

**UNIFORM STACKED-GENE COTTON VARIETY TRIALS FOR THE  
COASTAL BEND, UPPER GULF COAST, BRAZOS RIVER VALLEY, AND  
SOUTHERN BLACKLANDS REGIONS OF TEXAS, 2007**



## **UNIFORM STACKED-GENE COTTON VARIETY TRIALS FOR THE COASTAL BEND, UPPER GULF COAST, BRAZOS RIVER VALLEY, AND SOUTHERN BLACKLANDS REGIONS OF TEXAS, 2007**

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Variety selection is the most important decision made during the year. Unlike herbicide or insecticide decisions that can be changed during the season to address specific conditions and pests, variety selection is made only once and that selection will dictate the management of that field for the entire season. Variety decisions should be based on genetics first, and transgenic technology second. Attention should be focused on agronomic characteristics such as yield, maturity and fiber quality when selecting varieties.

Texas producers planted 4.9 million acres in 2007, compared to 6.4 million acres planted in 2006. The average lint yield/acre in 2007 was 828 lbs./acre and bale production exceeded 8 million, making 2007 the second largest crop ever produced in the state.

Transgenic varieties accounted for 87% of the acreage, and the new varieties with Roundup Ready Flex or Roundup Ready Flex Bollgard II technologies made up 34% of Texas cotton acres. According to the USDA-Agricultural Marketing Service “Cotton Varieties Planted 2007 Crop” survey for the Corpus Christi Classing Office area, these were the top-10 varieties for the region: Fiber Max 832 – 18%, Fiber Max 832 LL – 13%, Delta Pine 555 BR – 10%, Delta Pine 143 B2RF – 7%, Fiber Max 958 LL – 5%, Delta Pine 455 BR – 4%, PhytoGen 440 W – 4%, Fiber Max 955 LLB2 – 4% and Fiber Max 960 B2R – 3%.

To assist Texas cotton producers in remaining competitive in the Coastal Bend, Upper Gulf Coast, Brazos River Valley, and the Southern Blacklands regions we have been conducting uniform, large plot, on-farm, replicated variety trials for the past five years (Figure 1). We believe this approach provides a good foundation of information that can be utilized to begin the decision making process.

In 2007, we planted 10 locations, but only seven were carried to yield. Inclement weather conditions following planting (cool temperatures and heavy rainfall) resulted in poor stands at the San Patricio and Matagorda County sites and the Calhoun County

site was lost due to heavy rain near harvest-time. Of the seven locations that were carried through harvest, there was a core set of seven stacked-gene varieties at all locations. Counties included in the project were Refugio, Jackson, Wharton, Colorado, Fort Bend, Brazos and Williamson. However, due to prolonged and excessive rainfall during much of the season, the crop was delayed due to mid-season square and boll shed which led to excessive vegetative plant grow and late fruit-set. As a result, cotton harvest across these regions was four to six weeks later than normal and lint yields were much lower than in previous years.

Commercial seed companies represented in the trials included Fibermax and Stoneville (Bayer CropScience), Delta and Pineland, Dow Phytogen, Dynagrow, and Croplan Genetics. All varieties were treated with either Gaucho Grande or Cruiser seed treatment. Initial plans were to include DPL 555 BG/RR and DPL 445 BG/RR in each location as Bollgard-Roundup Ready standards, but due to grower adoption of Bollgard II/Roundup Ready Flex (BG2/RF) varieties, these two varieties were subsequently not included in the majority of locations, except where noted.

Table 1 provides a list of planting and harvest dates, row spacing and plot area for each location. Subsequent tables provide a summary for each location and summaries for core varieties for the Upper Gulf Coast (Wharton, Fort Bend and Colorado Counties). Data featured in these tables include, statistical analysis of yield, turnout, fiber quality parameters, loan and lint value results. The statistical analysis presents a general overview of the uniformity of the test conditions (soil type, cultural practices, insect damage, etc.). Trial locations with large LSD's (more than 200 lbs of lint/acre) generally offer little useful information due to non-uniform conditions (higher degree of variability). The smaller the LSD, the more precise are the test results.

