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# **BASF Seed Update**

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# Crop Seed Advisors – South Delta

Jerry Ford, Seed Lead

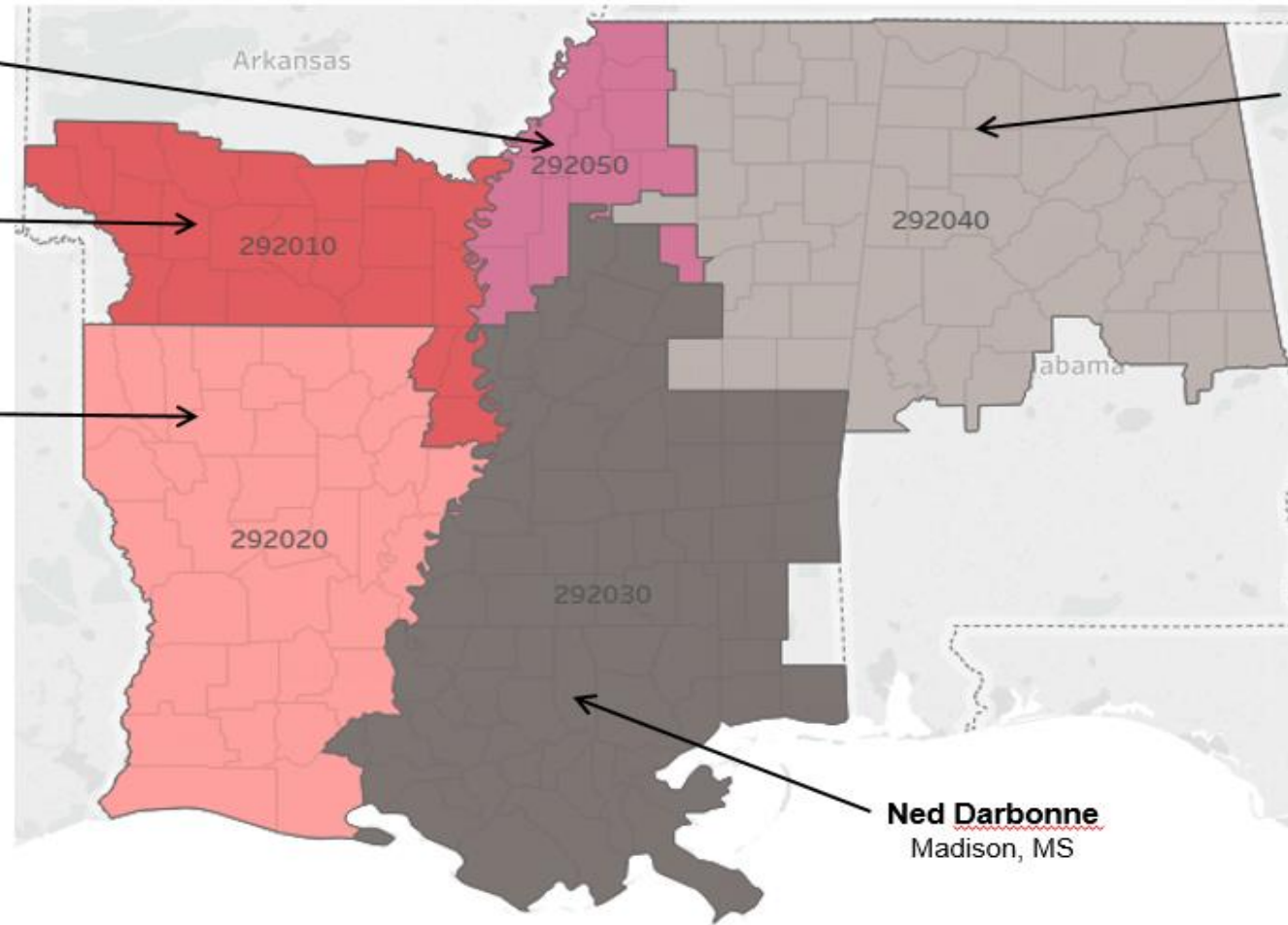
Rectangular Snip

**Seth Herren**  
Olive Branch, MS

**John Smith**  
Monticello, AR

**James Harp**  
Monroe, LA

**Christopher Whatley**  
Starkville, MS



**Ned Darbonne**  
Madison, MS

**Kyle Fontenot**  
Ville Platte, LA  
Agronomist

**Andy White**  
Holcomb, MS  
Agronomist





## 2019 Stoneville Portfolio MidSouth Focus

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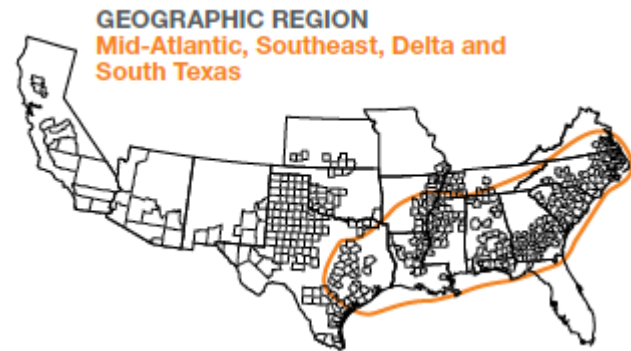
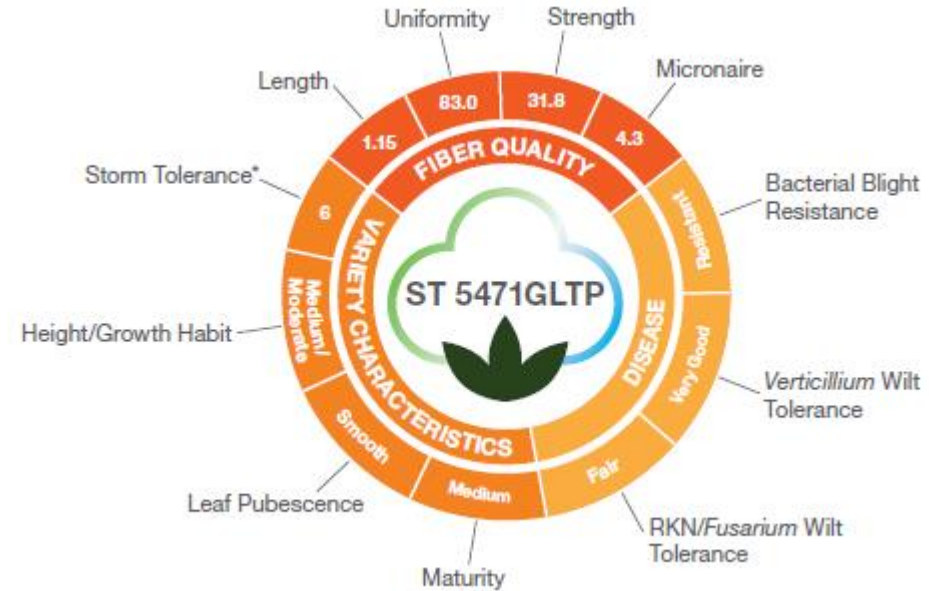




| Variety     | Maturity  | Plant Type      | Emergence Vigor | Leaf Pubescence | Bacterial Blight Resistance | PGR Requirement | Lint %    | Comments  |
|-------------|-----------|-----------------|-----------------|-----------------|-----------------------------|-----------------|-----------|---|
| ST 4550GLTP | Early/Mid | Tall            | Good            | Hairy           | Susceptible                 | High            | High      | Strong performing early variety                           |
| ST 5122GLT  | Early/Mid | Compact         | Good/Excellent  | Smooth          | Partial Susceptible         | Low             | Good      | Good option for planting behind wheat                     |
| ST 5471GLTP | Medium    | Compact         | Good            | Smooth          | Resistant                   | Low             | Good      | Strongest performance under irrigation                    |
| ST 5517GLTP | Mid/Full  | Compact         | Good            | Smooth          | Resistant                   | Moderate        | Mod/Good  | Stable dryland performance. Fuller than number represents |
| ST 5818GLT  | Mid/Full  | Upright/Tall    | Excellent       | Smooth          | Partial Susceptible         | Moderate        | Good      | Excellent dryland fit and performance                     |
| ST 5600B2XF | Mid/Full  | Tall            | Good            | Semi-Smooth     | Susceptible                 | High            | Good      | RKN resistant, good option across SE                      |
| ST 6182GLT  | Mid/Full  | Tall/Aggressive | Good            | Smooth          | Susceptible                 | High            | Very High | Proven top performer across SE                            |

