0.773
26	NG 4190 B3XF	Americot	1,837	45.6	0.920
27	NG 4409 B3XF	Americot	1,555	46.0	0.778
28	PHY 332 W3FE	Corteva Agriscience	1,561	45.1	0.781
29	PHY 360 W3FE	Corteva Agriscience	1,608	47.1	0.805
30	PHY 400 W3FE	Corteva Agriscience	1,759	46.2	0.880
31	PHY 411 W3FE	Corteva Agriscience	1,672	46.9	0.837
32	PHY 415 W3FE	Corteva Agriscience	1,789	45.0	0.895
33	PHY 443 W3FE	Corteva Agriscience	1,683	45.0	0.842
34	PHY 475 W3FE	Corteva Agriscience	1,581	44.8	0.791
35	PHY 545 W3FE	Corteva Agriscience	1,691	46.7	0.846
36	PX 1140F331-04 W3FE†	Corteva Agriscience	1,979	45.7	0.990
37	PX 1140F330-04 W3FE†	Corteva Agriscience	1,831	47.1	0.917
38	PX 1150F360-04 W3FE†	Corteva Agriscience	1,819	44.5	0.911
39	PX 1150F361-04 W3FE†	Corteva Agriscience	1,880	44.8	0.941

40	PX 1140F329-04 W3FE†	Corteva Agriscience	1,886	45.9	0.944
41	PX 1130F309-04 W3FE†	Corteva Agriscience	1,702	45.0	0.852
42	PX 1150F357-04 W3FE†	Corteva Agriscience	1,652	46.1	0.827
43	DG 3519 B3XF	Nutrien Ag Solutions	1,868	47.6	0.935
44	DG 3528 B3XF	Nutrien Ag Solutions	1,723	46.0	0.862
45	DG 4530 B3TXF	Nutrien Ag Solutions	1,552	46.8	0.777
46	DG 4434 B3TXF	Nutrien Ag Solutions	1,705	47.5	0.853
	Tukey's HSD (P= 0.1)		428	4.3	-
	Coefficient of Variation		9.17	3.45	-
	Average		1,715	46.2	0.859

***** New release in 2025 (Variety was tested as an experimental in 2024)

† Indicates the variety is an experimental line and not available commercially.

Table 8: Lint yield, turnout, and relative yields for varieties entered at the Southampton County, VA location in the 2024 Official Variety Testing (OVT) Program

Entry #	Variety	Company	Southampton		
			Lint Yield (lb/ac)	Lint Percent (%)	Relative Yield
1	DP 2115 B3XF	Bayer CropScience	1,755	42.8	0.940
2	DP 2127 B3XF	Bayer CropScience	1,528	41.7	0.819
3	DP 2211 B3TXF	Bayer CropScience	1,681	42.7	0.901
4	DP 2414 B3TXF	Bayer CropScience	1,767	43.8	0.947
5	DP 2328 B3TXF	Bayer CropScience	1,290	41.9	0.691
6	DP 2317 B3TXF	Bayer CropScience	1,341	39.1	0.719
7	DP 2333 B3XF	Bayer CropScience	1,507	42.7	0.808
8	23R9918 B3TXF†	Bayer CropScience	1,365	43.1	0.732
9	23R9822 B3TXF†	Bayer CropScience	1,692	42.3	0.907
10	23R8029 B3XF†	Bayer CropScience	1,459	42.5	0.782
11	23R9143 B3TXF†	Bayer CropScience	1,712	43.1	0.918
12	ST 6000 AXTP	BASF	1,351	44.4	0.724
13	ST 5931 AXTP*	BASF	942	40.2	0.505
14	ST 4833 AXTP*	BASF	1,391	39.3	0.745
15	ST 5855 AXTP*	BASF	1,397	44.9	0.748
16	BX 2556 AXTP†	BASF	1,135	39.4	0.608
17	BX 2557 AXTP†	BASF	980	43.6	0.525
18	ST 4215 AXTP*	BASF	1,169	39.1	0.627
19	NG 3195 B3XF	Americot	1,841	42.2	0.987
20	NG 4414 B3XF	Americot	1,806	41.5	0.968
21	NG 3457 B3XF	Americot	1,226	40.1	0.657
22	AMX 12507 B3TXF†	Americot	1,329	38.7	0.712
23	AMX 12572 B3TXF†	Americot	1,566	44.4	0.839
24	AMX 12526 B3XF†	Americot	1,692	45.4	0.907
25	AMX 12502 B3TXF†	Americot	1,365	39.8	0.732
26	NG 4190 B3XF	Americot	1,463	41.0	0.784
27	NG 4409 B3XF	Americot	1,394	41.2	0.747
28	PHY 332 W3FE	Corteva Agriscience	1,418	40.1	0.760
29	PHY 360 W3FE	Corteva Agriscience	1,573	42.1	0.843
30	PHY 400 W3FE	Corteva Agriscience	1,535	42.9	0.822
31	PHY 411 W3FE	Corteva Agriscience	1,493	42.7	0.800
32	PHY 415 W3FE	Corteva Agriscience	1,747	41.6	0.936
33	PHY 443 W3FE	Corteva Agriscience	1,615	40.7	0.866
34	PHY 475 W3FE	Corteva Agriscience	1,260	38.5	0.675
35	PHY 545 W3FE	Corteva Agriscience	1,115	41.6	0.597
36	PX 1140F331-04 W3FE†	Corteva Agriscience	1,779	42.7	0.953
37	PX 1140F330-04 W3FE†	Corteva Agriscience	1,843	42.1	0.988
38	PX 1150F360-04 W3FE†	Corteva Agriscience	1,519	40.6	0.814
39	PX 1150F361-04 W3FE†	Corteva Agriscience	1,697	41.1	0.909
40	PX 1140F329-04 W3FE†	Corteva Agriscience	1,866	43.2	1.000

41	PX 1130F309-04 W3FE†	Corteva Agriscience	1,710	43.1	0.916
42	PX 1150F357-04 W3FE†	Corteva Agriscience	1,478	42.4	0.792
43	DG 3519 B3XF	Nutrien Ag Solutions	1,502	42.1	0.805
44	DG 3528 B3XF	Nutrien Ag Solutions	1,189	41.1	0.637
45	DG 4530 B3TXF	Nutrien Ag Solutions	1,082	42.1	0.580
46	DG 4434 B3TXF	Nutrien Ag Solutions	1,390	41.9	0.745
	Tukey's HSD (P= 0.1)		573	1.98	-
	Coefficient of Variation		14.36	1.76	-
	Average		1,477	41.8	0.792

***** New release in 2025 (Variety was tested as an experimental in 2024)

† Indicates the variety is an experimental line and not available commercially.