Varieties that are statistically different from one another will not have the same letter next to the corresponding number value in a column. For example, in the first table (Refugio County) lint yield for the first two varieties is significantly higher when compared to the all other varieties. Columns without letters indicate no significant differences among the varieties.

Each year review as many public and private tests within your region as possible before making decisions. Due to the annual introduction of several new varieties/technology it has become increasingly more difficult to find multi-year data. Consequently, these uniform, large plot, replicated, on-farm variety trials provide an excellent source of information.



**Table 1. Planting date, harvest date, row spacing, plot dimensions and area harvested.**

<b>County</b>	<b>Planting Date</b>	<b>Harvest Date</b>	<b>Row Spacing</b>	<b>Plot Dimensions</b>	<b>Area harvested/plot</b>
<b>Refugio</b>	<b>March 30</b>	<b>September 25</b>	<b>38 inches</b>	<b>6 rows x 500 ft</b>	<b>0.218 acres</b>
<b>Jackson</b>	<b>March 29</b>	<b>September 14</b>	<b>38 inches</b>	<b>8 rows x 1400 ft</b>	<b>0.686 acres</b>
<b>Wharton</b>	<b>April 14</b>	<b>September 21</b>	<b>40 inches</b>	<b>8 rows x 1205 ft</b>	<b>0.701 acres</b>
<b>Colorado</b>	<b>April 12</b>	<b>October 6</b>	<b>40 inches</b>	<b>8 rows x 825 ft</b>	<b>0.500 acres</b>
<b>Fort Bend</b>	<b>April 23</b>	<b>November 1</b>	<b>36 inches</b>	<b>12 rows x 1090 ft</b>	<b>0.900 acres</b>
<b>Brazos</b>	<b>April 13</b>	<b>September 7</b>	<b>30 inches</b>	<b>6 rows x 700 ft</b>	<b>0.241 acres</b>
<b>Williamson</b>	<b>May 14</b>	<b>October 12</b>	<b>30 inches</b>	<b>6 rows x 492 ft</b>	<b>0.170 acres</b>

## Wharton, Fort Bend, and Colorado Counties Uniform Stacked-Gene

### Cotton Variety Trials 2007 - Combined Locations

Dr. Robert Lemon, Professor and Extension Agronomist - Cotton

Dale A. Mott, Extension Program Specialist

VARIETY	YIELD lbs/A	TURNOUT %	MIC	LENGTH inches	STRENGTH g/tex	UNIFORMITY %	LOAN VALUE cents/lb	LINT VALUE \$/A
CG 4020 B2RF	815 a	32.83 bcd	4.53 b	1.13 a	27.91 bc	81.32 ab	53.65 a	438 a
DPL 164 B2RF	801 a	33.30 abc	4.76 a	1.13 a	29.92 a	82.09 a	54.03 a	437 a
PHY 485 WRF	782 a	33.43 ab	4.78 a	1.12 ab	29.59 a	82.22 a	54.10 a	427 a
ST 4357 B2RF	790 a	32.27 bcd	4.48 b	1.11 abc	28.44 bc	81.50 a	53.61 a	426 a
DG 2490 B2RF	796 a	31.93 cd	4.24 c	1.08 c	27.74 c	80.31 bc	53.01 a	419 a
DPL 143 B2RF	770 a	33.00 bc	4.43 bc	1.14 a	28.63 b	79.72 c	53.83 a	417 a
ST 4554 B2RF	749 a	32.90 bcd	4.89 a	1.09 bc	29.64 a	81.98 a	53.06 a	394 a
ST 5327 B2RF	714 a	34.67 a	4.86 a	1.09 bc	29.83 a	81.69 a	53.39 a	380 a
FM 1880 B2RF	695 a	31.60 d	4.51 b	1.12 ab	29.87 a	81.25 ab	53.98 a	378 a
Mean	770.3	32.9	4.43	1.14	28.633	79.72	53.83	416.7
P>F	0.234	0.047	0.0004	0.0945	0.0005	0.0204	0.451	0.2547
LSD (P=0.10)	NS	1.381	0.21	0.0362	0.8185	1.1367	NS	NS
Standard Deviation	57.88	0.969	0.1436	0.0254	0.5741	0.7974	0.6897	33.37
CV%	7.54	2.95	3.12	2.29	1.98	0.98	1.29	8.08

