



2007 Cotton Varieties and Production

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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





After two years, we have a lot of data.



... Now, what do we do with it??

**Look at as many data sources
as possible.**

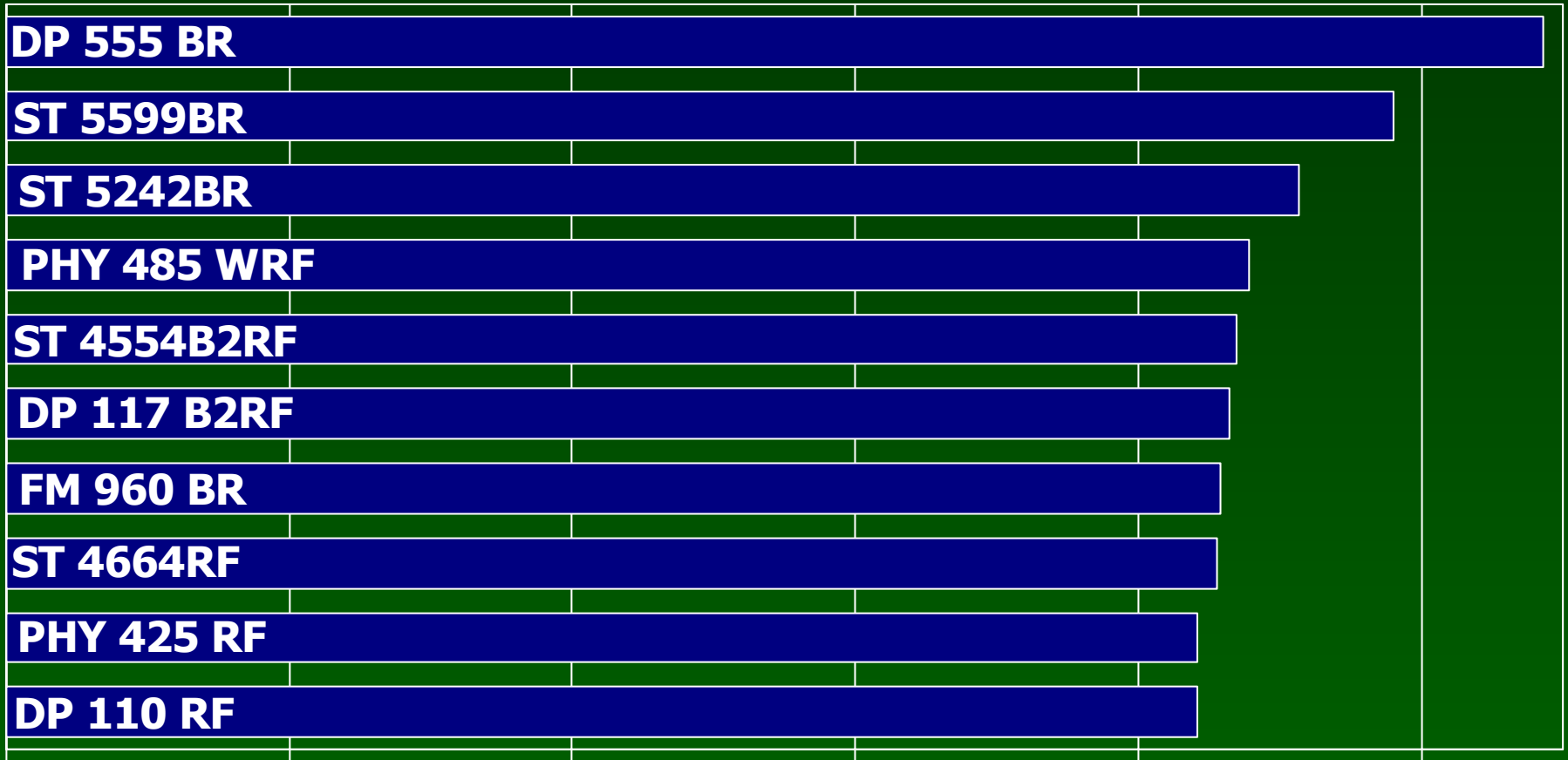
- **One location data can be very misleading!**



With new varieties, yield stability is an important factor to consider.

