

# 2017 Mississippi On-Farm Cotton Variety Trials

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Mississippi State University Extension



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## 2017 County Trial Locations and Cooperators

Trials arranged and conducted by: Dr. Darrin Dodds

Assistance provided by: Michael Plumblee, Savana Davis, Lucas Franca, Steven Hall,

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

**Table 1. Locations, growers, and cooperating agronomists for 2017 Mississippi State University County Variety Trial Program.**

<i>Location</i>	<i>Grower</i>	<i>MSU Agronomist</i>
<i>Clarksdale</i>	<b>Mr. Bowen Flowers</b>	<b>Dr. Darrin Dodds</b>
<i>Coffeetown</i>	<b>Mr. Coley Bailey</b>	<b>Dr. Darrin Dodds</b>
<i>Columbus</i>	<b>Mr. Lowell Mullet</b>	<b>Dr. Dennis Reginelli</b>
<i>Como</i>	<b>Mr. David Taylor</b>	<b>Dr. Darrin Dodds</b>
<i>Dundee</i>	<b>Mr. Douglas Hood</b>	<b>Dr. Darrin Dodds</b>
<i>Edwards</i>	<b>Mr. Kendall Garraway</b>	<b>Dr. Darrin Dodds</b>
<i>Ellistown</i>	<b>Mr. Larry Coker</b>	<b>Mr. Charlie Stokes</b>
<i>Eupora</i>	<b>Mr. Matt Knight</b>	<b>Dr. Dennis Reginelli</b>
<i>Glendora</i>	<b>Mr. Mike Sturdivant</b>	<b>Dr. Darrin Dodds</b>
<i>Greenwood</i>	<b>Mr. John Moor</b>	<b>Mr. Andy Braswell</b>
<i>Louise</i>	<b>Mr. Byron Seward</b>	<b>Dr. Darrin Dodds</b>
<i>Mayersville</i>	<b>Mr. Chase Mahalitic</b>	<b>Mr. John Carson</b>
<i>Mississippi State</i>	<b>Dr. Darrin Dodds</b>	<b>Dr. Darrin Dodds</b>
<i>Money</i>	<b>Mr. Chris Bush</b>	<b>Mr. Andy Braswell</b>
<i>Natchez</i>	<b>Mr. Matthew Guedon</b>	<b>Dr. Darrin Dodds</b>
<i>Vaiden</i>	<b>Mr. Jerry Shirley</b>	<b>Dr. Ernie Flint</b>
<i>West Point</i>	<b>Mr. Ben Harlow</b>	<b>Mr. Charlie Stokes</b>

Mississippi State University Extension sincerely appreciates the time and effort of the cooperating growers and Mississippi State University Agronomists. In addition, several Independent Consultants provided a tremendous level of assistance with these trials including: Mr. Ty Edwards, Mr. Jason Grafton, Mr. Bert Falkner, Mr. Tucker Miller, and Mr. Tim Richards. Sincere gratitude is also extended to the following seed companies and representatives for providing seed for these trials: Bayer CropScience – Dr. Andy White, Crop Production Services/Dyna-Gro – Mr. Scott Cummings, Dow AgroSciences/Phytogen Cottonseed – Dr. Brooks Blanche, Americot/NexGen – Dr. Tom Brooks, and Monsanto Company/Delta and Pine Land – Mr. Greg Ferguson.

Cooperation from all aforementioned parties is essential for success of the Mississippi State University County Research and Demonstration Yield Trial Program. In addition, partial financial support for this project was provided by each participating company and Cotton Incorporated.

## **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 discontinued production of “older” varieties has 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 release of any given variety. Today, one to two years of “broad scale” variety testing is common prior to 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. OVT data is typically available for one year prior to 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 given company is given is dependent upon market share. In addition, one to two at-large entries are given to smaller companies in order to provide equal opportunity to as many seed providers as possible. Our on-farm variety tests are usually planted in 8- or 12-row sets utilizing planting equipment provided by each respective grower. In some cases, 4- or 6-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 2017 depending on the characteristics of the field the trial was conducted in. Seed treatments are at the discretion of the company providing seed. A premium seed treatment package including an insecticide, fungicide, and nematocide 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. Prior to 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. In order 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 Texas Tech Fiber and Biopolymer Research Institute in Lubbock, Texas.

## 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 2017, Monsanto/Delta and Pine Land was allotted three spots; Bayer CropScience was allotted three spots; Dow AgroSciences/Phytogen Cottonseed was allotted two spots, and two additional “at-large” entries were given to provide parody between smaller companies with less resources than larger companies. Entries in the 2017 Mississippi State University County Trial Program were as follows:

**Table 2. 2017 Mississippi State University County Variety Trial Program entry list.**

Slot #	Criteria/Company	Variety
1	At – Large Entry – Crop Production Services/Dyna-Gro	DG 3385 B2XF
2	At – Large Entry – Americot	NG 4601 B2XF
3	Bayer CropScience	ST 4949GLT
4	Bayer CropScience	ST 5020GLT
5	Bayer CropScience	ST 5517GLTP
6	Dow AgroSciences/Phytogen Cottonseed	PHY 330 W3FE
7	Dow AgroSciences/Phytogen Cottonseed	PHY 450 W3FE
8	Monsanto/Delta and Pine Land	DP 1518 B2XF
9	Monsanto/Delta and Pine Land	DP 1646 B2XF
10	Monsanto/Delta and Pine Land	DP 1725 B2XF

## Site Characteristics

Locations for the 2017 Mississippi State University County Yield Trial Program are listed on page 3. Yield trials were conducted at a total of 17 locations. Eight locations were located in the Delta and nine were in the hills. All Delta locations were irrigated and eight of nine Hill locations were dryland. The remaining Hill location (Columbus) was pivot irrigated. Field sites were chosen based upon 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 (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 was 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.

