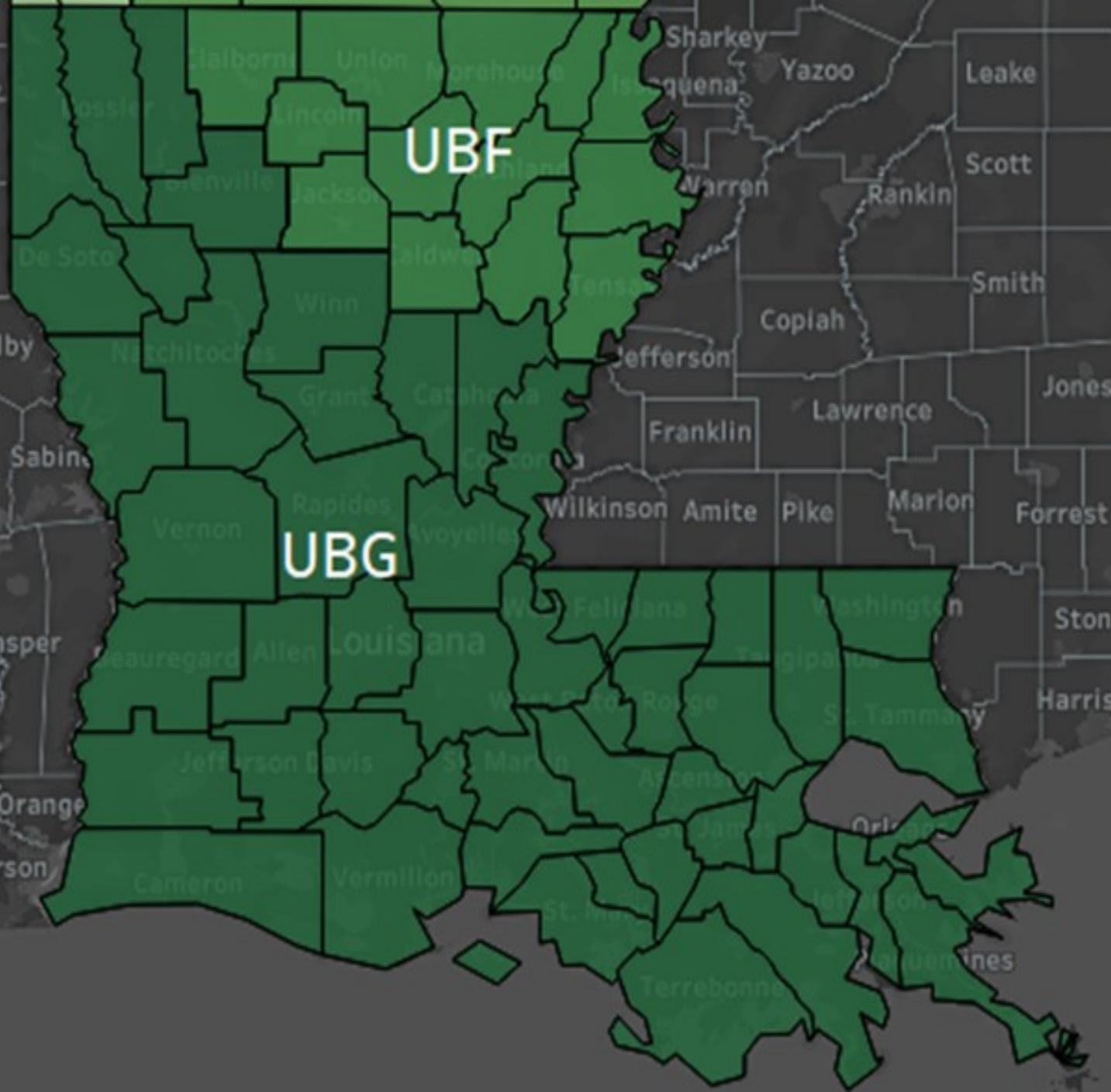




PhytoGen[®]
COTTONSEED

Louisiana Phytogen Update

Derek Scroggs
Field Agronomist



Louisiana Seed Team:

UBF: Matt Raley – Retail Manager
Willie Remore – Field Agronomist
Bill Lambert – Field Agronomist

