



# NC On-Farm Cotton Variety Evaluation Program

Developed and coordinated by NC State University's cotton agronomists Dr. Guy Collins and Dr. Keith Edmisten, your local county Extension agents and cooperating growers.

Supported by:



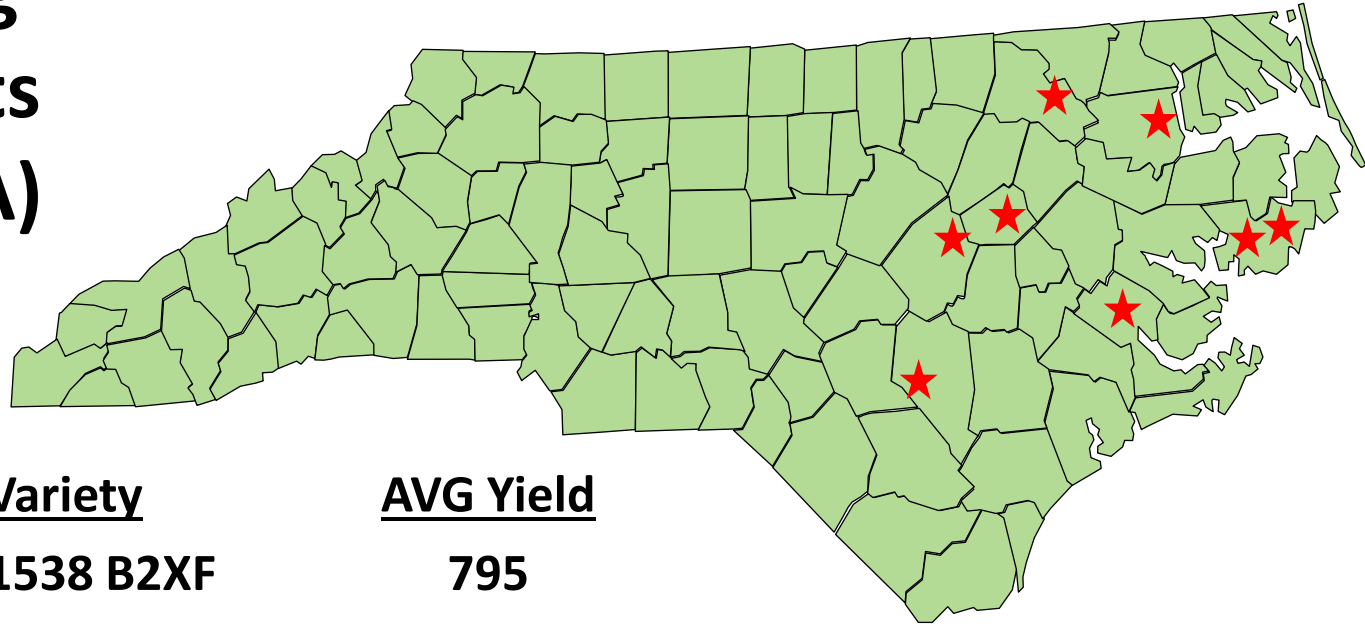
College of Agriculture  
and Life Sciences



