

# **Cotton Performance Tests in the Texas High Plains and Trans-Pecos Areas of Texas 2007<sup>1/</sup>**

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**ROUNDUP READY FLEX TESTS - DRYLAND**

Lamesa(AG-CARES)

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## INTRODUCTION

Cotton performance trials were conducted during 2007 at Lubbock, Halfway, and Pecos, Texas AgriLife Research Centers. The Lamesa Dryland variety test was planted on the AG-CARES research farm. An irrigated variety test was also planted near Tulia on the Dale Swinburn farm and near Lamesa on the Donald Love farm. The test planted on the Dale Swinburn farm was lost due to hail.

The Lubbock tests were planted in either Amarillo or Olton soils, the Halfway test in Pullman clay loam soils, AG-CARES in Amarillo fine sandy loam, and Pecos tests were planted in Hoban silty clay loam soils.

The 2007 season began with excellent subsoil moisture conditions, however, significant rainfall and lower than normal daytime temperatures delayed planting and initiated seedling disease. The overall picture was mixed due to local weather events such as hail and excessive rainfall. Verticillium wilt symptoms appeared early this season due to cooler than normal temperatures into July. Heat unit accumulation for July was about 541 at Lubbock, which is 12% below normal. For the entire growing season Lubbock was 8% below normal and well below the last several years. At the end of the season, late rains in August and September, and warmer than average temperatures, helped make 2007 the fourth largest crop on record.

Cool and wet conditions produced a healthy weed crop that harbored large populations of thrips. The rains did help to control their numbers. Cotton bollworms were low from Lubbock south, but north saw higher numbers. There were patches of spider mites throughout the South Plains, although light in most fields. Cotton fleahoppers were present in places across the High Plains although populations were too low to cause concern. Lygus was relatively plentiful in the weedy areas, and some treatment was necessary. Cotton aphid populations built rapidly over the 2007 season and many fields required treatment. They prefer cooler temperatures for greatest reproductive potential. Larger numbers of lady beetles and other beneficials in most fields did keep the numbers from building.

## ACKNOWLEDGEMENTS

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## GLOSSARY OF TABLE HEADINGS

### Yield and Turnout

Yield - Pounds of lint harvested per acre.

#### Gin Turnout

Lint - Percentage of lint of the stripper-harvested cotton.

Seed - Percentage of seed of the stripper-harvested cotton.

### Agronomic Properties - Determined from hand-snapped samples.

#### Percent Lint

Picked - Lint fraction of seed cotton.

Pulled - Lint fraction of burr cotton.

Boll Size - Weight, in grams, of seed cotton per boll.

Seed Index - Weight, in grams, of 100 fuzzy seed.

Lint Index - Weight, in grams, of lint from 100 seed (calculated).

Seed Per Boll - Average number of seed per boll (calculated).

### Maturity and Storm Resistance

Percent Open Bolls - Percentage of open bolls on a given date.

Storm Resistance - Visual rating from 0 (very loose boll type, considerable seed cotton loss) to 5 (very tight boll types, no seed cotton loss).

### Statistical Analysis

Mean - The average value for the trait being observed.

c.v.,% - Coefficient of variation. A statistical measure of the variability within a test, and expressed as percentage.

LSD - Least significant difference. If the difference between two means exceeds this value, the two means are significantly different at the 0.05 probability level.

### Gross Loan Value per Acre

Loan Value multiplied by the Yield

Fiber Properties - Measured by High Volume Instrument (HVI)

Micronaire - A relative measure of fiber linear density (mass per unit length) determined by air permeability.

| <u>Market Value</u> | <u>HVI Micronaire</u> |
|---------------------|-----------------------|
| Discount range      | 3.4 and below         |
| Base range          | 3.5 - 3.6             |
| Premium range       | 3.7 - 4.2             |
| Base range          | 4.3 - 4.9             |
| Discount range      | 5.0 and above         |

Source: USDA (1995)

Length - An instrument measure of fiber length, expressed in hundredths of an inch, which approximates the classer's staple length.

| <u>Staple 32nds</u> | <u>HVI Length</u> |
|---------------------|-------------------|
| 30                  | .93 - .95         |
| 31                  | .96 - .98         |
| 32                  | .99 - 1.01        |
| 33                  | 1.02 - 1.04       |
| 34                  | 1.05 - 1.07       |
| 35                  | 1.08 - 1.10       |
| 36                  | 1.11 - 1.13       |
| 37                  | 1.14 - 1.17       |
| 38                  | 1.18 - 1.20       |

Source: USDA (1995)

Uniformity - A measure of the uniformity of fiber length in a sample, expressed as a percentage.

| <u>Uniformity group</u> | <u>HVI Uniformity</u> |
|-------------------------|-----------------------|
| Very high               | 86 and above          |
| High                    | 83 - 85               |
| Intermediate            | 80 - 82               |
| Low                     | 77 - 79               |
| Very Low                | 76 and below          |

Source: USDA (1995)

Strength - The force required to rupture (or break) a fiber sample, expressed in grams per tex.

| <u>Strength group</u> | <u>HVI Strength</u> |
|-----------------------|---------------------|
| Very strong           | 31 and above        |
| Strong                | 29 - 30             |
| Intermediate          | 26 - 28             |
| Weak                  | 24 - 25             |
| Very weak             | 23 and below        |

Source: USDA (1995)

Elongation - The amount that a fiber sample will stretch prior to breakage. This is a measure of the deformation of fiber at rupture expressed as percent change in length based on the original fiber length.

Rd - Degree of reflectance. This measures how light or dark the fiber sample is, expressed as a percentage. Lower Rd values indicate a grayer sample.

+b - Yellowness. This measures the degree of color pigmentation. Higher +b values indicate yellower samples.

Color Grade - A function of the Rd and +b of the fiber sample. The color grade indicates the quadrant of the Nickerson-Hunter cotton colorimeter diagram in which Rd and +b values intersect.

See Exhibit A on page 9.

Temik- registered trademark of Bayer Crop Science

Prep, and Def-trademarks of Bayer Crop Science

Layby Pro, and Intruder-trademarks of Dupont

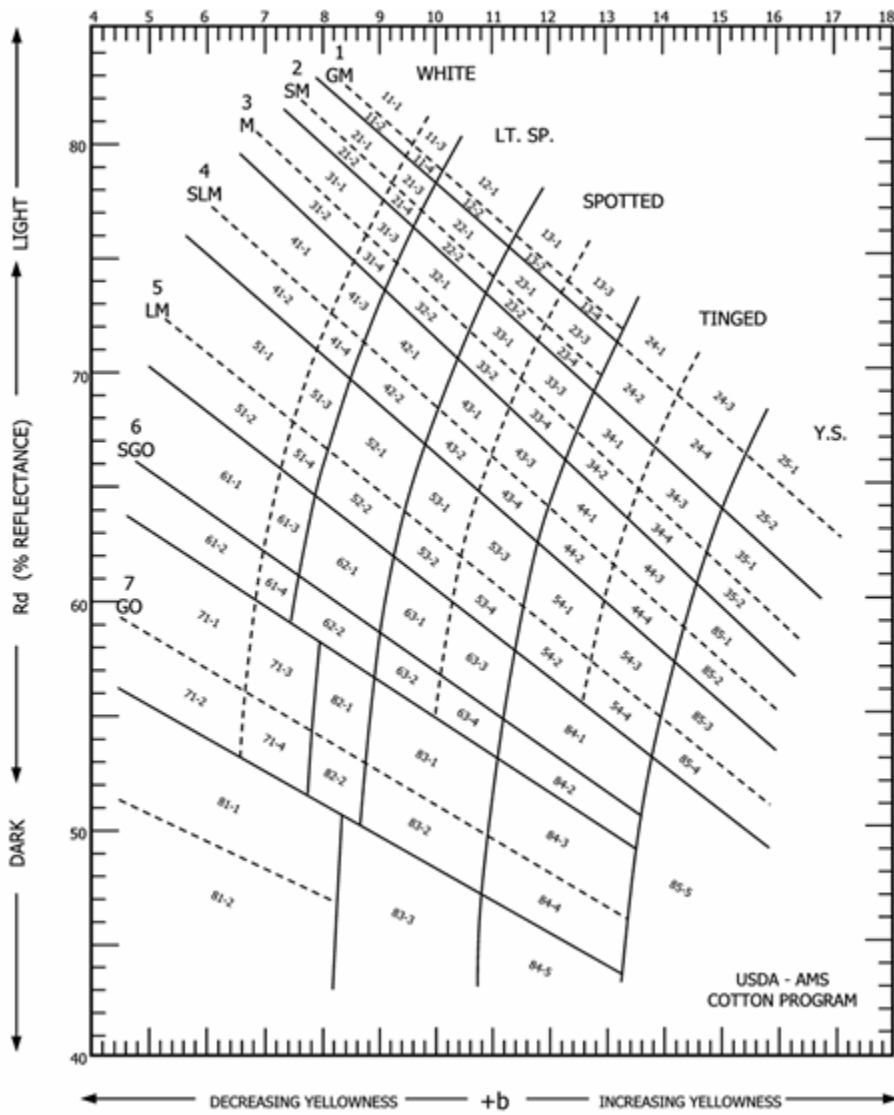
Treflan-registered trademark of Helena Chemical

