

2016 Uniform Large Plot County Cotton Variety Trial

County: St. Francis

Agent: Cody Griffin

Cooperator: Joe Whittenton

Location: Yocona Rd.

Previous Crop: Cotton

Soil Type: Loring Silt Loam

Objective: Evaluate cotton varieties under farm level management. Determine local yield potential and disease and insect reaction of commercially available varieties.



Results:

2016 County Large Plot Variety Tests								
Lint Yield (lb/A)								
Variety	Ashley Co.	Poinsett Co.	Craighead Co.	Lee Co.	St. Francis Co.	Mississippi Co.	Average	
DP 1518 B2XF	1253 a	1395 ab	1147 abc	1717 ab	1217 ab	1521 a	1375	
NG 3406 B2XF	1087 cd	1280 ab	1303 a	1591 bc	1338 a	1271 b	1312	
DG 3385 B2XF	1045 de	1388 ab	1285 a	1606 bc	1164 a-d	1355 b	1307	
DP 1522 B2XF	1172 b	1401 a	1049 bcd	1797 a	1124 a-d	1289 b	1305	
NG 3522 B2XF	1111 c	1187 abc	1169 abc	1819 a	1239 ab	1213 bcd	1290	
ST 4946 GLB2	940 f	1234 ab	1215 ab	1734 ab	1297 a	1251 bc	1279	
PHY 312 WRF	1118 bc	1247 ab	1126 abc	1670 ab	1192 abc	1213 bcd	1261	
PHY 333 WRF	1109 c	1251 ab	1064 bcd	1691 ab	1107 a-d	1114 cd	1223	
ST 4848 GLT	1074 cd	1241 ab	903 de	1614 bc	974 cd	1313 b	1187	
ST 5115GLT	1004 e	1004 c	1000 cd	1513 c	1064 bcd	1093 d	1113	
DG 3544 B2XF	854 g	1176 bc	785 e	1501 c	947 d	1102 cd	1061	
Prob > F	0.0001	0.0314	0.0002	0.0021	0.0326	0.0002		
LSD (0.05)	59.160	222.150	184.87	155.510	231.88	157.43		
CV	3.83	12.19	9.91	6.49	13.95	8.73		

Cotton Research Verification Program Budget Data Sheet						County: St. Francis		Acres in Verification Trial: 9.5													
						Agent: Cody Griffin		Variety: DP 1518 B2XF													
						Cooperator: Joe Whittenton		Previous Crop: Cotton													
						Soil Type: Loring Silt Loam		Prev. Crop Yield: 1214 Lint lb/A													
						Irrigation Type: Pivot		Harvest Date: 10/23/2016													
						Planting Date: 5/9/2016		Yield: 1121 Lint lb/A													
						Date of First Bloom: 7/9/2016															
Other Comments:						Conder's NT Cover															
Rain Amount and Date:						5/9/2016	.09"	5/10/2016	.52"	5/19/2016	.06"	5/28/2016	4.25"	5/31/2016	.70"	6/1/2016	.06"				
						6/3/2016	.25"	6/8/2016	1.35"	6/27/2016	.64"	6/28/2016	.48"	7/4/2016	.48"	7/7/2016	.28"				
						7/12/2016	.42"	7/14/2016	.17"	7/20/2016	.11"	7/27/2016	1.80"	7/31/2016	.48"	8/14/2016	.10"				
						8/19/2016	1.65"	8/22/2016	.30"												
Irrigation Amount and Date:						6/22/16	.50"	7/14/2016	.70"	7/19/2016	.70"	7/24/2016	.70"	8/10/2016	.70"						
DATE	OPERATION	TRACTORS & SELF PROPELLED EQUIPMENT				MATERIAL, LABOR, OR MISCELLANEOUS															
		BRAND & MODEL NO.	HP (PTO)	EQUIPMENT WIDTH	TIMES OVER	CHEMICAL TRADE NAME OR ITEM	UNITS (pts, lbs, etc.)	TOTAL UNITS APPLIED	PRODUCT RATE PER ACRE	PRICE PER UNIT	ACRES COVERED										
9/17/2015	Seeded Cover Crop	Airplane			1	Cereal Rye	lbs.	570	60		9.5										
10/14/2015	Shredded Stalks	JD 8310R	261	6 Row	1						9.5										
3/19/2016	Herbicide	4730 HiBoy	245	100'	1	Glyphosate	pts.	28.5	3		9.5										
	Herbicide					First Shot	oz.	5.7	0.6		9.5										
	Herbicide					Banvel	oz.	76	8		9.5										
	Herbicide					Select	oz.	47.5	5		9.5										
	Surfactant					AMS Custom Blend	oz.	48.64	5.12		9.5										
4/8/2016	Fertilizer	Spreader			1	N-P-K-S-B			4.0-16.0-32.0-4.0-1.0	Delivered	9.5										
4/18/2016	Rolled	JD 8320R	263	12 Row	1						9.5										
5/9/2016	Planter	JD 8310R	261	12 Row	1	DP 1518 B2XF Acceleron Std ST	seed		48,000		9.5										
	Herbicide					Gramoxone	pts.	19	2		9.5										
	Herbicide					Caporal	pt.	9.5	1		9.5										
	Surfactant					AMS	oz.	60.8	6.4		9.5										
6/8/2016	Herbicide	4730 Sprayer	245	100'	1	Liberty	oz.	304	32		9.5										
	Herbicide					Dual	pts.	9.5	1		9.5										
6/9/2016	Liquid Knife	JD 8235 R	192	12 Row	1	32% Nitrogen	lb.	539.6	56.8		9.5										
6/22/2016	Liquid Knife	JD 8235 R	192	12 Row	1	32% Nitrogen	lb.	539.6	56.8		9.5										
6/29/2016	FurrowRunner	JD 6140R	154	12 Row	1						9.5										
7/6/2016	Insecticide	Airplane			1	Orthene	lb.	9.5	1		9.5										
	PGR					Pix	oz.	76	8		9.5										
	Fertilizer Buggy	JD 6140R	154	12 Row	1	AMS Custom Blend N-P-K			0.0-0.0-60.0	Delivered	9.5										
7/18/2016	Insecticide	4730 Sprayer	245	100'	1	Orthene	lb.	4.75	0.5		9.5										
	PGR					Pix	oz.	152	16		9.5										
7/28/2016	Insecticide	Airplane			1	Transform	oz.	19	2		9.5										
	PGR					Pix	oz.	190	20		9.5										
8/9/2016	Insecticide	4730 Sprayer	245	100' Boom	1	Ravage	oz.	38	4		9.5										
	PGR					Pix	oz.	228	24		9.5										
9/20/2016	Harvest Aid	Airplane @8GPA			1	Finish	oz.	101.365	10.67		9.5										
	Harvest Aid	Airplane @8GPA				Dropp	oz.	40.565	4.27		9.5										
9/27/2016	Harvest Aid	Airplane @8GPA			1	Dropp	oz.	22.135	2.33		9.5										
	Harvest Aid					Prep	oz.	405.365	42.67		9.5										
10/23/2016	JD Round Module			6 Row	1	Include Plastic Wrap					9.5										