# NC On-Farm Trials (Stability)

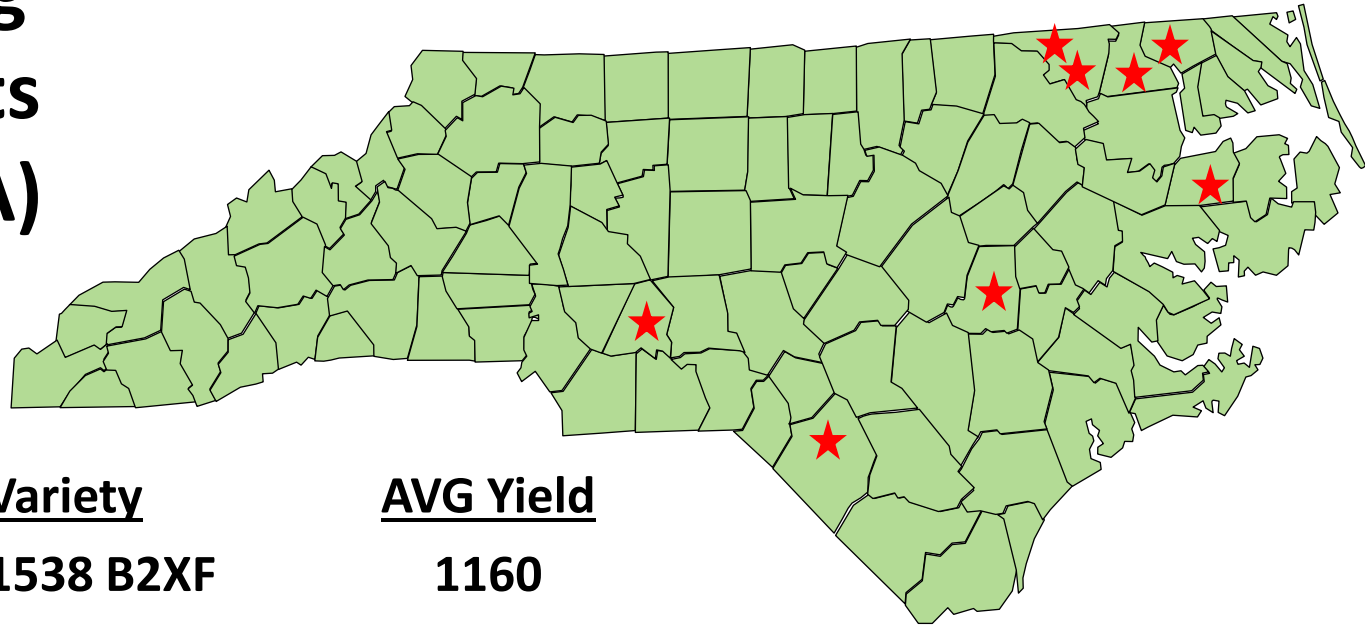
<b>Variety</b>	<b>Combined AVG Yield</b>	<b>% #1</b>	<b>% Top 2</b>	<b>% Top 3</b>
<b>DP 1538 B2XF</b>	<b>988</b>	<b>47</b>	<b>76</b>	<b>82</b>
<b>ST 4946 GLB2</b>	<b>948</b>	<b>12</b>	<b>29</b>	<b>47</b>
<b>DP 1522 B2XF</b>	<b>948</b>	<b>18</b>	<b>24</b>	<b>35</b>
<b>PHY 495 W3RF</b>	<b>925</b>	<b>6</b>	<b>18</b>	<b>35</b>
<b>PHY 333 WRF</b>	<b>906</b>	<b>6</b>	<b>24</b>	<b>35</b>
<b>PHY 444 WRF</b>	<b>900</b>	<b>12</b>	<b>12</b>	<b>29</b>
<b>DG 3385 B2XF</b>	<b>897</b>	<b>0</b>	<b>6</b>	<b>18</b>
<b>NG 3405 B2XF</b>	<b>880</b>	<b>0</b>	<b>0</b>	<b>6</b>
<b>ST 4747 GLB2</b>	<b>851</b>	<b>0</b>	<b>12</b>	<b>12</b>
<b>NG 3406 B2XF</b>	<b>847</b>	<b>0</b>	<b>0</b>	<b>0</b>

# Low Yielding Environments ( $< 1000$ lbs/A) 8 Trials



<u>Variety</u>	<u>AVG Yield</u>
DP 1538 B2XF	795
ST 4946 GLB2	737
DP 1522 B2XF	728
PHY 495 W3RF	713
PHY 333 WRF	701
DG 3385 B2XF	690
NG 3406 B2XF	667
PHY 444 WRF	666
NG 3405 B2XF	656
ST 4747 GLB2	639

