



2025 NexGen Variety Trial Comparisons **South Texas Region – Coastal Bend**

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Key Features

- ✓ Medium maturity
- ✓ Aggressive growth but will respond to PGR management
- ✓ Good fiber quality package
- ✓ Very good heat tolerance
- ✓ Extremely high-end yield performance

Characteristics

- Maturity – medium
- Leaf hair – semi-smooth
- Plant height – medium to tall
- NFFB – 5.8
- Turnout % - 39 to 40
- Staple Length (32nds) – 36 to 38
- Strength (g/tex) – 29 to 32
- Micronaire – 4.5 to 4.9
- Uniformity % - 83 to 84
- Disease Reaction
 - Bacterial Blight - susceptible
 - Verticillium wilt – fair

5430

B3XF



Key Features

- ✓ Medium-Full season maturity
- ✓ Large seeded with good emergence
- ✓ Very good heat tolerance
- ✓ Aggressive growth
- ✓ Boll type should handle storm conditions
- ✓ Consistent yield potential in dryland

Characteristics

- Maturity – medium-full
- Leaf hair – smooth
- Plant height – medium to tall
- NFFB – 6.5
- Turnout % - 39 to 41
- Staple Length (32nds) – 34 to 35
- Strength (g/tex) – 28 to 32
- Micronaire – 4.5 to 4.9
- Uniformity % - 82 to 83
- Disease Reaction
 - Bacterial Blight – moderately susceptible
 - Verticillium wilt – fair



Summary of County RACE Trial, 2024
Counties included: Refugio, Nueces (2), San Patricio
Source: Dr. Josh McGinty, Jonathan Ramirez, Clinton Livingston, Rudy Alaniz
Texas A&M AgriLife Extension, Corpus Christi

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Turnout (%)
NG 4190 B3XF	613	1189	0.513	36	29.0	4.9	82.9	43.4
DP 2131 B3TXF	551	1050	0.524	38	30.3	4.7	82.4	43.4
DP 2012 B3XF	537	1044	0.512	36	29.5	4.8	82.0	41.0
DG 3528 B3XF	526	1018	0.514	37	29.8	4.9	82.5	42.3
DG 3503 B3XF	538	1000	0.538	38	32.0	4.5	82.7	43.3
ST 6000 AXTP	525	1000	0.524	37	32.6	4.8	83.0	44.9
FM 868 AXTP	490	946	0.513	36	30.6	4.8	82.3	41.4
NG 3457 B3XF	478	935	0.511	36	29.8	5.0	82.4	41.9
Trial Average	532	1023	0.519	37	30.5	4.8	82.5	42.7

- Color and Leaf grades were standardized to a uniform 41-4
- Samples were collected and processed by Texas A&M AgriLife Extension
- Varieties are ranked by Crop Value (\$/A).

NexGen 4190 B3XF vs PhytoGen W3E1 & W3FE Variety Comparison

South Texas Head-to-Head Analysis

On Farm & Texas AgriLife Extension RACE Trial Locations Combined, 2024

Across 10 Locations – Calhoun (2), Colorado, Fort Bend, Jim Wells, Hidalgo (2), & Nueces (3) Counties

\$102 Advantage

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 4190 B3XF	780	1498	0.5211	38	30.7	4.9	83.5	10
PHY 137 W3E1	678	1283	0.5282	39	34.2	4.7	84.2	10

Across 6 Locations – Calhoun, San Patricio, Jim Wells, & Nueces (3) Counties

\$74 Advantage

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 4190 B3XF	665	1,276	0.521	37	30.2	5.02	83.4	6
PHY 415 W3FE	591	1,132	0.522	37	32.4	5.02	83.2	6

NexGen 4190 B3XF vs Deltapine B3TXF & B3XF Variety Comparison

South Texas Head-to-Head Analysis

On Farm & Texas AgriLife Extension RACE and Monster Trial Locations Combined, 2024

Across 8 Locations – Calhoun (2), Kleberg, Nueces (3), Refugio, & San Patricio Counties

\$87 Advantage

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 4190 B3XF	659	1274	0.5173	37	30.0	4.9	83.3	8
DP 2131 B3TXF	572	1077	0.5310	38	30.6	4.7	82.5	8

Across 8 Locations – Calhoun (2), Kleberg, Nueces (3), Refugio, & San Patricio Counties

\$79 Advantage

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 4190 B3XF	659	1274	0.5173	37	30.0	4.9	83.3	8
DP 2012 B3XF	580	1107	0.5239	37	30.1	4.7	82.4	8



NexGen 5430 B3XF vs Fibermax and Stoneville AXTP Variety Comparison

Texas Lower Coast Head-to-Head Analysis

On Farm & Texas AgriLife Extension RACE and Monster Trial Locations Combined, 2024

\$74 Advantage

Across 4 Locations – Kleberg, Nueces, Jim Wells, & San Patricio Counties

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 5430 B3XF	552	1,041	0.530	35	30.1	4.84	82.5	4
FM 868 AXTP	478	895	0.526	35	31.4	4.80	82.9	4