Roundup-registered trademark of Monsanto

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Roundup Ready Flex-registered trademark of Monsanto





## Exhibit A

Color Chart for American Upland Cotton

Table 1. Production information for irrigated performance test at the Donald Love Farm, Lamesa, TX 2007.

|                                   |  |
|-----------------------------------|--|
| Test:                             | Cotton Variety Test                              |
| Planting Date:                    | June 1   |
| Row Spacing:                      | 40in   |
| Planting Pattern:                 | Solid  |
| Herbicide:                        | Treflan @ 1qt/A applied pre-plant                |
| Fertilizer:                       | 110 units of 32%N applied by fertigation         |
| Irrigations:<br>(subsurface drip) | .25 acre-in applied through the season as needed |
| Insecticide:                      | Layby Pro @ 1.5pt/A applied August 1             |
| Harvest Aids:                     | Prep and Def @ 1 pt/A applied October 25         |
| Harvest Date:                     | November 11                                      |
| Freeze Date:                      | November 15                                      |

Table 2. Results of the irrigated cotton variety test at the Donald Love Farm, Lamesa, TX, 2007.

| Designation               | Yield | Agronomic Properties |      |        |        |              |               |               |                  |      | % Open<br>Bolls<br>10/9/07 | Storm<br>Resistance |
|---------------------------|-------|----------------------|------|--------|--------|--------------|---------------|---------------|------------------|------|----------------------------|---------------------|
|                           |       | % Turnout            |      | % Lint |        | Boll<br>Size | Seed<br>Index | Lint<br>Index | Seed Per<br>Boll |      |                            |                     |
|                           |       | Lint                 | Seed | Picked | Pulled |              |               |               |                  |      |                            |                     |
| FiberMax 9060F            | 1661  | 31.8                 | 46.5 | 38.7   | 30.3   | 5.7          | 10.8          | 7.0           | 31.6             | 54   | 2.7                        |                     |
| FiberMax 1740B2F          | 1612  | 31.5                 | 44.5 | 39.2   | 30.8   | 5.0          | 10.0          | 6.7           | 29.3             | 44   | 2.6                        |                     |
| FiberMax 9063B2F          | 1611  | 29.1                 | 47.1 | 37.2   | 28.6   | 5.9          | 11.0          | 6.7           | 32.5             | 53   | 2.9                        |                     |
| Deltapine 445BG/RR        | 1594  | 31.9                 | 44.5 | 41.3   | 29.4   | 4.6          | 9.5           | 6.9           | 28.0             | 37   | 2.2                        |                     |
| FiberMax 9058F            | 1592  | 31.1                 | 44.5 | 39.4   | 31.2   | 5.3          | 10.6          | 7.1           | 29.1             | 55   | 2.9                        |                     |
| PhytoGen 310 R            | 1578  | 30.9                 | 43.4 | 41.0   | 29.6   | 4.8          | 9.2           | 6.6           | 29.4             | 53   | 1.6                        |                     |
| Deltapine 121RF           | 1535  | 31.9                 | 43.1 | 41.2   | 30.9   | 4.4          | 9.4           | 6.8           | 26.3             | 55   | 2.3                        |                     |
| FiberMax 9150F            | 1526  | 30.0                 | 42.0 | 39.8   | 32.3   | 6.9          | 10.4          | 7.1           | 31.3             | 63   | 3.0                        |                     |
| FiberMax 958              | 1509  | 29.6                 | 43.6 | 38.5   | 29.4   | 5.5          | 9.7           | 6.2           | 33.7             | 37   | 2.9                        |                     |
| PhytoGen 440 W            | 1505  | 31.0                 | 46.5 | 38.2   | 28.9   | 5.5          | 9.5           | 6.2           | 34.1             | 45   | 2.4                        |                     |
| Croplan Genetics 3220B2RF | 1503  | 29.2                 | 45.2 | 38.9   | 28.6   | 5.0          | 9.6           | 6.3           | 30.8             | 69   | 2.3                        |                     |
| FiberMax 1835LLB2         | 1472  | 28.2                 | 44.4 | 37.1   | 29.0   | 6.3          | 10.5          | 6.4           | 36.4             | 62   | 2.6                        |                     |
| Croplan Genetics 3520B2RF | 1463  | 29.3                 | 45.8 | 38.6   | 28.8   | 4.4          | 9.2           | 6.0           | 28.4             | 67   | 2.3                        |                     |
| Croplan Genetics 3020B2RF | 1461  | 28.0                 | 45.5 | 38.0   | 29.1   | 5.1          | 9.9           | 6.2           | 31.0             | 55   | 2.3                        |                     |
| PhytoGen 370 WR           | 1459  | 28.0                 | 44.2 | 40.3   | 31.3   | 5.1          | 9.1           | 6.3           | 32.4             | 66   | 1.7                        |                     |
| FiberMax 1840B2F          | 1420  | 28.8                 | 47.2 | 35.5   | 26.8   | 4.6          | 11.1          | 6.5           | 25.5             | 56   | 2.6                        |                     |
| FiberMax 9180B2F          | 1418  | 28.6                 | 45.5 | 36.3   | 27.4   | 5.8          | 10.8          | 6.3           | 33.2             | 63   | 2.9                        |                     |
| Croplan Genetics 4020B2RF | 1411  | 28.6                 | 45.5 | 37.9   | 28.2   | 4.9          | 9.4           | 6.0           | 31.4             | 48   | 2.4                        |                     |
| Croplan Genetics 3035RF   | 1408  | 30.4                 | 44.8 | 40.6   | 30.4   | 4.7          | 9.2           | 6.5           | 29.2             | 51   | 2.2                        |                     |
| FiberMax 988LLB2          | 1389  | 27.8                 | 46.5 | 36.3   | 26.4   | 5.2          | 9.8           | 5.8           | 32.6             | 52   | 2.6                        |                     |
| Deltapine 141B2RF         | 1371  | 30.3                 | 45.3 | 37.0   | 29.4   | 5.3          | 9.0           | 5.5           | 35.7             | 37   | 2.5                        |                     |
| Deltapine 143B2RF         | 1333  | 28.9                 | 47.5 | 36.8   | 30.7   | 5.3          | 9.1           | 5.5           | 35.1             | 60   | 2.6                        |                     |
| FiberMax 1735LLB2         | 1315  | 28.3                 | 45.7 | 37.9   | 27.3   | 4.6          | 9.8           | 6.1           | 28.6             | 40   | 2.6                        |                     |
| Seed Tec Genetics 210     | 1295  | 30.2                 | 46.5 | 38.5   | 29.3   | 5.2          | 8.6           | 5.5           | 35.8             | 51   | 2.4                        |                     |
| FiberMax 1880B2F          | 1293  | 28.0                 | 45.9 | 36.4   | 28.5   | 5.4          | 9.9           | 5.9           | 33.9             | 31   | 2.3                        |                     |
| PhytoGen 480 WR           | 1276  | 27.3                 | 44.6 | 36.8   | 27.2   | 4.5          | 9.0           | 5.5           | 30.1             | 65   | 1.9                        |                     |
| FiberMax 955LLB2          | 1270  | 29.3                 | 44.4 | 36.8   | 27.4   | 6.1          | 11.2          | 6.7           | 33.8             | 45   | 2.9                        |                     |
| Dyna-Gro OA265 BR         | 1227  | 26.9                 | 44.3 | 37.5   | 27.4   | 5.2          | 10.5          | 6.6           | 29.2             | 10   | 2.4                        |                     |
| Mean                      | 1447  | 29.4                 | 45.1 | 38.2   | 29.1   | 5.2          | 9.8           | 6.3           | 31.3             | 52   | 2.5                        |                     |
| c.v.%                     | 6.7   | 2.7                  | 3.3  | 1.7    | 4.0    | 10.5         | 2.9           | 3.6           | 7.3              | 19.3 | 7.0                        |                     |
| LSD 0.05                  | 113   | 1.4                  | 2.5  | 1.1    | 2.0    | 0.9          | 0.5           | 0.4           | 3.9              | 17   | 0.2                        |                     |

