2026 Mississippi On-Farm Cotton Variety Trials

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Mississippi State University Extension



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2026 County Trial Locations and Cooperators

Trials arranged and conducted by: Dr. Brian Pieralisi

Assistance provided by: Graduate Student Grace Gough, and student workers Cole Bailey, Andrew Finell, Blain Vencent, Drew Rowsey, Sam Eifling, Will Dalton

Special thanks to: Dr. Tyson Raper – University of Tennessee – West Tennessee Research and Education Center

Table 1. Locations, growers, and cooperating agronomists for the 2026 Mississippi State University County Variety Trial Program.

Location	*Grower*	*Region*	*Irrigation*
Brooksville	***Dr. Brian Pieralisi***	***Hills***	***Dry-Land***
Clarksdale	***Mr. Brian Fyfe***	***Delta***	***Irrigated***
Coffeeville	***Mr. Coley Bailey***	***Hills***	***Dry-Land***
Crawford	***Mr. Rodney Mast/Lowell Mullett***	***Hills***	***Irrigated***
Edwards	***Mr. Kendall Garraway***	***Hills***	***Dry-Land***
Glendora	***Mr. Mike Sturdivant***	***Delta***	***Irrigated***
Goodman	***Mr. Cody Garrett***	***Hills***	***Dry-Land***
Mayersville	***Mr. Chase Mahalitc***	***Delta***	***Irrigated***
Natchez	***Mr. Matthew Guedon***	***Hills***	***Dry-Land***
Prairie	***Mr. Ben Harlow***	***Hills***	***Dry-Land***
Raymond	***Dr. Tyler Soignier***	***Hills***	***Dry-Land***
Sledge	***Mr. Sledge & David Taylor***	***Delta***	***Irrigated***
Starkville	***Dr. Brian Pieralisi***	***Hills***	***Dry-Land***
Verona	***Dr. Amee Ausec***	***Hills***	***Dry-Land***
Westpoint	***Mr. Brandon Litwiller***	***Hills***	***Dry-Land***

Mississippi State University Extension sincerely appreciates the time and effort of the cooperating growers and Mississippi State University Agronomists. Several Independent Consultants also provided significant assistance with these trials, including Mr. Ty Edwards, Mr. Jason Grafton, Mr. Bert Falkner, Mr. Tucker Miller, Mr. Andy Graves, and Mr. Trey Bullock. Sincere gratitude is also extended to the following seed companies and representatives for providing seed for these trials: Stoneville Cottonseed – Dr. Andy White and Bill Long, Nutrien Ag Solutions/Dyna-Gro – Mr. Scott Cummings, Phytogen Cottonseed – Mr. Gus Eifling, Americot/NexGen – Dr. Chase Samples, and Deltapine – Mr. Greg Ferguson. Cooperation from all aforementioned parties is essential for the success of the Mississippi State University County Research and Demonstration Yield Trial Program. In addition, each participating company and Cotton Incorporated provided partial financial support for this project.

Introduction

The cotton variety selection process is often difficult and, in many cases, leaves growers wondering for the remainder of the growing season whether they made the right variety selection decisions. Furthermore, the rapid introduction of new varieties and the discontinuation of "older" varieties have become commonplace over the past several years. Historically, a premier variety would remain in the marketplace for a long period of time. However, a variety that performs well today typically has a life span of four to six years. One that does not perform well will likely remain on the market for less than three years. In addition, the historical standard for variety testing information was to have two to three years of data prior to the release of any given variety. Today, one to two years of "broad scale" variety testing is common prior to the release of a new variety. Therefore, greater demand has been placed upon testing a variety in as many environments as possible as a substitute for multiple years of data. In most cases, variety testing prior to release is conducted by private industry through a series of testing methods and through University Official Variety Trial (OVT) programs. Official Variety Trial data is typically available for one year prior to the release of a given variety.

Our on-farm testing program is not designed to replace or compete with small-plot OVT testing programs, rather, it is designed to complement the data that is provided by OVT programs. The use of large plot variety trial data in conjunction with small plot OVT data provides a tremendous resource with respect to variety performance to the growers of Mississippi.