UBG: Gary Bueche – Retail Manager
Derek Scroggs – Field Agronomist

Mason Bennett – District Sales Leader
Jonathan Siebert – Agronomy Leader



Phytogen Products Past and Current

	Sand	Silt	Clay	Dryland	Plant Type	Height	Storm Tolerance	Poor Drainage	Skip Row	Lower Seeding Rate
332 PHY W3FE	▲	▲	▲	▲	Columnar	Short-Medium	▲	▲	▲	▲
360 PHY W3FE	▲	▲	▲	▲	Upright	Medium	▲	▲	▲	▲
400 PHY W3FE	▲	▲	▲	▲	Bushy	Short	▲	▲	▲	▲
411 PHY W3FE	▲	▲	▲	▲	Bushy	Medium-Tall	▲	▲	▲	▲
415 PHY W3FE	▲	▲	▲	▲	Columnar	Medium	▲	▲	▲	▲
443 PHY W3FE	▲	▲	▲	▲	Columnar	Tall	▲	▲	▲	▲

BREAK THROUGH

PHY 357 W3FE

PhytoGen® brand PHY 357 W3FE

Early-mid maturing variety with exceptional yield potential and excellent fiber quality. It has a very broad area of adaptation and is a medium-to-tall plant. This variety is resistant to bacterial blight and both root-knot and reinform nematodes.



CHARACTERISTICS

MATURITY: Early-Mid

FIBER QUALITY:

Micronaire: 4.8

Staple Length (inches/32nds): 1.17

Strength (g/tex): 33.4

Length Uniformity (%): 84.3

GROWTH HABITS:

Leaf Type: Semi-Smooth

Node of First Fruiting Branch: 6.9

Plant Height: Medium-Tall

Irrigation Response:

Broadly Adapted -

Dryland to Good Water

DISEASE RESISTANCE:



Bacterial
Blight



Root-Knot
Nematodes



Reniform
Nematodes

BREAK THROUGH

PHY 433 W3FE

PhytoGen® brand PHY 433 W3FE

A mid-maturing variety with exceptional yield potential and fiber quality, including industry leading fiber length. It has a broad area of adaptation and is a medium-to-tall plant. This variety is resistant to bacterial blight and both root-knot and reinform nematodes.



CHARACTERISTICS

MATURITY: Mid

FIBER QUALITY:

Micronaire: 4.8

Staple Length (inches/32nds): 1.21

Strength (g/tex): 33.7

Length Uniformity (%): 84.6

GROWTH HABITS:

Leaf Type: Semi-Smooth

Node of First Fruiting Branch: 6.9

Plant Height: Medium-Tall

Irrigation Response:

Broadly Adapted -

Dryland to Good Water

DISEASE RESISTANCE:



Bacterial
Blight



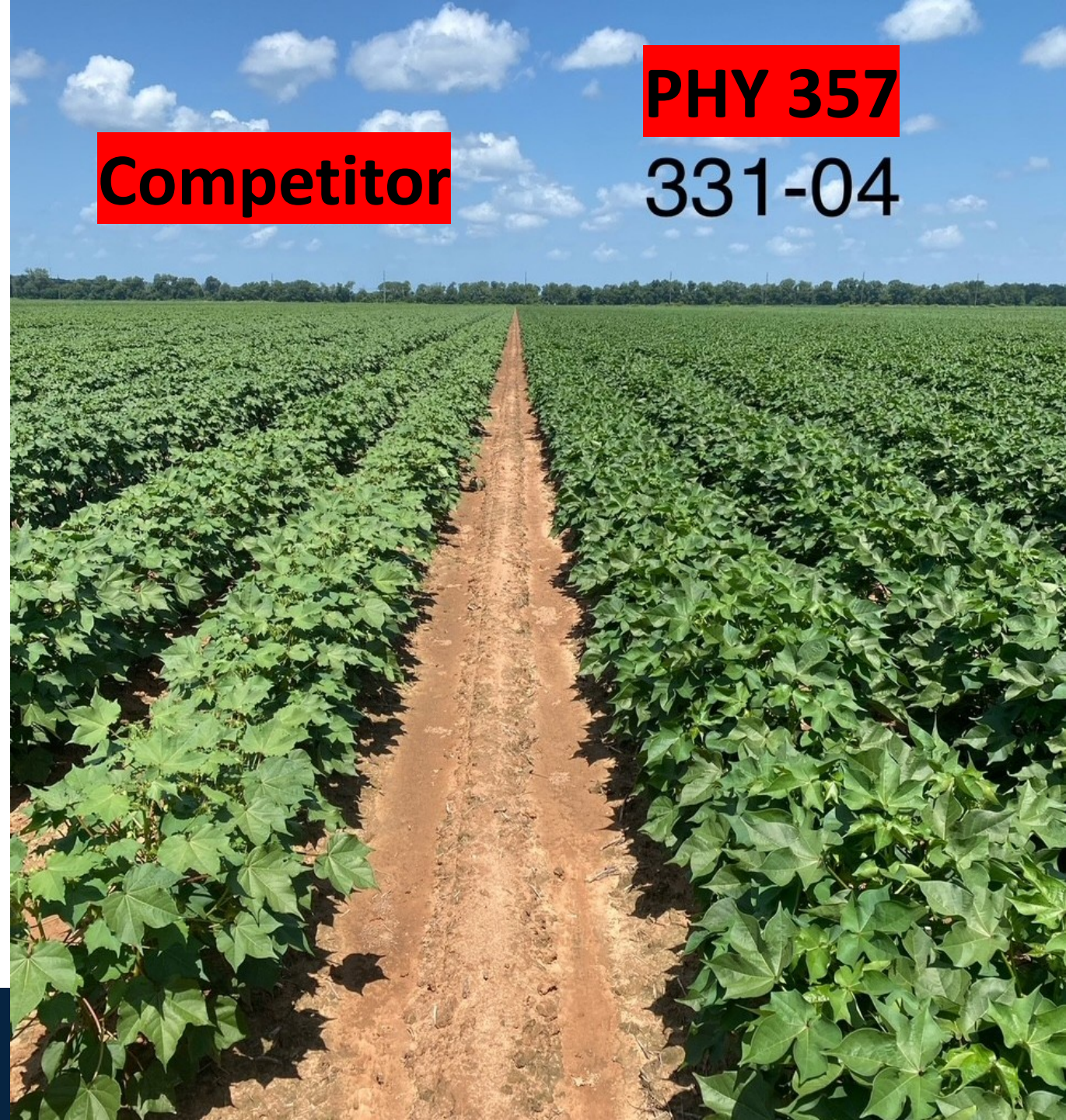
Root-Knot
Nematodes



Reniform
Nematodes

Agronomics

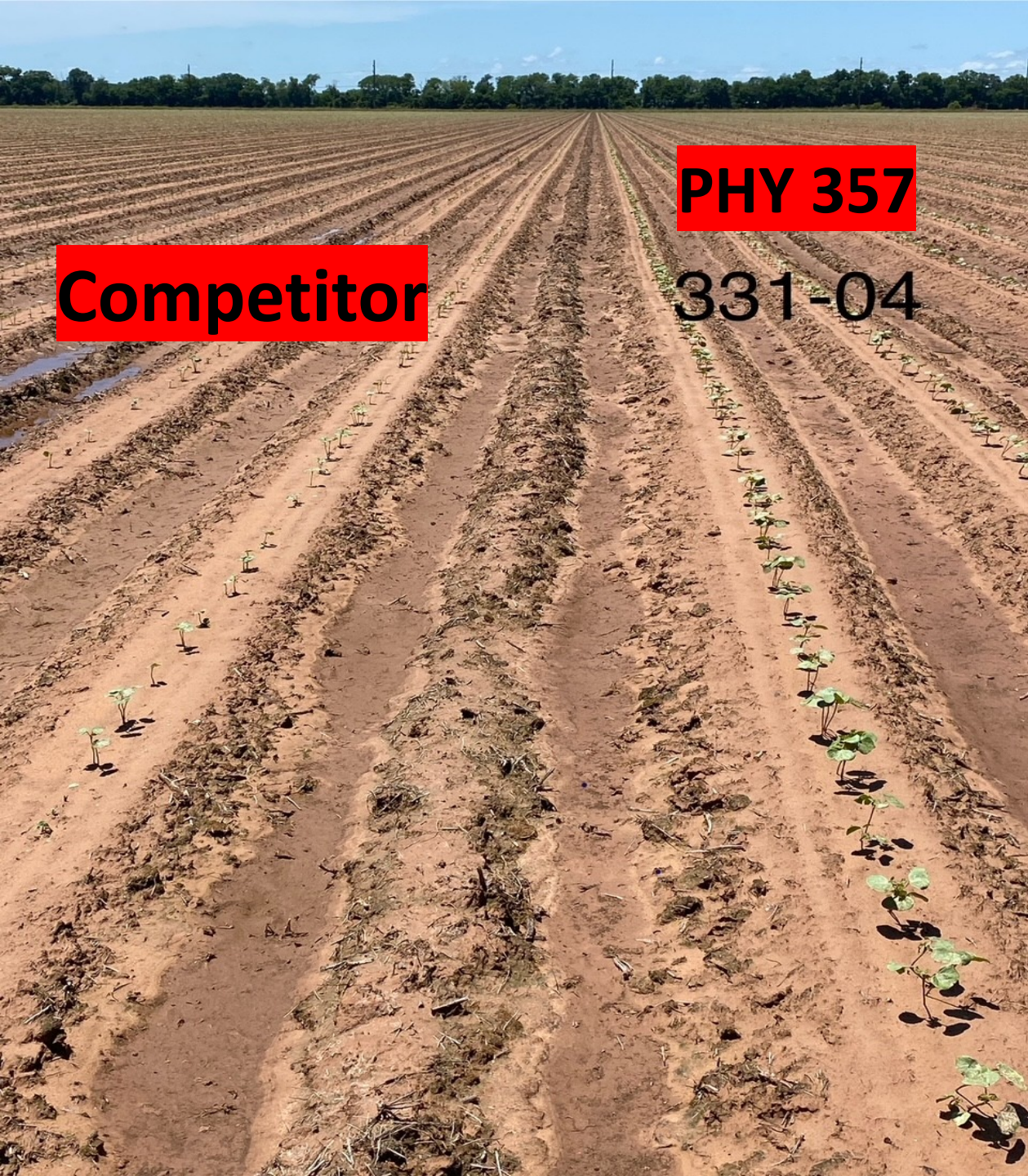
- Excellent emergence and early growth
- Root-knot and Reniform Nematode Resistance
- Bacterial Blight Resistance
- Easy to manage
- Enlist weed control options
- Excellent quality and grades
- Leader in yield