Table 2A. Results of the irrigated cotton variety test at the Donald Love Farm, Lamesa, TX, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                           |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| FiberMax 9060F            | 3.4             | 1.18   | 80.2            | 26.3     | 8.0             | 2             | 78.7 | 8.0 | 31-1,31-2                    | 0.5515        | 916.04                    | 2    |
| FiberMax 1740B2F          | 3.5             | 1.11   | 81.0            | 29.2     | 7.8             | 3             | 81.4 | 7.3 | 21-1,31-2                    | 0.5618        | 905.62                    | 3    |
| FiberMax 9063B2F          | 3.6             | 1.19   | 80.4            | 25.1     | 8.3             | 2             | 78.7 | 8.0 | 31-1,31-2                    | 0.5615        | 904.58                    | 4    |
| Deltapine 445BG/RR        | 3.7             | 1.12   | 81.0            | 26.9     | 9.7             | 2             | 81.2 | 8.2 | 21-1                         | 0.5800        | 924.52                    | 1    |
| FiberMax 9058F            | 3.5             | 1.08   | 81.3            | 28.9     | 9.0             | 4             | 77.1 | 7.9 | 31-2,41-1                    | 0.5115        | 814.31                    | 11   |
| PhytoGen 310 R            | 3.4             | 1.14   | 78.7            | 28.0     | 7.9             | 4             | 77.6 | 7.1 | 31-1,41-2                    | 0.5320        | 839.50                    | 9    |
| Deltapine 121RF           | 4.1             | 1.13   | 81.9            | 25.5     | 9.6             | 3             | 78.4 | 8.1 | 21-2,31-2                    | 0.5760        | 884.16                    | 5    |
| FiberMax 9150F            | 3.7             | 1.19   | 80.7            | 28.5     | 8.3             | 2             | 76.5 | 8.8 | 31-1,31-4                    | 0.5750        | 877.45                    | 6    |
| FiberMax 958              | 3.8             | 1.13   | 81.0            | 28.7     | 9.1             | 2             | 79.8 | 8.1 | 21-2,31-1                    | 0.5803        | 875.67                    | 7    |
| PhytoGen 440 W            | 3.6             | 1.15   | 81.7            | 25.8     | 8.7             | 2             | 80.0 | 7.8 | 21-2,31-1                    | 0.5770        | 868.39                    | 8    |
| Croplan Genetics 3220B2RF | 3.6             | 1.13   | 79.3            | 24.3     | 9.6             | 2             | 80.2 | 8.2 | 21-1,31-1                    | 0.5583        | 839.12                    | 10   |
| FiberMax 1835LLB2         | 3.2             | 1.19   | 79.9            | 28.7     | 8.5             | 2             | 81.5 | 7.4 | 21-1,31-1                    | 0.5410        | 796.35                    | 13   |
| Croplan Genetics 3520B2RF | 3.6             | 1.14   | 80.5            | 24.2     | 9.4             | 4             | 74.0 | 7.9 | 41-4,41-4                    | 0.5235        | 765.88                    | 18   |
| Croplan Genetics 3020B2RF | 3.5             | 1.09   | 81.6            | 24.1     | 9.6             | 3             | 78.6 | 7.9 | 31-1                         | 0.5428        | 793.03                    | 16   |
| PhytoGen 370 WR           | 3.5             | 1.08   | 81.5            | 27.1     | 8.8             | 2             | 79.2 | 8.5 | 21-2,31-1                    | 0.5448        | 794.86                    | 15   |
| FiberMax 1840B2F          | 3.6             | 1.16   | 82.7            | 30.5     | 8.0             | 4             | 80.5 | 7.5 | 21-2,31-2                    | 0.5710        | 810.82                    | 12   |
| FiberMax 9180B2F          | 3.8             | 1.16   | 79.3            | 27.1     | 7.9             | 4             | 73.4 | 7.6 | 41-1,51-3                    | 0.5153        | 730.70                    | 21   |
| Croplan Genetics 4020B2RF | 3.5             | 1.15   | 81.6            | 25.9     | 9.6             | 2             | 77.8 | 8.7 | 21-1,31-4                    | 0.5643        | 796.23                    | 14   |
| Croplan Genetics 3035RF   | 3.4             | 1.13   | 78.9            | 27.1     | 9.6             | 3             | 77.8 | 8.1 | 21-1,41-2                    | 0.5120        | 720.90                    | 22   |
| FiberMax 988LLB2          | 3.7             | 1.10   | 80.8            | 26.1     | 9.4             | 2             | 79.2 | 8.1 | 31-1                         | 0.5655        | 785.48                    | 17   |
| Deltapine 141B2RF         | 3.5             | 1.17   | 79.0            | 26.2     | 9.0             | 4             | 79.5 | 7.4 | 31-1,31-2                    | 0.5383        | 738.01                    | 19   |
| Deltapine 143B2RF         | 3.3             | 1.16   | 79.0            | 27.1     | 8.7             | 5             | 75.8 | 7.1 | 41-1                         | 0.4885        | 651.17                    | 27   |
| FiberMax 1735LLB2         | 3.3             | 1.16   | 83.4            | 30.9     | 8.4             | 5             | 73.7 | 7.5 | 41-2                         | 0.4803        | 631.59                    | 28   |
| Seed Tec Genetics 210     | 3.5             | 1.13   | 81.7            | 26.0     | 9.8             | 3             | 75.1 | 8.4 | 31-1,41-4                    | 0.5328        | 689.98                    | 26   |
| FiberMax 1880B2F          | 3.5             | 1.14   | 80.7            | 29.0     | 8.8             | 2             | 77.9 | 8.6 | 31-1                         | 0.5668        | 732.87                    | 20   |
| PhytoGen 480 WR           | 3.8             | 1.13   | 80.7            | 22.5     | 9.9             | 3             | 78.6 | 7.9 | 31-1,31-2                    | 0.5430        | 692.87                    | 25   |
| FiberMax 955LLB2          | 3.5             | 1.18   | 81.3            | 28.4     | 8.4             | 2             | 79.6 | 8.2 | 31-1                         | 0.5560        | 706.12                    | 24   |
| Dyna-Gro OA265 BR         | 3.7             | 1.14   | 81.2            | 29.5     | 8.2             | 1             | 79.1 | 8.1 | 31-1                         | 0.5783        | 709.57                    | 23   |
| Mean                      | 3.5             | 1.14   | 80.7            | 27.0     | 8.8             | 3             | 78.2 | 7.9 |                              | 0.5470        |                           |      |
| c.v.%                     | 5.5             | 2.4    | 1.1             | 4.0      | 4.2             | 41.3          | 3.0  | 5.1 |                              | 4.5           |                           |      |
| LSD 0.05                  | 0.3             | 0.05   | 1.5             | 1.8      | 0.6             | 2             | 4.0  | 0.7 |                              | 0.0416        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grade from these two samples are identical, only one color grade is reported.

Table 3. Yield summary of the irrigated cotton variety test at the Donald Love Farm, Lamesa, TX.

| Designation     | 2003               | 2004 | 2005 | 2006 | 2007 | Average | Comp. Average* |
|-----------------|--------------------|------|------|------|------|---------|----------------|
|                 | Five Year Average  |      |      |      |      |         |                |
| FiberMax 958    | 1375               | 950  | 1451 | 1519 | 1509 | 1361    |                |
|                 | Three Year Average |      |      |      |      |         |                |
| PhytoGen 310 R  |                    |      | 1145 | 1338 | 1578 | 1354    | 1227           |
| PhytoGen 370 WR |                    |      | 1340 | 1365 | 1459 | 1388    | 1260           |
| PhytoGen 440 W  |                    |      | 1442 | 1596 | 1505 | 1514    | 1387           |
| PhytoGen 480 WR |                    |      | 1326 | 1414 | 1276 | 1339    | 1210           |

\*Patterson, R.E. 1950. A method of adjustment for calculating comparable yields in variety tests.

Table 4. Production information for irrigated performance test at Texas AgriLife Research, Halfway, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | Cotton Variety Test  |
| Planting Date:    | May 17   |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Treflan 1 ¼ pt/A applied pre-plant   |
| Fertilizer:       | 100-20-0 lbs/A applied pre-plant   |
| Irrigations:      | 3.0 acre-in on July 29-30  |
| Insecticide:      | Temik @ 3.2 lbs/A at planting  |
| Harvest Aids:     | Prep @ 32oz/A and Def 6 16oz/A October 17<br>Gramoxone @ 24oz/A October 29 |
| Harvest Date:     | November 5   |
| Freeze Date:      | October 23   |

Table 5. Results of the irrigated cotton variety test at Texas AgriLife Research, Halfway, TX 2007.