Table 9: Lint yield, turnout, and relative yields for varieties entered at the Sussex County, VA location in the 2024 Official Variety Testing (OVT) Program

Entry #	Variety	Company	Sussex		
			Lint Yield (lb/ac)	Lint Percent (%)	Relative Yield
1	DP 2115 B3XF	Bayer CropScience	1,938	47.4	0.865
2	DP 2127 B3XF	Bayer CropScience	2,059	45.8	0.919
3	DP 2211 B3TXF	Bayer CropScience	1,753	45.9	0.783
4	DP 2414 B3TXF	Bayer CropScience	1,909	46.6	0.852
5	DP 2328 B3TXF	Bayer CropScience	1,787	47.9	0.798
6	DP 2317 B3TXF	Bayer CropScience	1,804	44.0	0.805
7	DP 2333 B3XF	Bayer CropScience	2,085	47.7	0.931
8	23R9918 B3TXF†	Bayer CropScience	1,750	47.9	0.781
9	23R9822 B3TXF†	Bayer CropScience	1,520	42.4	0.678
10	23R8029 B3XF†	Bayer CropScience	2,213	46.9	0.988
11	23R9143 B3TXF†	Bayer CropScience	1,877	47.3	0.838
12	ST 6000 AXTP	BASF	1,911	47.9	0.853
13	ST 5931 AXTP*	BASF	1,603	44.7	0.716
14	ST 4833 AXTP*	BASF	1,847	43.4	0.824
15	ST 5855 AXTP*	BASF	1,874	48.9	0.837
16	BX 2556 AXTP†	BASF	1,766	43.8	0.789
17	BX 2557 AXTP†	BASF	1,887	47.4	0.842
18	ST 4215 AXTP*	BASF	1,701	44.9	0.759
19	NG 3195 B3XF	Americot	1,950	45.5	0.870
20	NG 4414 B3XF	Americot	1,897	43.9	0.847
21	NG 3457 B3XF	Americot	1,558	43.8	0.695
22	AMX 12507 B3TXF†	Americot	1,714	42.4	0.765
23	AMX 12572 B3TXF†	Americot	2,015	47.5	0.900
24	AMX 12526 B3XF†	Americot	2,204	47.2	0.984
25	AMX 12502 B3TXF†	Americot	2,068	43.5	0.923
26	NG 4190 B3XF	Americot	2,104	43.9	0.939
27	NG 4409 B3XF	Americot	1,897	43.9	0.847
28	PHY 332 W3FE	Corteva Agriscience	1,943	48.3	0.868
29	PHY 360 W3FE	Corteva Agriscience	1,900	44.3	0.848
30	PHY 400 W3FE	Corteva Agriscience	1,788	44.7	0.798
31	PHY 411 W3FE	Corteva Agriscience	1,784	45.4	0.796
32	PHY 415 W3FE	Corteva Agriscience	2,096	44.7	0.936
33	PHY 443 W3FE	Corteva Agriscience	1,770	43.4	0.790
34	PHY 475 W3FE	Corteva Agriscience	1,667	42.1	0.744
35	PHY 545 W3FE	Corteva Agriscience	1,923	44.8	0.859
36	PX 1140F331-04 W3FE†	Corteva Agriscience	2,179	46.1	0.973
37	PX 1140F330-04 W3FE†	Corteva Agriscience	2,050	45.3	0.915
38	PX 1150F360-04 W3FE†	Corteva Agriscience	2,011	43.9	0.898
39	PX 1150F361-04 W3FE†	Corteva Agriscience	2,092	44.5	0.934
40	PX 1140F329-04 W3FE†	Corteva Agriscience	2,240	45.9	1.000

41	PX 1130F309-04 W3FE†	Corteva Agriscience	2,042	44.9	0.911
42	PX 1150F357-04 W3FE†	Corteva Agriscience	2,044	45.0	0.913
43	DG 3519 B3XF	Nutrien Ag Solutions	1,650	44.5	0.737
44	DG 3528 B3XF	Nutrien Ag Solutions	1,851	44.3	0.826
45	DG 4530 B3TXF	Nutrien Ag Solutions	1,809	45.9	0.808
46	DG 4434 B3TXF	Nutrien Ag Solutions	1,827	46.4	0.816
	Tukey's HSD (P= 0.1)		681	4.23	-
	Coefficient of Variation		13.27	3.45	-
	Grand Mean		1,899	45.4	0.848

* New release in 2025 (Variety was tested as an experimental in 2024)

† Indicates the variety is an experimental line and not available commercially.