Loan based on \$0.5170/lb +/- premiums/discounts according to the 2007USDA Loan Chart.



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## Refugio County Uniform Stacked-Gene Cotton Variety Trial, 2007

Cooperator: Jimmy Rathkamp

Dr. Robert Lemon, Professor and Extension Agronomist - Cotton

Dale A. Mott, Extension Program Specialist

Jerry Gray, County Extension Agent-Agriculture and Natural Resources, Refugio County

Steve Biles, Extension Agent-Integrated Pest Management, Refugio, Calhoun, and Victoria Counties

VARIETY	YIELD lbs/A	TURNOUT %	MIC	LENGTH inches	STRENGTH g/tex	UNIFORMITY %	LOAN VALUE cents/lb	LINT VALUE \$/A
DG 2490 B2RF	860 a	34.3 a	4.53 a	1.13 a	28.01 a	81.02 a	54.25 a	466 a
ST 4357 B2RF	780 a	33.3 a	4.18 a	1.16 a	27.94 a	80.11 a	54.37 a	424 a
PHY 485 WRF	782 a	33.0 a	4.28 a	1.10 a	26.67 a	80.80 a	53.00 a	415 a
ST 5327 B2RF	662 b	32.2 a	4.16 a	1.14 a	27.18 a	79.37 a	54.27 a	359 b
DPL 143 B2RF(Grower)	641 b	33.0 a	4.34 a	1.12 a	26.95 a	79.94 a	54.08 a	346 b
ST 4554 B2RF	616 b	32.7 a	4.31 a	1.16 a	27.93 a	80.50 a	54.35 a	335 b
CG 4020 B2RF	586 b	32.0 a	4.15 a	1.12 a	26.85 a	80.59 a	54.10 a	371 a
DPL 143 B2RF	469 c	31.6 a	4.28 a	1.14 a	27.99 a	80.81 a	54.42 a	255 c
FM 1880 B2RF	471 c	31.6 a	4.16 a	1.10 a	27.08 a	80.36 a	53.45 a	251 c
DPL 164 B2RF	457 c	31.8 a	4.23 a	1.14 a	27.63 a	79.23 a	54.07 a	247 c
Mean	632.4	32.57	4.26	1.13	27.42	80.27	24.04	341.5
P>F	0.0001	0.3363	0.3385	0.319	0.5737	0.9359	0.6815	0.0001
LSD (P=0.10)	98.4	NS	NS	NS	NS	NS	NS	52.90
Standard Deviation	69.5	1.4	0.18	0.3	0.99	1.74	0.93	37.3
CV%	10.1	4.29	4.28	2.83	3.61	2.17	1.72	10.9

Loan based on \$0.5170/lb +/- premiums/discounts according to the 2007USDA Loan Chart.