Two-year Early Flex

All Louisiana Locations



900

1000

1100

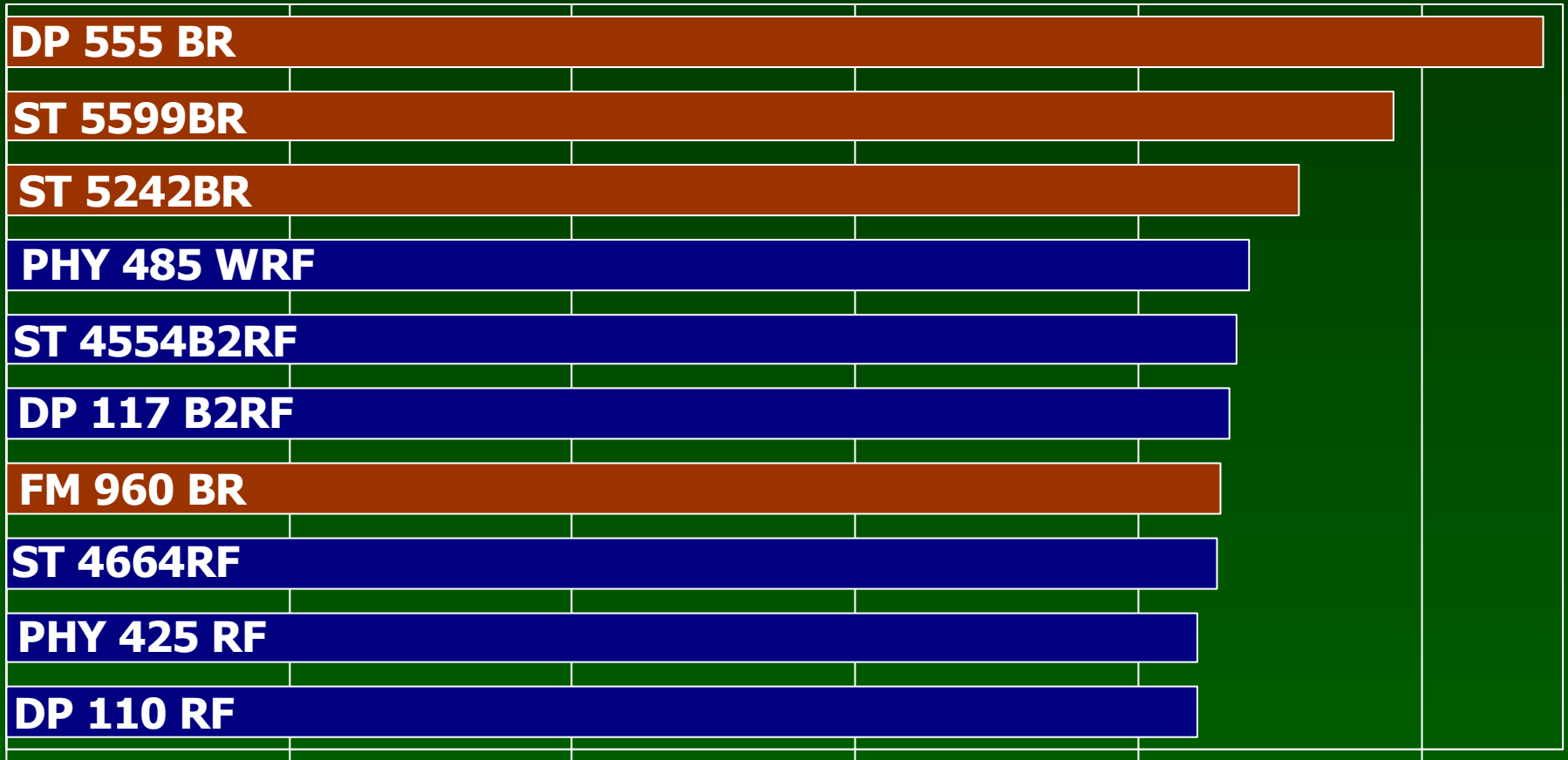
1200

1300

1400

Two-year Early Flex

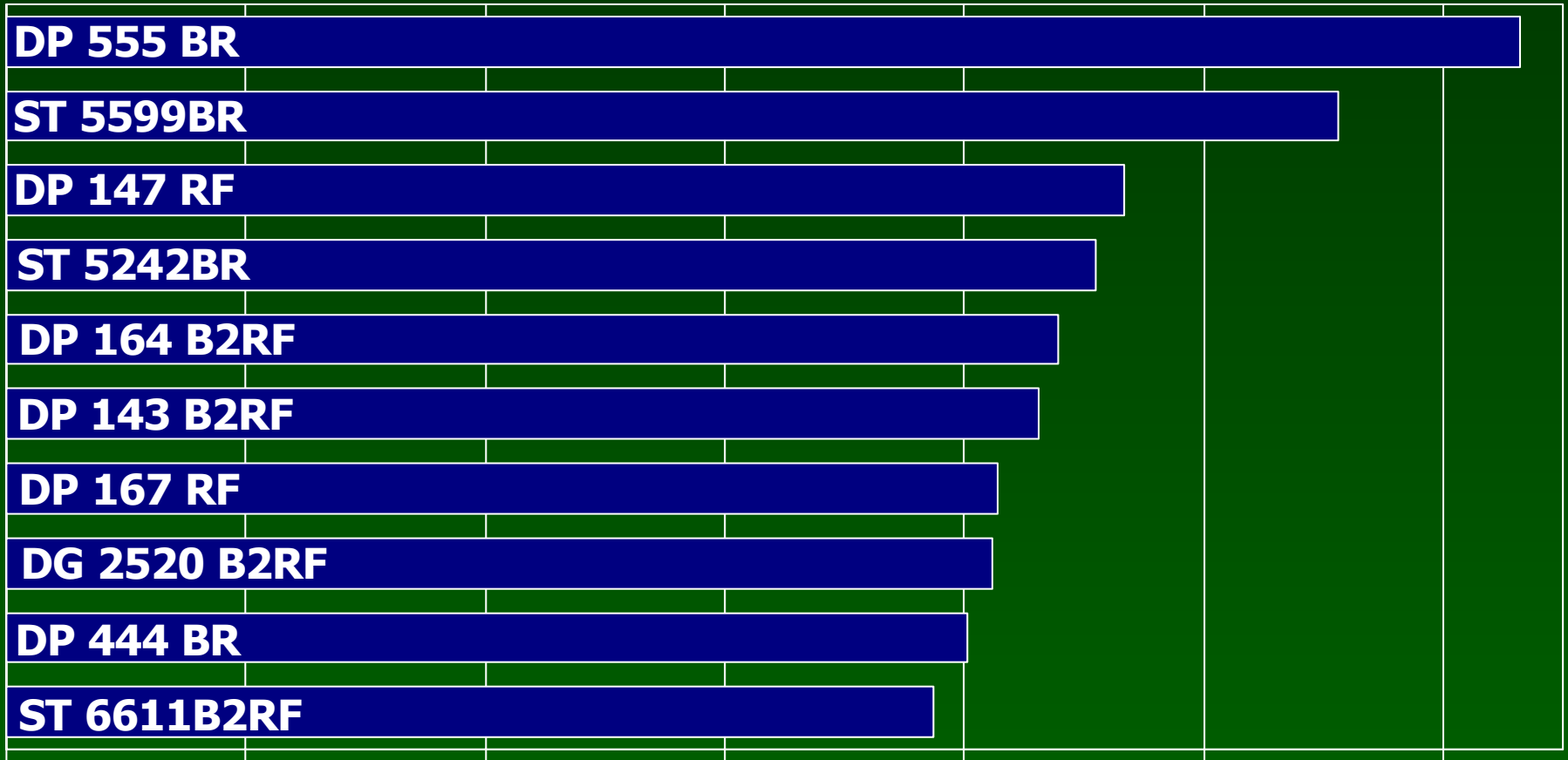
All Louisiana Locations



900 1000 1100 1200 1300 1400

Two-year Medium Flex

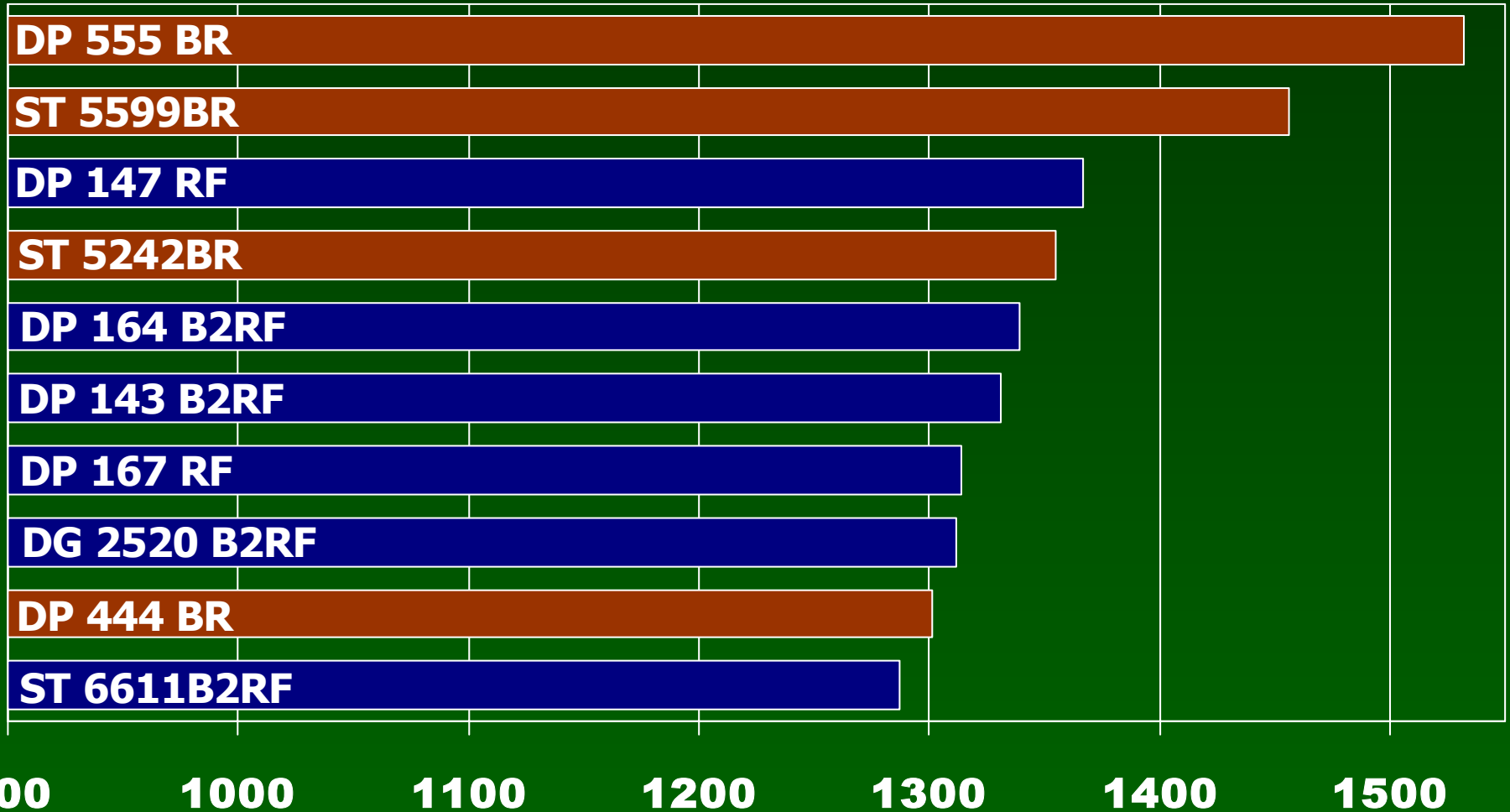
All Louisiana Locations



900 1000 1100 1200 1300 1400 1500

Two-year Medium Flex

All Louisiana Locations