| Designation               | Yield | Agronomic Properties |      |        |        |              |               |               |                  | % Open<br>Bolls<br>10/10/07 | Storm<br>Resistance |
|---------------------------|-------|----------------------|------|--------|--------|--------------|---------------|---------------|------------------|-----------------------------|---------------------|
|                           |       | % Turnout            |      | % Lint |        | Boll<br>Size | Seed<br>Index | Lint<br>Index | Seed Per<br>Boll |                             |                     |
|                           |       | Lint                 | Seed | Picked | Pulled |              |               |               |                  |                             |                     |
| Deltapine 445BG/RR        | 1166  | 33.1                 | 44.0 | 44.8   | 32.3   | 4.5          | 9.3           | 7.7           | 26.2             | 68                          | 2.7                 |
| FiberMax 1740B2F          | 1103  | 32.9                 | 43.7 | 44.4   | 34.0   | 5.0          | 9.6           | 8.0           | 27.9             | 67                          | 2.8                 |
| FiberMax 1600LL           | 1098  | 32.1                 | 43.7 | 43.2   | 33.0   | 4.8          | 10.9          | 8.6           | 24.4             | 79                          | 2.9                 |
| Croplan Genetics 3035RF   | 1073  | 32.0                 | 43.3 | 45.4   | 37.7   | 5.6          | 9.4           | 8.2           | 30.8             | 68                          | 2.6                 |
| FiberMax 988LLB2          | 1067  | 31.9                 | 46.1 | 41.9   | 30.3   | 5.4          | 10.0          | 7.7           | 29.1             | 67                          | 2.8                 |
| FiberMax 958              | 1038  | 31.1                 | 43.5 | 43.8   | 32.5   | 5.6          | 10.7          | 8.7           | 28.0             | 81                          | 3.0                 |
| Deltapine 121RF           | 1033  | 30.7                 | 42.1 | 44.8   | 32.6   | 5.1          | 9.0           | 7.5           | 26.5             | 88                          | 2.6                 |
| Deltapine 141B2RF         | 1022  | 29.7                 | 44.2 | 41.1   | 28.7   | 5.4          | 8.5           | 6.1           | 30.6             | 75                          | 2.7                 |
| Deltapine 104 B2F         | 1013  | 28.7                 | 47.0 | 39.6   | 30.8   | 5.4          | 10.2          | 7.2           | 29.6             | 91                          | 2.6                 |
| FiberMax 955LLB2          | 1004  | 29.5                 | 44.3 | 41.3   | 29.7   | 5.3          | 10.6          | 7.9           | 28.0             | 66                          | 2.9                 |
| FiberMax 9063B2F          | 1001  | 27.3                 | 43.9 | 40.9   | 30.7   | 6.0          | 11.4          | 8.3           | 29.5             | 83                          | 2.9                 |
| PhytoGen 310 R            | 999   | 28.9                 | 39.7 | 44.0   | 33.7   | 5.4          | 9.9           | 8.2           | 29.0             | 68                          | 2.5                 |
| FiberMax 9058F            | 971   | 30.8                 | 42.8 | 39.7   | 29.3   | 5.1          | 10.7          | 8.1           | 24.8             | 91                          | 2.9                 |
| Paymaster 2141B2RF        | 971   | 29.0                 | 44.3 | 41.2   | 30.3   | 5.1          | 11.9          | 8.8           | 23.9             | 86                          | 3.0                 |
| Croplan Genetics 3220B2RF | 970   | 28.4                 | 42.5 | 43.4   | 33.2   | 5.2          | 10.1          | 8.0           | 28.3             | 56                          | 2.7                 |
| FiberMax 9180B2F          | 970   | 26.4                 | 42.0 | 42.1   | 29.5   | 4.7          | 10.5          | 7.9           | 29.0             | 79                          | 2.9                 |
| Croplan Genetics 3020B2RF | 951   | 28.0                 | 43.3 | 40.5   | 30.6   | 5.5          | 10.1          | 7.4           | 27.6             | 80                          | 2.7                 |
| FiberMax 9060F            | 950   | 29.3                 | 42.1 | 42.6   | 30.9   | 5.6          | 9.8           | 8.0           | 29.9             | 78                          | 2.9                 |
| FiberMax 1735LLB2         | 947   | 31.1                 | 44.3 | 41.5   | 31.9   | 4.8          | 10.4          | 7.7           | 25.7             | 82                          | 2.8                 |
| Croplan Genetics 4020B2RF | 946   | 29.0                 | 43.1 | 41.7   | 31.2   | 5.0          | 9.0           | 6.9           | 30.4             | 61                          | 2.6                 |
| Seed Tec Genetics 210     | 944   | 28.8                 | 44.9 | 41.6   | 32.3   | 5.0          | 9.0           | 6.5           | 32.4             | 53                          | 2.8                 |
| PhytoGen 370 WR           | 939   | 30.4                 | 40.9 | 45.7   | 34.3   | 4.8          | 8.5           | 7.2           | 26.6             | 58                          | 2.5                 |
| PhytoGen 480 WR           | 939   | 28.9                 | 45.6 | 40.6   | 29.6   | 3.6          | 9.3           | 6.6           | 22.4             | 69                          | 2.6                 |
| Paymaster 145             | 923   | 32.2                 | 44.7 | 45.1   | 30.4   | 4.8          | 10.9          | 7.9           | 27.1             | 92                          | 3.2                 |
| FiberMax 9150F            | 911   | 28.0                 | 40.1 | 44.0   | 32.7   | 5.3          | 10.7          | 8.6           | 26.8             | 88                          | 3.0                 |
| Deltapine 143B2RF         | 903   | 27.6                 | 43.7 | 42.3   | 31.3   | 5.0          | 9.3           | 7.0           | 30.4             | 84                          | 2.7                 |
| FiberMax 1840B2F          | 899   | 28.4                 | 43.5 | 41.7   | 32.8   | 4.9          | 10.5          | 8.3           | 27.8             | 67                          | 2.9                 |
| PhytoGen 440 W            | 852   | 24.6                 | 44.0 | 42.7   | 30.2   | 4.9          | 9.4           | 7.4           | 26.1             | 70                          | 2.7                 |
| AFD 5065B2F               | 757   | 22.4                 | 30.5 | 39.7   | 29.6   | 5.7          | 10.2          | 6.9           | 32.6             | 85                          | 3.0                 |
| Dyna-Gro OA265 BR         | 697   | 25.9                 | 43.6 | 40.6   | 29.2   | 4.8          | 11.2          | 7.9           | 27.6             | 70                          | 2.4                 |
| Mean                      | 968   | 29.2                 | 43.0 | 42.4   | 31.5   | 5.1          | 10.0          | 7.7           | 27.9             | 75                          | 2.8                 |
| c.v.%                     | 12.3  | 4.4                  | 2.5  | 3.1    | 4.1    | 11.4         | 6.0           | 5.8           | 8.1              | 14.0                        | 3.1                 |
| LSD 0.05                  | 140   | 2.2                  | 1.8  | 2.3    | 2.0    | 1.0          | 1.0           | 0.8           | 3.8              | 18                          | 0.1                 |