Competitor

PHY 357

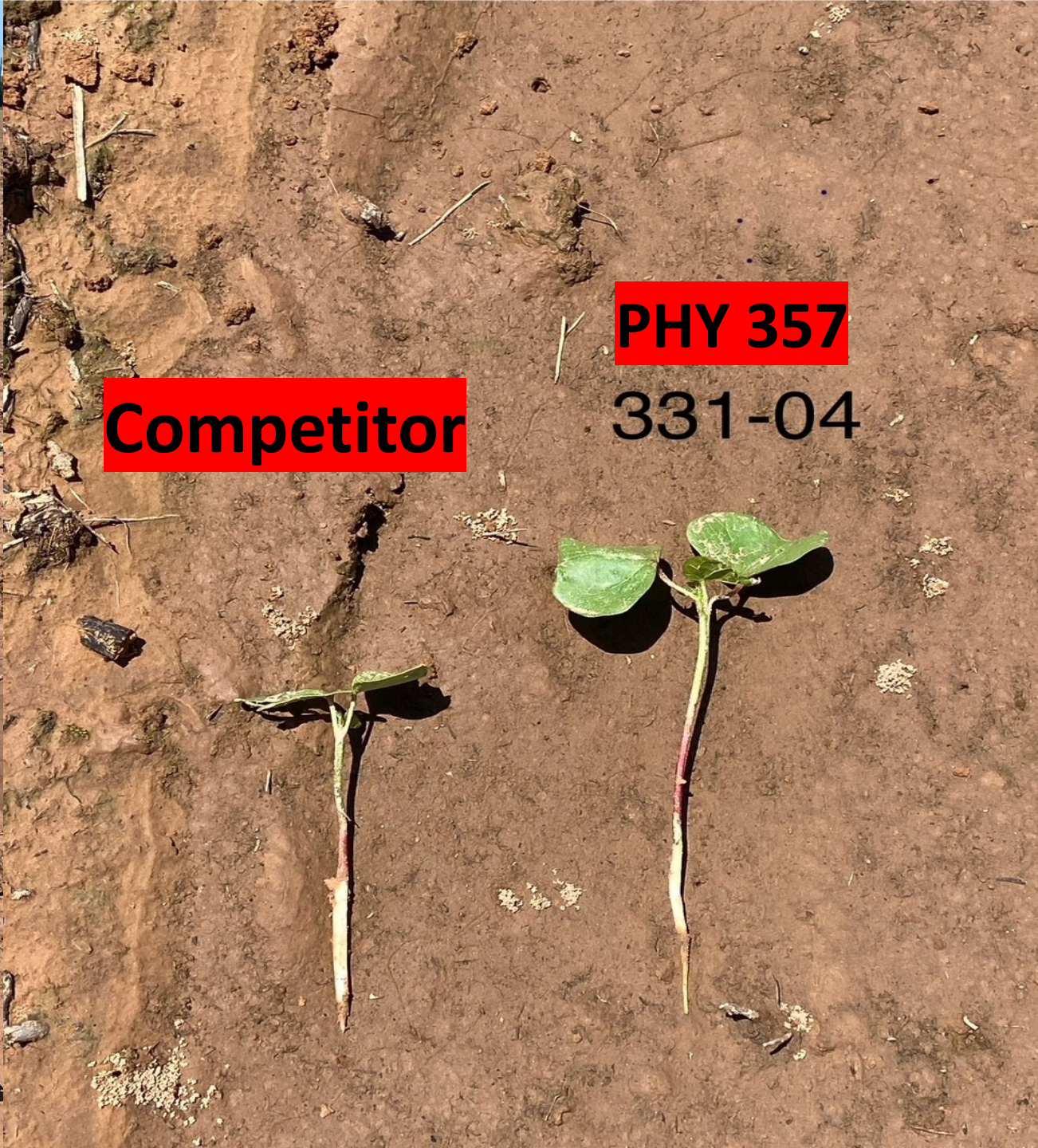
331-04



Competitor

PHY 357

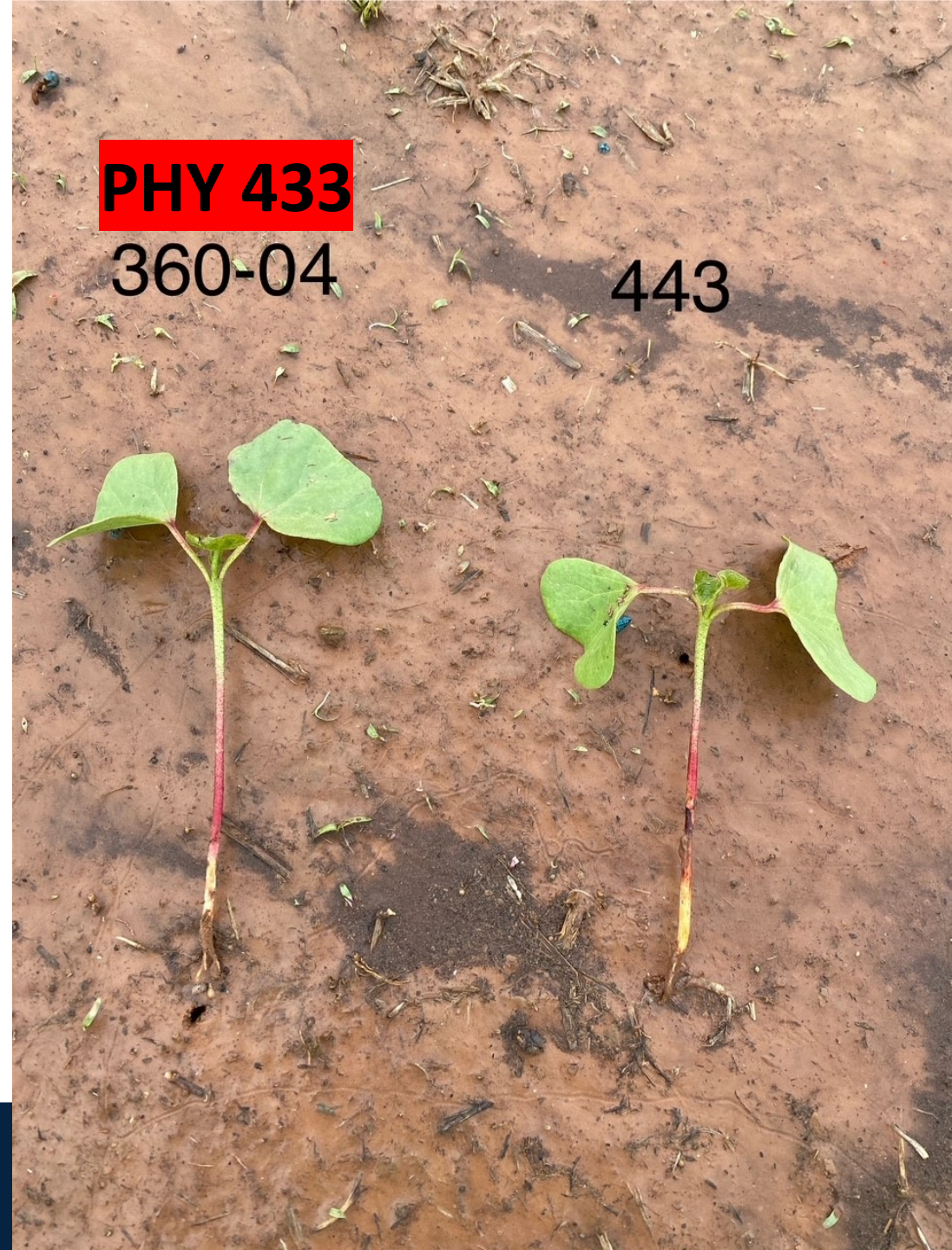
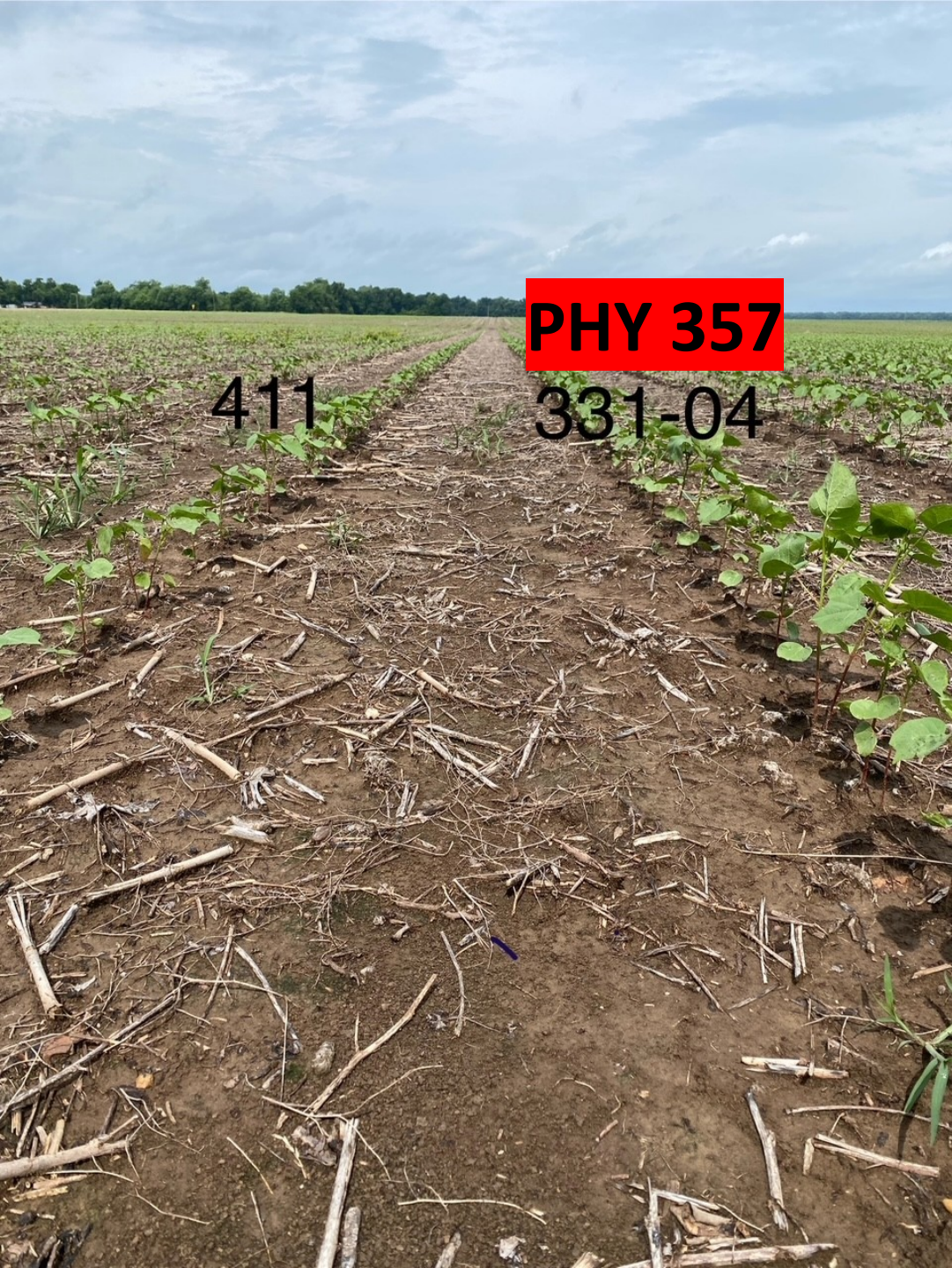
331-04



Competitor

PHY 357

331-04

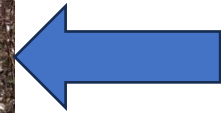


PHY 357 & 433 pick a little cleaner than 411. PHY 411 tighter in the bur for greater storm tolerance.

