



Stoneville.
Cotton

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Panhandle Short Course

Stoneville Variety Update

• EST. 1922 •

100

YEARS

STRONG



Stoneville®

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Cotton




NEW ST 5091B3XF

ENGENIA® HERBICIDE, LIBERTY® HERBICIDE AND GLYPHOSATE TOLERANT

Allows for excellent weed control with dicamba, glufosinate and glyphosate.

VARIETY ADVANTAGES

- Consistent high yielder
- Good fiber package
- Good plant type for all soils
- Three-gene lepidopteran resistance, which decreases the likelihood that additional worm control measures will be needed

ST 5091B3XF	XtendFlex®	Bollgard® 3
Variety Characteristics		
Leaf Pubescence		SEMI-SMOOTH
Maturity		EARLY-MID
Height/Growth Habit		MEDIUM/TALL
Storm Tolerance*		5
Disease Resistance		
RKN/ <i>Fusarium</i> Wilt Tolerance 		FAIR
<i>Verticillium</i> Wilt Tolerance 		FAIR
Bacterial Blight Resistance 		SUSCEPTIBLE
Fiber Quality		
Length		1.14
Uniformity		81.7
Strength		28.7
Micronaire		4.1

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NEW ST 4595B3XF

ENGENIA* HERBICIDE, LIBERTY* HERBICIDE AND GLYPHOSATE TOLERANT

Allows for excellent weed control with dicamba, glufosinate and glyphosate.

VARIETY ADVANTAGES

- Outstanding yield
- Good fiber package
- High turnout
- Easy to manage plant type
- Fits most soil types/very stable
- Three-gene lepidopteran resistance, which decreases the likelihood that additional worm control measures will be needed

ST 4595B3XF	XtendFlex*	Bollgard*3
Variety Characteristics		
Leaf Pubescence	SEMI-SMOOTH	
Maturity	EARLY-MID	
Height/Growth Habit	MEDIUM/MODERATE	
Storm Tolerance*	6	
Disease Resistance		
RKN/Fusarium Wilt Tolerance 	FAIR	
Verticillium Wilt Tolerance 	SUSCEPTIBLE	
Bacterial Blight Resistance 	SUSCEPTIBLE	
Fiber Quality		
Length	1.18	
Uniformity	82.5	
Strength	29.8	
Micronaire	4.25	

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ENGENIA® HERBICIDE, LIBERTY® HERBICIDE AND GLYPHOSATE TOLERANT

Allows for excellent weed control with dicamba, glufosinate and glyphosate.