Planting date: March 30, 2007    Harvest date: September 25, 2007    Row Spacing: 38 inches



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## Jackson County Uniform Stacked-Gene Cotton Variety Trial, 2007

Cooperator: Dale Allen

Dr. Robert Lemon, Professor and Extension Agronomist - Cotton

Dale A. Mott, Extension Program Specialist

Michael Hiller, County Extension Agent-Agriculture and Natural Resources, Jackson County

VARIETY	YIELD lbs/A	TURNOUT %	MIC	LENGTH inches	STRENGTH g/tex	UNIFORMITY %	LOAN VALUE cents/lb	LINT VALUE \$/A
DG 2490 B2RF	1064 a	36.5 c	4.00 d	1.12 f	26.22 c	84.38 ab	54.77 a	583 a
PHY 485 WRF	1015 ab	39.3 a	4.75 a	1.15 e	27.89 ab	84.74 a	54.82 a	556 ab
ST 4357 B2RF	1009 ab	37.7 bc	4.43 bc	1.20 bc	26.73 bc	84.01 abc	54.78 a	553 abc
ST 5327 B2RF	944 bc	39.6 a	4.76 a	1.14 e	27.57 ab	83.69 abc	54.75 a	517 bcd
CG 4020 B2RF	935 bc	36.5 c	4.49 b	1.19 cd	26.14 c	84.41 a	54.52 a	510 bcd
DPL 164 B2RF	930 bc	38.8 ab	4.79 a	1.17 d	26.05 c	83.23 bcd	54.37 a	505 cd
ST 4554 B2RF	916 c	37.0 c	4.75 a	1.13 ef	26.24 c	83.58 abc	54.53 a	496 d
DPL 143 B2RF	884 c	39.6 a	4.37 bc	1.22 a	26.31 c	82.19 de	54.40 a	481 d
DPL 143 B2RF(Grower)	884 c	38.5 ab	4.29 c	1.22 ab	25.79 c	81.5 e	54.20 a	479 d
FM 1880 B2RF	775 d	37.6 bc	4.39 bc	1.19 cd	28.37 a	83.2 cd	54.67 a	424 e
Mean	935.6	38.11	4.502	1.173	26.728	83.493	54.551	510.4
P>F	0.0024	0.0008	0.0001	0.0001	0.0154	0.0029	0.3423	0.0014
LSD (P=0.10)	91.9	1.25	0.165	0.022	1.2071	1.166	NS	49.2
Standard Deviation	64.9	0.88	0.117	0.015	0.853	0.823	0.347	34.7
CV%	6.93	2.31	2.59	1.32	3.19	0.99	0.68	6.8

Loan based on \$0.5170/lb +/- premiums/discounts according to the 2007USDA Loan Chart.

Planting date: March 29, 2007 Harvest date: September 14, 2007 Row Spacing: 38 inches



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## Wharton County Uniform Stacked-Gene Cotton Variety Trial, 2007

Cooperator: Albert and Keith Kresta

Dr. Robert Lemon, Professor and Extension Agronomist - Cotton

Dale A. Mott, Extension Program Specialist

Peter McGuill, County Extension Agent-Agriculture and Natural Resources, Wharton County

VARIETY	YIELD lbs/A	TURNOUT %	MIC	LENGTH inches	STRENGTH g/tex	UNIFORMITY %	LOAN VALUE cents/lb	LINT VALUE \$/A
PHY 485 WRF	793 a	32.0 bc	4.90 ab	1.13 a	30.94 a	82.70 a	54.95 a	430 a
DPL 445 BR	791 a	34.7 a	4.86 ab	1.08 b	28.77 de	80.89 b	53.30 c	422 a
CG 4020 B2RF	765 a	32.1 bc	4.41 d	1.13 a	28.91 de	80.96 b	53.62 bc	411 a
ST 4554 B2RF	787 a	32.4 bc	4.98 a	1.05 b	29.53 bcd	81.81 ab	51.88 d	409 a
DPL 143 B2RF	748 ab	31.4 cd	4.46 cd	1.15 a	28.49 de	78.57 c	54.02 abc	404 a
DPL 164 B2RF	736 ab	32.1 bc	4.79 b	1.14 a	30.84 a	80.80 b	54.85 ab	404 a
DG 2490 B2RF	770 a	29.7 e	4.09 e	1.05 b	28.03 e	80.72 b	51.92 d	400 a
ST 4357 B2RF	736 ab	31.2 cd	4.56 c	1.12 a	29.28 cd	81.18 b	54.27 abc	399 a
FM1880 B2RF	695 b	30.4 de	4.48 cd	1.13 a	30.51 ab	81.48 ab	54.63 ab	379 a
ST 5327 B2RF	702 b	33.1 b	4.88 ab	1.07 b	30.11 abc	81.75 ab	53.17 c	373 a
Mean	751.3	31.91	4.641	1.105	29.543	81.095	53.661	403.1
P>F	0.0792	0.012	0.0001	0.0001	0.0042	0.0045	0.0021	0.2375
LSD (P=0.10)	57.2	1.47	0.143	0.028	1.212	1.273	1.234	NS
Standard Deviation	40.4	1.04	0.101	0.02	0.856	0.899	0.872	24.7
CV%	5.38	3.25	2.18	1.81	2.9	1.11	1.62	6.12