Methodology

The on-farm testing program at Mississippi State University is designed to test varieties in as many environments as possible. Limiting the number of entries allows for efficient planting and harvest operations and requires a minimum amount of time from cooperating growers. The number of variety entries each company is given is dependent upon market share. In addition, one to two at-large entries are given to smaller companies to provide equal opportunity to as many seed providers as possible. Our on-farm variety tests are usually planted in six- or twelve-row sets utilizing planting equipment provided by each respective grower. In some cases, eight- or four-row sets are used depending on site characteristics and grower preference. In addition, two replications of each variety are planted and harvested at all locations. Plot lengths ranged from 500 to 2600 feet in 2026, depending on the characteristics of the field the trial was conducted. Seed treatments are at the discretion of the company providing the seed. A premium seed treatment package including an insecticide, fungicide, and nematicide was provided for each variety. In-season management is at the discretion of the grower, and each is encouraged to manage the plot area as he/she would manage any given field on their farm.

Each replication for each variety was individually harvested using standard harvest equipment. Harvest weights were collected using a boll buggy or trailer modified to display the weight of seed cotton contained therein. Before all harvest operations, each boll buggy or trailer was calibrated by the Mississippi Department of Agriculture to ensure that accurate harvest weights were collected. An 8- to 10-pound seed cotton sample was collected for each variety tested. To reduce ginning time, subsamples from replications number one and two were composited into a single sample. Seed cotton was ginned at the University of Tennessee – West Tennessee Research and Education Center. Ginning equipment at the WTREC consists of a 20-saw Continental Eagle gin equipped with a stick machine, incline cleaners, two lint cleaners, and a condenser. Fiber quality for each ginned sample was determined using a High-Volume Instrument (HVI) located at the United States Department of Agriculture Classing Office in Memphis, TN.

Entries

A maximum of 10 core variety entries per year are allowed in the Mississippi State University on-farm variety trial program. Entries are allotted by market share from respective companies. One entry per year is automatically given to the variety planted on the highest acreage in the previous year based on the annual Varieties Planted Report from USDA-AMS. In 2026, Deltapine was allotted three spots; Stoneville, Americot, and Phytogen Cottonseed were allotted two spots. The "at-large" entry was given to Dyna-Gro to provide parity between smaller companies with fewer resources than larger companies. Entries in the 2026 Mississippi State University County Trial Program were as follows:

Table 2. 2026 Mississippi State University County Variety Trial Program entry list.

Slot #	Criteria/Company	Variety
1	Deltapine	DP 2127 B3XF
2	Deltapine	DP 2333 B3XF
3	Deltapine	DP 2522NR B3TXF
4	BASF-Stoneville	ST 4650AXTP
5	BASF-Stoneville	ST 5260AXTP
6	Americot	NG 3721 B3XF
7	Americot	NG 4626 B3XF
8	Phytogen Cottonseed	PHY 357 W3FE
9	Phytogen Cottonseed	PHY 433 W3FE
10	At-Large Entry – Crop Production Services/Dyna-Gro	DGX 26101 B3TXF

Site Characteristics

Locations for the 2026 Mississippi State University County Yield Trial Program are listed on page 3. Yield trials were conducted at a total of fifteen locations. Four locations were located in the Delta, and eleven were in the Hills. Five locations were irrigated, and ten locations were dryland. Field sites were chosen based on grower preference and required elements to conduct a reliable yield trial.

Reported Data & Analysis

Each data table includes the following: variety, lint yield, lint percent, micronaire, staple length (in inches) fiber strength, fiber uniformity, and leaf grade. Data analysis using SAS v. 9.4 was conducted on all replicated trials. Grand means (averages) are presented as well as Least Significant Differences (LSD). Least Significant Differences are the smallest value with which we can confidently say there is a difference between two means. Differences in means less than the given LSD value are likely due to variability within a given field or environment. For non-replicated trials and fiber data at individual locations, LSD's are not applicable. For locations that were replicated and data from one replication of a given variety were lost, SAS will interpret these data as missing and provide data analysis based on estimates. Therefore, average data for a given location may be slightly different than data reported.