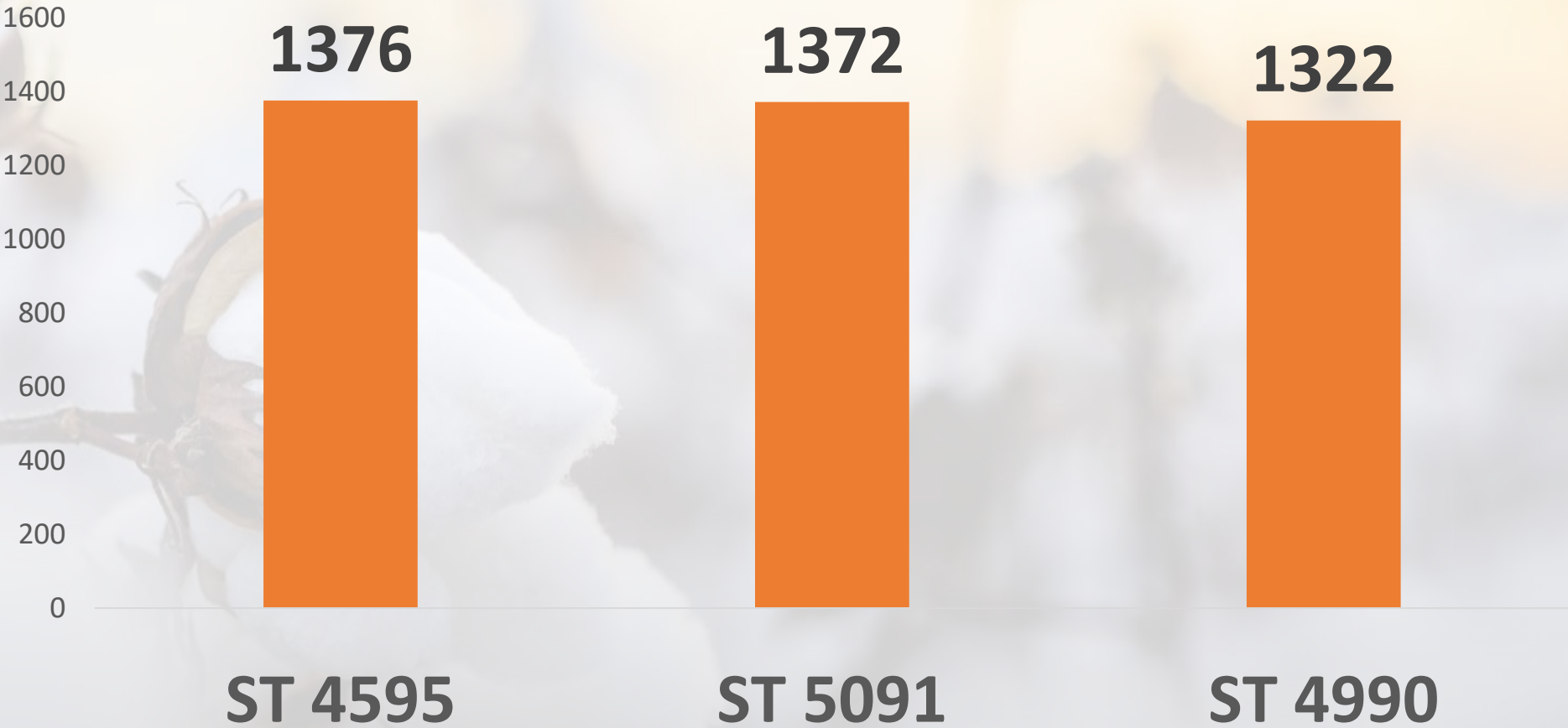
VARIETY ADVANTAGES

- Broad adaptability across the Cotton Belt
- Performs well in high-yielding environments
- Good fiber package
- Early-mid maturity
- Three-gene lepidopteran resistance, which decreases the likelihood that additional worm control measures will be needed

ST 4990B3XF

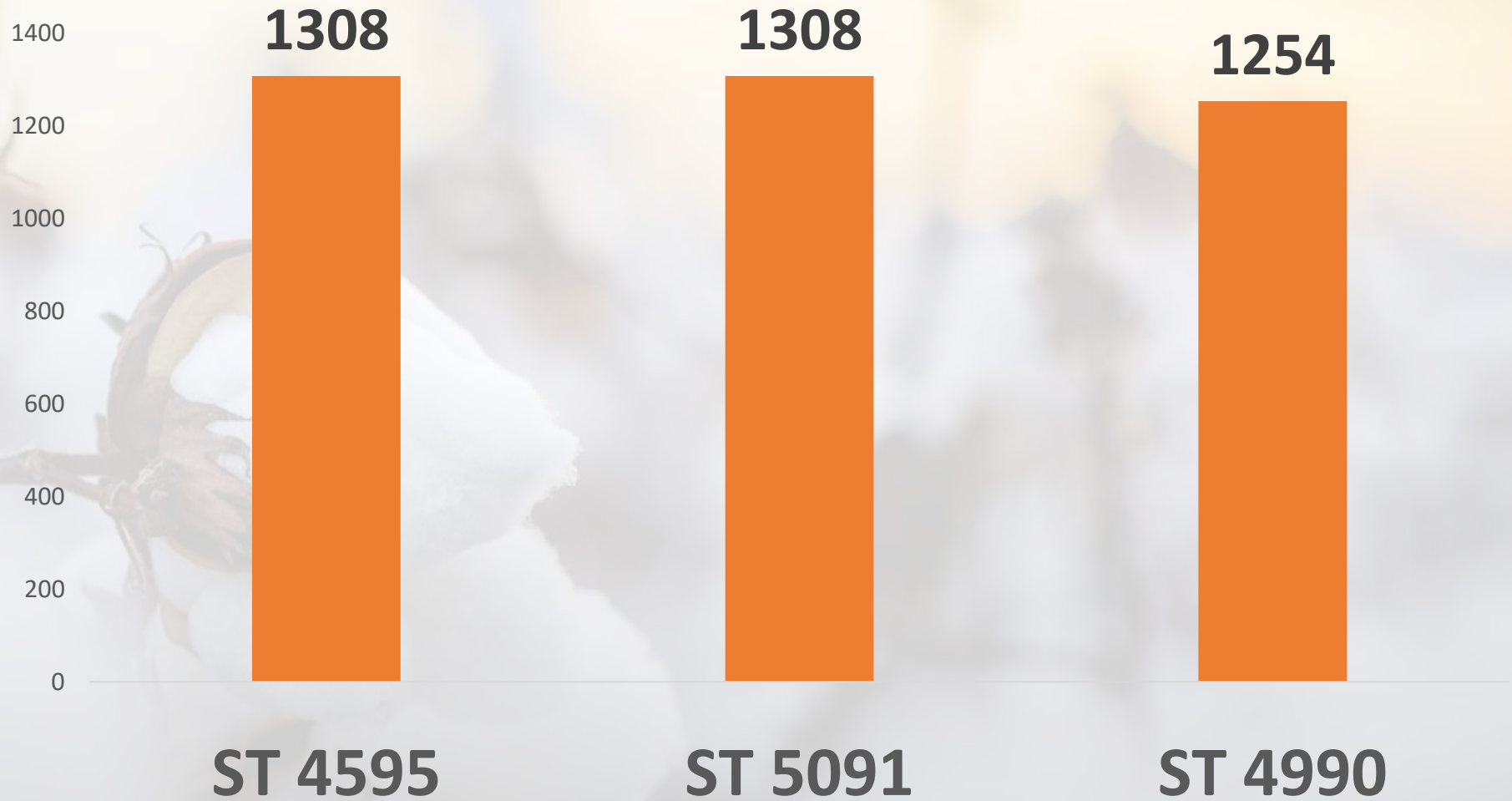
ST 4990B3XF	XtendFlex*	Bollgard® 3
Variety Characteristics		
Leaf Pubescence		SEMI-SMOOTH
Maturity		EARLY-MID
Height/Growth Habit		MEDIUM/MODERATE
Storm Tolerance*		4
Disease Resistance		
RKN/ <i>Fusarium</i> Wilt Tolerance 		FAIR
<i>Verticillium</i> Wilt Tolerance 		FAIR
Bacterial Blight Resistance 		SUSCEPTIBLE
Fiber Quality		
Length		1.18
Uniformity		83.5
Strength		30.3
Micronaire		4.4

