



Cultivar Performance and Evaluation in the Mid-South

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RR Flex – First Impressions

- Weed control and “system” was well received.
- Only 10% of total acres in LA, but many farmers tried some.
- Quality is good.
- Still questions about yield



FM 9063 B2RF

DP 117 B2RF





2006 LA On-Farm Flex Results



VARIETY	E.C.	Oua.	R.R.	Rap.	Avoy.	P.C.	MEAN
DP 117 B2RF	1446	950	679	1274	**	1212	1112
ST 4554B2RF	1448	834	780	1242	1094	1144	1090
PHY 485 WRF	1490	881	819	1268	946	1109	1085
PHY 425 RF	1304	725	695	1397	1072	1148	1057
DP 143 B2RF	1370	821	809	1284	897	1024	1034
DP 164 B2RF	1300	880	845	1220	961	904	1018
BW 4630 B2RF	1338	671	523	1444	1017	1045	1006
FM 9063 B2RF	1208	715	671	1183	1008	1003	965
ST 6611B2RF	1397	766	713	1001	864	878	936

2006 LA On-Farm Flex Results



VARIETY	lb/acre	Lint %
DP 117 B2RF	1112	38.6
PHY 485 WRF	1090	39.4
ST 4554B2RF	1085	39.1
PHY 425 RF	1057	38.3
DP 143 B2RF	1034	37.7
DP 164 B2RF	1018	37.0
BW 4630 B2RF	1006	37.5
FM 9063 B2RF	965	36.9
ST 6611B2RF	936	35.1

2006 LA On-Farm Flex Results



VARIETY	E.C.	Oua.	R.R.	Rap.	Avoy.	P.C.	MEAN
DP 117 B2RF	3	1	7	4	**	1	3.2
ST 4554B2RF	1	2	2	5	6	4	3.3
PHY 485 WRF	2	4	4	6	2	3	3.5
PHY 425 RF	5	6	6	2	1	2	3.6
DP 143 B2RF	4	5	3	3	7	6	4.7
DP 164 B2RF	7	3	1	7	5	8	5.2
BW 4630 B2RF	6	9	9	1	3	5	5.5
FM 9063 B2RF	8	7	8	8	4	7	7.0
ST 6611B2RF	3	8	5	9	8	9	7.0

2006 Red River Parish

Non-Irrigated and Drought Stress



VARIETY	lb/acre	Lint %
DP 555 BG/RR	1063	42.6
DP 164 B2RF	845	39.3
ST 4554B2RF	819	39.6
DP 143 B2RF	809	40.0
FM 9060 RF	791	40.4
PHY 485 WRF	780	39.8
ST 6611B2RF	713	37.1
PHY 425 RF	695	39.0
DP 117 B2RF	679	39.5
FM 9063 B2RF	671	38.7
BW 4063 B2RF	523	40.0

Alexandria, LA OVT

Two-Year EARLY Flex (2005,2006)



VARIETY	lb/acre	VARIETY	lb/acre
ST 5242BR	1586	DP 110 RF	1337
DP 444 BG/RR	1529	DG 2242 B2RF	1318
DP 555 BG/RR	1476	CG 3020 B2RF	1299
PHY 485 WRF	1444	CG 3520 B2RF	1290
ST 5599BR	1443	PHY 425 RF	1286
DP 117 B2RF	1419	BW 3255 B2RF	1243
ST 4554B2RF	1411	BW 4021 B2RF	1236
ST 4664RF	1374	DG 2215 B2RF	1197
CG 4020 B2RF	1351	DG 2100 B2RF	1193
FM 960 BR	1340		

Alexandria, LA OVT

Two-Year MEDIUM Flex (2005,2006)



VARIETY	lb/acre
DP 555 BG/RR	1667
ST 5599BR	1576
DG 2520 B2RF	1442
DP 147 RF	1400
ST 5242BR	1397
DP 143 B2RF	1357
ST 6622RF	1342
DP 444 BG/RR	1328
DP 167 RF	1306
DP 164 B2RF	1305
ST 6611B2RF	1236