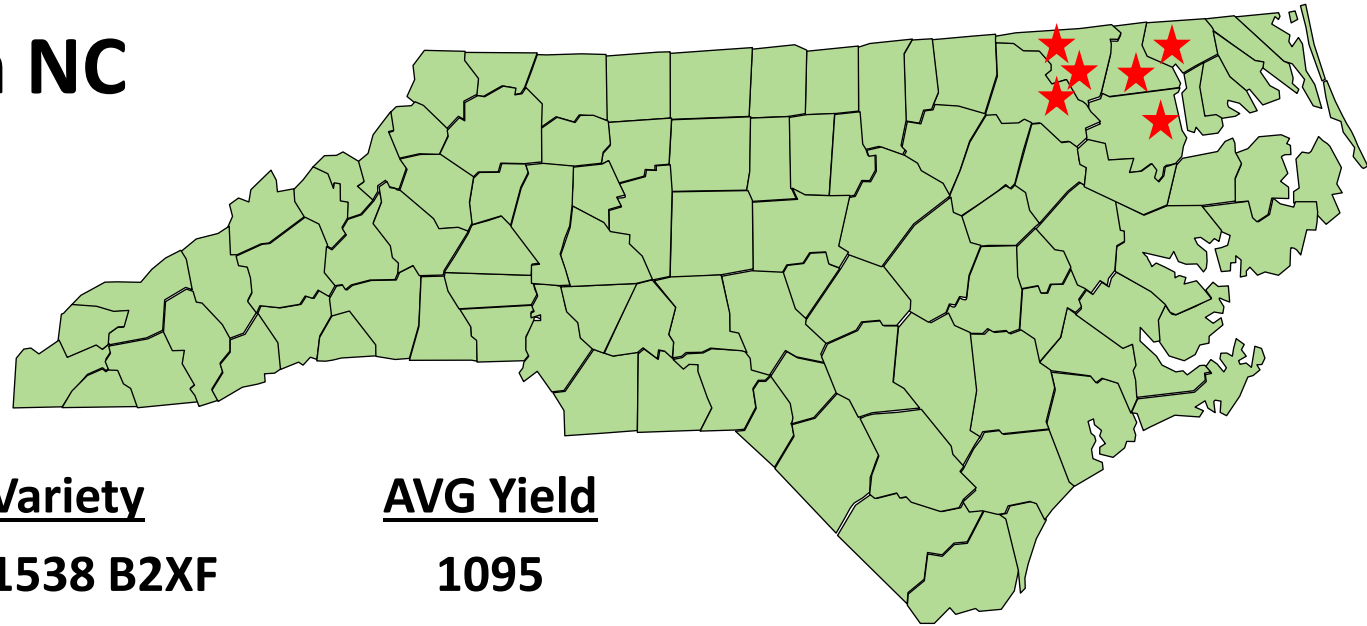
# High Yielding Environments (> 1000 lbs/A) 9 Trials



<u>Variety</u>	<u>AVG Yield</u>
DP 1538 B2XF	1160
DP 1522 B2XF	1143
ST 4946 GLB2	1136
PHY 495 W3RF	1115
PHY 444 WRF	1108
PHY 333 WRF	1089
DG 3385 B2XF	1080
NG 3405 B2XF	1078
ST 4747 GLB2	1040
NG 3406 B2XF	1007