Lint Quality Data for 2024 OVT

Table 10: Lint quality and associated 2024 scheduled discounts for varieties at the Tidewater AREC OVT Location

Variety	Lint Quality Parameters (HVI Classification)							Premiums & Discounts					
	Color	Leaf	Mic	Length	Strength	Uniformity	Staple	Grade & Length	Strength	Mic.	Uniformity	Net Premium	Loan Value
				in.	g/tex	%	32nds					(points)	(cents/lb)
DP 2115 B3XF	21	1	4.9	1.18	30.1	85.0	38	520	20	0	20	560	57.60
DP 2127 B3XF	21	2	4.9	1.16	29.8	85.2	37	515	5	0	20	540	57.40
DP 2211 B3TXF	31	1	4.9	1.19	30.1	85.5	38	465	20	0	20	505	57.05
DP 2414 B3TXF	21	1	4.8	1.17	29.0	85.1	37	515	5	0	20	540	57.40
DP 2328 B3TXF	11	1	4.7	1.18	30.2	84.8	38	520	20	0	15	555	57.55
DP 2317 B3TXF	11	1	4.5	1.18	31.1	85.5	38	520	35	0	20	575	57.75
DP 2333 B3XF	21	1	4.5	1.19	30.2	84.9	38	520	20	0	15	555	57.55
23R9918 B3TXF†	21	1	4.8	1.15	29.9	84.5	37	515	5	0	15	535	57.35
23R9822 B3TXF†	21	1	4.7	1.14	27.5	84.2	37	515	0	0	15	530	57.30
23R8029 B3XF†	21	1	5.1	1.23	32.1	85.0	39	520	35	-250	20	325	55.25
23R9143 B3TXF†	21	1	5.1	1.14	29.5	85.0	37	515	5	-250	20	290	54.90
ST 6000 AXTP	21	1	4.4	1.21	31.3	85.7	39	520	35	0	20	575	57.75
ST 5931 AXTP*	21	1	4.3	1.22	31.2	85.2	39	520	35	0	20	575	57.75
ST 4833 AXTP*	21	1	4.5	1.22	30.7	85.7	39	520	20	0	20	560	57.60
ST 5855 AXTP*	21	2	4.5	1.20	31.8	85.1	38	520	35	0	20	575	57.75
BX 2556 AXTP	21	2	4.2	1.22	32.7	85.2	39	520	35	10	20	585	57.85
BX 2557 AXTP	21	1	4.5	1.25	34.0	85.9	40	520	45	0	20	585	57.85
ST 4215 AXTP*	21	2	4.5	1.25	32.4	85.0	40	520	35	0	20	575	57.75
NG 3195 B3XF	21	2	4.7	1.17	30.7	85.5	37	515	20	0	20	555	57.55
NG 4414 B3XF	21	2	4.4	1.23	29.2	85.5	39	520	5	0	20	545	57.45
NG 3457 B3XF	21	2	4.6	1.20	31.2	85.1	38	520	35	0	20	575	57.75
AMX 12507 B3TXF†	21	1	4.4	1.22	31.7	85.7	39	520	35	0	20	575	57.75
AMX 12572 B3TXF†	21	1	5.3	1.12	29.5	85.1	36	445	5	-400	20	70	52.70
AMX 12526 B3XF†	11	1	4.8	1.14	30.6	85.4	37	515	20	0	20	555	57.55

AMX 12502 B3TXF†	21	1	3.8	1.22	29.7	84.6	39	520	5	10	15	550	57.50
NG 4190 B3XF	31	2	4.6	1.20	30.8	85.8	38	465	20	0	20	505	57.05
NG 4409 B3XF	11	1	4.4	1.22	29.9	85.4	39	520	5	0	20	545	57.45
PHY 332 W3FE	21	1	4.6	1.20	33.0	85.1	38	520	45	0	20	585	57.85
PHY 360 W3FE	21	1	4.8	1.17	28.8	84.5	37	515	0	0	15	530	57.30
PHY 400 W3FE	21	1	4.5	1.21	32.2	85.1	39	520	35	0	20	575	57.75
PHY 411 W3FE	21	1	4.7	1.15	31.5	84.5	37	515	35	0	15	565	57.65
PHY 415 W3FE	21	2	4.5	1.21	32.9	85.0	39	520	35	0	20	575	57.75
PHY 443 W3FE	21	1	4.8	1.17	30.5	85.0	37	515	20	0	20	555	57.55
PHY 475 W3FE	21	2	5.1	1.14	32.3	83.9	37	515	35	-250	10	310	55.10
PHY 545 W3FE	21	1	4.7	1.18	31.8	85.6	38	520	35	0	20	575	57.75
PX1140F331-04 W3FE†	21	1	4.6	1.19	31.7	85.6	38	520	35	0	20	575	57.75
PX1140F330-04 W3FE†	21	1	4.3	1.20	30.9	85.2	38	520	20	0	20	560	57.60
PX1150F360-04 W3FE†	21	1	4.5	1.23	31.3	86.0	39	520	35	0	25	580	57.80
PX1150F361-04 W3FE†	21	2	4.3	1.24	31.0	84.9	40	520	35	0	15	570	57.70
PX1140F329-04 W3FE†	21	1	4.6	1.17	32.6	84.5	37	515	35	0	15	565	57.65
PX1130F309-04 W3FE†	21	1	4.7	1.18	30.2	84.5	38	520	20	0	15	555	57.55
PX1150F357-04 W3FE†	21	1	4.7	1.16	32.9	85.0	37	515	35	0	20	570	57.70
DG 3519 B3XF	31	2	4.7	1.21	31.7	85.5	39	465	35	0	20	520	57.20
DG 3528 B3XF	21	1	4.5	1.18	28.5	85.0	38	520	0	0	20	540	57.40
DG 4530 B3TXF	21	1	4.5	1.16	29.2	84.5	37	515	5	0	15	535	57.35
DG 4434 B3TXF	21	1	4.6	1.18	29.6	83.8	38	520	5	0	10	535	57.35
DP 2012 B3XF¶	21	2	4.6	1.19	31.7	85.0	38	520	35	0	20	575	57.75
NG 4936 B3XF¶	11	1	4.5	1.23	31.0	86.1	39	520	35	0	25	580	57.80
ARMOR 9371 B3XF¶	21	1	4.7	1.16	29.5	84.8	37	515	5	0	15	535	57.35
DP 2239 B3XF¶	21	1	4.4	1.26	31.3	85.0	40	520	35	0	20	575	57.75
FM 2498 GLT¶	21	1	5.1	1.21	31.1	85.0	39	520	35	-250	20	325	55.25
ST 5091 B3XF¶	21	1	4.4	1.18	30.6	84.2	38	520	20	0	15	555	57.55

¶ Varieties were entered as part of the National Cotton Variety Testing Program
* New release in 2025 (Variety was tested as an experimental in 2024)
† Indicates the variety is an experimental line and not available commercially.