# Stoneville® ST 5471GLTP

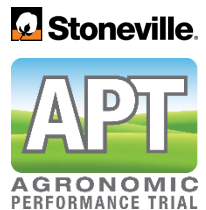
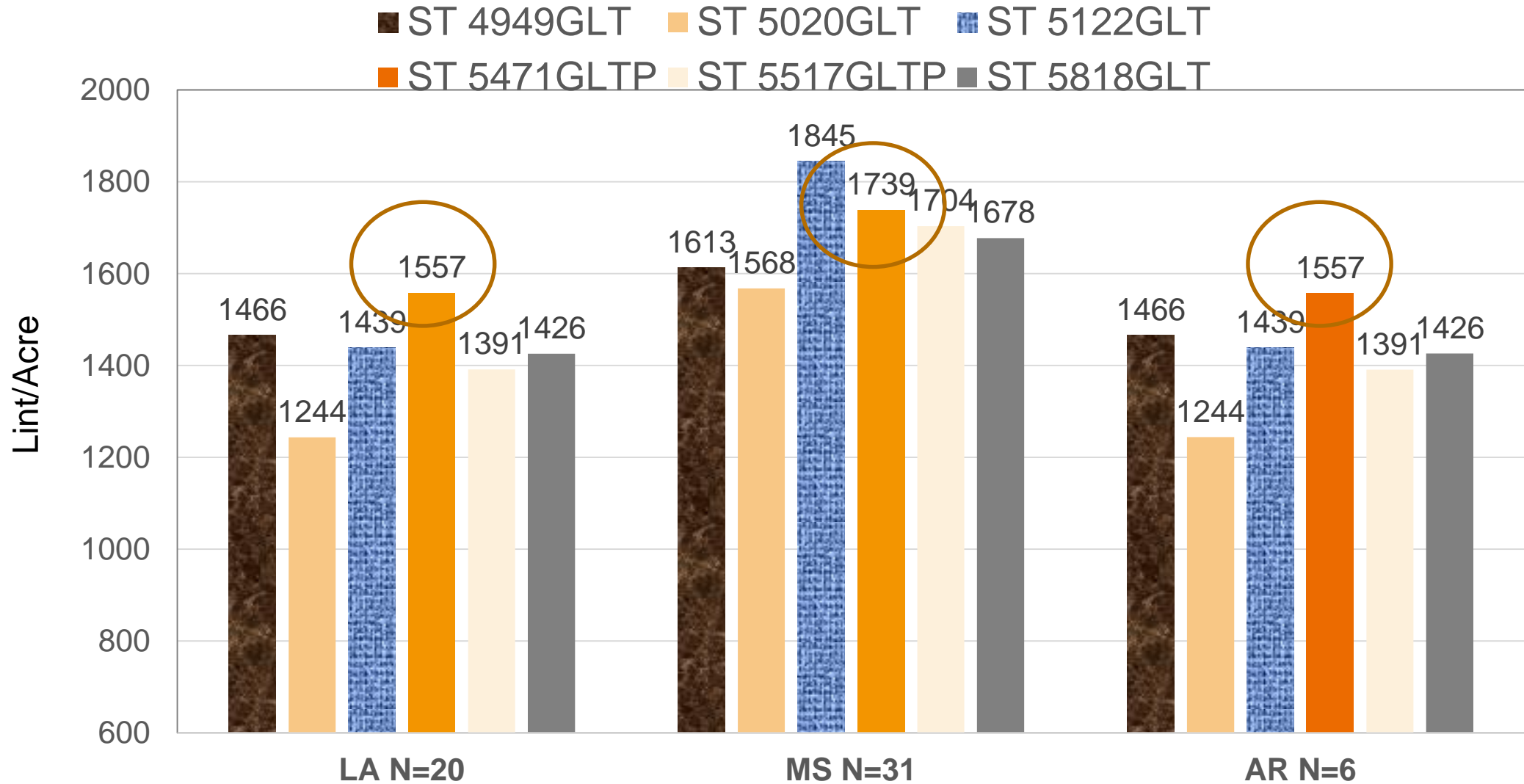
- Outstanding yield potential
- Exceptional fiber package
- High gin turnout
- Mid maturity
- Very good *Verticillium* wilt tolerance
- Resistant to bacterial blight
- Smooth leaf
- Liberty® and glyphosate herbicide tolerant
- Three-gene lepidopteran resistance, which decreases the likelihood that a worm application will be needed