\$16 Advantage

Across 4 Locations – Kleberg, Nueces, Jim Wells, & San Patricio Counties

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 5430 B3XF	552	1,041	0.530	35	30.1	4.84	82.5	4
ST 6000 AXTP	536	974	0.549	37	32.8	4.62	83.3	4



Summary of County RACE Trial, 2024

Counties included: Jackson, Matagorda, Wharton

Source: Dale A. Mott, Ben McKnight - Texas A&M AgriLife Extension, College Station, TX

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Turnout (%)
NG 4190 B3XF	793	1,490	0.533	38	30.6	4.66	83.8	45.0%
PHY 400 W3FE	778	1,450	0.537	38	32.7	4.62	84.3	45.2%
DP 2131 B3TXF	764	1,452	0.526	38	31.7	4.57	83.7	44.9%
DP 2012 B3XF	763	1,419	0.538	38	30.0	4.65	83.4	43.8%
DG 3528 B3XF	758	1,425	0.533	38	30.7	4.69	84.0	44.0%
PHY 415 W3FE	756	1,399	0.540	38	32.0	4.48	83.6	44.2%
ST 6000 AXTP	742	1,373	0.541	38	33.7	4.52	84.0	46.5%
DG 3503 B3XF	737	1,362	0.541	39	32.8	4.23	83.3	45.1%
NG 3457 B3XF	690	1,311	0.526	37	30.5	4.70	82.7	44.7%
FM 868 AXTP	677	1,255	0.539	38	32.0	4.32	83.1	43.2%
Grand Total	746	1,394	0.535	38	31.7	4.54	83.6	44.7%

- Color and Leaf grades were standardized to a uniform 41-4
- Samples were collected and processed by Texas A&M AgriLife Extension
- Varieties are ranked by Crop Value (\$/A).



NexGen 4190 B3XF vs PhytoGen W3E1 & W3FE Variety Comparison

Upper Coast Head-to-Head Analysis

Texas AgriLife Extension RACE & Monster Trial Locations Combined, 2024

Across 6 Locations – Matagorda (2), Wharton, Calhoun, Colorado, & Jackson Counties

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 4190 B3XF	768	1,432	0.536	38	31.0	4.63	83.7	6
PHY 415 W3FE	731	1,352	0.541	38	32.9	4.39	83.5	6

\$37 Advantage

Across 4 Locations – Matagorda, Fort Bend, Calhoun & Colorado Counties

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 4190 B3XF	705	1,308	0.539	39	31.4	4.61	83.6	4
PHY 137 W3E1	652	1,202	0.542	40	34.8	4.31	84.3	4

\$53 Advantage

Across 6 Locations – Matagorda (2), Wharton, Fort Bend, Calhoun, & Jackson Counties

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 4190 B3XF	734	1,369	0.536	38	31.1	4.67	83.7	6
PHY 400 W3FE	731	1,356	0.539	38	33.4	4.58	83.8	6

\$3 Advantage

NexGen 4190 B3XF vs Deltapine B3TXF & B3XF Variety Comparison

Upper Coast Head-to-Head Analysis

Texas AgriLife Extension RACE and Monster Trial Locations Combined, 2024

Across 8 Locations – Matagorda (2), Calhoun (2), Wharton, Jackson, Fort Bend, & Colorado Counties

\$87 Advantage

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 4190 B3XF	762	1,425	0.535	38	31.2	4.68	83.7	8
DP 2131 B3TXF	675	1,261	0.535	39	31.8	4.56	83.4	8

Across 8 Locations – Matagorda (2), Calhoun (2), Wharton, Jackson, Fort Bend, & Colorado Counties

\$39 Advantage

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 4190 B3XF	762	1,425	0.535	38	31.2	4.68	83.7	8
DP 2012 B3XF	723	1,342	0.539	38	31.0	4.60	83.0	8

NexGen 4190 B3XF vs Fibermax and Stoneville AXTP Variety Comparison

Upper Coast Head-to-Head Analysis

Texas AgriLife Extension RACE and Monster Trial Locations Combined, 2024

Across 8 Locations – Matagorda (2), Calhoun (2), Wharton, Jackson, Fort Bend, & Colorado Counties

\$141 Advantage

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 4190 B3XF	762	1,425	0.535	38	31.2	4.68	83.7	8
FM 868 AXTP	621	1,147	0.541	38	32.9	4.45	83.5	8

Across 8 Locations – Matagorda (2), Calhoun (2), Wharton, Jackson, Fort Bend, & Colorado Counties

\$92 Advantage

Variety	Crop Value (\$/A)	Lint Yield (lbs/A)	Loan Price (\$/lb)	Staple (32nds)	Strength (g/tex)	Mic	Unif (%)	Locations (#)
NG 4190 B3XF	762	1,425	0.535	38	31.2	4.68	83.7	8
ST 6000 AXTP	670	1,238	0.541	39	33.9	4.58	83.9	8