PHY 357



PHY 411



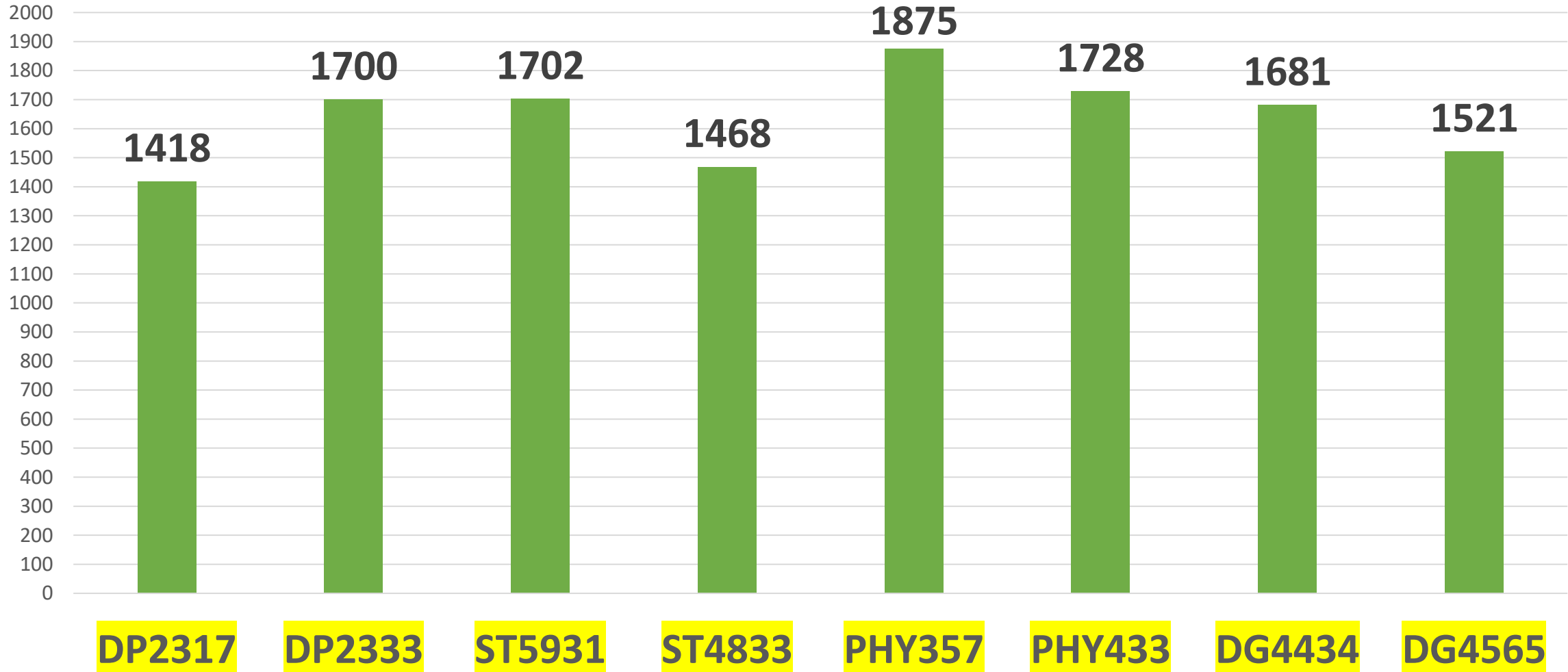
2025 PhytoGen Yield from Louisiana Innovation Trials