# 2017 Mississippi State University On-Farm Variety Trial Program

## Yield and Fiber Quality Data Pooled Across 17 Locations

**Table 3. Yield and fiber quality data pooled across 17 locations.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1207*</b>	38.8	4.10	1.24	30.5	82.5	3.59
<b>PHY 330 W3FE</b>	1082	38.4	4.16	1.18	32.6	83.1	4.24
<b>DP 1725 B2XF</b>	1073	39.6	4.17	1.17	31.3	82.3	3.29
<b>DP 1518 B2XF</b>	1059	36.4	4.10	1.18	30.6	82.6	4.41
<b>DG 3385 B2XF</b>	1052	37.9	4.47	1.16	30.3	83.1	3.18
<b>ST 4949 GLT</b>	1046	39.3	4.19	1.14	31.4	82.3	4.18
<b>ST 5517 GLTP</b>	1036	34.8	4.06	1.19	33.1	81.9	3.41
<b>NG 4601 B2XF</b>	1010	38.2	4.30	1.18	33.7	82.9	3.24
<b>ST 5020 GLT</b>	970	35.2	4.12	1.22	33.5	83.2	4.41
<b>PHY 450 W3FE</b>	925	35.9	4.35	1.15	34.6	83.8	4.00
<b>Grand Mean</b>	1046	37.5	4.20	1.18	32.2	82.8	3.80
<b>LSD (0.05)</b>	53	0.5	0.2	0.01	0.7	0.6	0.4

\* Yield not statistically different than the top yielding variety.

### Delta Region Locations Included: Clarksdale, Dundee, Glendora, Greenwood, Louise, Mayersville, and Money

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

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1183*</b>	38.0	3.91	1.25	30.5	82.6	3.57
<b>PHY 330 W3FE</b>	1081	37.8	3.96	1.20	32.5	82.9	4.57
<b>DG 3385 B2XF</b>	1036	37.5	4.21	1.19	31.1	83.3	3.14
<b>ST 4949 GLT</b>	1034	38.8	3.99	1.16	31.9	82.4	4.00
<b>DP 1725 B2XF</b>	1025	38.7	3.96	1.19	31.7	82.2	3.57
<b>DP 1518 B2XF</b>	1014	35.4	3.96	1.19	30.7	82.7	4.14
<b>ST 5517 GLTP</b>	964	33.7	4.00	1.20	33.6	82.0	3.43
<b>NG 4601 B2XF</b>	960	37.7	3.99	1.19	33.6	82.4	3.57
<b>ST 5020 GLT</b>	936	34.4	3.74	1.22	34.0	82.8	4.57
<b>PHY 450 W3FE</b>	882	35.3	3.96	1.16	34.4	83.7	3.86
<b>Grand Mean</b>	1011	36.7	3.97	1.20	32.4	82.7	3.84
<b>LSD (0.05)</b>	90	0.9	0.2	.03	1.3	1.1	0.7

\* Yield not statistically different than the top yielding variety.

# 2017 Mississippi State University On-Farm Variety Trial Program

Hill Region Locations Included: Coffeeville, Columbus, Como, Edwards, Ellistown, Eupora, Mississippi State, Natchez, Vaiden, and West Point

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

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1223*</b>	39.6	4.25	1.23	30.4	82.5	3.6
<b>DP 1725 B2XF</b>	1108	40.5	4.34	1.15	31.1	82.3	3.1
<b>DP 1518 B2XF</b>	1092	37.3	4.22	1.17	30.6	82.5	4.6
<b>ST 5517 GLTP</b>	1091	35.8	4.12	1.18	32.7	81.9	3.4
<b>PHY 330 W3FE</b>	1079	39.1	4.33	1.17	32.8	83.2	4.0
<b>DG 3385 B2XF</b>	1062	38.5	4.67	1.14	29.8	82.9	3.2
<b>ST 4949 GLT</b>	1053	39.9	4.36	1.24	31.0	82.3	4.3
<b>NG 4601 B2XF</b>	1047	38.7	4.54	1.18	33.7	83.2	3.0
<b>ST 5020 GLT</b>	995	36.0	4.40	1.22	33.1	83.4	4.3
<b>PHY 450 W3FE</b>	955	36.6	4.65	1.14	34.7	83.8	4.1
<b>Grand Mean</b>	1070	38.2	4.39	1.18	32.0	82.8	3.76
<b>LSD (0.05)</b>	63	0.7	0.2	0.02	0.8	0.6	0.5

\* Yield not statistically different than the top yielding variety.