Table 5A. Results of the irrigated cotton variety test at Texas AgriLife Research, Halfway, Tx, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elongation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------------|-----------------|--------|-----------------|----------|------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                           |                 |        |                 |          |            |               |      |     |                              |               | \$                        | Rank |
| Deltapine 445BG/RR        | 4.3             | 1.08   | 81.1            | 29.4     | 9.8        | 1             | 79.8 | 9.1 | 21-1,21-3                    | 0.5608        | 653.89                    | 1    |
| FiberMax 1740B2F          | 4.6             | 1.08   | 81.3            | 29.2     | 8.8        | 2             | 80.0 | 8.5 | 21-1,21-2                    | 0.5513        | 608.19                    | 3    |
| FiberMax 1600LL           | 4.4             | 1.12   | 81.6            | 26.7     | 7.4        | 2             | 80.7 | 7.8 | 21-2,31-1                    | 0.5813        | 638.38                    | 2    |
| Croplan Genetics 3035RF   | 4.1             | 1.08   | 81.2            | 26.9     | 9.8        | 1             | 79.0 | 9.2 | 21-1                         | 0.5605        | 601.52                    | 5    |
| FiberMax 988LLB2          | 4.8             | 1.08   | 79.3            | 26.6     | 7.9        | 3             | 78.3 | 8.2 | 21-2,31-2                    | 0.5640        | 601.79                    | 4    |
| FiberMax 958              | 4.7             | 1.11   | 81.1            | 28.0     | 7.8        | 1             | 80.6 | 8.6 | 21-1                         | 0.5790        | 601.00                    | 6    |
| Deltapine 121RF           | 4.9             | 1.09   | 81.7            | 27.4     | 9.4        | 1             | 78.2 | 9.1 | 21-1,21-4                    | 0.5673        | 586.12                    | 9    |
| Deltapine 141B2RF         | 4.1             | 1.11   | 79.6            | 27.4     | 8.7        | 2             | 79.3 | 8.6 | 21-1,31-1                    | 0.5760        | 588.67                    | 8    |
| Deltapine 104 B2RF        | 4.3             | 1.07   | 81.4            | 28.5     | 9.0        | 2             | 77.4 | 8.7 | 31-1,31-3                    | 0.5420        | 549.05                    | 16   |
| FiberMax 955LLB2          | 4.8             | 1.16   | 82.2            | 28.5     | 8.1        | 1             | 76.9 | 8.1 | 31-1,41-1                    | 0.5628        | 565.05                    | 10   |
| FiberMax 9063B2F          | 4.2             | 1.18   | 81.0            | 30.3     | 7.6        | 1             | 82.2 | 8.0 | 11-2,21-1                    | 0.5900        | 590.59                    | 7    |
| PhytoGen 310 R            | 4.2             | 1.09   | 82.2            | 29.3     | 8.9        | 3             | 76.9 | 9.0 | 21-1,31-4                    | 0.5413        | 540.86                    | 20   |
| FiberMax 9058F            | 4.5             | 1.13   | 80.6            | 29.0     | 7.1        | 2             | 80.1 | 8.2 | 21-2                         | 0.5793        | 562.60                    | 12   |
| Paymaster 2141B2RF        | 4.5             | 1.11   | 81.3            | 28.4     | 7.7        | 3             | 77.7 | 8.6 | 31-1                         | 0.5705        | 554.05                    | 14   |
| Croplan Genetics 3220B2RF | 4.0             | 1.13   | 81.4            | 27.4     | 8.8        | 1             | 78.9 | 8.8 | 21-1,31-3                    | 0.5623        | 545.53                    | 19   |
| FiberMax 9180B2F          | 4.4             | 1.16   | 82.2            | 30.7     | 7.8        | 2             | 80.1 | 8.0 | 21-2,31-1                    | 0.5820        | 564.54                    | 11   |
| Croplan Genetics 3020B2RF | 4.5             | 1.06   | 81.0            | 26.6     | 8.9        | 1             | 80.3 | 8.8 | 21-1,21-2                    | 0.5458        | 519.06                    | 23   |
| FiberMax 9060F            | 4.4             | 1.15   | 80.8            | 27.4     | 7.0        | 1             | 79.4 | 8.4 | 21-1,31-1                    | 0.5823        | 553.28                    | 15   |
| FiberMax 1735LLB2         | 4.7             | 1.12   | 82.0            | 29.3     | 6.4        | 1             | 80.6 | 8.0 | 21-2                         | 0.5880        | 556.84                    | 13   |
| Croplan Genetics 4020B2RF | 4.5             | 1.12   | 81.1            | 25.3     | 8.5        | 2             | 78.1 | 9.1 | 21-2                         | 0.5790        | 547.73                    | 17   |
| Seed Tec Genetics 210     | 4.1             | 1.11   | 81.8            | 28.6     | 8.8        | 1             | 81.2 | 8.4 | 21-1,21-2                    | 0.5790        | 546.58                    | 18   |
| PhytoGen 370 WR           | 4.6             | 1.06   | 81.7            | 27.0     | 8.7        | 1             | 78.6 | 9.4 | 21-1,21-3                    | 0.5330        | 500.49                    | 25   |
| PhytoGen 480 WR           | 4.7             | 1.10   | 82.4            | 29.0     | 9.2        | 3             | 75.5 | 9.2 | 31-3,31-4                    | 0.5708        | 535.98                    | 21   |
| Paymaster 145             | 4.6             | 1.02   | 79.3            | 26.2     | 8.7        | 2             | 78.9 | 8.2 | 31-1                         | 0.5040        | 465.19                    | 28   |
| FiberMax 9150F            | 4.0             | 1.15   | 80.8            | 29.7     | 7.0        | 2             | 80.1 | 8.1 | 21-2,31-1                    | 0.5850        | 532.94                    | 22   |
| Deltapine 143B2RF         | 3.7             | 1.14   | 80.3            | 28.4     | 8.1        | 2             | 79.5 | 8.1 | 31-1                         | 0.5665        | 511.64                    | 24   |
| FiberMax 1840B2F          | 4.7             | 1.02   | 81.9            | 30.3     | 8.4        | 2             | 77.4 | 9.2 | 21-2,31-3                    | 0.5180        | 465.68                    | 27   |
| PhytoGen 440 W            | 4.6             | 1.10   | 82.9            | 28.4     | 9.4        | 3             | 78.4 | 9.0 | 21-1,21-2                    | 0.5778        | 492.29                    | 26   |
| AFD 5065B2F               | 4.3             | 1.10   | 79.7            | 28.2     | 8.7        | 2             | 79.1 | 8.3 | 21-2,31-1                    | 0.5748        | 435.12                    | 29   |
| Dyna-Gro OA265 BR         | 3.8             | 1.16   | 83.5            | 35.5     | 8.6        | 2             | 78.5 | 8.6 | 31-1                         | 0.5853        | 408.02                    | 30   |
| Mean                      | 4.4             | 1.10   | 81.2            | 28.4     | 8.3        | 2             | 79.0 | 8.5 |                              | 0.5650        |                           |      |
| c.v.%                     | 6.3             | 2.0    | 1.1             | 3.5      | 3.7        | 47            | 1.8  | 2.9 |                              | 3.2000        |                           |      |
| LSD 0.05                  | 0.5             | 0.04   | 1.5             | 1.7      | 0.5        | 1             | 2.4  | 0.4 |                              | 0.0306        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grade from these two samples are identical, only one color grade is reported.



Table 6. Yield summary of the irrigated cotton variety test at Texas AgriLife Research, Halfway, TX.

| Designation     | 2005                      | 2006 | 2007 | Average |
|-----------------|---------------------------|------|------|---------|
|                 | <u>Three Year Average</u> |      |      |         |
| PhytoGen 310 R  | 1149                      | 1667 | 999  | 1272    |
| PhytoGen 370 WR | 1178                      | 1602 | 939  | 1240    |
| PhytoGen 480 WR | 1063                      | 1647 | 939  | 1216    |
| PhytoGen 440 W  | 1359                      | 1596 | 852  | 1269    |

Table 7. Production information for irrigated performance test at Texas AgriLife Research, Lubbock, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | Regional Cotton Variety Test                               |
| Planting Date:    | May 5  |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Prowl @ 1qt/A applied pre-plant                            |
| Fertilizer:       | 100-2-0 lbs/A applied pre-plant                            |
| Irrigations:      | 2.1 acre-in on July 19<br>2.7 acre-in on August 14         |
| Insecticide:      | Temik @ 3.2 lbs/A at planting<br>Intruder @ 1oz/A August 7 |
| Harvest Aids:     | Gramoxone @24 oz/A and Aim @ 1oz/A November 2              |
| Harvest Date:     | November 20  |
| Freeze Date:      | October 23   |

Table 8. Results of the irrigated regional cotton variety test at Texas AgriLife Research, Lubbock, TX, 2007

| Designation                  | Yield | Agronomic Properties |      |        |        |           |            |            |               | % Open Bolls<br>10/15/07 | Storm Resistance |
|------------------------------|-------|----------------------|------|--------|--------|-----------|------------|------------|---------------|--------------------------|------------------|
|                              |       | % Turnout            |      | % Lint |        | Boll Size | Seed Index | Lint Index | Seed Per Boll |                          |                  |
|                              |       | Lint                 | Seed | Picked | Pulled |           |            |            |               |                          |                  |
| FiberMax 9058F               | 1609  | 29.3                 | 43.9 | 38.7   | 28.8   | 6.1       | 10.5       | 7.0        | 31.2          | 86                       | 2.9              |
| FiberMax 1835LLB2            | 1431  | 27.0                 | 44.2 | 38.1   | 28.1   | 5.5       | 11.3       | 7.3        | 28.7          | 86                       | 2.6              |
| FiberMax 958LL               | 1430  | 28.2                 | 43.3 | 39.1   | 29.5   | 5.9       | 9.8        | 6.6        | 34.7          | 87                       | 2.9              |
| FiberMax 9060F               | 1420  | 28.4                 | 42.8 | 39.1   | 29.8   | 5.7       | 10.5       | 7.1        | 31.7          | 87                       | 2.8              |
| FiberMax 9150F               | 1416  | 28.5                 | 41.8 | 38.5   | 32.9   | 6.3       | 10.7       | 7.1        | 33.9          | 78                       | 2.9              |
| FiberMax 9063B2F             | 1388  | 27.2                 | 44.0 | 37.1   | 27.3   | 6.0       | 11.4       | 7.0        | 32.0          | 89                       | 2.9              |
| FiberMax 958                 | 1381  | 28.1                 | 42.3 | 38.3   | 30.6   | 4.3       | 10.5       | 6.9        | 23.6          | 75                       | 2.9              |
| FiberMax 9180B2F             | 1366  | 27.2                 | 43.9 | 37.9   | 27.5   | 5.6       | 10.5       | 6.6        | 31.9          | 82                       | 2.9              |
| FiberMax 1735LLB2            | 1354  | 28.6                 | 44.4 | 38.7   | 30.2   | 6.1       | 9.9        | 6.5        | 36.3          | 84                       | 2.7              |
| FiberMax 1600LL              | 1342  | 30.1                 | 44.2 | 39.7   | 29.5   | 5.0       | 9.5        | 6.6        | 30.0          | 87                       | 2.7              |
| FiberMax 988LLB2             | 1338  | 27.0                 | 45.0 | 36.5   | 28.4   | 6.6       | 10.0       | 6.1        | 39.1          | 63                       | 2.7              |
| NexGen 2448 R                | 1324  | 28.7                 | 43.5 | 37.5   | 28.2   | 4.7       | 9.5        | 6.7        | 25.9          | 81                       | 3.1              |
| FiberMax 960B2R              | 1304  | 28.1                 | 44.2 | 38.2   | 28.9   | 4.7       | 9.8        | 6.5        | 28.3          | 68                       | 2.8              |
| Deltapine 164B2RF            | 1287  | 29.1                 | 48.4 | 36.6   | 26.8   | 4.8       | 8.5        | 5.2        | 33.7          | 72                       | 2.5              |
| FiberMax 5044R               | 1258  | 29.5                 | 47.2 | 34.9   | 29.0   | 6.1       | 10.4       | 5.3        | 31.9          | 78                       | 2.9              |
| Deltapine 455BG/RR           | 1257  | 31.0                 | 41.5 | 41.8   | 32.4   | 5.2       | 8.4        | 6.3        | 34.8          | 71                       | 2.3              |
| Paymaster 3535BG/RR          | 1246  | 28.4                 | 43.2 | 40.0   | 30.4   | 5.5       | 8.9        | 6.3        | 34.6          | 53                       | 2.7              |
| Paymaster 2167RR             | 1218  | 29.8                 | 45.7 | 37.0   | 28.7   | 4.7       | 9.6        | 6.1        | 28.3          | 80                       | 3.0              |
| Paymaster 2266RR             | 1213  | 27.0                 | 47.9 | 34.3   | 26.7   | 6.0       | 11.8       | 6.6        | 31.0          | 69                       | 3.0              |
| All-Tex Excess RR            | 1198  | 25.6                 | 46.8 | 33.9   | 26.3   | 4.6       | 10.9       | 6.1        | 26.0          | 77                       | 3.1              |
| Beltwide Cotton Genetics 24R | 1185  | 25.4                 | 44.1 | 37.1   | 28.2   | 4.5       | 8.5        | 5.6        | 29.5          | 79                       | 2.7              |
| Deltapine 121RF              | 1179  | 28.4                 | 42.3 | 40.6   | 29.6   | 5.8       | 9.0        | 6.5        | 35.5          | 80                       | 2.8              |
| Paymaster 2326RR             | 1173  | 26.4                 | 46.0 | 35.8   | 27.9   | 4.7       | 10.6       | 6.3        | 26.9          | 73                       | 3.0              |
| PhytoGen 310 R               | 1172  | 29.2                 | 43.1 | 40.6   | 29.6   | 5.1       | 9.1        | 6.6        | 31.6          | 53                       | 2.0              |
| Croplan Genetics 3520B2RF    | 1152  | 25.2                 | 41.0 | 36.9   | 26.6   | 4.7       | 8.8        | 5.5        | 31.8          | 76                       | 2.5              |
| Deltapine 117B2RF            | 1149  | 26.9                 | 42.3 | 37.2   | 27.7   | 4.9       | 8.4        | 5.6        | 32.8          | 88                       | 2.7              |
| FiberMax 1880B2F             | 1142  | 26.4                 | 45.3 | 36.8   | 33.1   | 5.7       | 9.4        | 5.8        | 35.3          | 64                       | 2.4              |
| PhytoGen 370 WR              | 1128  | 27.7                 | 41.4 | 40.3   | 30.2   | 5.2       | 9.0        | 6.4        | 33.0          | 75                       | 2.2              |
| FiberMax 1740B2F             | 1111  | 28.2                 | 41.4 | 40.9   | 31.1   | 5.5       | 9.3        | 6.8        | 32.8          | 67                       | 2.6              |
| PhytoGen 440 W               | 1103  | 25.9                 | 42.8 | 38.9   | 28.1   | 5.1       | 10.3       | 7.1        | 27.8          | 75                       | 2.6              |