2026 Mississippi State University On-Farm Variety Trial Program

Yield and Fiber Quality Data Pooled Across All 15 Locations

Table 3. Yield and fiber quality data pooled across all 15 locations.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
ST 4650AXTP	**1177**	40.6					
DP 2127 B3XF	**1168**	40.8					
ST 5260AXTP	**1164**	40.9					
PHY 357 W3FE	**1163**	40.2					
NG 3721 B3XF	**1144**	39.4					
DP 2522NR B3TXF	**1139**	39.7					
DGX 26101 B3TXF	**1129**	41.6					
PHY 433 W3FE	**1102**	38.5					
DP 2333 B3XF	1093	41.3					
NG 4626 B3XF	1069	40.2					
Grand Mean	1123	40.4					
LSD (0.05)	83	1.0					

***Yield in bold type are not significantly different from the highest yielding variety.**

Delta Region Locations Included: Clarksdale, Glendora, Mayersville, and Sledge

Table 4. Yield and fiber quality data pooled over 4 Delta locations.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
ST 4650AXTP	**1543**	39.5					
NG 3721 B3XF	**1456**	37.6					
DP 2333 B3XF	**1455**	40.2					
PHY 357 W3FE	**1429**	37.5					
DGX 26101 B3TXF	**1422**	39.5					
DP 2522NR B3TXF	**1383**	39.3					
DP 2127 B3XF	**1381**	39.5					
ST 5260AXTP	**1379**	38.7					
NG 4626 B3XF	**1366**	38.8					
PHY 433 W3FE	**1364**	37.0					
Grand Mean	1419	39.0					
LSD (0.05)	191	2.2					

***Yield in bold type are not significantly different from the highest yielding variety.**

2026 Mississippi State University On-Farm Variety Trial Program

Hill Region Locations Included: Brooksville, Coffeeville, Crawford, Edwards, Goodman, Natchez, Prairie, Raymond, Starkville, Verona, and Westpoint

Table 5. Yield and fiber quality data pooled over eleven Hill region locations.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2127 B3XF	**1090**	41.3					
ST 5260AXTP	**1086**	41.7					
PHY 357 W3FE	**1061**	40.8					
DP 2522NR B3TXF	**1050**	39.8					
ST 4650AXTP	**1044**	41.0					
NG 3721 B3XF	**1031**	40.1					
DGX 26101 B3TXF	**1023**	42.3					
PHY 433 W3FE	**1000**	39.1					
NG 4626 B3XF	962	40.7					
DP 2333 B3XF	961	41.7					
Grand Mean	1030	40.9					
LSD (0.05)	92	1.1					

***Yield in bold type are not significantly different from the highest yielding variety.**

Irrigated Locations Included: Clarksdale, Crawford, Glendora, Mayersville, and Sledge

Table 6. Yield and fiber quality data pooled over five irrigated locations.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
ST 4650AXTP	**1504**	40.3					
DGX 26101 B3TXF	**1437**	40.5					
NG 3721 B3XF	**1429**	38.4					
PHY 357 W3FE	**1423**	39.6					
DP 2333 B3XF	**1408**	40.8					
DP 2127 B3XF	**1379**	40.2					
ST 5260AXTP	**1375**	39.5					
NG 4626 B3XF	**1374**	39.7					
DP 2522NR B3TXF	**1365**	39.9					
PHY 433 W3FE	1340	38.3					
Grand Mean	1402	39.9					
LSD (0.05)	153	1.7					

***Yield in bold type are not significantly different from the highest yielding variety.**

2026 Mississippi State University On-Farm Variety Trial Program

Dryland Locations Included: Brooksville, Coffeeville, Edwards, Goodman, Natchez, Prairie, Raymond, Starkville, Verona, and Westpoint

Table 7. Yield and fiber quality data pooled over ten dryland locations.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2127 B3XF	**1062**	41.1					
ST 5260AXTP	**1058**	41.7					
PHY 357 W3FE	**1029**	40.5					
DP 2522NR B3TXF	**1025**	39.6					
ST 4650AXTP	**1014**	40.8					
NG 3721 B3XF	**1002**	40.0					
DGX 26101 B3TXF	**976**	42.1					
PHY 433 W3FE	**973**	38.8					
DP 2333 B3XF	935	41.5					
NG 4626 B3XF	917	40.4					
Grand Mean	997	40.7					
LSD (0.05)	99	1.2					