Irrigated Locations Included: Clarksdale, Columbus, Dundee, Glendora, Greenwood, Louise, Mayersville, and Money

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

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1182*</b>	37.6	3.86	1.26	30.6	82.6	3.63
<b>PHY 330 W3FE</b>	1069	37.2	3.90	1.20	32.4	82.8	4.50
<b>ST 4949 GLT</b>	1036	38.3	3.95	1.16	32.1	82.3	4.00
<b>DG 3385 B2XF</b>	1021	36.9	4.26	1.19	31.2	83.3	3.13
<b>DP 1518 B2XF</b>	1018	35.1	3.89	1.20	30.9	82.7	4.13
<b>DP 1725 B2XF</b>	1014	38.2	3.89	1.19	31.7	82.1	3.50
<b>ST 5517 GLTP</b>	974	33.4	3.99	1.20	33.7	82.2	3.50
<b>NG 4601 B2XF</b>	956	37.5	3.96	1.19	33.5	82.3	3.50
<b>ST 5020 GLT</b>	942	33.8	3.76	1.23	33.9	82.9	4.65
<b>PHY 450 W3FE</b>	885	34.9	3.99	1.16	34.6	83.7	4.00
<b>Grand Mean</b>	1010	36.3	3.95	1.20	32.5	82.7	3.85
<b>LSD (0.05)</b>	81	0.8	0.2	0.02	1.1	1.0	0.6

\* Yield not statistically different than the top yielding variety.

# 2017 Mississippi State University On-Farm Variety Trial Program

**Dryland Locations Included: Coffeeville, Como, Edwards, Ellistown, Eupora, Mississippi State, Natchez, Vaiden, and West Point**

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

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1228*</b>	40.0	4.33	1.23	30.4	82.5	3.56
<b>DP 1725 B2XF</b>	1129	40.9	4.44	1.15	30.9	82.4	3.11
<b>DP 1518 B2XF</b>	1095	37.6	4.31	1.16	30.4	82.5	4.67
<b>ST 5517 GLTP</b>	1095	36.0	4.14	1.18	32.6	81.7	3.33
<b>PHY 330 W3FE</b>	1090	39.5	4.42	1.16	32.8	83.4	4.00
<b>DG 3385 B2XF</b>	1079	38.9	4.68	1.14	29.6	82.9	3.22
<b>NG 4601 B2XF</b>	1060	38.7	4.62	1.18	33.8	83.4	3.00
<b>ST 4949 GLT</b>	1053	40.1	4.43	1.12	30.7	82.3	4.33
<b>ST 5020 GLT</b>	995	36.5	4.46	1.22	33.1	83.4	4.22
<b>PHY 450 W3FE</b>	960	36.8	4.70	1.13	34.6	83.8	4.00
<b>Grand Mean</b>	1062	38.3	4.45	1.17	31.9	82.8	3.74
<b>LSD (0.05)</b>	69	0.7	0.2	0.02	0.8	0.7	0.5

\* Yield not statistically different than the top yielding variety.

## Individual Trial Location Data

**Location: Clarksdale**  
**Grower: Bowen Flowers**  
**MSU Agronomist: D. Dodds**

**Row width: 40"**  
**Irrigated: Furrow**  
**Planting date: May 18, 2017**

**Harvest date: October 30, 2017**  
**Soil series: Dubbs Very Fine**  
**Sandy Loam**

**Table 8. Yield and fiber quality data at Clarksdale.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1017*</b>	38.7	3.8	1.24	28.9	81.2	3.0
<b>DG 3385 B2XF</b>	<b>952*</b>	36.3	3.9	1.17	30.2	83.4	3.0
<b>ST 5517 GLTP</b>	901	34.9	3.9	1.18	33.2	82.2	3.0
<b>PHY 330 W3FE</b>	899	37.9	3.9	1.18	32.8	82.8	4.0
<b>ST 5020 GLT</b>	866	35.0	3.7	1.21	33.0	84.1	4.0
<b>DP 1725 B2XF</b>	849	38.5	3.9	1.16	30.7	82.7	4.0
<b>ST 4949 GLT</b>	793	38.0	3.9	1.12	30.2	82.0	4.0
<b>DP 1518 B2XF</b>	780	34.2	3.6	1.20	31.4	82.0	4.0
<b>NG 4601 B2XF</b>	768	36.1	4.1	1.20	33.1	83.4	3.0
<b>PHY 450 W3FE</b>	648	33.4	3.9	1.15	32.5	83.7	3.0
<b>Grand Mean</b>	847	36.3	3.9	1.18	31.6	82.8	3.5
<b>LSD (0.05)</b>	107	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.