2022 Stoneville APT Yields



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2 Year Stoneville APT Yields



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2022 On-Farm Cotton Variety Trial Results – FINAL

Camp Hand, Wade Parker, and Chandler Rowe

Variety	County (Lint yield per acre)																						All Loc. Avg.	LSD (P=0.1)	% Above Trial Avg.
	Macon DRY	Wilcox DRY	Tift DRY	Oconee DRY	Telfair IRR	Toombs IRR	Lowndes DRY	Sumter IRR	Cook IRR	Miller IRR	Mitchell IRR	Jeff Davis IRR	Tattnall DRY	Worth IRR	Seminole IRR	Burke DRY	Bulloch IRR	Dooley IRR	Pulaski IRR	Burke IRR	Colquitt IRR	Jenkins IRR			
DG 3799 B3XF	625	826	1174	767	1147	1040	1151	1275	1196	1363	1201	1355	1313	1351	1620	1508	1694	1633	1460	1671	1581	1949	1314	a	86
DP 2038 B3XF	652	886	814	1114	1072	1037	1082	1109	1090	1259	1312	1299	1311	1416	1554	1406	1435	1486	1478	1473	1572	1897	1262	b	73
ST 5091 B3XF	631	661	890	1021	1220	1189	1192	1192	1171	1333	1318	1232	1272	1201	1400	1409	1465	1580	1610	1458	1426	1848	1260	bc	68
AR 9831 B3XF	606	683	1090	1050	1007	1127	1182	1203	1118	1163	1197	1377	1338	1269	1467	1470	1435	1303	1463	1526	1768	1839	1258	bc	64
DP 2127 B3XF	605	903	635	1327	1023	1221	1154	1132	1003	1297	1323	1227	1370	1340	1356	1389	1461	1597	1553	1499	1427	1778	1255	bc	59
DP 1646 B2XF	508	833	847	1000	1220	1057	1140	1142	1375	1295	1443	1155	1123	1581	1476	1423	1462	1377	1527	1449	1456	1673	1253	bc	55
NG 3195 B3XF	620	860	1107	1219	1061	1170	1163	1125	1228	1213	1223	1225	1282	1260	1309	1373	1308	1367	1457	1527	1428	1618	1234	bcd	41
ST 4595 B3XF	656	838	617	1039	1056	1190	1028	1061	1130	1279	1313	1137	1297	1284	1289	1417	1375	1419	1541	1494	1461	1803	1215	cde	45
AR 9371 B3XF	655	790	1001	1066	909	1122	1047	1155	1140	1187	1123	1198	1202	1228	1261	1370	1457	1411	1425	1487	1536	1706	1204	de	41
NG 4190 B3XF	646	747	956	1031	1105	998	1006	1135	1063	1055	1116	1163	1278	1189	1206	1358	1373	1384	1395	1364	1518	1650	1170	ef	27
PHY 400 W3FE	593	853	825	1021	1004	1023	1049	1063	1030	1182	1266	1220	1156	1178	1303	1340	1285	1298	1386	1338	1265	1641	1151	f	9
PHY 545 W3FE	601	686	968	825	1065	1141	1137	1024	1118	1035	1049	1332	1219	1134	1179	1296	1191	1324	1215	1324	1457	1596	1133	f	18
	617	797	910	1040	1074	1110	1111	1135	1139	1222	1240	1243	1263	1286	1368	1397	1412	1432	1459	1468	1491	1750			