2006 On-Farm Flex Varieties

Average of 7 locations



	lb/acre	MIKE	UHM	Str	U.I.
PHY 485 WRF	1071	4.6	1.12	29.6	82.5
DP 117 B2RF	1036	4.6	1.14	29.9	82.1
PHY 425 RF	1027	4.8	1.12	29.7	82.5
ST 4554 B2RF	1002	4.5	1.12	29.1	81.9
DP 143 B2RF	992	4.2	1.17	27.0	80.9
BW 4630 B2RF	973	4.2	1.12	26.3	81.8
DP 164 B2RF	968	4.4	1.15	28.1	82.0
FM 9063 B2RF	949	4.3	1.16	29.0	81.4
DG 2520 B2RF	931	4.3	1.13	27.4	82.4
ST 6611 B2RF	910	4.6	1.11	28.3	81.8

Red River Flex Variety Trial



Variety	Lint/acre	Loan	Gross/acre
DP 555 BR	1063	52.00	\$552.55
DP 164 B2RF	845	52.00	\$439.33
ST 4554B2RF	819	52.20	\$427.72
DP 143 B2RF	809	53.60	\$433.63
FM 9060 RF	791	52.20	\$412.93
PHY 485 WRF	780	52.00	\$405.58
ST 6611B2RF	713	49.10	\$349.87
PHY 425 RF	695	50.10	\$348.26
DP 117 B2RF	679	**	**
FM 9063 B2RF	671	52.20	\$350.20