# Northeastern NC

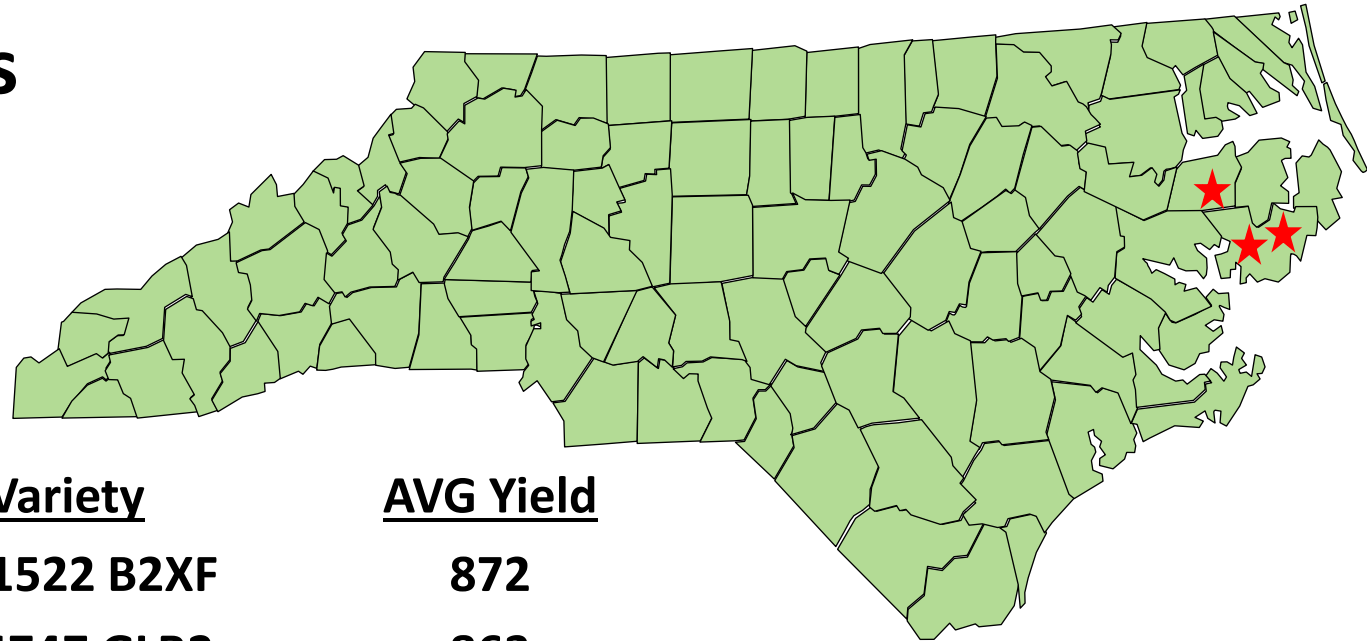
## 6 Trials



<u>Variety</u>	<u>AVG Yield</u>
DP 1538 B2XF	1095
ST 4946 GLB2	1039
DP 1522 B2XF	1027
PHY 333 WRF	1014
NG 3405 B2XF	998
PHY 495 W3RF	994
DG 3385 B2XF	989
PHY 444 WRF	988
ST 4747 GLB2	912
NG 3406 B2XF	909