DRY – Dryland

IRR – Irrigated

Bolded varieties – Top yielding group

Shaded green and green font – Above location average

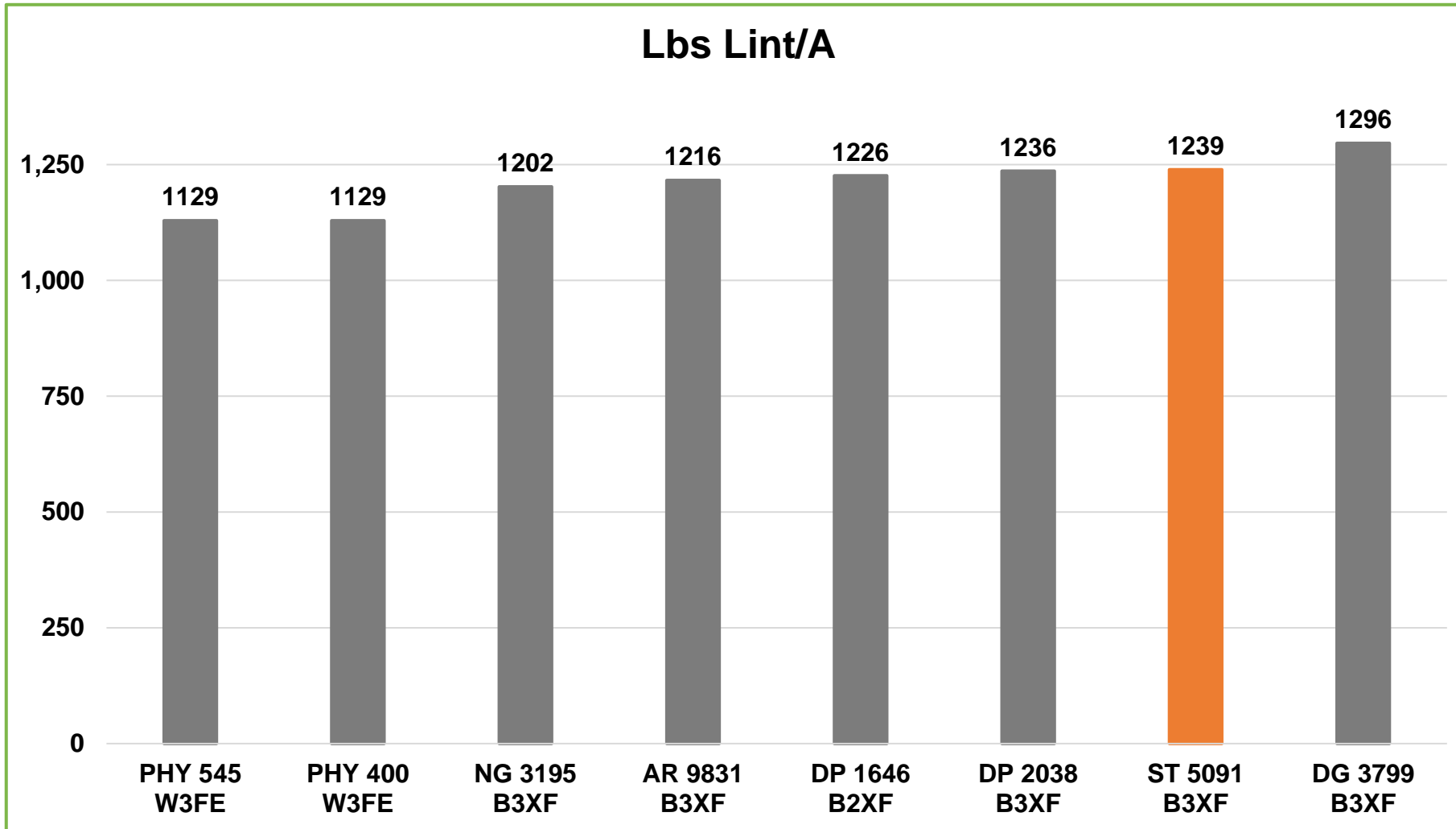
Red line (between Miller and Mitchell) represents the overall trial average (1,226 lbs/acre)