# 2017 Mississippi State University On-Farm Variety Trial Program

**Location:** Coffeeville  
**Grower:** Coley Bailey Jr.  
**MSU Agronomist:** D. Dodds

**Row width:** 38”  
**Irrigated:** Dryland  
**Planting date:** May 16, 2017

**Harvest date:** October 22, 2017  
**Soil series:** Collins Silt Loam

**Table 9. Yield and fiber quality data at Coffeeville.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1725 B2XF</b>	<b>1589*</b>	43.2	4.1	1.14	29.5	82.3	3.0
<b>DP 1646 B2XF</b>	<b>1504*</b>	39.3	4.0	1.27	31.5	83.0	4.0
<b>DP 1518 B2XF</b>	<b>1450*</b>	37.1	4.1	1.17	30.5	82.9	4.0
<b>PHY 330 W3FE</b>	<b>1383*</b>	39.2	4.3	1.20	33.6	83.9	4.0
<b>ST 4949 GLT</b>	<b>1347*</b>	40.6	3.9	1.15	32.2	82.8	5.0
<b>DG 3385 B2XF</b>	<b>1291*</b>	37.7	4.7	1.18	29.8	83.4	3.0
<b>NG 4601 B2XF</b>	1268	37.9	4.6	1.19	35.7	84.3	3.0
<b>ST 5517 GLTP</b>	1220	36.4	3.8	1.15	32.9	81.0	3.0
<b>ST 5020 GLT</b>	1114	36.4	4.4	1.25	32.5	85.0	4.0
<b>PHY 450 W3FE</b>	1085	35.7	4.6	1.15	34.5	84.5	4.0
<b>Grand Mean</b>	1325	38.3	4.3	1.19	32.3	83.3	3.7
<b>LSD (0.05)</b>	246	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.

**Location:** Columbus  
**Grower:** R. Mast/L. Mullet  
**MSU Agronomist:** D. Reginelli

**Row width:** 38”  
**Irrigated:** Pivot  
**Planting date:** April 25, 2017

**Harvest date:** October 17, 2017  
**Soil series:** Okolona Silty Clay

**Table 10. Yield and fiber quality data at Columbus.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1178*</b>	36.9	3.5	1.27	30.9	82.5	4.0
<b>DP 1518 B2XF</b>	1056	35.1	3.4	1.20	31.8	82.5	4.0
<b>ST 5517 GLTP</b>	1050	33.5	3.9	1.23	33.8	83.5	4.0
<b>ST 4949 GLT</b>	1049	37.6	3.7	1.16	33.5	82.1	4.0
<b>ST 5020 GLT</b>	987	31.9	3.9	1.27	33.2	83.3	5.0
<b>PHY 330 W3FE</b>	979	35.5	3.5	1.21	32.3	81.8	4.0
<b>NG 4601 B2XF</b>	933	38.2	3.8	1.19	32.7	81.6	3.0
<b>DP 1725 B2XF</b>	928	36.7	3.4	1.17	32.1	81.4	3.0
<b>PHY 450 W3FE</b>	913	34.5	4.2	1.16	36.0	83.7	5.0
<b>DG 3385 B2XF</b>	909	35.1	4.6	1.17	31.6	82.7	3.0
<b>Grand Mean</b>	998	35.5	3.8	1.20	32.8	82.5	3.9
<b>LSD (0.05)</b>	91	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.

# 2017 Mississippi State University On-Farm Variety Trial Program

**Location: Como**  
**Grower: David Taylor**  
**MSU Agronomist: D. Dodds**

**Row width: 38"**  
**Irrigated: Dryland**  
**Planting date: May 22, 2017**

**Harvest date: November 15, 2017**  
**Soil series: Collins Silt Loam**

**Table 11. Yield and fiber quality data at Como.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	1417	40.5	4.0	1.25	30.7	83.1	4.0
<b>DP 1518 B2XF</b>	1288	36.5	4.0	1.17	30.5	82.8	5.0
<b>DP 1725 B2XF</b>	1236	39.7	4.3	1.17	31.3	83.1	3.0
<b>DG 3385 B2XF</b>	1182	37.3	4.6	1.17	30.4	83.7	3.0
<b>PHY 330 W3FE</b>	1175	37.9	4.3	1.17	33.3	83.9	5.0
<b>ST 5517 GLTP</b>	1171	33.9	4.1	1.21	32.9	81.9	4.0
<b>ST 4949 GLT</b>	1119	39.6	4.5	1.13	30.6	83.1	5.0
<b>NG 4601 B2XF</b>	1082	38.3	4.7	1.2	33.4	83.2	3.0
<b>PHY 450 W3FE</b>	928	36.3	4.7	1.14	34.7	84.4	4.0
<b>ST 5020 GLT</b>	861	33.7	4.5	1.25	33.4	83.6	6.0
<b>Grand Mean</b>	1146	37.4	4.4	1.19	32.1	83.3	4.2

\* No statistical analysis performed as only one replication was planted.

**Location: Dundee**  
**Grower: Douglas Hood**  
**MSU Agronomist: D. Dodds**

**Row width: 38"**  
**Irrigated: Furrow**  
**Planting date: May 18, 2017**

**Harvest date: November 16, 2017**  
**Soil series: Dundee Silt Loam/  
 Askew Very Fine Sandy Loam**

**Table 12. Yield and fiber quality data at Dundee.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	- Lbs/Acre -	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>PHY 450 W3FE</b>	<b>971*</b>	35.8	3.8	1.13	33.5	81.8	3.0
<b>ST 4949 GLT</b>	<b>955*</b>	40.2	3.8	1.14	30.1	81.5	4.0
<b>DP 1646 B2XF</b>	<b>922*</b>	36.7	3.8	1.25	28.5	82.8	4.0
<b>ST 5517 GLTP</b>	891	34.8	4.0	1.18	33.1	81.2	3.0
<b>PHY 330 W3FE</b>	870	36.2	3.7	1.19	30.5	82.5	4.0
<b>DP 1725 B2XF</b>	797	38.3	3.6	1.19	29.7	81.7	4.0
<b>NG 4601 B2XF</b>	789	38.1	4.0	1.22	33.0	82.5	3.0
<b>DG 3385 B2XF</b>	784	36.4	4.0	1.19	30.5	83.4	4.0
<b>ST 5020 GLT</b>	748	33.9	3.5	1.18	34.0	80.8	4.0
<b>DP 1518 B2XF</b>	497	34.7	3.7	1.18	29.9	84.1	5.0
<b>Grand Mean</b>	822	36.5	3.8	1.19	31.3	82.2	3.8
<b>LSD (0.05)</b>	79	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.