***Yield in bold type are not significantly different from the highest yielding variety.**

2026 Mississippi State University On-Farm Variety Trial Program
Individual Trial Location Data

Location: Brooksville
Grower: Dr. Brian Pieralisi
Region: Hills

Irrigation: Dry-Land
Row Width: 38”
Plant: June 11, 2026

Harvest: November 3, 2026
Soil Series: Brooksville silty clay

Table 8. Yield and fiber quality data at Brooksville.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2522NR B3TXF	1052	39.2					
ST 4650AXTP	905	38.5					
DP 2127 B3XF	863	40.7					
ST 5260AXTP	805	40.6					
NG 3721 B3XF	784	38.1					
NG 4626 B3XF	584	39.5					
DP 2333 B3XF	562	40.3					
PHY 357 W3FE	557	39.1					
DGX 26101 B3TXF	533	40.6					
PHY 433 W3FE	447	35.0					
Grand Mean	709	39.1					
LSD (0.05)	•	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

Location: Clarksdale
Grower: Mr. Brian Fyfe
Region: Delta

Irrigation: Furrow
Row Width: 38”
Plant: May 18, 2026

Harvest: October 29, 2026
Soil Series: Dubbs very fine sandy loam

Table 9. Yield and fiber quality data at Clarksdale.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
ST 4650AXTP	**1626**	39.0					
DP 2333 B3XF	**1623**	40.9					
NG 3721 B3XF	**1603**	39.3					
NG 4626 B3XF	**1557**	40.8					
DP 2127 B3XF	**1474**	41.1					
DGX 26101 B3TXF	**1439**	39.9					
ST 5260AXTP	1414	39.9					
DP 2522NR B3TXF	1320	41.8					
Grand Mean	1507	40.3					
LSD (0.05)	191	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

Phytogen varieties omitted per the grower’s request.

2026 Mississippi State University On-Farm Variety Trial Program

Location: Coffeeville
Grower: Mr. Coley Bailey
Region: Hills
Irrigation: Dry-Land
Row Width: 38”
Plant: May 12, 2026
Harvest: October 5, 2026
Soil Series: Collins silt loam

Table 10. Yield and fiber quality data at Coffeeville.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2522NR B3TXF	**1526**	38.9					
ST 5260AXTP	**1451**	42.1					
PHY 433 W3FE	**1430**	39.5					
PHY 357 W3FE	**1395**	38.2					
ST 4650AXTP	**1366**	43.2					
NG 3721 B3XF	1307	40.7					
DP 2127 B3XF	1221	41.6					
NG 4626 B3XF	1219	40.8					
DP 2333 B3XF	1165	41.7					
DGX 26101 B3TXF	1071	42.8					
Grand Mean	1315	40.9					
LSD (0.05)	172	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

Location: Crawford
Grower: Mr. Rodney Mast/Lowell Mullett
Region: Hills
Irrigation: Pivot
Row Width: 38”
Plant: May 14, 2026
Harvest: October 6, 2026
Soil Series: Vaiden silty clay

Table 11. Yield and fiber quality data at Crawford.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DGX 26101 B3TXF	**1494**	44.4					
NG 4626 B3XF	**1407**	43.2					
PHY 357 W3FE	1375	44.1					
DP 2127 B3XF	1372	42.9					
ST 5260AXTP	1358	42.6					
ST 4650AXTP	1349	43.4					
NG 3721 B3XF	1318	41.5					
DP 2522NR B3TXF	1296	42.4					
PHY 433 W3FE	1273	42.0					
DP 2333 B3XF	1223	43.4					
Grand Mean	1347	43.0					
LSD (0.05)	88	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

2026 Mississippi State University On-Farm Variety Trial Program

Location: Edwards
Grower: Mr. Kendall Garraway
Region: Hills
Irrigation: Dry-Land
Row Width: 38”
Plant: May 16, 2026
Harvest: October 14, 2026
Soil Series: Memphis silt loam

Table 12. Yield and fiber quality data at Edwards.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
ST 5260AXTP	**1102**	44.7					
DP 2522NR B3TXF	**986**	41.2					
DP 2127 B3XF	**953**	41.3					
PHY 357 W3FE	945	43.1					
ST 4650AXTP	873	40.8					
NG 3721 B3XF	821	39.7					
PHY 433 W3FE	810	39.4					
NG 4626 B3XF	796	41.1					
DP 2333 B3XF	730	39.1					
DGX 26101 B3TXF	716	43.2					
Grand Mean	873	41.3					
LSD (0.05)	151	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

Location: Glendora
Grower: Mr. Mike Sturdivant
Region: Delta
Irrigation: Furrow
Row Width: 38”
Plant: May 16, 2026
Harvest: October 12, 2026
Soil Series: Dubbs loam

Table 13. Yield and fiber quality data at Glendora.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
ST 4650AXTP	1230	39.6					
NG 3721 B3XF	1155	35.5					
DP 2333 B3XF	1116	38.8					
DP 2522NR B3TXF	1104	38.4					
DP 2127 B3XF	1067	42.2					
DGX 26101 B3TXF	1051	36.6					
ST 5260AXTP	1042	37.6					
NG 4626 B3XF	864	37.6					
Grand Mean	1079	38.3					
LSD (0.05)	•	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

Phytogen varieties omitted per the grower’s request.