2006. Donnie Powell. Non-Irrigated.



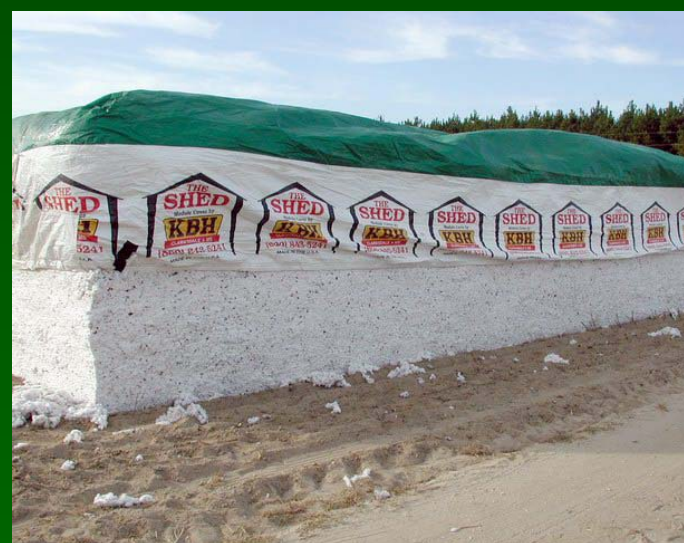
How much do we give up with Flex??

Most likely case is 0-100 lb.

– If the right variety is chosen

We will gain some cents on quality.

There are no Flex varieties that will consistently outyield the best BG/RRs in 2007.



Top Flex Varieties for 2007



PHY 485 WRF	Medium	Consistent across many soil types
DP 117 B2RF	Early	More consistent than expected. Will suffer under drought stress
ST 4554 B2RF	Medium	Consistent and manageable.
DP 164 B2RF	Full	Good fiber. Tall.
DP 143 B2RF	Full	Excellent fiber quality. Tall.



Roundup Ready Flex Concerns

Confusion Over Brand Names



450001G

DG 2520 B2RF

CG 4020 B2RF

BW 4630 B2RF

ST 4357B2RF

Americot 1532B2RF

010001G

DG 2215 B2RF

NexGen 3273 B2RF

BW 4021 B2RF

Americot 1521 B2RF

370001G

DG 2100 B2RF

CG 3020 B2RF

BW 3255 B2RF

Americot 1504 B2RF

530001G

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?**

Cumberland County, NC 2006

Alan York, 2006





Bollgard or Widestrike and Roundup Ready Varieties



Roundup Ready Varieties

- **There are good choices that have been grown widely**
- **Limited number of new introductions – but most are very competitive**
- **It isn't (completely) a Flex world yet.**



Early Maturing OVT

Two-year average, all locations



	lb/acre	MIKE	UHM	Str	U.I.
DP 454 BR	1342	4.2	1.08	27.7	82.2
PHY 370 WR	1340	4.7	1.09	30.0	82.8
DP 432 RR	1336	4.6	1.10	30.5	83.0
DP 434 RR	1330	4.3	1.13	27.8	82.7
DP 445 BR	1324	4.5	1.12	31.6	83.2
PHY 310 R	1322	4.6	1.08	30.0	82.5
ST 5242 BR	1314	4.6	1.09	27.7	82.9
FM 960 BR	1298	4.5	1.11	31.0	82.7
ST 4575BR	1297	4.6	1.10	30.9	82.6
PHY 480 WR	1285	4.6	1.13	31.6	83.7

Medium Maturing OVT

Two-year average, all locations



	lb/acre	MIKE	UHM	Str	U.I.
DP 555 BR	1419	4.6	1.10	27.4	81.6
ST 5599BR	1400	4.7	1.11	28.6	82.3
DP 488 BR	1315	4.5	1.16	29.7	82.6
DP 494 RR	1311	4.7	1.16	31.3	82.9
FM 800 B2R	1245	4.2	1.18	31.1	83.5
FM 991 B2R	1107	4.3	1.15	30.9	82.8