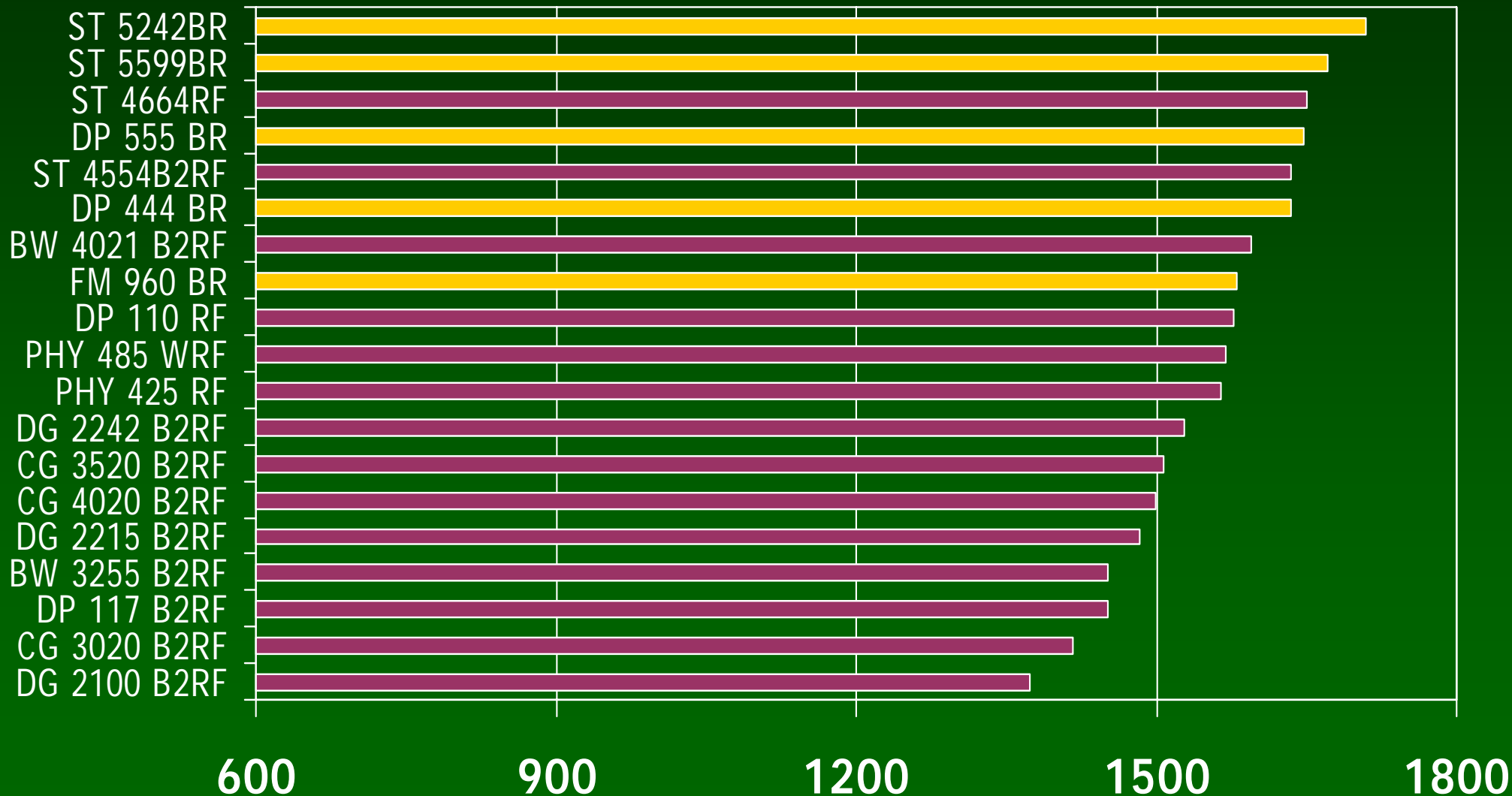
Alexandria, LA OVT

Two-Year EARLY Flex (2005,2006)



Winnsboro, LA OVT

Two-Year EARLY Flex (2005,2006)



Alexandria, LA OVT

Two-Year MEDIUM Flex (2005,2006)



Winnsboro, LA OVT

Two-Year MEDIUM Flex (2005,2006)



How much do we give up with Flex??



- No more than 200 lb... IF the correct variety is chosen.
- Most likely case is 0-100 lb.
- We will gain some cents on quality.
- There are no Flex varieties that will consistently outyield the best BG/RRs in 2007.



Variety Testing Issues



- The sheer number of new varieties to be tested can easily overwhelm the current OVT system.
- Universities and industry need to evaluate the need for a variety testing system outside of OVTs
 - Trials that address those varieties that are economically important.

Confusion Over Brand Names



450001G	370001G
DG 2520 B2RF CG 4020 B2RF BW 4630 B2RF ST 4357B2RF Americot 1532B2RF	DG 2100 B2RF CG 3020 B2RF BW 3255 B2RF Americot 1504 B2RF
0100001G	530001G
DG 2215 B2RF NexGen 3273 B2RF BW 4021 B2RF Americot 1521 B2RF	CG 3520 B2RF ST 4700 B2RF DG 2242 B2RF
	170001G
	ST 5007 B2RF Americot 1622 B2RF

"Off-Types" in RR Flex Cotton







No pollen production in "Off Types"

"Off-Types" = RR only; negative for RRFlex
Bollgard or Bollgard II traits




"Off Types" in RRFlex

- Affected fields were a minor acreage
- Confined primarily to lines out of Cotton States program
- 1 to 25% in affected fields
- Source of contamination is not completely known
- Will this occur in 2007?



Other RRFLex Concerns

- **Industry mergers and acquisitions**
 - Will one company be the primary source of germplasm and transgenic traits?
 - How competitive will Stoneville as an organization be in 2008?
- **Increased reliance on glyphosate systems in the face of increasingly difficult glyphosate weed control in some areas**



**"Planting cotton
is the second
greatest urge
known to man."
-Will McCarty**