Table 11: Lint quality and associated 2024 scheduled disc0ounts for varieties at the Isle of Wight OVT Location

Variety	Lint Quality Parameters (HVI Classification)							Premiums & Discounts					
	Color	Leaf	Mic	Length	Strength	Uniformity	Staple	Grade & Length	Strength	Mic.	Uniformity	Net Premium	Loan Value
				in.	g/tex	%	32nds					(points)	(cents/lb)
DP 2115 B3XF	21	2	4.2	1.15	28.4	84.8	37	515	0	10	15	540	57.40
DP 2127 B3XF	21	1	4.5	1.17	30.3	85.5	37	515	20	0	20	555	57.55
DP 2211 B3TXF	31	2	4.4	1.18	29.4	84.3	38	465	5	0	15	485	56.85
DP 2414 B3TXF	31	2	4.3	1.21	29.0	84.5	39	465	5	0	15	485	56.85
DP 2328 B3TXF	21	1	4.1	1.17	29.2	83.3	37	515	5	10	10	540	57.40
DP 2317 B3TXF	21	2	4.1	1.18	30.3	84.4	38	520	20	10	15	565	57.65
DP 2333 B3XF	21	2	4.2	1.21	28.9	85.0	39	520	0	10	20	550	57.50
23R9918 B3TXF†	21	2	4.5	1.13	28.9	84.2	36	445	0	0	15	460	56.60
23R9822 B3TXF†	21	2	4.5	1.14	28.6	83.4	37	515	0	0	10	525	57.25
23R8029 B3XF†	21	2	4.6	1.25	31.1	85.0	40	520	35	0	20	575	57.75
23R9143 B3TXF†	11	2	4.7	1.20	29.6	84.7	38	520	5	0	15	540	57.40
ST 6000 AXTP	21	2	3.8	1.22	33.2	85.6	39	520	45	10	20	595	57.95
ST 5931 AXTP*	21	3	3.6	1.20	31.4	85.4	38	475	35	0	20	530	57.30
ST 4833 AXTP*	21	2	3.9	1.21	31.5	85.6	39	520	35	10	20	585	57.85
ST 5855 AXTP*	21	2	3.9	1.14	30.2	83.8	37	515	20	10	10	555	57.55
BX 2556 AXTP†	21	2	3.7	1.23	31.7	85.2	39	520	35	10	20	585	57.85
BX 2557 AXTP†	21	1	4.0	1.24	32.2	85.6	40	520	35	10	20	585	57.85
ST 4215 AXTP*	31	1	4.2	1.25	31.5	84.5	40	465	35	10	15	525	57.25
NG 3195 B3XF	11	2	4.5	1.16	30.9	84.8	37	515	20	0	15	550	57.50
NG 4414 B3XF	21	2	4.1	1.23	28.7	85.2	39	520	0	10	20	550	57.50
NG 3457 B3XF	21	1	4.2	1.21	29.9	84.9	39	520	5	10	15	550	57.50
AMX 12507 B3TXF†	21	3	3.9	1.22	30.4	84.9	39	475	20	10	15	520	57.20
AMX 12572 B3TXF†	21	2	4.7	1.10	27.6	83.8	35	295	0	0	10	305	55.05
AMX 12526 B3XF†	11	2	4.2	1.18	28.3	85.4	38	520	0	10	20	550	57.50
AMX 12502 B3TXF†	21	2	3.5	1.22	29.8	83.9	39	520	5	0	10	535	57.35
NG 4190 B3XF	11	2	3.8	1.22	29.9	86.3	39	520	5	10	25	560	57.60
NG 4409 B3XF	21	2	4.3	1.22	29.5	85.3	39	520	5	0	20	545	57.45
PHY 332 W3FE	21	1	4.0	1.21	31.0	84.8	39	520	35	10	15	580	57.80
PHY 360 W3FE	21	2	4.3	1.14	28.8	82.4	37	515	0	0	5	520	57.20
PHY 400 W3FE	31	3	4.2	1.17	31.7	83.5	37	425	35	10	10	480	56.80

PHY 411 W3FE	21	2	4.3	1.13	30.2	83.9	36	445	20	0	10	475	56.75
PHY 415 W3FE	21	3	3.9	1.22	33.1	85.0	39	475	45	10	20	550	57.50
PHY 443 W3FE	21	3	4.3	1.16	31.6	85.2	37	470	35	0	20	525	57.25
PHY 475 W3FE	31	2	4.4	1.12	31.1	83.0	36	400	35	0	10	445	56.45
PHY 545 W3FE	21	2	3.9	1.16	30.5	84.9	37	515	20	10	15	560	57.60
PX 1140F331-04 W3FE†	31	4	4.1	1.21	32.7	85.0	39	300	35	10	20	365	55.65
PX 1140F330-04 W3FE†	21	2	4.2	1.18	30.7	85.1	38	520	20	10	20	570	57.70
PX 1150F360-04 W3FE†	21	1	4.0	1.25	30.1	85.6	40	520	20	10	20	570	57.70
PX 1150F361-04 W3FE†	21	2	4.0	1.23	32.0	85.9	39	520	35	10	20	585	57.85
PX 1140F329-04 W3FE†	21	2	4.2	1.20	29.8	84.6	38	520	5	10	15	550	57.50
PX 1130F309-04 W3FE†	21	3	4.1	1.18	30.2	84.5	38	475	20	10	15	520	57.20
PX 1150F357-04 W3FE†	21	2	3.9	1.14	31.2	85.4	37	515	35	10	20	580	57.80
DG 3519 B3XF	11	1	4.0	1.18	30.0	85.7	38	520	20	10	20	570	57.70
DG 3528 B3XF	21	3	4.1	1.21	29.6	84.7	39	475	5	10	15	505	57.05
DG 4530 B3TXF	21	1	4.1	1.16	29.4	85.1	37	515	5	10	20	550	57.50
DG 4434 B3TXF	21	2	3.9	1.19	30.2	84.2	38	520	20	10	15	565	57.65

* New release in 2025 (Variety was tested as an experimental in 2024)

† Indicates the variety is an experimental line and not available commercially.