Cooperator	Parish	Planted	PHY357	PHY411	PHY415	PHY433	PHY443
Logan Farms	Caddo	4/14/2025	1,480.80	1,289.60	1,222.60	1,259.00	1,214.30
UNI Plantation	Caddo	4/16/2025	1,453.60	1,470.80	1,255.10	1,337.80	1,272.40
V. Mathews	Rapides	4/21/2025	1,865.00	1,784.70	1,559.60	1,788.90	1,568.30
DLRS	Rapides	4/28/2025	1,808.90	1,546.20	1,598.20	1,654.60	1,529.00
Marian Farms	Rapides	5/16/2025	2,391.56	2,196.78	2,028.06	2,203.42	1,909.92
Tim White	Catahoula	5/18/2025	1,583.60	1,560.10	1,352.90	1,519.90	1,438.30
Vandevan Farms	Tensas	5/14/2025	1,789.00	1,522.10		1,754.50	
Brian Hopkins	Morehouse	5/15/2025	1,763.20	1,743.10		1,820.70	
Edward Greer	Richland	5/16/2025	1,296.80	1,240.70		1,183.60	
Jeff Hitt	Franklin	5/18/2025	1,762.60	1,659.30	1,569.60	1,615.90	
Nathan Lee	Madison	5/18/2025	1,924.50	1,897.90	1,747.10	1,940.00	
Johnson Ag	Richland	5/20/2025	1,284.30	1,171.80		1,183.10	
Hardwick Planting	Tensas	5/21/2025	1,741.30	1,707.90	1,632.60	1,598.80	
Matt Turner	Morehouse	5/27/2025	1,535.60	1,492.80		1,576.60	
Lance Marsh	Madison	6/4/2025	1,757.30	1,876.30	1,799.70	1,738.70	

2025 Yield from LSU OVT Trials

<u>Variety</u>	<u>NERS-SL</u>	<u>NERS-C</u>	<u>DLRS</u>	<u>MRRS</u>	<u>RR-SL</u>	<u>RR-C</u>	<u>Lint Yield (lbs/ac)</u>
PHY 357 W3FE	1704.8	2113	1257	1511.5	2230.8	1757	1762.35
BASF 2634 AXTP	1634.5	1786.3	955.5	1458.3	2296	2122.8	1708.90
DP 2127 B3XF	1433.8	1875	1126.5	1598.3	2281.3	1820.5	1689.23
DP 2537 B3TXF	1461.5	1608.3	1045.5	1637.8	2204	2151.3	1684.73
PHY 433 W3FE	1571.8	1843	1188	1296.8	2149	1921	1661.60
24R6833B3TXF	1536	1544.5	1192.3	1694.8	2051.5	1901.5	1653.43
BASF 2660AXTP	1613.5	1629.8	1168.8	1505.3	2132	1852	1650.23
ST 5855AXTP	1273.3	1813.3	1078.8	1471.8	2192.3	2017.8	1641.22
PHY 411 W3FE	1756	1826.8	1073.5	1396.5	1955.3	1825.3	1638.90
PHY 415 W3FE	1579.5	1919.3	1030.8	1448.3	2183	1584.3	1624.20

2025 Yield from LSU Core Block Trials





MISSISSIPPI STATE UNIVERSITY™
MS AGRICULTURAL AND
FORESTRY EXPERIMENT STATION

One-year mean yield performance and fiber characteristics for OVT varieties submitted for testing in 2025 averaged across all testing locations (8).

Variety	Lint Yield†	Lint	Measurement				
			Length	Mic.	Strength	Uniformity	Loan Value
	(lb/acre)	%	(in.)	- - - -	(g/tex)		¢/LB
PX1140H143-04W3FE	1728	43.7	1.21	4.6	34.3	84.2	51.2
PX1140H152-04W3FE	1689	43.4	1.21	4.6	34.7	84.2	51.33
PX1140F330-04W3FE	1638	43.7	1.2	4.5	33.2	83.9	50.66
PHY 357 W3FE	1616	43.8	1.19	4.6	34.1	84.2	52.58
DP 2127 B3XF	1589	43.3	1.18	4.8	31.7	84.5	52.51
PHY 433 W3FE	1563	43.4	1.23	4.4	34.4	84.6	50.66
Amor 9371 B3XF	1553	44.1	1.19	4.5	31.3	84.1	52.42
NG 4626 B3XF	1547	44.8	1.19	4.6	32.3	84.2	51.9
PHY411W3FE	1541	44.5	1.13	4.7	32.5	83.5	52.49
PX1150H164-04W3FE	1541	44	1.18	4.5	33.1	83.4	51.84



New Cotton
Advancements:

PX1140H152

PX1140H164

Summary

- **Phytogen Cotton is a leader in yield and agronomics**
- **PHY357 and PHY411 will be companion products in 2026**
- **PHY433 will be replacing PHY415 and PHY443**
- **Excellent emergence and early growth with PHY357 and PHY433**
- **Superior Root-knot and Reniform Nematode resistance**
- **Enlist Weed Control System**
- **Phytogen Future is bright: Two New Cotton Advancements (152,164)**