Table 8. Results of the irrigated regional cotton variety test at Texas AgriLife Research, Lubbock, TX, 2007

| Designation               | Yield | Agronomic Properties |      |        |        |              |               |               |                  |      | % Open<br>Bolls<br>10/15/07 | Storm<br>Resistance |
|---------------------------|-------|----------------------|------|--------|--------|--------------|---------------|---------------|------------------|------|-----------------------------|---------------------|
|                           |       | % Turnout            |      | % Lint |        | Boll<br>Size | Seed<br>Index | Lint<br>Index | Seed Per<br>Boll |      |                             |                     |
|                           |       | Lint                 | Seed | Picked | Pulled |              |               |               |                  |      |                             |                     |
| All-Tex Atlas RR          | 1091  | 25.6                 | 45.6 | 35.0   | 27.8   | 6.4          | 10.5          | 6.2           | 36.1             | 84   | 3.1                         |                     |
| Paymaster 3225B2RF        | 1072  | 28.0                 | 42.7 | 40.1   | 27.8   | 5.6          | 9.0           | 6.4           | 34.7             | 70   | 2.7                         |                     |
| Seed Tec Genetics 210     | 1070  | 26.5                 | 45.2 | 37.4   | 29.5   | 4.9          | 8.4           | 5.4           | 36.7             | 75   | 2.7                         |                     |
| Deltapine 147RF           | 1069  | 26.9                 | 43.2 | 37.6   | 27.6   | 5.4          | 9.3           | 6.0           | 34.5             | 66   | 2.5                         |                     |
| FiberMax 1840B2F          | 1062  | 26.5                 | 42.6 | 38.6   | 28.6   | 6.2          | 10.6          | 7.1           | 33.9             | 55   | 2.8                         |                     |
| Deltapine 143B2RF         | 1060  | 25.3                 | 44.4 | 37.4   | 28.5   | 5.7          | 8.9           | 5.6           | 36.1             | 80   | 2.7                         |                     |
| Croplan Genetics 4020B2RF | 1030  | 24.3                 | 42.7 | 39.4   | 29.6   | 5.8          | 9.4           | 6.0           | 37.6             | 78   | 2.4                         |                     |
| PhytoGen 480 WR           | 1006  | 25.6                 | 44.3 | 37.8   | 27.8   | 5.6          | 9.1           | 5.9           | 29.9             | 69   | 2.0                         |                     |
| Deltapine 141B2RF         | 998   | 26.5                 | 43.7 | 38.6   | 29.3   | 5.4          | 8.1           | 5.3           | 37.6             | 66   | 2.7                         |                     |
| Paymaster 183             | 989   | 25.8                 | 48.3 | 36.1   | 27.7   | 5.6          | 9.7           | 5.8           | 35.1             | 93   | 4.0                         |                     |
| Dyna-Gro OA265 BR         | 968   | 25.0                 | 44.4 | 36.4   | 26.1   | 5.0          | 11.2          | 6.8           | 27.0             | 74   | 1.8                         |                     |
| Deltapine 174RF           | 950   | 28.4                 | 38.9 | 42.5   | 32.5   | 5.9          | 9.8           | 7.5           | 33.6             | 53   | 2.6                         |                     |
| Croplan Genetics 3220B2RF | 944   | 27.4                 | 44.4 | 37.5   | 27.5   | 5.5          | 9.9           | 6.2           | 33.4             | 79   | 2.6                         |                     |
| AFD 3511RR                | 936   | 25.1                 | 47.8 | 33.6   | 25.9   | 5.2          | 11.0          | 6.1           | 28.5             | 84   | 3.0                         |                     |
| Deltapine 161B2RF         | 915   | 24.4                 | 44.9 | 38.9   | 29.5   | 3.9          | 8.1           | 4.8           | 31.9             | 55   | 2.6                         |                     |
| Croplan Genetics 3020B2RF | 905   | 22.3                 | 41.2 | 37.6   | 27.7   | 4.9          | 8.9           | 5.4           | 35.3             | 92   | 2.3                         |                     |
| Croplan Genetics 3035RF   | 901   | 22.7                 | 34.7 | 39.6   | 31.6   | 5.8          | 9.4           | 7.1           | 33.9             | 80   | 2.2                         |                     |
| Deltapine 555BR           | 865   | 30.0                 | 41.7 | 41.1   | 32.2   | 4.0          | 8.1           | 6.0           | 27.5             | 71   | 1.9                         |                     |
| Stoneville 4892BR         | 852   | 26.2                 | 42.4 | 38.3   | 29.0   | 5.3          | 9.7           | 6.4           | 31.5             | 62   | 2.6                         |                     |
| PhytoGen 72               | 757   | 24.3                 | 42.7 | 38.3   | 25.3   | 4.8          | 9.5           | 6.1           | 25.2             | 64   | 1.9                         |                     |
| Mean                      | 1154  | 27.0                 | 43.6 | 38.0   | 28.9   | 5.3          | 9.6           | 6.3           | 32.0             | 74   | 2.6                         |                     |
| c.v.%                     | 11.7  | 5.2                  | 3.9  | 2.7    | 3.4    | 13.7         | 5.3           | 6.0           | 12.1             | 15.4 | 7.9                         |                     |
| LSD 0.05                  | 160   | 2.4                  | 2.8  | 1.7    | 1.7    | 1.2          | 0.9           | 0.6           | 6.6              | 19   | 0.2                         |                     |

Table 8A. Results of the irrigated regional cotton variety test at Texas AgriLife Reserach, Lubbock, TX, 2007.