2026 Mississippi State University On-Farm Variety Trial Program

Location: Goodman
Grower: Mr. Cody Garrett
Region: Hills
Irrigation: Dry-Land
Row Width: 38”
Plant: May 14, 2026
Harvest: September 29, 2026
Soil Series: Oaklimeter silt loam

Table 14. Yield and fiber quality data at Goodman.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
ST 5260AXTP	1006	41.2					
PHY 357 W3FE	982	40.4					
DP 2127 B3XF	972	42.7					
NG 3721 B3XF	949	41.8					
DP 2522NR B3TXF	931	40.1					
NG 4626 B3XF	893	41.9					
PHY 433 W3FE	885	38.9					
ST 4650AXTP	871	40.3					
DP 2333 B3XF	846	37.2					
DGX 26101 B3TXF	821	39.3					
Grand Mean	916	40.4					
LSD (0.05)	•	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

Location: Mayersville
Grower: Mr. Chase Mahalitc
Region: Delta
Irrigation: Furrow
Row Width: 38”
Plant: May 13, 2026
Harvest: September 29, 2026
Soil Series: Commerce silty clay loam

Table 15. Yield and fiber quality data at Mayersville.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
ST 5260AXTP	**1493**	39.7					
DP 2522NR B3TXF	**1487**	39.1					
DP 2127 B3XF	**1447**	38.3					
ST 4650AXTP	**1413**	39.1					
NG 4626 B3XF	**1410**	38.3					
PHY 357 W3FE	1384	37.3					
DGX 26101 B3TXF	1343	39.9					
NG 3721 B3XF	1321	36.9					
PHY 433 W3FE	1319	36.8					
DP 2333 B3XF	1132	40.4					
Grand Mean	1387	38.6					
LSD (0.05)	96	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

2026 Mississippi State University On-Farm Variety Trial Program

Location: Natchez
Grower: Mr. Matthew Guedon
Region: Hills
Irrigation: Dry-Land
Row Width: 38”
Plant: May 18, 2026
Harvest: October 13, 2026
Soil Series: Adler silt loam

Table 16. Yield and fiber quality data at Natchez.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
PHY 357 W3FE	**997**	39.7					
DP 2127 B3XF	**995**	39.1					
DGX 26101 B3TXF	**975**	41.3					
PHY 433 W3FE	**968**	38.2					
ST 5260AXTP	**949**	39.9					
NG 3721 B3XF	**943**	39.4					
ST 4650AXTP	930	38.1					
NG 4626 B3XF	893	40.1					
DP 2333 B3XF	845	40.7					
DP 2522NR B3TXF	798	37.3					
Grand Mean	929	39.4					
LSD (0.05)	61	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

Location: Prairie
Grower: Mr. Ben Harlow
Region: Hills
Irrigation: Dry-Land
Row Width: 38”
Plant: May 15, 2026
Harvest: October 5, 2026
Soil Series: Okolona silty clay

Table 17. Yield and fiber quality data at Prairie.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DGX 26101 B3TXF	**1205**	42.4					
DP 2127 B3XF	**1134**	41.5					
NG 3721 B3XF	**1083**	37.3					
NG 4626 B3XF	**1083**	40.4					
ST 5260AXTP	**1057**	41.9					
ST 4650AXTP	**1056**	41.9					
DP 2333 B3XF	**1027**	42.9					
DP 2522NR B3TXF	**1011**	39.8					
Grand Mean	1082	41.0					
LSD (0.05)	229	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

Phytogen varieties omitted per the grower’s request.