# Commercial Cotton Performance 2017-2018

## MidSouth



\* Includes all available data as of 12/13/18



# 2019 New Variety Introduction

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# Stoneville® ST 4550GLTP

- Tested as BX 1973GLTP
- Outstanding yield potential
- Exceptional fiber package
- High gin turnout
- Early-Medium maturity
- Liberty® and glyphosate herbicide tolerant
- Three-gene lepidopteran resistance, which decreases the likelihood that a worm application will be needed

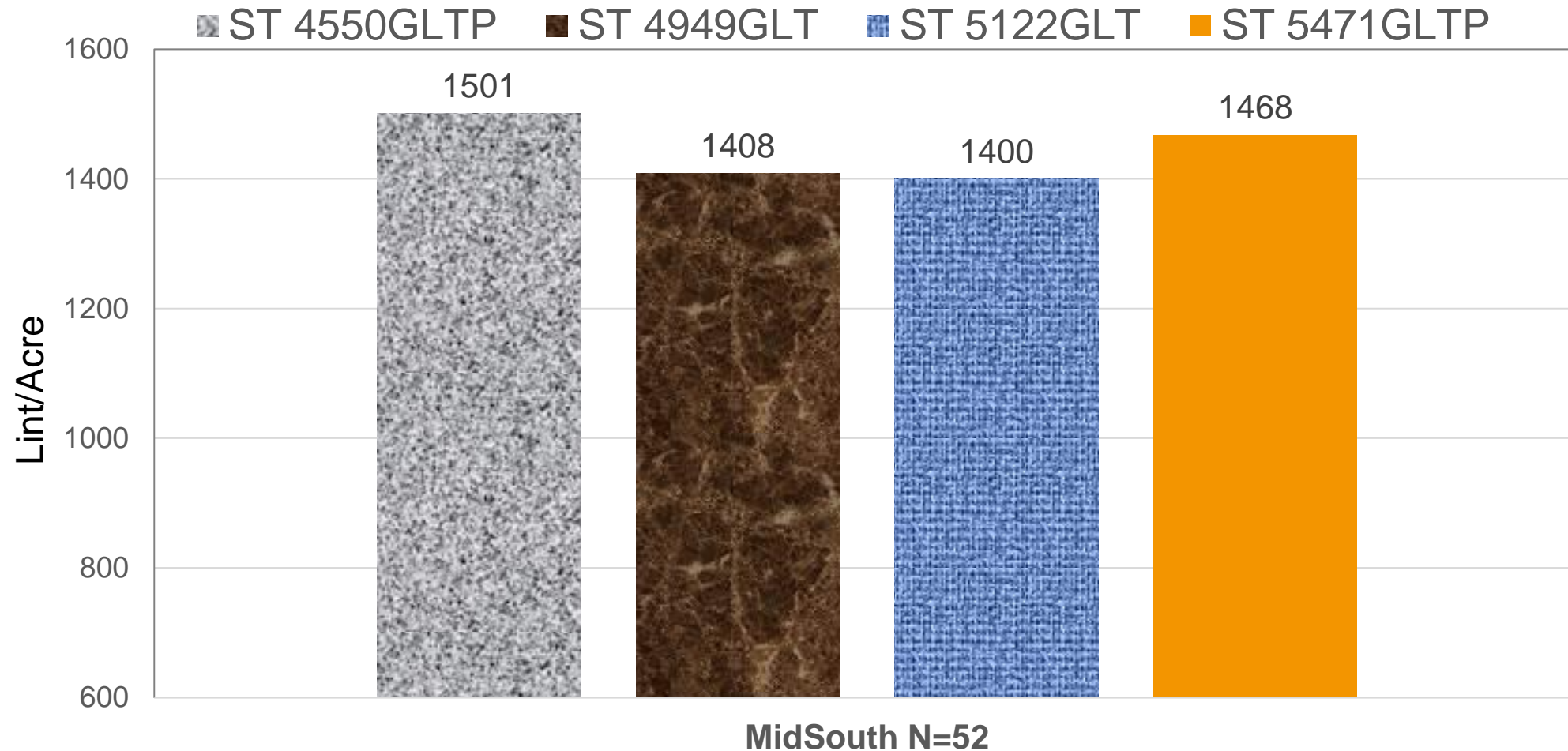
| Characteristic | Value |
|----------------|-------|
| Length         | 1.17  |
| Uniformity     | 83.9  |
| Strength       | 32.5  |
| Micronaire     | 4.48  |