| Designation                  | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|------------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                              |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| FiberMax 9058F               | 3.6             | 1.13   | 78.8            | 25.4     | 8.2             | 2             | 80.6 | 7.8 | 21-2,31-1                    | 0.5613        | 903.13                    | 1    |
| FiberMax 1835LLB2            | 4.1             | 1.14   | 82.3            | 30.6     | 7.9             | 2             | 79.1 | 7.9 | 31-1                         | 0.5793        | 828.98                    | 3    |
| FiberMax 958LL               | 4.1             | 1.17   | 81.2            | 32.1     | 7.0             | 2             | 79.8 | 7.5 | 31-1,31-2                    | 0.5840        | 835.12                    | 2    |
| FiberMax 9060F               | 4.0             | 1.11   | 79.6            | 28.9     | 8.2             | 2             | 79.2 | 8.0 | 31-1                         | 0.5693        | 808.41                    | 4    |
| FiberMax 9150F               | 3.9             | 1.16   | 79.5            | 28.7     | 7.2             | 3             | 78.4 | 7.1 | 41-1                         | 0.5400        | 764.64                    | 10   |
| FiberMax 9063B2F             | 3.9             | 1.14   | 79.5            | 30.0     | 7.6             | 2             | 80.2 | 8.2 | 21-1,21-2                    | 0.5678        | 788.11                    | 7    |
| FiberMax 958                 | 4.1             | 1.14   | 81.3            | 30.9     | 7.3             | 1             | 80.5 | 7.6 | 31-1                         | 0.5815        | 803.05                    | 5    |
| FiberMax 9180B2F             | 4.1             | 1.16   | 81.2            | 30.1     | 7.6             | 2             | 80.3 | 7.4 | 21-2,31-1                    | 0.5868        | 801.57                    | 6    |
| FiberMax 1735LLB2            | 3.9             | 1.10   | 80.9            | 28.9     | 8.1             | 2             | 80.9 | 7.3 | 31-1                         | 0.5723        | 774.89                    | 9    |
| FiberMax 1600LL              | 3.7             | 1.14   | 81.3            | 29.4     | 6.6             | 1             | 81.8 | 7.5 | 21-1,31-1                    | 0.5825        | 781.72                    | 8    |
| FiberMax 988LLB2             | 3.6             | 1.13   | 78.9            | 28.8     | 7.5             | 1             | 81.1 | 7.5 | 31-1                         | 0.5713        | 764.40                    | 11   |
| NexGen 2448 R                | 4.5             | 1.05   | 81.9            | 28.9     | 8.7             | 3             | 77.7 | 8.2 | 31-1,31-2                    | 0.5355        | 709.00                    | 14   |
| FiberMax 960B2R              | 3.5             | 1.11   | 78.3            | 28.9     | 7.1             | 2             | 81.5 | 7.4 | 21-2,31-1                    | 0.5575        | 726.98                    | 13   |
| Deltapine 164B2RF            | 3.8             | 1.14   | 79.2            | 27.0     | 7.9             | 2             | 80.6 | 7.7 | 21-2,31-1                    | 0.5790        | 745.17                    | 12   |
| FiberMax 5044R               | 3.9             | 1.08   | 81.9            | 28.6     | 9.4             | 1             | 80.1 | 8.0 | 21-2,31-1                    | 0.5590        | 703.22                    | 15   |
| Deltapine 455BG/RR           | 4.1             | 1.07   | 80.0            | 26.8     | 8.5             | 2             | 79.0 | 7.9 | 21-2,31-2                    | 0.5465        | 686.95                    | 19   |
| Paymaster 3535BG/RR          | 3.5             | 1.15   | 78.9            | 29.1     | 7.6             | 1             | 80.4 | 7.9 | 21-1,31-1                    | 0.5585        | 695.89                    | 16   |
| Paymaster 2167RR             | 3.7             | 1.14   | 80.2            | 28.7     | 7.2             | 3             | 81.9 | 7.4 | 21-2,31-1                    | 0.5665        | 690.00                    | 17   |
| Paymaster 2266RR             | 3.8             | 1.11   | 81.9            | 29.3     | 8.0             | 2             | 80.6 | 7.4 | 31-1                         | 0.5613        | 680.86                    | 20   |
| All-Tex Excess RR            | 4.2             | 1.11   | 82.3            | 30.2     | 8.6             | 3             | 79.2 | 7.8 | 31-1                         | 0.5753        | 689.21                    | 18   |
| Beltwide Cotton Genetics 24R | 3.5             | 1.07   | 81.4            | 28.0     | 8.7             | 1             | 79.2 | 7.7 | 31-1,31-2                    | 0.5315        | 629.83                    | 28   |
| Deltapine 121RF              | 3.8             | 1.09   | 80.2            | 26.4     | 9.0             | 2             | 80.3 | 8.5 | 21-1,21-2                    | 0.5575        | 657.29                    | 21   |
| Paymaster 2326RR             | 4.1             | 1.08   | 81.8            | 26.9     | 8.9             | 2             | 78.3 | 8.3 | 21-2,31-2                    | 0.5558        | 651.95                    | 23   |
| PhytoGen 310 R               | 4.0             | 1.08   | 82.3            | 28.7     | 8.6             | 1             | 79.3 | 8.3 | 21-2,31-1                    | 0.5600        | 656.32                    | 22   |
| Croplan Genetics 3520B2RF    | 3.8             | 1.11   | 79.9            | 25.5     | 9.2             | 3             | 76.9 | 8.1 | 31-1,41-1                    | 0.5485        | 631.87                    | 27   |
| Deltapine 117B2RF            | 3.5             | 1.11   | 80.2            | 30.3     | 8.0             | 3             | 77.8 | 7.9 | 31-2                         | 0.5645        | 648.61                    | 24   |
| FiberMax 1880B2F             | 3.5             | 1.09   | 78.3            | 27.7     | 8.4             | 1             | 80.7 | 7.7 | 31-1                         | 0.5420        | 618.96                    | 29   |
| PhytoGen 370 WR              | 3.5             | 1.06   | 80.8            | 25.8     | 8.8             | 1             | 80.1 | 8.4 | 21-1,21-2                    | 0.5305        | 598.40                    | 32   |
| FiberMax 1740B2F             | 3.9             | 1.11   | 80.6            | 27.1     | 8.4             | 1             | 80.2 | 7.9 | 21-1,31-1                    | 0.5708        | 634.16                    | 26   |
| PhytoGen 440 W               | 3.7             | 1.16   | 81.2            | 28.7     | 8.2             | 1             | 81.3 | 7.7 | 21-2                         | 0.5865        | 646.91                    | 25   |

Table 8A. Results of the irrigated regional cotton variety test at Texas AgriLife Reserach, Lubbock, TX, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                           |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| All-Tex Atlas RR          | 3.8             | 1.13   | 80.0            | 27.6     | 8.1             | 1             | 80.2 | 7.8 | 21-2,31-1                    | 0.5630        | 614.23                    | 30   |
| Paymaster 3225B2RF        | 3.8             | 1.11   | 81.1            | 31.1     | 8.9             | 3             | 77.6 | 8.3 | 31-1                         | 0.5728        | 614.04                    | 31   |
| Seed Tec Genetics 210     | 3.4             | 1.09   | 78.7            | 27.8     | 8.9             | 1             | 80.6 | 7.8 | 21-1,31-1                    | 0.5470        | 585.29                    | 34   |
| Deltapine 147RF           | 3.5             | 1.15   | 79.8            | 27.7     | 7.7             | 3             | 78.6 | 7.8 | 31-1,31-2                    | 0.5568        | 595.22                    | 33   |
| FiberMax 1840B2F          | 3.7             | 1.05   | 80.4            | 31.9     | 8.5             | 2             | 79.0 | 8.6 | 21-2,31-1                    | 0.5345        | 567.64                    | 37   |
| Deltapine 143B2RF         | 3.5             | 1.17   | 79.2            | 27.0     | 8.4             | 3             | 78.3 | 7.9 | 31-1,41-1                    | 0.5363        | 568.48                    | 36   |
| Croplan Genetics 4020B2RF | 3.8             | 1.10   | 80.2            | 26.9     | 8.7             | 1             | 79.5 | 8.2 | 21-2,31-1                    | 0.5570        | 573.71                    | 35   |
| PhytoGen 480 WR           | 4.0             | 1.12   | 80.6            | 28.4     | 9.1             | 2             | 75.5 | 8.4 | 31-4,41-1                    | 0.5620        | 565.37                    | 39   |
| Deltapine 141B2RF         | 3.6             | 1.10   | 79.1            | 28.7     | 8.4             | 2             | 80.1 | 8.1 | 21-2                         | 0.5665        | 565.37                    | 40   |
| Paymaster 183             | 4.7             | 1.00   | 82.1            | 27.2     | 8.5             | 1             | 77.4 | 8.5 | 21-2,31-2                    | 0.5015        | 495.98                    | 45   |
| Dyna-GroOA 265 BR         | 3.6             | 1.20   | 84.4            | 33.5     | 7.7             | 2             | 79.8 | 7.6 | 31-1                         | 0.5860        | 567.25                    | 38   |
| Deltapine 174RF           | 3.8             | 1.10   | 80.6            | 28.0     | 8.5             | 1             | 79.8 | 8.6 | 21-1,21-2                    | 0.5800        | 551.00                    | 41   |
| Croplan Genetics 3220B2RF | 3.7             | 1.09   | 79.5            | 26.0     | 8.8             | 1             | 79.0 | 8.3 | 31-1                         | 0.5338        | 503.91                    | 43   |
| AFD 3511RR                | 4.1             | 1.09   | 81.9            | 29.5     | 8.6             | 2             | 77.4 | 8.2 | 31-1,41-1                    | 0.5433        | 508.53                    | 42   |
| Deltapine 161B2RF         | 3.4             | 1.12   | 78.8            | 27.4     | 8.4             | 1             | 79.3 | 7.7 | 21-2,41-1                    | 0.5438        | 497.58                    | 44   |
| Croplan Genetics 3020B2RF | 3.6             | 1.08   | 81.1            | 26.9     | 8.9             | 2             | 80.0 | 8.2 | 21-2                         | 0.5385        | 487.34                    | 46   |
| Croplan Genetics 3035RF   | 3.5             | 1.08   | 79.1            | 25.1     | 9.1             | 1             | 79.6 | 8.4 | 21-2,31-1                    | 0.5360        | 482.94                    | 48   |
| Deltapine 555BG/RR        | 3.9             | 1.07   | 80.5            | 28.6     | 8.2             | 2             | 80.8 | 8.1 | 21-2                         | 0.5610        | 485.27                    | 47   |
| Stoneville 4892BR         | 3.9             | 1.08   | 81.5            | 28.8     | 8.8             | 1             | 78.2 | 8.1 | 31-1,31-2                    | 0.5560        | 473.71                    | 49   |
| PhytoGen 72               | 3.6             | 1.18   | 80.7            | 32.7     | 7.8             | 4             | 77.9 | 8.2 | 21-1,41-1                    | 0.5298        | 401.06                    | 50   |
| Mean                      | 3.8             | 1.11   | 80.5            | 28.5     | 8.2             | 2             | 79.5 | 7.9 |                              | 0.5580        |                           |      |
| c.v.%                     | 7.6             | 3.0    | 1.5             | 4.5      | 6.8             | 46.1          | 2.0  | 4.8 |                              | 4.1           |                           |      |
| LSD 0.05                  | 0.5             | 0.06   | 2.0             | 2.2      | 0.9             | 1             | 2.6  | 0.6 |                              | 0.0388        |                           |      |