Table 12: Lint quality and associated 2024 scheduled discounts for varieties at the Southampton Co. - Darden OVT Location

Variety	Lint Quality Parameters (HVI Classification)							Premiums & Discounts					
	Color	Leaf	Mic	Length	Strength	Uniformity	Staple	Grade & Length	Strength	Mic.	Uniformity	Net Premium	Loan Value
				in.	g/tex	%	32nds					(points)	(cents/lb)
DP 2115 B3XF	21	1	4.9	1.18	30.1	85	38	520	20	0	20	560	57.60
DP 2127 B3XF	21	2	4.9	1.16	29.8	85.2	37	515	5	0	20	540	57.40
DP 2211 B3TXF	31	1	4.9	1.19	30.1	85.5	38	465	20	0	20	505	57.05
DP 2414 B3TXF	21	1	4.8	1.17	29.0	85.1	37	515	5	0	20	540	57.40
DP 2328 B3TXF	11	1	4.7	1.18	30.2	84.8	38	520	20	0	15	555	57.55
DP 2317 B3TXF	11	1	4.5	1.18	31.1	85.5	38	520	35	0	20	575	57.75
DP 2333 B3XF	21	1	4.5	1.19	30.2	84.9	38	520	20	0	15	555	57.55
23R9918 B3TXF†	21	1	4.8	1.15	29.9	84.5	37	515	5	0	15	535	57.35
23R9822 B3TXF†	21	1	4.7	1.14	27.5	84.2	37	515	0	0	15	530	57.30
23R8029 B3XF†	21	1	5.1	1.23	32.1	85.0	39	520	35	-250	20	325	55.25
23R9143 B3TXF†	21	1	5.1	1.14	29.5	85.0	37	515	5	-250	20	290	54.90
ST 6000 AXTP	21	1	4.4	1.21	31.3	85.7	39	520	35	0	20	575	57.75
ST 5931 AXTP*	21	1	4.3	1.22	31.2	85.2	39	520	35	0	20	575	57.75
ST 4833 AXTP*	21	1	4.5	1.22	30.7	85.7	39	520	20	0	20	560	57.60
ST 5855 AXTP*	21	2	4.5	1.2	31.8	85.1	38	520	35	0	20	575	57.75
BX 2556 AXTP†	21	2	4.2	1.22	32.7	85.2	39	520	35	10	20	585	57.85
BX 2557 AXTP†	21	1	4.5	1.25	34.0	85.9	40	520	45	0	20	585	57.85
ST 4215 AXTP*	21	2	4.5	1.25	32.4	85.0	40	520	35	0	20	575	57.75
NG 3195 B3XF	21	2	4.7	1.17	30.7	85.5	37	515	20	0	20	555	57.55
NG 4414 B3XF	21	2	4.4	1.23	29.2	85.5	39	520	5	0	20	545	57.45
NG 3457 B3XF	21	2	4.6	1.2	31.2	85.1	38	520	35	0	20	575	57.75
AMX 12507 B3TXF†	21	1	4.4	1.22	31.7	85.7	39	520	35	0	20	575	57.75
AMX 12572 B3TXF†	21	1	5.3	1.12	29.5	85.1	36	445	5	-400	20	70	52.70
AMX 12526 B3XF†	11	1	4.8	1.14	30.6	85.4	37	515	20	0	20	555	57.55
AMX 12502 B3TXF†	21	1	3.8	1.22	29.7	84.6	39	520	5	10	15	550	57.50
NG 4190 B3XF	31	2	4.6	1.2	30.8	85.8	38	465	20	0	20	505	57.05
NG 4409 B3XF	11	1	4.4	1.22	29.9	85.4	39	520	5	0	20	545	57.45
PHY 332 W3FE	21	1	4.6	1.20	33.0	85.1	38	520	45	0	20	585	57.85
PHY 360 W3FE	21	1	4.8	1.17	28.8	84.5	37	515	0	0	15	530	57.30
PHY 400 W3FE	21	1	4.5	1.21	32.2	85.1	39	520	35	0	20	575	57.75
PHY 411 W3FE	21	1	4.7	1.15	31.5	84.5	37	515	35	0	15	565	57.65

PHY 415 W3FE	21	2	4.5	1.21	32.9	85.0	39	520	35	0	20	575	57.75
PHY 443 W3FE	21	1	4.8	1.17	30.5	850.	37	515	20	0	20	555	57.55
PHY 475 W3FE	21	2	5.1	1.14	32.3	83.9	37	515	35	-250	10	310	55.10
PHY 545 W3FE	21	1	4.7	1.18	31.8	85.6	38	520	35	0	20	575	57.75
PX 1140F331-04 W3FE†	21	1	4.6	1.19	31.7	85.6	38	520	35	0	20	575	57.75
PX 1140F330-04 W3FE†	21	1	4.3	1.20	30.9	85.2	38	520	20	0	20	560	57.60
PX 1150F360-04 W3FE†	21	1	4.5	1.23	31.3	86.0	39	520	35	0	25	580	57.80
PX 1150F361-04 W3FE†	21	2	4.3	1.24	31	84.9	40	520	35	0	15	570	57.70
PX 1140F329-04 W3FE†	21	1	4.6	1.17	32.6	84.5	37	515	35	0	15	565	57.65
PX 1130F309-04 W3FE†	21	1	4.7	1.18	30.2	84.5	38	520	20	0	15	555	57.55
PX 1150F357-04 W3FE†	21	1	4.7	1.16	32.9	85.0	37	515	35	0	20	570	57.70
DG 3519 B3XF	31	2	4.7	1.21	31.7	85.5	39	465	35	0	20	520	57.20
DG 3528 B3XF	21	1	4.5	1.18	28.5	85.0	38	520	0	0	20	540	57.40
DG 4530 B3TXF	21	1	4.5	1.16	29.2	84.5	37	515	5	0	15	535	57.35
DG 4434 B3TXF	21	1	4.6	1.18	29.6	83.8	38	520	5	0	10	535	57.35