| Characteristic              | Value       |
|-----------------------------|-------------|
| RKN/ <i>Fusarium Wilt</i>   | Fair        |
| <i>Verticillium Wilt</i>    | Fair        |
| Bacterial Blight Resistance | Susceptible |

| Characteristic      | Value                  |
|---------------------|------------------------|
| Storm Tolerance     | 5                      |
| Height/Growth Habit | Medium-Tall / Moderate |
| Leaf Pubescence     | Hairy                  |
| Maturity            | Early-mid              |

# ST 4550GLTP Cotton Performance 2018

## MidSouth



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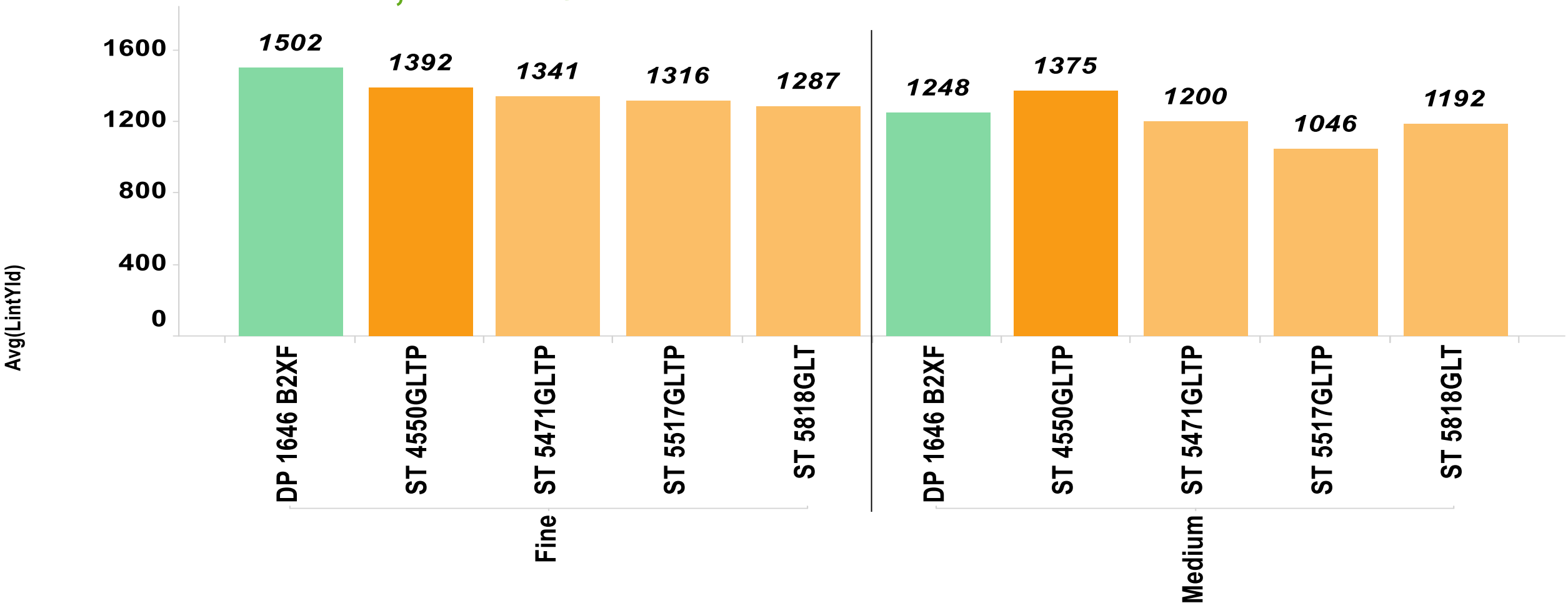
APT  
AGRONOMIC  
PERFORMANCE TRIAL

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# 2018 Variety Performance Summary

## Northeast Louisiana, Yield x Soil Texture



All Available trials (OVT, APT, Breeder, Core-Block) locations in Northeast LA. **Fine, N=5, Medium, N=4**