# Blacklands

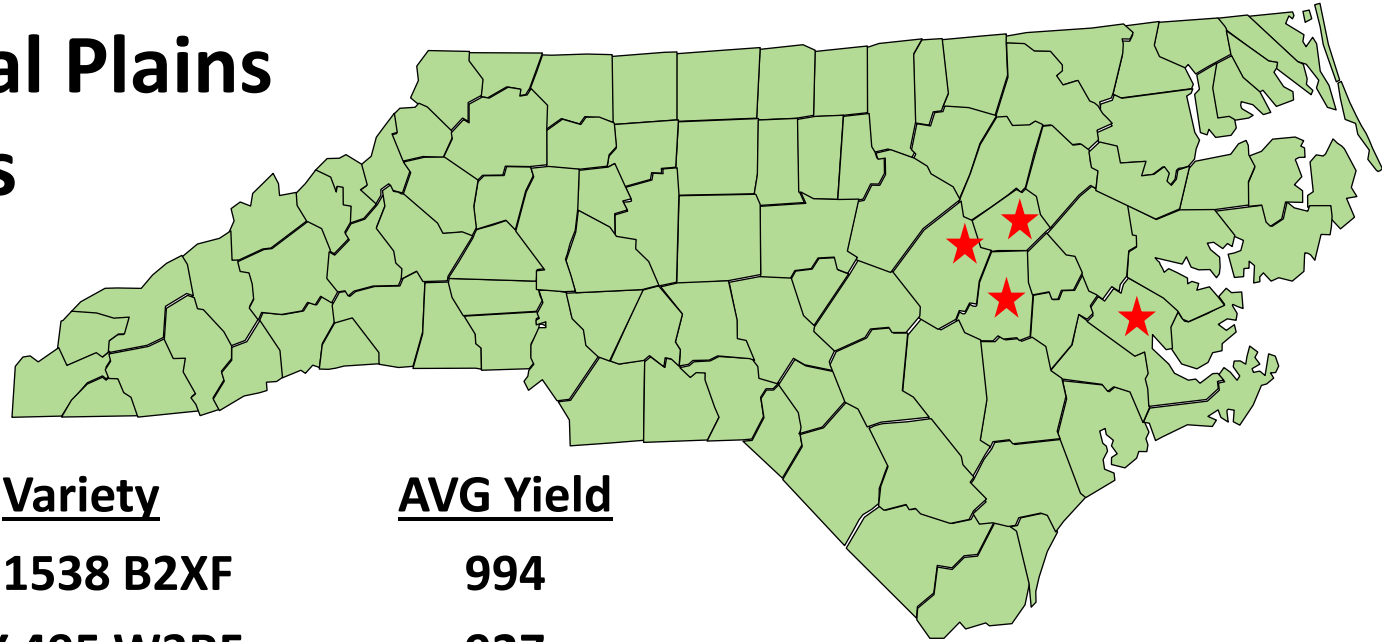
## 3 Trials



<u>Variety</u>	<u>AVG Yield</u>
DP 1522 B2XF	872
ST 4747 GLB2	863
DP 1538 B2XF	855
PHY 495 W3RF	836
PHY 333 WRF	818
DG 3385 B2XF	806
ST 4946 GLB2	798
NG 3405 B2XF	782
NG 3406 B2XF	779
PHY 444 WRF	759

# Central Coastal Plains

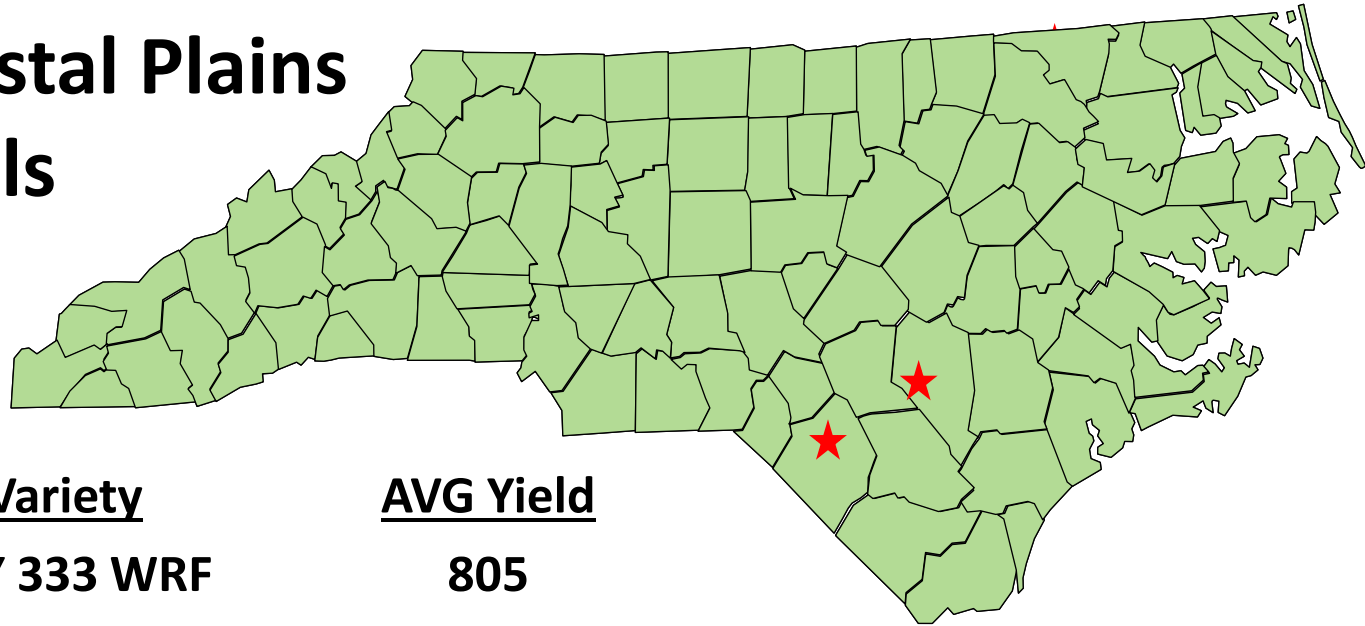
## 5 Trials



<u>Variety</u>	<u>AVG Yield</u>
DP 1538 B2XF	994
PHY 495 W3RF	927
ST 4946 GLB2	922
DP 1522 B2XF	913
PHY 444 WRF	878
NG 3405 B2XF	842
DG 3385 B2XF	837
NG 3406 B2XF	821
PHY 333 WRF	804
ST 4747 GLB2	778