* New release in 2025 (Variety was tested as an experimental in 2024)

† Indicates the variety is an experimental line and not available commercially.

Table 13: Lint quality and associated 2024 scheduled discounts for varieties at the Sussex Co. - Rogers OVT location

Variety	Lint Quality Parameters (HVI Classification)							Premiums & Discounts					
	Color	Leaf	Mic	Length	Strength	Uniformity	Staple	Grade & Length	Strength	Mic.	Uniformity	Net Premium	Loan Value
				in.	g/tex	%	32nds					(points)	(cents/lb)
DP 2115 B3XF	11	2	4.5	1.17	29.0	85.5	37	515	5	0	20	540	57.40
DP 2127 B3XF	31	2	4.8	1.16	29.8	85.5	37	460	5	0	20	485	56.85
DP 2211 B3TXF	21	1	4.6	1.19	30.2	85.6	38	520	20	0	20	560	57.60
DP 2414 B3TXF	11	1	4.7	1.16	28.9	85.2	37	515	0	0	20	535	57.35
DP 2328 B3TXF	21	2	4.7	1.18	28.6	84.2	38	520	0	0	15	535	57.35
DP 2317 B3TXF	11	1	4.3	1.20	30.7	84.7	38	520	20	0	15	555	57.55
DP 2333 B3XF	11	1	4.9	1.15	28.2	83.3	37	515	0	0	10	525	57.25
23R9918 B3TXF†	21	1	4.6	1.16	29.3	84.3	37	515	5	0	15	535	57.35
23R9822 B3TXF†	11	1	4.4	1.14	28.3	84.5	37	515	0	0	15	530	57.30
23R8029 B3XF†	21	1	5.0	1.20	32.0	85.3	38	520	35	-250	20	325	55.25
23R9143 B3TXF†	21	1	4.7	1.17	29.4	84.9	37	515	5	0	15	535	57.35
ST 6000 AXTP	11	1	4.2	1.20	31.0	84.8	38	520	35	10	15	580	57.80
ST 5931 AXTP*	11	2	4.1	1.22	31.1	85.5	39	520	35	10	20	585	57.85
ST 4833 AXTP*	11	1	4.4	1.23	31.4	85.4	39	520	35	0	20	575	57.75
ST 5855 AXTP*	11	1	4.3	1.18	31.4	84.8	38	520	35	0	15	570	57.70
BX 2556 AXTP†	21	2	4.1	1.23	31.1	84.8	39	520	35	10	15	580	57.80
BX 2557 AXTP†	21	2	4.3	1.22	31.4	86.0	39	520	35	0	25	580	57.80
ST 4215 AXTP*	21	2	4.6	1.22	32.9	83.4	39	520	35	0	10	565	57.65
NG 3195 B3XF	21	2	4.7	1.16	29.8	84.8	37	515	5	0	15	535	57.35
NG 4414 B3XF	21	1	4.5	1.22	29.2	85.7	39	520	5	0	20	545	57.45
NG 3457 B3XF	21	1	4.4	1.19	30.9	84.7	38	520	20	0	15	555	57.55
AMX 12507 B3TXF†	21	2	4.2	1.25	31.5	85.4	40	520	35	10	20	585	57.85
AMX 12572 B3TXF†	11	1	4.9	1.12	29.6	84.6	36	445	5	0	15	465	56.65
AMX 12526 B3XF†	11	2	4.7	1.18	29.4	85.6	38	520	5	0	20	545	57.45
AMX 12502 B3TXF†	21	2	4.2	1.19	30.0	83.8	38	520	20	10	10	560	57.60
NG 4190 B3XF	21	1	4.2	1.21	29.5	86.1	39	520	5	10	25	560	57.60
NG 4409 B3XF	21	2	4.5	1.23	29.3	85.2	39	520	5	0	20	545	57.45
PHY 332 W3FE	11	1	4.4	1.21	33.2	84.9	39	520	45	0	15	580	57.80
PHY 360 W3FE	21	2	4.4	1.17	29.0	84.1	37	515	5	0	15	535	57.35
PHY 400 W3FE	21	1	4.3	1.20	31.9	84.9	38	520	35	0	15	570	57.70
PHY 411 W3FE	21	1	4.6	1.14	31.8	84.0	37	515	35	0	15	565	57.65
PHY 415 W3FE	21	2	4.4	1.22	32.4	85.5	39	520	35	0	20	575	57.75