All varieties treated with Gaucho Grande. Loan based on \$0.5170/lb +/- premiums/discounts according to the 2007USDA Loan Chart.

Planting date: April 14, 2007 Harvest date: September 21, 2007 Row Spacing: 40 inches



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## Fort Bend County Uniform Stacked-Gene Cotton Variety Trial, 2007

Cooperator: John Allen Stazney

Dr. Robert Lemon, Professor and Extension Agronomist - Cotton

Dale A Mott, Extension Program Specialist

Joe Mask, County Extension Agent-Agriculture and Natural Resources, Fort Bend County

VARIETY	YIELD lbs/A	TURNOUT %	MIC	LENGTH inches	STRENGTH g/tex	UNIFORMITY %	LOAN VALUE cents/lb	LINT VALUE \$/A
DPL 445 BR	998 a	42.2 a	4.87 bcd	1.06 e	28.6 a	80.3 bc	53.27 a	533 a
DPL 164 B2RF	923 ab	37.5 bcd	5.10 ab	1.15 a	29.3 a	82.7 a	53.26 ab	506 a
CG 4020 B2RF	856 bc	36.7 bcd	4.80 cd	1.14 ab	26.9 a	81.27 ab	53.21 cd	458 b
ST 4357 B2RF	816 cd	36.1 cd	4.63 de	1.15 abc	27.6 a	84.8 ab	53.21 cd	443 bc
DPL 143 B2RF	792 cd	37.8 bc	4.43 ef	1.15 a	28.9 a	79.3 c	53.22 bcd	428 bc
PHY 485 WRF	768 d	36.2 cd	4.93 bc	1.11 abc	29.2 a	82.3 a	53.24 abc	422 bcd
ST 5327 B2RF	754 de	39.6 ab	5.10 ab	1.09 cde	30.1 a	82.0 ab	53.25 a	400 cde
DG 2490 B2RF	736 def	34.8 d	4.37 f	1.06 de	27.6 a	81.2 ab	53.19 d	385 def
FM 1880 B2RF	653 f	34.5 d	4.83 cd	1.13 abc	29.6 a	81.1 abc	53.21 cd	356 ef
ST 4554 B2RF	668 ef	36.4 cd	5.20 a	1.10 bcd	29.1 a	82.6 a	53.25 abc	346 f
Mean	796.4	37.18	4.826	1.111	28.699	81.477	53.234	427.4
P>F	0.0001	0.0095	0.0001	0.007	0.1526	0.0766	0.0411	0.0001
LSD (P=0.10)	87.5	2.94	0.236	0.041	NS	1.77	0.043	44.6
Standard Deviation	61.8	2.08	0.167	0.029	1.329	1.25	0.031	31.5
CV%	7.77	5.58	3.46	2.63	4.63	1.53	0.06	7.37

Loan based on \$0.5170/lb +/- premiums/discounts according to the 2007USDA Loan Chart.