# 2017 Mississippi State University On-Farm Variety Trial Program

**Location: Edwards**  
**Grower: Kendall Garraway**  
**MSU Agronomist: D. Dodds**

**Row width: 38"**  
**Irrigated: Dryland**  
**Planting date: May 17, 2017**

**Harvest date: November 13, 2017**  
**Soil series: Calloway/Grenada**  
**Loam**

**Table 13. Yield and fiber quality data at Edwards.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>978*</b>	39.1	4.4	1.20	30.2	83.3	3.0
<b>PHY 330 W3FE</b>	<b>951*</b>	40.3	4.3	1.17	32.4	83.5	4.0
<b>DP 1725 B2XF</b>	<b>908*</b>	41.3	4.5	1.13	29.9	81.6	3.0
<b>DP 1518 B2XF</b>	875	36.9	4.3	1.19	30.0	82.8	5.0
<b>DG 3385 B2XF</b>	845	41.0	4.6	1.10	29.9	80.9	4.0
<b>NG 4601 B2XF</b>	808	39.2	4.8	1.16	31.4	82.6	2.0
<b>ST 5517 GLTP</b>	752	34.2	4.2	1.17	31.4	82.3	4.0
<b>ST 4949 GLT</b>	749	39.5	4.4	1.11	28.7	81.8	6.0
<b>ST 5020 GLT</b>	745	35.6	4.5	1.20	32.5	82.6	4.0
<b>PHY 450 W3FE</b>	669	35.7	4.7	1.09	32.8	82.7	4.0
<b>Grand Mean</b>	828	38.3	4.5	1.15	30.9	82.4	3.9
<b>LSD (0.05)</b>	86	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.

**Location: Ellistown**  
**Grower: Larry Coker**  
**MSU Agronomist: C. Stokes**

**Row width: 38"**  
**Irrigated: Dryland**  
**Planting date: May 10, 2017**

**Harvest date: October 18, 2017**  
**Soil series: Mantachie/Talla Silt**  
**Loam**

**Table 14. Yield and fiber quality data at Ellistown.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>ST 4949 GLT</b>	<b>1273*</b>	42.5	4.9	1.12	30.9	83.2	4.0
<b>DP 1518 B2XF</b>	<b>1264*</b>	39.9	4.7	1.14	31.2	82.2	5.0
<b>DP 1646 B2XF</b>	<b>1260*</b>	41.2	5.0	1.20	30.6	82.2	4.0
<b>NG 4601 B2XF</b>	<b>1255*</b>	40.9	4.4	1.17	34.5	84.6	3.0
<b>PHY 330 W3FE</b>	<b>1228*</b>	41.9	5.0	1.15	32.3	83.6	4.0
<b>DP 1725 B2XF</b>	<b>1197*</b>	41.0	4.9	1.18	31.3	84.2	3.0
<b>DG 3385 B2XF</b>	<b>1190*</b>	41.5	5.1	1.14	30.2	83.1	3.0
<b>PHY 450 W3FE</b>	1155	39.3	4.9	1.15	34.2	85.4	4.0
<b>ST 5517 GLTP</b>	1122	37.4	4.0	1.19	33.7	82.3	3.0
<b>ST 5020 GLT</b>	1074	39.2	4.6	1.2	34.2	83.3	4.0
<b>Grand Mean</b>	1202	40.5	4.8	1.16	32.3	83.4	3.7
<b>LSD (0.05)</b>	114	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.

## 2017 Mississippi State University On-Farm Variety Trial Program

**Location: Eupora**  
**Grower: Matt Knight**  
**MSU Agronomist: D. Reginelli**

**Row width: 38"**  
**Irrigated: Dryland**  
**Planting date: May 17, 2017**

**Harvest date: November 10, 2017**  
**Soil series: Oaklimter Silt Loam**

**Table 15. Yield and fiber quality data at Eupora.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>ST 4949 GLT</b>	<b>1390*</b>	40.5	4.4	1.14	31.1	83.6	4.0
<b>DP 1725 B2XF</b>	<b>1370*</b>	41.6	4.2	1.17	32.5	82.8	3.0
<b>PHY 330 W3FE</b>	<b>1337*</b>	39.1	4.0	1.17	33.8	83.2	4.0
<b>ST 5517 GLTP</b>	<b>1310*</b>	34.7	4.0	1.21	32.9	82.7	4.0
<b>DP 1518 B2XF</b>	<b>1310*</b>	38.6	3.9	1.17	31.0	82.8	5.0
<b>DP 1646 B2XF</b>	<b>1304*</b>	37.1	3.8	1.25	29.9	83.3	5.0
<b>NG 4601 B2XF</b>	1289	38.5	4.4	1.19	34.6	84.3	4.0
<b>DG 3385 B2XF</b>	1263	37.3	4.4	1.15	30.2	83.7	3.0
<b>ST 5020 GLT</b>	1260	35.6	4.2	1.23	34.3	83.3	4.0
<b>PHY 450 W3FE</b>	1179	35.4	4.6	1.17	37.2	84.0	4.0
<b>Grand Mean</b>	1301	37.8	4.2	1.19	32.8	83.4	4.0
<b>LSD (0.05)</b>	86	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.