PHY 443 W3FE	21	1	4.5	1.18	31.6	85.0	38	520	35	0	20	575	57.75
PHY 475 W3FE	21	2	4.4	1.15	32.1	84.0	37	515	35	0	15	565	57.65
PHY 545 W3FE	21	1	4.4	1.18	31.4	84.8	38	520	35	0	15	570	57.70
PX 1140F331-04 W3FE†	21	2	4.7	1.19	33.7	86.0	38	520	45	0	25	590	57.90
PX 1140F330-04 W3FE†	21	3	4.4	1.22	31.8	85.0	39	475	35	0	20	530	57.30
PX 1150F360-04 W3FE†	11	1	4.3	1.23	33.0	85.4	39	520	45	0	20	585	57.85
PX 1150F361-04 W3FE†	11	1	4.6	1.21	31.8	84.8	39	520	35	0	15	570	57.70
PX 1140F329-04 W3FE†	21	3	4.3	1.21	31.9	85.1	39	475	35	0	20	530	57.30
PX 1130F309-04 W3FE†	11	1	4.6	1.17	32.2	85.3	37	515	35	0	20	570	57.70
PX 1150F357-04 W3FE†	21	2	4.4	1.17	32.6	85.9	37	515	35	0	20	570	57.70
DG 3519 B3XF	21	1	4.2	1.22	30.4	85.2	39	520	20	10	20	570	57.70
DG 3528 B3XF	21	2	4.3	1.23	29.2	86.0	39	520	5	0	25	550	57.50
DG 4530 B3TXF	21	2	4.6	1.17	29.7	85.5	37	515	5	0	20	540	57.40
DG 4434 B3TXF	11	1	4.4	1.20	30.1	85.3	38	520	20	0	20	560	57.60

Table 14: Lint quality and associated 2024 scheduled discounts for varieties at the Isle of Wight Co. – Butler On-Farm location

Variety	Lint Quality Parameters (HVI Classification)							Premiums & Discounts					
	Color	Leaf	Mic.	Length	Strength	Uniformity	Staple	Grade & Length	Strength	Mic.	Uniformity	Net Premium	Loan Value
				in.	g/tex	%	32^{nds}					(points)	(cents/lb)
DP 2115 B3XF	51	8	3.8	1.16	29.6	82.9	37	-2000*	5	0	5	-1990	32.10
DP 2328 B3TXF	51	8	3.8	1.15	28.7	81.9	37	-2000	0	0	0	-2000	32.00
DP 2317 B3TXF	61	8	3.7	1.17	30.9	82.6	37	-2000	20	0	5	-1975	32.25
DP 2333 B3XF	51	6	3.9	1.14	28.6	84.0	37	-525	0	0	15	-510	46.90
ST 6000 AXTP	61	8	3.8	1.21	32.1	82.7	39	-2000	35	0	5	-1960	32.40
NG 3195 B3XF	51	8	3.8	1.19	32.0	84.3	38	-2000	35	0	15	-1950	32.50
NG 4414 B3XF	51	7	4.0	1.18	27.9	82.9	38	-640	0	0	5	-635	45.65
PHY 360 W3FE	51	8	4.0	1.16	28.2	82.2	37	-2000	0	0	5	-1995	32.05
PHY 411 W3FE	61	8	4.3	1.07	29.4	82.6	34	-2000	5	0	5	-1990	32.10
PHY 415 W3FE	51	8	4.0	1.20	31.5	82.9	38	-2000	35	0	5	-1960	32.40
DG 3511 B3XF	51	7	4.4	1.16	29.6	83.3	37	-640	5	0	10	-625	45.75
DG 3528 B3XF	51	8	3.8	1.19	27.3	83.6	38	-2000	0	0	10	-1990	32.10

*Lint processing does not allow for lint cleaning prior to ginning- may result in artificial increase in leaf grade, therefore deductions may be higher than with a commercial gin

Table 15: Lint quality and associated 2024 scheduled discounts for varieties at the Southampton Co. – Darden On-Farm location

Variety	Lint Quality Parameters (HVI Classification)							Premiums & Discounts					
	Color	Leaf	Mic.	Length	Strength	Uniformity	Staple	Grade & Length	Strength	Mic.	Uniformity	Net Premium	Loan Value
				in.	g/tex	%	32^{nds}					(points)	(cents/lb)
DP 2115 B3XF	51	8	3.5	1.14	28.0	83.9	37	-2000*	0	0	10	-1990	32.10
DP 2328 B3TXF	51	8	3.7	1.14	28.1	83.2	37	-2000	0	0	10	-1990	32.10
DP 2317 B3TXF	51	8	3.2	1.15	30.7	83.8	37	-2000	20	-635	10	-2605	25.95
DP 2333 B3XF	51	8	3.8	1.14	27.9	82.8	37	-2000	0	0	5	-1995	32.05
ST 6000 AXTP	51	8	3.3	1.14	29.5	83.2	37	-2000	5	-470	10	-2455	27.45
NG 3195 B3XF	51	8	4.1	1.16	29.4	84.8	37	-2000	5	0	15	-1980	32.20
NG 4414 B3XF	51	8	3.6	1.17	26.2	83.4	37	-2000	0	0	10	-1990	32.10
PHY 360 W3FE	61	8	3.9	1.15	28.2	83.6	37	-2000	0	0	10	-1990	32.10
PHY 411 W3FE	61	8	3.8	1.09	27.9	82.6	35	-2000	0	0	5	-1995	32.05
PHY 415 W3FE	51	8	3.6	1.17	31.4	83.5	37	-2000	35	0	10	-1955	32.45
DG 3511 B3XF	51	8	3.8	1.15	29.4	84.7	37	-2000	5	0	15	-1980	32.20
DG 3528 B3XF	61	8	3.5	1.19	27.2	85.5	38	-2000	0	0	20	-1980	32.20

*Lint processing does not allow for lint cleaning prior to ginning- may result in artificial increase in leaf grade, therefore deductions may be higher than with a commercial gin

Table 16: Lint quality and associated 2024 scheduled discounts for varieties at the Surry Co. – Lowe On-Farm location