Planting date: April 23, 2007 Harvest date: November 1, 2007 Row Spacing: 36 inches



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## Colorado County Uniform Stacked-Gene Cotton Variety Trial, 2007

Cooperator: Mahalitic Farms

Dr. Robert Lemon, Professor and Extension Agronomist - Cotton

Dale A Mott, Extension Program Specialist

Dale Rankin, County Extension Agent-Agriculture and Natural Resources, Colorado County

VARIETY	YIELD lbs/A	TURNOUT %	MIC	LENGTH inches	STRENGTH g/tex	UNIFORMITY %	LOAN VALUE cents/lb	LINT VALUE \$/A
DG 2490 B2RF	882 a	31.3 a	4.26 a	1.13 a	27.57 a	79.01 c	53.93 a	476 a
CG 4020 B2RF	823 ab	29.7 a	4.38 a	1.12 a	27.93 a	81.73 ab	54.12 a	445 ab
ST 4357 B2RF	818 b	29.5 a	4.24 a	1.10 a	28.43 a	81.53 ab	53.35 a	436 bc
PHY 485 WRF	794 bc	32.1 a	4.51 a	1.11 a	28.62 a	81.65 ab	54.12 a	430 bcd
ST 4554 B2RF	792 bc	29.9 a	4.50 a	1.11 a	30.27 a	81.45 ab	54.05 a	428 bcd
DPL 143 B2RF	771 bc	29.8 a	4.40 a	1.12 a	28.51 a	81.26 b	54.25 a	418 bcd
DPL 164 B2RF	744 cd	30.3 a	4.38 a	1.09 a	29.61 a	82.78 a	53.98 a	401 cde
FM 1880 B2RF	737 cd	29.9 a	4.23 a	1.09 a	29.49 a	81.16 b	54.10 a	399 de
ST 5327 B2RF	685 d	31.3 a	4.61 a	1.10 a	29.26 a	81.26 b	53.73 a	368 e
Mean	823	29.7	4.38	1.12	27.93	81.73	54.12	445
P>F	0.0016	0.2753	0.5968	0.759	0.2936	0.018	0.9949	0.0051
LSD (P=0.10)	59.3	NS	NS	NS	NS	1.327	NS	35.9
Standard Deviation	41.6	1.34	0.255	0.03	1.297	0.931	1.218	25.2
CV%	5.31	4.41	5.8	2.67	4.5	1.14	2.26	5.96

Loan based on \$0.5170/lb +/- premiums/discounts according to the 2007USDA Loan Chart.

Planting date: April 12, 2007 Harvest date: October 6, 2007 Row Spacing: 40 inches



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## Brazos County Uniform Stacked-Gene Cotton Variety Trial, 2007

Cooperator: Higgenbottom Farms - Johnny Osborne, Farm Manager

Dr. Robert Lemon, Professor and Extension Agronomist - Cotton

Dale A Mott, Extension Program Specialist

Eric Zimmerman, County Extension Agent-Agriculture and Natural Resources, Brazos County

Dusty Tittle, County Extension Agent-Agriculture and Natural Resources, Burleson County

Ed Schneider, County Extension Agent-Agriculture and Natural Resources, Robertson County