Contact your local UGA County Extension Agent for more information on variety selection and performance.

2021/2022 COMBINED UGA On-farm Variety Trial Yield Results

Statewide Average

47 Locations



Variety	Yield (lb/A)
DG 3799 B3XF	1296
ST 5091 B3XF	1239
DP 2038 B3XF	1236
DP 1646 B2XF	1226
AR 9831 B3XF	1216
NG 3195 B3XF	1202
PHY 400 W3FE	1129
PHY 545 W3FE	1129
Yield Average	1209

Table 8. Cotton Lint Yield and Fiber Quality Means of Roundup Ready® Xtend and Enlist® tolerant varieties Across 6 Farm Locations-South.

Locations: Baldwin (2), Henry, Lee, Macon, and Shelby Counties in Alabama.

VARIETY	Rank	Lint Yield (lbs/Acre)	Lint Turn-Out (%)	Leaf	Mic.	Length (in.)	Strength (g/tex)	Uniformity (%)
ST 4595 B3XF	1	1264	41.2					
DP 2127 B3XF	2	1233	41.3					
DG 3615 B3XF	3	1224	41.3					
DP 2038 B3XF	4	1221	43.8					
ST 5091 B3XF	5	1191	41.3					
NG 4190 B3XF	6	1190	40.7					
NG 3195 B3XF	7	1188	40.4					
PHY 411 W3FE	8	1169	40.2					
PHY 443 W3FE	9	1161	40.6					
DP 2020 B3XF	10	1156	39.3					
PHY 400 W3FE	11	1147	41.2					
DG H959 B3XF	12	1119	40.2					

Stoneville® Lineup

PGR Requirement

Low

Moderate

High

ST 4595B3XF

ST 4990B3XF

ST 5091B3XF

This is a guide that references our knowledge and observations on each varieties growth habit. Specific field PGR recommendations should consider, field history, growing environment, and plant growth in addition to this guide. Guide is Based on Average growing conditions in Southeast.

Low –May not need PGR prior to bloom and low-moderate rates and # of applications during bloom

Moderate – may need low-moderate rates prior to bloom and low-moderate rates and # applications during bloom

High – may need moderate – high rates and multiple applications prior to bloom, moderate – high rates and # applications during bloom

The first and only

QUAD
STACK

Axant™
Herbicide trait

Enables use of Alite™ 27 herbicide¹

XtendLink®

Enables use of Engenia® herbicide

LibertyLink®

Enables use of Liberty® herbicide

GlyTol®

Enables use of glyphosate herbicide

Four GM herbicide-resistant traits and three insect control traits introgressed into high-yielding genetics of select FiberMax® and Stoneville® cotton seed varieties potentially for the 2024 growing season¹.

¹Availability of cotton seed containing the Axant™ Flex technology for the 2024 growing season and beyond is subject to many factors, and such seed may not be available in all cotton-growing areas. Commercial sales of cotton seed containing the Axant™ Flex technology will be subject to contractual terms and conditions and stewardship obligations, which may include among other requirements restrictions on where the crop resulting from such seed may be sold, transferred and/or exported. Alite™ 27 herbicide (EPA Reg. No. 7969-433) is not registered for use on isoxaflutole-resistant cotton nor available for sale for such use. Information on using Alite 27 herbicide on isoxaflutole-resistant cotton is provided for educational purposes only and is not intended to promote the sale of this product. Any sale of Alite 27 herbicide after registration is obtained for use on isoxaflutole-resistant cotton shall be based solely on the EPA-approved product label, and any claims regarding product safety and efficacy shall be addressed solely by the label.

Alite 27 and Engenia herbicides are US EPA Restricted Use Pesticides. Always read and follow label directions.

Internal

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