**Location: Glendora**  
**Grower: Mike Sturdivant Jr.**  
**MSU Agronomist: D. Dodds**

**Row width: 38"**  
**Irrigated: Furrow**  
**Planting date: May 16, 2017**

**Harvest date: October 19, 2017**  
**Soil series: Dundee Silt Loam/Silty Clay Loam**

**Table 16. Yield and fiber quality data at Glendora.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	- Lbs/Acre -	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>ST 4949 GLT</b>	1351	38.4	3.3	1.15	32.1	82.2	4.0
<b>DP 1646 B2XF</b>	1172	37.7	3.2	1.27	31.6	82.4	4.0
<b>DP 1725 B2XF</b>	1149	39.8	3.6	1.18	32.3	81.9	3.0
<b>DP 1518 B2XF</b>	1141	34.9	3.4	1.19	32.2	82.3	4.0
<b>PHY 330 W3FE</b>	1071	37.3	3.2	1.20	33.6	83.5	5.0
<b>ST 5517 GLTP</b>	998	31.2	3.6	1.17	33.1	81.5	4.0
<b>ST 5020 GLT</b>	956	34.8	3.5	1.25	33.2	82.5	4.0
<b>NG 4601 B2XF</b>	873	36.9	3.2	1.20	33.3	82.5	5.0
<b>PHY 450 W3FE</b>	793	34.5	3.4	1.16	33.3	84.1	5.0
<b>DG 3385 B2XF</b>	585	36.1	3.7	1.19	30.7	83.5	3.0
<b>Grand Mean</b>	1009	36.2	3.4	1.20	32.5	82.6	4.1

\* No statistical analysis performed as only one replication was planted.

# 2017 Mississippi State University On-Farm Variety Trial Program

**Location: Greenwood**  
**Grower: John Moor**  
**MSU Agronomist: A. Braswell**

**Row width: 38"**  
**Irrigated: Furrow**  
**Planting date: May 9, 2017**

**Harvest date: October 19, 2017**  
**Soil series: Dubbs Loam/Tensas**  
**Silty Clay Loam**

**Table 17. Yield and fiber quality data at Greenwood.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1299*</b>	38.5	4.4	1.14	30.2	80.5	3.0
<b>DG 3385 B2XF</b>	<b>1286*</b>	41.9	4.7	1.19	31.8	83.1	3.0
<b>PHY 330 W3FE</b>	<b>1230*</b>	39.7	4.3	1.19	31.9	82.1	4.0
<b>DP 1518 B2XF</b>	1133	35.5	4.4	1.19	30.2	83.2	3.0
<b>DP 1725 B2XF</b>	1070	39.0	4.2	1.2	31.2	82.3	3.0
<b>ST 5020 GLT</b>	1030	35.0	4.5	1.21	33.9	82.9	5.0
<b>ST 4949 GLT</b>	1027	37.7	4.4	1.20	33.9	82.9	4.0
<b>NG 4601 B2XF</b>	1012	38.8	3.9	1.20	32.2	82.4	4.0
<b>PHY 450 W3FE</b>	995	38.3	4.1	1.16	33.8	83.0	4.0
<b>ST 5517 GLTP</b>	884	31.1	4.3	1.19	34.6	81.4	4.0
<b>Grand Mean</b>	1097	37.5	4.3	1.19	32.4	82.4	3.7
<b>LSD (0.05)</b>	121	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.

**Location: Louise**  
**Grower: Byron Seward**  
**MSU Agronomist: D. Dodds**

**Row width: 30" 2x1 Skip**  
**Irrigated: Furrow**  
**Planting date: May 18, 2017**

**Harvest date: November 10, 2017**  
**Soil series: Dundee/Pearson Silt**  
**Loam**

**Table 18. Yield and fiber quality data at Louise.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1304*</b>	38.9	4.1	1.29	30.2	83.6	3.0
<b>DP 1518 B2XF</b>	<b>1274*</b>	37.1	4.5	1.2	29.4	82.7	4.0
<b>DP 1725 B2XF</b>	<b>1262*</b>	39.6	4.5	1.18	31.9	82.7	3.0
<b>PHY 330 W3FE</b>	<b>1196*</b>	38.6	4.4	1.19	32.0	83.6	5.0
<b>NG 4601 B2XF</b>	<b>1184*</b>	38.7	4.8	1.11	31.1	79.3	2.0
<b>DG 3385 B2XF</b>	<b>1159*</b>	37.0	4.5	1.2	31.3	81.6	3.0
<b>ST 4949 GLT</b>	1061	40.0	4.5	1.16	31.1	82.5	4.0
<b>ST 5517 GLTP</b>	1009	35.3	4.4	1.25	33.7	83.7	3.0
<b>ST 5020 GLT</b>	941	35.4	3.1	1.19	36.7	82.0	5.0
<b>PHY 450 W3FE</b>	826	35.0	4.4	1.17	34.0	84.1	3.0
<b>Grand Mean</b>	1122	37.6	4.3	1.19	32.1	82.6	3.5
<b>LSD (0.05)</b>	160	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.