VARIETY	YIELD lbs/A	TURNOUT %	MIC	LENGTH inches	STRENGTH g/tex	UNIFORMITY %	LOAN VALUE cents/lb	LINT VALUE \$/A
PHY 485 WRF	1040 a	32.6 a	4.25 a	1.11 a	27.81 a	80.38 a	53.9 a	562 a
ST 4554 B2RF	1002 ab	33.3 a	4.56 a	1.12 a	29.93 a	81.61 a	54.53 a	546 ab
DPL 164 B2RF	956 ab	35.7 a	4.42 a	1.11 a	28.91 a	80.40 a	53.95 a	516 abc
DPL 555 BR	867 bc	35.7 a	4.43 a	1.11 a	27.83 a	80.34 a	54.08 a	468 a-d
ST 5327 B2RF	873 bc	34.0 a	4.63 a	1.07 a	28.53 a	80.16 a	52.05 a	457 b-e
FM 1880 B2RF	853 bc	30.5 a	4.93 a	1.08 a	29.17 a	81.33 a	81.90 a	442 cde
DPL 143 B2RF	792 c	33.3 a	4.11 a	1.08 a	27.52 a	80.01 a	52.28 a	413 de
DG 2490 B2RF	795 c	32.1 a	4.28 a	1.12 a	25.26 a	79.45 a	53.13 a	408 de
ST 4357 B2RF	754 c	32.0 a	4.33 a	1.08 a	28.06 a	80.93 a	53.18 a	402 de
CG 4020 B2RF	735 c	35.6 a	4.56 a	1.06 a	25.98 a	78.75 a	50.40 a	369 e
Mean	735	35.6	4.56	1.06	25.98	78.75	50.4	369
P>F	0.0514	0.2022	0.5932	0.5574	0.2477	0.7865	0.5222	0.0483
LSD (P=0.10)	155.8	NS	NS	NS	NS	NS	NS	93.7
Standard Deviation	85	1.82	0.356	0.036	1.58	1.571	1.836	51.1
CV%	9.84	5.42	7.99	3.25	5.66	1.95	3.47	11.16

Loan based on \$0.5170/lb +/- premiums/discounts according to the 2007USDA Loan Chart.

Planting date: April 13, 2007 Harvest date: September 7, 2007 Row Spacing: 30 inches



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## Williamson County Uniform Stacked-Gene Cotton Variety Trial, 2007

Cooperator: **Greg Shirocky**

Dr. Robert Lemon, Professor and Extension Agronomist - Cotton

Dale A. Mott, Extension Program Specialist

Zan Matthies, County Extension Agent-Agriculture and Natural Resources, Williamson County

VARIETY	YIELD lbs/A	TURNOUT %	MIC	LENGTH inches	STRENGTH g/tex	UNIFORMITY %	LOAN VALUE cents/lb	LINT VALUE \$/A
PHY 485 WRF	933 a	38.4 a	4.05 a	1.10 a	31.90 a	81.65 a	54.65 a	511 a
ST 4554 B2RF	899 a	37.1 ab	4.30 a	1.15 a	31.25 a	81.05 a	54.85 a	494 a
ST 5327 B2RF	819 a	37.0 ab	4.30 a	1.10 a	29.80 bc	80.65 a	54.10 ab	443 a
DG 2490 B2RF	800 a	35.1 bc	4.30 a	1.10 a	32.10 a	82.25 a	53.08 abc	425 a
DPL 164 B2RF	802 a	34.5 cd	4.70 a	1.05 a	28.90 c	82.10 a	52.38 bc	422 a
CG 4020 B2RF	781 a	34.1 cd	4.65 a	1.05 a	31.30 a	82.35 a	52.00 c	407 a
FM 9063 B2RF	753 a	32.4 d	3.95 a	1.05 a	29.10 c	81.40 a	51.58 c	390 a
FM 1880 B2RF	751 a	34.0 cd	4.65 a	1.05 a	30.90 ab	83.45 a	51.43 c	386 a
Mean	781	34.1	4.65	1.05	31.3	82.35	52	407
P>F	0.4153	0.0275	0.2985	0.1796	0.0131	0.3012	0.0727	0.2538
LSD (P=0.10)	NS	2.45	NS	NS	1.314	NS	2.055	NS
Standard Deviation	85.8	1.3	0.325	0.037	0.693	1.007	1.084	50.1
CV%	10.49	3.67	7.44	3.39	2.26	1.23	2.05	11.52

Loan based on \$0.5170/lb +/- premiums/discounts according to the 2007USDA Loan Chart.

Planting date: May 14, 2007 Harvest date: October 12, 2007 Row Spacing: 30 inches



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