# Stoneville® ST 5600B2XF

- Texted as BX 1951NRB2XF
- Outstanding yield potential
- Good fiber package
- Med-full maturity
- Liberty®, Engenia® and glyphosate herbicide tolerant
- Two-gene worm protection

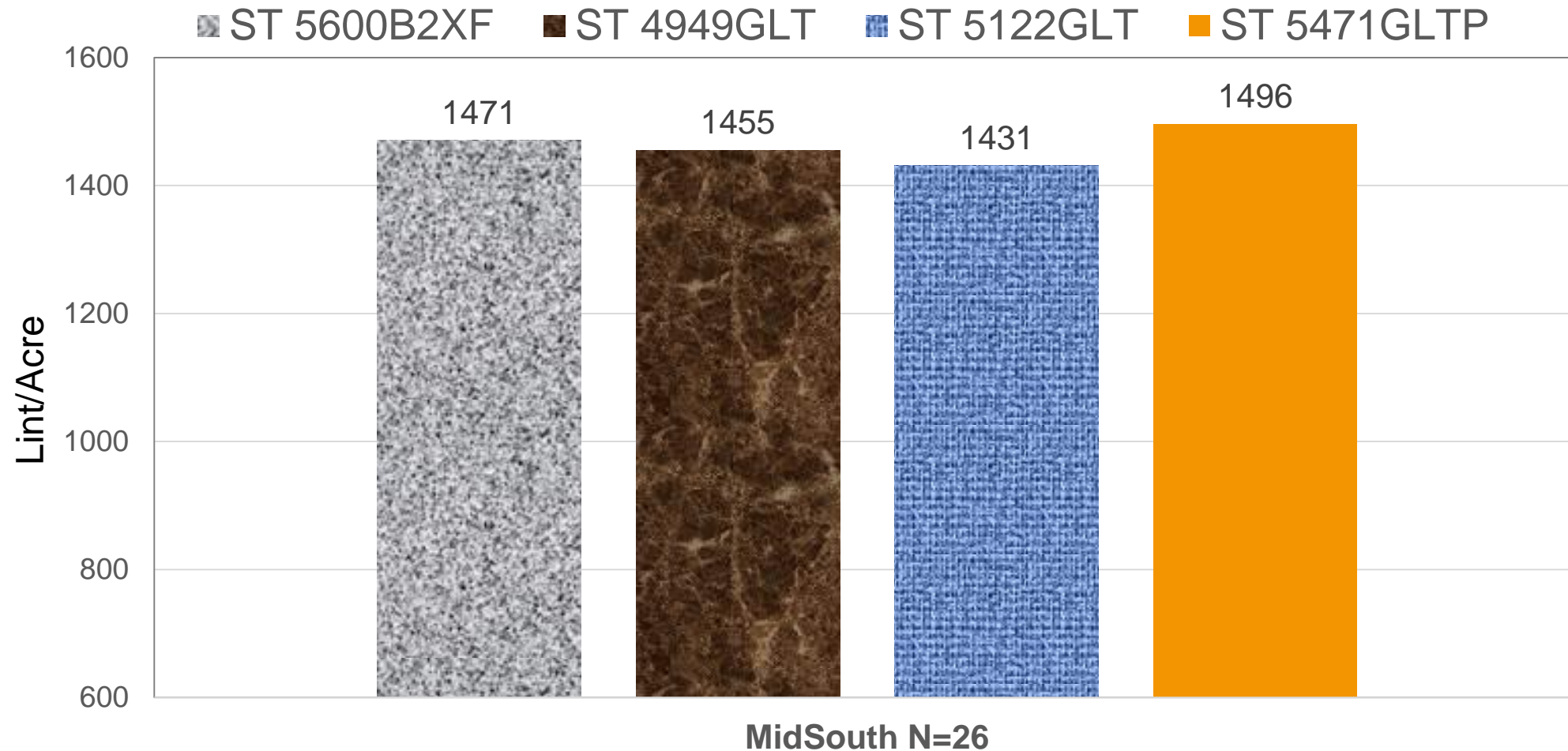
| Characteristic | Value |
|----------------|-------|
| Length         | 1.17  |
| Uniformity     | 82.9  |
| Strength       | 31.4  |
| Micronaire     | 4.66  |

| Characteristic              | Value       |
|-----------------------------|-------------|
| RKN/ <i>Fusarium Wilt</i>   | Good        |
| <i>Verticillium Wilt</i>    | Good        |
| Bacterial Blight Resistance | Susceptible |

| Characteristic      | Value               |
|---------------------|---------------------|
| Storm Tolerance     | 4                   |
| Height/Growth Habit | Medium/<br>Vigorous |
| Leaf Pubescence     | Semi-smooth         |
| Maturity            | Mid-full            |