## 2017 Mississippi State University On-Farm Variety Trial Program

**Location: Mayersville**  
**Grower: Chase Mahalitic**  
**MSU Agronomist: J. Carson**

**Row width: 38"**  
**Irrigated: Furrow**  
**Planting date: May 20, 2017**

**Harvest date: November 15, 2017**  
**Soil series: Commerce Silty Clay**  
**Loam/Bowdre Clay**

**Table 19. Yield and fiber quality data at Mayersville.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1330*</b>	36.7	4.3	1.29	30.9	83.5	4.0
<b>DP 1518 B2XF</b>	<b>1290*</b>	35.4	4.2	1.19	30.8	81.0	4.0
<b>PHY 330 W3FE</b>	<b>1249*</b>	37.3	4.3	1.23	33.6	83.7	6.0
<b>ST 4949 GLT</b>	<b>1178*</b>	38.1	4.4	1.18	32.8	82.9	4.0
<b>NG 4601 B2XF</b>	1163	37.2	4.5	1.21	37.9	84.0	4.0
<b>ST 5517 GLTP</b>	1131	33.7	4.2	1.21	33.9	82.5	3.0
<b>DP 1725 B2XF</b>	1122	37.8	4.4	1.19	31.9	81.5	4.0
<b>DG 3385 B2XF</b>	1104	36.2	4.7	1.21	32.4	84.1	3.0
<b>ST 5020 GLT</b>	1066	33.0	4.3	1.25	33.4	84.3	4.0
<b>PHY 450 W3FE</b>	971	33.3	4.4	1.16	36.0	83.7	4.0
<b>Grand Mean</b>	1160	35.9	4.4	1.21	33.4	83.1	4.0
<b>LSD (0.05)</b>	155	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.

**Location: Mississippi State**  
**Grower: Darrin Dodds**  
**MSU Agronomist: D. Dodds**

**Row width: 38"**  
**Irrigated: Dryland**  
**Planting date: April 25, 2017**

**Harvest date: October 6, 2017**  
**Soil series: Catalpa/Leeper Silty**  
**Clay Loam**

**Table 20. Yield and fiber quality data at Mississippi State.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>827*</b>	42.4	4.5	1.21	31.2	82.1	4.0
<b>ST 5517 GLTP</b>	<b>826*</b>	38.5	4.1	1.15	32.9	80.5	3.0
<b>NG 4601 B2XF</b>	<b>823*</b>	41.6	4.8	1.18	33.6	82.2	3.0
<b>ST 5020 GLT</b>	<b>762*</b>	40.0	4.5	1.18	34.4	83.1	3.0
<b>PHY 450 W3FE</b>	<b>751*</b>	40.7	4.8	1.12	34.8	82.8	4.0
<b>DG 3385 B2XF</b>	689	40.1	4.9	1.08	28.4	81.2	3.0
<b>ST 4949 GLT</b>	678	42.1	4.7	1.07	30.7	80.8	3.0
<b>DP 1725 B2XF</b>	671	41.8	4.7	1.12	30.9	81.6	3.0
<b>PHY 330 W3FE</b>	636	41.0	4.6	1.09	30.7	81.4	3.0
<b>DP 1518 B2XF</b>	554	38.1	4.5	1.12	29.6	80.3	3.0
<b>Grand Mean</b>	722	40.6	4.6	1.13	31.7	81.6	3.2
<b>LSD (0.05)</b>	77	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.

# 2017 Mississippi State University On-Farm Variety Trial Program

**Location: Money**  
**Grower: Chris Bush**  
**MSU Agronomist: A. Braswell**

**Row width: 38"**  
**Irrigated: Furrow**  
**Planting date: May 10, 2017**

**Harvest date: Sept. 28, 2017**  
**Soil series: Dubbs Loam/Tensas**  
**Silty Clay Loam**

**Table 21. Yield and fiber quality data at Money.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1252*</b>	39.7	3.8	1.29	33.2	83.9	4.0
<b>DP 1518 B2XF</b>	1193	36.7	3.9	1.21	31.2	83.7	5.0
<b>DG 3385 B2XF</b>	1109	36.5	4.0	1.19	30.7	84.2	3.0
<b>DP 1725 B2XF</b>	1034	39.2	3.5	1.22	34.0	82.8	4.0
<b>PHY 330 W3FE</b>	1031	37.3	3.9	1.19	32.8	82.0	4.0
<b>ST 4949 GLT</b>	1029	39.2	3.6	1.18	33.1	82.6	4.0
<b>ST 5517 GLTP</b>	978	34.8	3.6	1.20	33.9	81.3	4.0
<b>ST 5020 GLT</b>	950	34.6	3.6	1.26	33.8	83.1	6.0
<b>NG 4601 B2XF</b>	894	37.6	3.4	1.20	34.8	82.4	4.0
<b>PHY 450 W3FE</b>	776	35.3	3.7	1.20	37.8	85.5	5.0
<b>Grand Mean</b>	1025	37.1	3.7	1.21	33.5	83.1	4.3
<b>LSD (0.05)</b>	25	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.