2026 Mississippi State University On-Farm Variety Trial Program

Location: Raymond
Grower: Dr. Tyler Soignier
Region: Hills
Irrigation: Dry-Land
Row Width: 38”
Plant: May 15, 2026
Harvest: October 6, 2026
Soil Series: Loring silt loam

Table 18. Yield and fiber quality data at Raymond.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
PHY 433 W3FE	**1035**	39.3					
PHY 357 W3FE	**1031**	41.8					
ST 5260AXTP	**1026**	41.2					
ST 4650AXTP	**1020**	41.8					
NG 3721 B3XF	**945**	40.9					
DP 2127 B3XF	**929**	39.6					
DGX 26101 B3TXF	**914**	42.1					
DP 2333 B3XF	907	41.8					
NG 4626 B3XF	886	38.7					
DP 2522NR B3TXF	883	38.6					
Grand Mean	958	40.6					
LSD (0.05)	122	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

Location: Sledge
Grower: Mr. Sledge & David Taylor
Region: Delta
Irrigation: Furrow
Row Width: 38”
Plant: May 14, 2026
Harvest: October 12, 2026
Soil Series: Collins silt loam

Table 19. Yield and fiber quality data at Sledge.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2333 B3XF	**1956**	40.6					
ST 4650AXTP	**1903**	40.2					
DGX 26101 B3TXF	**1865**	41.7					
NG 3721 B3XF	**1747**	38.6					
NG 4626 B3XF	**1640**	38.7					
DP 2522NR B3TXF	**1619**	37.9					
ST 5260AXTP	1566	37.6					
DP 2127 B3XF	1535	36.3					
Grand Mean	1729	39.0					
LSD (0.05)	345	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

Phytogen varieties omitted per the grower’s request.

2026 Mississippi State University On-Farm Variety Trial Program

Location: Starkville
Grower: Dr. Brian Pieralisi
Region: Hills

Irrigation: Dry-Land
Row Width: 38”
Plant: May 20, 2026

Harvest: October 26, 2026
Soil Series: Leeper silty clay loam

Table 20. Yield and fiber quality data at Starkville.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2127 B3XF	**1673**	41.9					
DGX 26101 B3TXF	**1637**	45.3					
PHY 357 W3FE	**1516**	42.0					
DP 2333 B3XF	**1503**	47.3					
DP 2522NR B3TXF	**1468**	42.2					
ST 5260AXTP	**1459**	41.9					
NG 3721 B3XF	**1400**	41.8					
ST 4650AXTP	**1390**	43.1					
PHY 433 W3FE	**1385**	40.8					
NG 4626 B3XF	**1093**	41.0					
Grand Mean	1453	42.7					
LSD (0.05)	613	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

Location: Verona
Grower: Dr. Amee Ausec
Region: Hills

Irrigation: Dry-Land
Row Width: 38”
Plant: June 10, 2026

Harvest: October 27, 2026
Soil Series: Leaper silty clay loam

Table 21. Yield and fiber quality data at Verona.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
PHY 357 W3FE	691	39.7					
NG 4626 B3XF	652	40.1					
PHY 433 W3FE	651	38.2					
DGX 26101 B3TXF	646	41.3					
ST 5260AXTP	592	39.9					
NG 3721 B3XF	582	39.4					
DP 2127 B3XF	540	39.1					
DP 2333 B3XF	529	40.7					
ST 4650AXTP	464	38.1					
DP 2522NR B3TXF	396	37.3					
Grand Mean	574	39.4					
LSD (0.05)	•	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

2026 Mississippi State University On-Farm Variety Trial Program

Location: Westpoint
Grower: Mr. Brandon Litwiller
Region: Hills

Irrigation: Dry-Land
Row Width: 38”
Plant: May 14, 2026

Harvest: October 1, 2026
Soil Series: Brooksville silty clay

Table 22. Yield and fiber quality data at Westpoint.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2127 B3XF	1341	43.6					
ST 4650AXTP	1260	42.2					
DGX 26101 B3TXF	1241	42.8					
DP 2333 B3XF	1230	43.2					
NG 3721 B3XF	1207	40.6					
DP 2522NR B3TXF	1202	41.4					
ST 5260AXTP	1136	43.2					
NG 4626 B3XF	1072	40.5					
PHY 357 W3FE	1066	40.4					
PHY 433 W3FE	1063	39.6					
Grand Mean	1182	41.7					
LSD (0.05)	•	•					

***Yield in bold type are not significantly different from the highest yielding variety.**

Notes