Variety	Lint Quality Parameters (HVI Classification)							Premiums & Discounts					
	Color	Leaf	Mic.	Length	Strength	Uniformity	Staple	Grade & Length	Strength	Mic.	Uniformity	Net Premium	Loan Value
				in.	g/tex	%	32^{nds}					(points)	(cents/lb)
DP 2115 B3XF	51	8	3.8	1.17	28.4	84.0	37	-2000*	0	0	15	-1985	32.15
DP 2328 B3TXF	61	8	2.8	1.15	26.4	81.8	37	-2000	0	-920	0	-2920	22.80
DP 2317 B3TXF	61	8	3.3	1.13	26.3	82.3	36	-2000	0	-470	5	-2465	27.35
DP 2333 B3XF	51	8	3.0	1.15	27.4	83.3	37	-2000	0	-635	10	-2625	25.75
ST 6000 AXTP	61	8	2.9	1.17	28.6	83.8	37	-2000	0	-920	10	-2910	22.90
NG 3195 B3XF	61	8	3.3	1.16	27.7	85.0	37	-2000	0	-470	20	-2450	27.50
NG 4414 B3XF	61	8	3.2	1.18	25.8	82.8	38	-2000	-495	-635	5	-3125	20.75
PHY 360 W3FE	51	8	3.2	1.15	27.4	83.4	37	-2000	0	-635	10	-2625	25.75
PHY 411 W3FE	61	8	3.3	1.12	27.1	84.4	36	-2000	0	-470	15	-2455	27.45
PHY 415 W3FE	61	8	3.3	1.18	28.5	83.2	38	-2000	0	-470	10	-2460	27.40
DG 3511 B3XF	61	8	3.4	1.15	28.6	84.7	37	-2000	0	-470	15	-2455	27.45
DG 3528 B3XF	61	8	2.7	1.19	26.1	85.3	38	-2000	0	-920	20	-2900	23.00

*Lint processing does not allow for lint cleaning prior to ginning- may result in artificial increase in leaf grade, therefore deductions may be higher than with a commercial gin

Table 17: Lint quality and associated 2024 scheduled discounts for varieties at the Sussex Co. – Webb On-Farm location

Variety	Lint Quality Parameters (HVI Classification)							Premiums & Discounts					
	Color	Leaf	Mic.	Length	Strength	Uniformity	Staple	Grade & Length	Strength	Mic.	Uniformity	Net Premium	Loan Value
				in.	g/tex	%	32^{nds}					(points)	(cents/lb)
DP 2115 B3XF	41	6	4.4	1.18	30.4	83.9	38	-365*	20	0	10	-335	48.65
DP 2328 B3TXF	51	8	4.2	1.18	28.6	83.9	38	-2000	0	0	10	-1990	32.10
DP 2317 B3TXF	51	6	4.1	1.19	31.7	84.4	38	-525	35	0	15	-475	47.25
DP 2333 B3XF	51	6	4.5	1.17	29.1	83.3	37	-525	5	0	10	-510	46.90
ST 6000 AXTP	51	7	3.8	1.21	30.8	83.5	39	-640	20	0	10	-610	45.90
NG 3195 B3XF	41	5	4.5	1.15	30.5	83.3	37	-95	20	0	10	-65	51.35
NG 4414 B3XF	51	7	4.1	1.21	28.6	83.9	39	-640	0	0	10	-630	45.70
PHY 360 W3FE	51	7	4.4	1.16	28.2	83.2	37	-640	0	0	10	-630	45.70
PHY 411 W3FE	51	8	4.7	1.14	31.2	84.8	37	-2000	35	0	15	-1950	32.50
PHY 415 W3FE	51	8	4.0	1.22	31.0	83.9	39	-2000	35	0	10	-1955	32.45
DG 3511 B3XF	41	6	4.7	1.17	31.3	84.7	37	-365	35	0	15	-315	48.85
DG 3528 B3XF	51	6	4.1	1.18	27.6	84.6	38	-525	0	0	15	-510	46.90

*Lint processing does not allow for lint cleaning prior to ginning- may result in artificial increase in leaf grade, therefore deductions may be higher than with a commercial gin

Table 18: Lint quality and associated 2024 scheduled discounts for varieties at the Suffolk City – Ellis On-Farm location

Variety	Lint Quality Parameters (HVI Classification)							Premiums & Discounts					
	Color	Leaf	Mic.	Length	Strength	Uniformity	Staple	Grade & Length	Strength	Mic.	Uniformity	Net Premium	Loan Value
				in.	g/tex	%	32^{nds}					(points)	(cents/lb)
DP 2115 B3XF	51	7	3.7	1.12	29.0	83.1	36	-645*	5	0	10	-630	45.70
DP 2328 B3TXF	61	8	4.0	1.14	27.9	84.4	37	-2000	0	0	15	-1985	32.15
DP 2317 B3TXF	51	8	3.7	1.20	33.1	84.1	38	-2000	45	0	15	-1940	32.60
DP 2333 B3XF	61	8	3.9	1.14	28.1	84.2	37	-2000	0	0	15	-1985	32.15
ST 6000 AXTP	51	7	4.0	1.18	29.3	85.9	38	-640	5	0	20	-615	45.85
NG 3195 B3XF	51	8	4.3	1.14	29.4	83.9	37	-2000	5	0	10	-1985	32.15
NG 4414 B3XF	51	8	3.7	1.17	27.6	83.6	37	-2000	0	0	10	-1990	32.10
PHY 360 W3FE	61	8	4.5	1.15	28.3	83.2	37	-2000	0	0	10	-1990	32.10
PHY 411 W3FE	61	8	4.2	1.09	28.7	84.6	35	-2000	0	0	15	-1985	32.15
PHY 415 W3FE	51	8	4.3	1.19	30.8	85.7	38	-2000	20	0	20	-1960	32.40
DG 3511 B3XF	51	7	4.3	1.13	30.4	85.6	36	-645	20	0	20	-605	45.95
DG 3528 B3XF	51	8	4.0	1.16	28.2	84.0	37	-2000	0	0	15	-1985	32.15

*Lint processing does not allow for lint cleaning prior to ginning- may result in artificial increase in leaf grade, therefore deductions may be higher than with a commercial gin