

## Southeast Alabama On Farm Cotton Variety Trials – 2009

Variety	Covington County	Henry County	Houston County	Dale County	Barbour County	Clay County, Ga.	Geneva County	<u>Average Lbs / ac</u>
DP 0949 B2RF	915	1424*	1208	1556*	1631	1396	1023	<b>1308</b>
DP 0912 B2RF	859	1136*	1006	1656*	1619	1373	***	<b>1275</b>
DP 0935 B2RF	877	1155*	1125	1739*	1675	1317	939	<b>1261</b>
FM 1740 B2RF	1176	1084*	1138	1522*	1561	1267	900	<b>1235</b>
DP 0924 B2RF	854	1055*	1111	1677*	1687	1290	896	<b>1224</b>
DP 174 RF	1052	1234*	1226	1280*	1480	852 ^^^	***	<b>1187</b>
ST 5458 B2RF	1011	836*	1154	1417*	1694	1221	783	<b>1159</b>
ST 4288 B2RF	1043	868*	1188	1368*	1616	1114	910	<b>1158</b>
ST 5288 B2RF	915	934*	1104	1408*	1652	1257	792	<b>1152</b>
PHY 375 WRF	892	1014*	971	1536*	1618	1215	798	<b>1149</b>
DP 0920 B2RF	953	896*	1058	**	1552	1349	924	<b>1122</b>
DG 09304 B2RF	916	1062*	935	1334*	1360	1244	878 *	<b>1104</b>
PHY 370 WRR	975	***	999	**	1529	1204	772	<b>1096</b>
DG 2570 B2RF	993	856*	979	**	1538	1346	688	<b>1067</b>
PHY 485 WRF	922	930*	996	1294*	1518	947	818	<b>1061</b>
PHY 480 WRR	905	817*	953	**	1445	1016	823	<b>993</b>
PHY 565 WRF	885	-	-	-	-	-	-	Not averaged due to not enough sites
PHY 5922 WRF	988	-	-	-	-	-	-	Not averaged due to not enough sites

Single rep of variety = \*

Yield lost due to rain during harvesting of test plot = \*\*

Variety culled due to problem or not included in test due to lack of space = \*\*\*

^^^ = worm problem noted in this trial

All Variety yields analyzed with percent lint from Auburn Micro Gin

HVI data will be forthcoming

Location	Planting Date	Harvest Date
Covington County, AL	June 11, 2009	December 30, 2009
Henry County, AL	May 1, 2009	November 16, 2009
Houston County, AL	May 14, 2009	December 23, 2009
Barbour County, AL	May 14, 2009	December 6, 2009
Geneva County, AL	May 5, 2009	October 26, 2009
Clay County, GA	April 30, 2009	November 7, 2009
Dale County, AL	May 20, 2009	November 30, 2009

ST – Stoneville Seed

FM – Fiber Max seed

DP – Delta and Pine Land

PHY – Phytogen Seed

DG – Dyna - Grow Seed

## Seed Treatment Test – Barbour County / Covington County

Treatment	Yield - Barbour Co. Lbs / acre	Yield – Covington Co. Lbs / acre	Yield Average of locations
Avicta	1474	395	935
Aeris	1482	446	964
Gaicho	1548	449	999
Temik 5 lb (if)	1498	572	1035

Variety for seed treatment test – Stoneville 5458 B2RF (Average yield of three replications / treatment – Barbour Co., Yield for Covington Co. was average of two replications / treatment)

Planting Dates: Barbour – June 5, 2009, Covington – June 11, 2009

Harvest Dates: Barbour – December 7, 2009, Covington – January 11, 2010

### Comparison of the New Phytogen Full Season Varieties with ST 5458 in the Barbour County Seed Treatment Trial

Variety	Yield / Acre (lbs) *
PHY 565 B2RF	1645
PHY 5922 B2RF	1596
ST 5458 B2RF	1498

\*Average of two replications per Phytogen Varieties vs. average of three replications of the ST 5458 variety. All received Temik in furrow at 5 lbs / acre.

Planting Date: June 5, 2009

Harvested: December 7, 2009

All Testing conducted with cooperation of farmers in the respective counties and the seed companies donating seed and technology. Special thanks to Delta and Pine Land Company, Fiber Max Seed Company, Phytogen Seed Company, Syngenta, Bayer Crop Science, Monsanto and Dyna Grow Seed Company.

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