# ST 5600B2XF Cotton Performance 2018

## MidSouth



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APT  
AGRONOMIC  
PERFORMANCE TRIAL

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\* Includes all available data as of 12/13/18

# Stoneville® Lineup

## PGR Requirement

**Low**

**Moderate**

**High**

**ST 4848GLT**

**ST 4550GLTP**

**ST 4949GLT**

**ST 5020GLT**

**ST 5600B2XF**

**ST 4946GLB2**

**ST 5517GLTP**

**ST 5707B2XF**

**ST 5122GLT**

**ST 6182GLT**

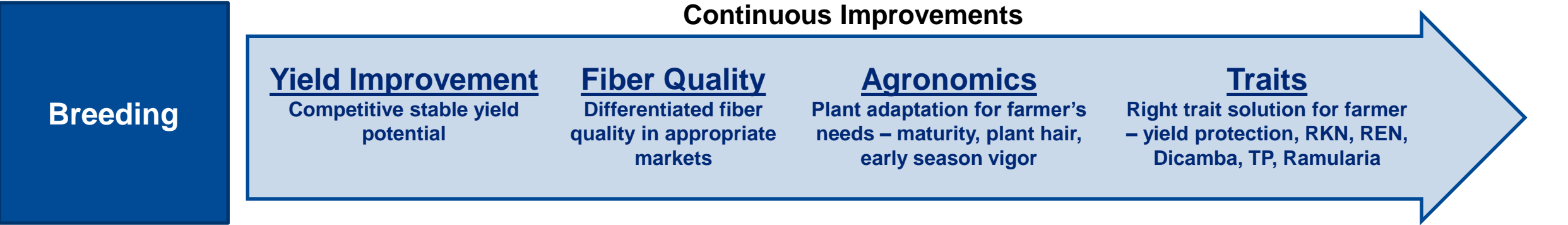
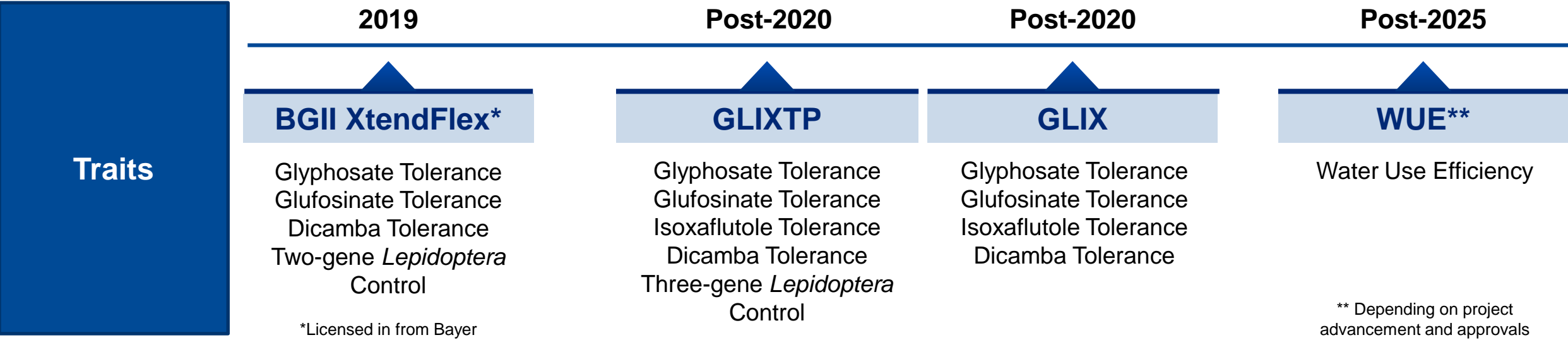
**ST 5471GLTP**

**ST 5818GLT**



# Future Opportunities in Cotton

Continued investment in research and breeding ensures a robust pipeline with lepidopteran and weed control options combined with breeding advantages of yield and native traits



Bollgard II XtendFlex is a registered trademark of Bayer



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