**Location: Natchez**  
**Grower: Matthew Guedon**  
**MSU Agronomist: D. Dodds**

**Row width: 38"**  
**Irrigated: Dryland**  
**Planting date: May 9, 2017**

**Harvest date: October 17, 2017**  
**Soil series: Waverly/Tippo/**  
**Falaya Silt Loam**

**Table 22. Yield and fiber quality data at Natchez.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1220*</b>	38.3	4.2	1.26	30.1	82.7	3.0
<b>DP 1518 B2XF</b>	1019	35.7	4.4	1.18	31.2	82.8	5.0
<b>ST 5517 GLTP</b>	975	33.6	4.1	1.15	32.3	80.7	3.0
<b>DG 3385 B2XF</b>	905	36.0	4.6	1.14	28.2	82.6	4.0
<b>PHY 330 W3FE</b>	905	35.7	4.4	1.18	32.6	83.4	4.0
<b>DP 1725 B2XF</b>	875	37.3	4.2	1.14	30.6	81.1	4.0
<b>ST 4949 GLT</b>	809	36.6	4.4	1.12	31.4	82.7	4.0
<b>ST 5020 GLT</b>	753	32.5	4.5	1.24	32.1	83.4	4.0
<b>NG 4601 B2XF</b>	743	34.0	4.5	1.15	33.1	82.0	3.0
<b>PHY 450 W3FE</b>	686	32.2	4.5	1.14	35.1	83.4	4.0
<b>Grand Mean</b>	889	35.2	4.4	1.17	31.7	82.5	3.8
<b>LSD (0.05)</b>	148	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.

# 2017 Mississippi State University On-Farm Variety Trial Program

**Location: Vaiden**  
**Grower: Jerry Shirley**  
**MSU Agronomist: E. Flint**

**Row width: 38"**  
**Irrigated: Dryland**  
**Planting date: May 11, 2017**

**Harvest date: November 13, 2017**  
**Soil series: Adler Silt Loam**

**Table 23. Yield and fiber quality data at Vaiden.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DG 3385 B2XF</b>	1291	38.8	4.7	1.17	29.9	83.5	3.0
<b>DP 1725 B2XF</b>	1272	42.7	4.8	1.14	30.7	82.0	3.0
<b>DP 1646 B2XF</b>	1263	41.5	4.4	1.21	29.9	81.2	3.0
<b>ST 5517 GLTP</b>	1255	37.3	4.6	1.17	31.2	81.7	3.0
<b>ST 5020 GLT</b>	1217	36.7	4.5	1.21	31.4	82.5	5.0
<b>PHY 330 W3FE</b>	1172	40.3	4.2	1.16	33.3	82.4	4.0
<b>DP 1518 B2XF</b>	1142	38.7	4.5	1.16	28.6	82.1	5.0
<b>NG 4601 B2XF</b>	1095	39.4	4.7	1.19	32.6	83.3	3.0
<b>ST 4949 GLT</b>	1046	39.7	4.3	1.13	30.1	81.4	4.0
<b>PHY 450 W3FE</b>	900	38.1	4.8	1.13	35.0	83.9	4.0
<b>Grand Mean</b>	1165	39.3	4.6	1.17	31.3	82.4	3.7

\* No statistical analysis performed as only one replication was planted.

**Location: West Point**  
**Grower: Ben Harlow**  
**MSU Agronomist: C. Stokes**

**Row width: 30"**  
**Irrigated: Dryland**  
**Planting date: May 10, 2017**

**Harvest date: November 24, 2017**  
**Soil series: Houston Clay**

**Table 24. Yield and fiber quality data at West Point.**

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	----- % -----		--- Inches ---	- grams/tex -	---- % ----	
<b>DP 1646 B2XF</b>	<b>1344*</b>	40.9	4.7	1.21	29.3	81.9	2.0
<b>ST 5517 GLTP</b>	<b>1226*</b>	37.7	4.4	1.19	33.1	82.5	3.0
<b>DG 3385 B2XF</b>	1159	39.8	4.5	1.14	29.0	84.4	3.0
<b>DP 1725 B2XF</b>	1146	40.5	4.3	1.14	31.7	82.6	3.0
<b>PHY 450 W3FE</b>	1095	37.3	4.7	1.11	33.0	83.2	4.0
<b>DP 1518 B2XF</b>	1094	37.6	4.4	1.17	31.1	83.9	5.0
<b>PHY 330 W3FE</b>	1085	40.4	4.7	1.15	33.2	85.0	4.0
<b>ST 5020 GLT</b>	1077	37.0	4.4	1.21	32.8	83.8	4.0
<b>NG 4601 B2XF</b>	1073	38.6	4.7	1.15	34.9	84.1	3.0
<b>ST 4949 GLT</b>	1030	39.6	4.4	1.11	30.7	81.7	4.0
<b>Grand Mean</b>	1133	39.0	4.5	1.16	31.9	83.3	3.5
<b>LSD (0.05)</b>	152	•	•	•	•	•	•

\* Yield not statistically different than the top yielding variety.