# Southern Coastal Plains

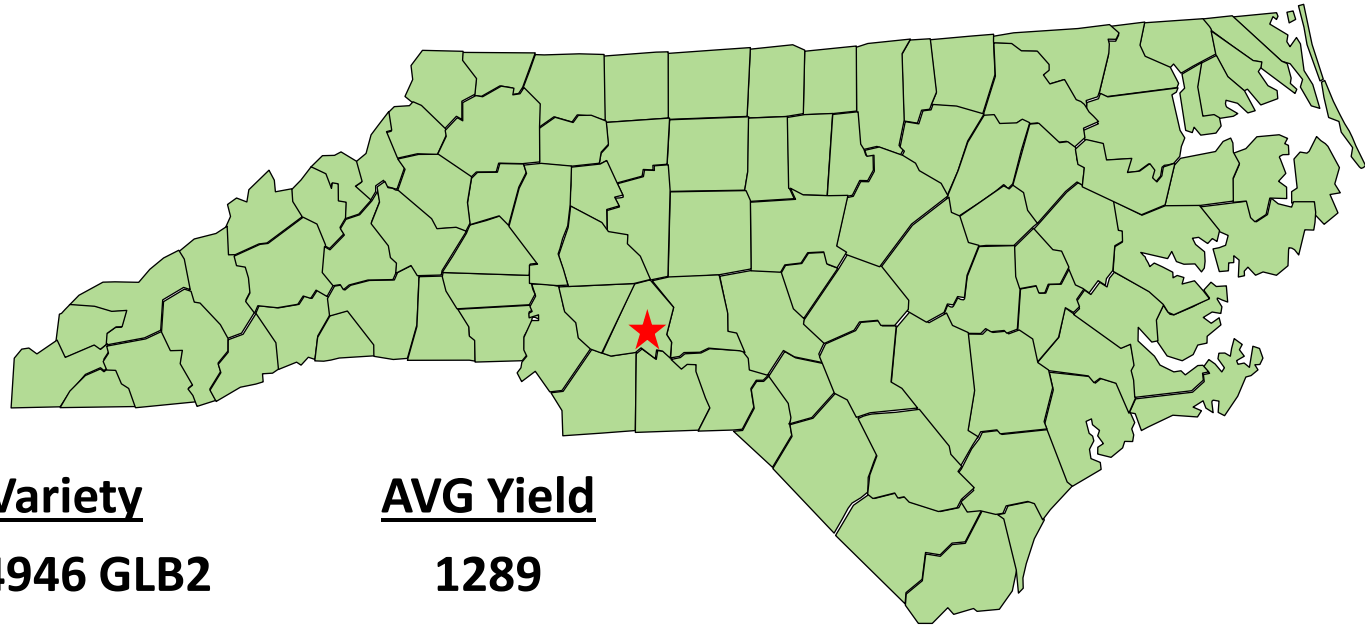
## 2 Trials



<u>Variety</u>	<u>AVG Yield</u>
PHY 333 WRF	805
ST 4946 GLB2	799
PHY 444 WRF	794
DP 1522 B2XF	774
DP 1538 B2XF	773
PHY 495 W3RF	757
DG 3385 B2XF	739
ST 4747 GLB2	735
NG 3406 B2XF	671
NG 3405 B2XF	661



# Piedmont 1 Trial



<u>Variety</u>	<u>AVG Yield</u>
ST 4946 GLB2	1289
PHY 333 WRF	1242
DG 3385 B2XF	1226
DP 1522 B2XF	1224
NG 3406 B2XF	1163
DP 1538 B2XF	1148
PHY 444 WRF	1118
PHY 495 W3RF	1112
NG 3405 B2XF	1081
ST 4747 GLB2	1049