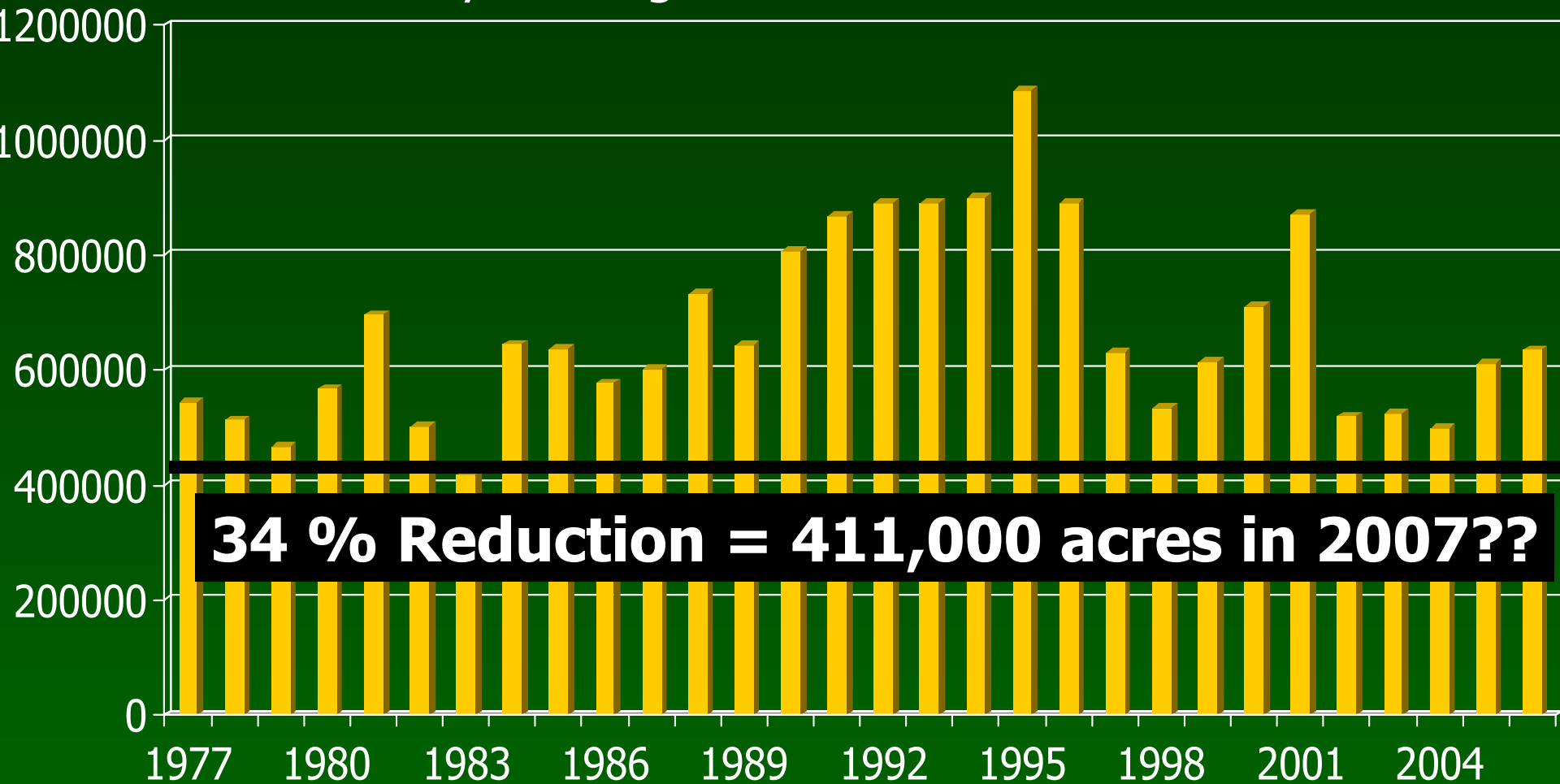
**What will cotton
acres do in 2007?**


LA Planted Cotton Acreage

30 yr average = 671 K

10 yr average = 615 K

5 yr average = 558 K



A wide-angle photograph of a cotton field. The plants are young and green, arranged in neat, parallel rows that stretch towards the horizon. The soil is a rich, reddish-brown color and appears to be cracked in several places, suggesting a dry environment. In the background, there is a dense line of green trees under a clear blue sky. A small white vehicle is visible in the distance. A large black rectangular box is overlaid on the left side of the image, containing yellow text.

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