1/ Fiber quality determinations were made on samples from two reps. If the color grades from these two samples are identical, only one color grade is reported.

Table 9. Yield summary of the irrigated regional cotton variety test at Texas AgriLife Research, Lubbock, TX.

| Designation                 | 2003 | 2004 | 2005 | 2006 | 2007 | Average | Comp. Average* |
|-----------------------------|------|------|------|------|------|---------|----------------|
| <b>Five Year Average</b>    |      |      |      |      |      |         |                |
| All-Tex Atlas RR            | 931  | 1014 | 1234 | 1191 | 1091 | 1092    |                |
| All-Tex Excess RR           | 844  | 795  | 1121 | 1066 | 1198 | 1005    |                |
| Beltwide Cotton Genetics 24 | 1220 | 1074 | 1296 | 1015 | 1185 | 1158    |                |
| FiberMax 958                | 1158 | 1140 | 1359 | 1149 | 1381 | 1237    |                |
| FiberMax 958 LL             | 1069 | 1142 | 1493 | 1345 | 1430 | 1296    |                |
| Paymaster 2167 RR           | 1161 | 1230 | 1536 | 1140 | 1218 | 1257    |                |
| Paymaster 2266 RR           | 1001 | 1150 | 1346 | 1221 | 1213 | 1186    |                |
| Paymaster 2326 RR           | 871  | 1073 | 1337 | 1322 | 1173 | 1155    |                |
| Stoneville 4892 BR          | 1386 | 1080 | 1329 | 1442 | 852  | 1218    |                |
| NexGen 2448 R               | 1068 | 1107 | 1373 | 1266 | 1324 | 1228    |                |
| <b>Four Year Average</b>    |      |      |      |      |      |         |                |
| FiberMax 960 B2R            |      | 1113 | 1534 | 1139 | 1304 | 1273    | 1245           |
| <b>Three Year Average</b>   |      |      |      |      |      |         |                |
| AFD 3511 RR                 |      |      | 1221 | 877  | 936  | 1011    | 939            |
| Deltapine 455 BG/RR         |      |      | 1493 | 1371 | 1258 | 1374    | 1302           |
| Deltapine 555 BG/RR         |      |      | 1303 | 1140 | 865  | 1103    | 1030           |
| FiberMax 5044 RR            |      |      | 1311 | 1063 | 1258 | 1211    | 1138           |
| PhytoGen 370 WR             |      |      | 1237 | 1440 | 1128 | 1268    | 1196           |
| PhytoGen 440 W              |      |      | 1290 | 1115 | 1103 | 1169    | 1097           |
| PhytoGen 480 WR             |      |      | 1261 | 998  | 1006 | 1088    | 1016           |
| PhytoGen 72                 |      |      | 1026 | 1234 | 757  | 1006    | 933            |

\* Patterson, R.E. 1950. A method of adjustment for calculating comparable yields in variety tests.

Table 10. Production information for irrigated performance test at Texas AgriLife Research, Pecos, TX 2007.

|                   |   |                         |
|-------------------|---|-------------------------|
| Test:             | Regional Cotton Variety Test                  |                         |
| Planting Date:    | May 15  |                         |
| Row Spacing:      | 34-42 in variable (equivalent to 38in)        |                         |
| Planting Pattern: | Solid   |                         |
| Herbicide:        | Prowl @ 2pt/A applied pre-plant               |                         |
| Fertilizer:       | None  |                         |
| Irrigations:      | 11.96 acre-in May 21                          | 5.16 acre-in July 23    |
|                   | 5.98 acre-in June 12                          | 5.16 acre-in August 16  |
|                   | 5.16 acre-in June 28                          | 5.16 acre-in August 27  |
|                   | 5.16 acre-in July 10                          | 43.74 total acre-inches |
| Insecticide:      | Temik @ 3.2 lbs/A at planting                 |                         |
| Harvest Aids:     | Prep @ 16oz/A and Def 16oz/A October 25       |                         |
|                   | Gramoxone @ 16oz/A and Aim @ 1oz/A November 2 |                         |
|                   | Gramoxone @ 16oz/A November 12                |                         |
| Harvest Date:     | November 16                                   |                         |
| Freeze Date:      | November 22                                   |                         |



Table 11. Results of the irrigated regional cotton variety test at Texas AgriLife Research, Pecos, 2007.

| Designation               | Yield | Agronomic Properties |      |        |       |       |          |            |
|---------------------------|-------|----------------------|------|--------|-------|-------|----------|------------|
|                           |       | % Turnout            |      | % Lint | Seed  | Lint  | Seed Per | Storm      |
|                           |       | Lint                 | Seed | Pulled | Index | Index | Boll     | Resistance |
| Deltapine 455BG/RR        | 1389  | 33.7                 | 41.6 | 34.2   | 7.2   | 5.8   | 27.5     | 2.8        |
| PhytoGen 310 R            | 1379  | 31.6                 | 40.5 | 34.5   | 8.0   | 6.2   | 31.0     | 2.7        |
| Downer Genetics X 1374    | 1320  | 31.6                 | 42.8 | 31.9   | 8.6   | 6.2   | 30.5     | 2.8        |
| Deltapine 164B2RF         | 1307  | 29.7                 | 45.6 | 30.2   | 7.2   | 4.8   | 27.1     | 2.9        |
| Croplan Genetics 3035RF   | 1295  | 28.9                 | 39.7 | 36.0   | 7.7   | 6.2   | 32.2     | 2.8        |
| PhytoGen 440 W            | 1272  | 29.8                 | 41.9 | 32.2   | 7.5   | 5.6   | 30.8     | 2.7        |
| Stoneville 4892BR         | 1236  | 30.2                 | 41.9 | 30.7   | 8.3   | 6.3   | 32.4     | 2.9        |
| Croplan Genetics 3220B2RF | 1224  | 30.7                 | 41.7 | 31.7   | 7.4   | 5.3   | 28.9     | 2.9        |
| NM03N155                  | 1186  | 28.9                 | 44.8 | 29.4   | 7.3   | 4.9   | 28.2     | 2.7        |
| PhytoGen 370 WR           | 1181  | 27.5                 | 38.7 | 35.5   | 8.6   | 6.4   | 34.2     | 2.8        |
| Paymaster 2167RR          | 1135  | 30.3                 | 44.7 | 31.0   | 8.0   | 5.7   | 24.3     | 3.0        |
| Deltapine 174RF           | 1133  | 28.8                 | 37.0 | 35.8   | 8.7   | 7.6   | 23.6     | 2.9        |
| Downer Genetics X 1256    | 1129  | 29.7                 | 40.9 | 32.1   | 9.5   | 7.5   | 28.1     | 3.1        |
| PhytoGen 72               | 1119  | 32.0                 | 45.1 | 30.8   | 8.6   | 6.4   | 23.1     | 2.8        |
| PhytoGen Acala 78         | 1112  | 26.2                 | 38.8 | 30.5   | 8.4   | 5.1   | 26.8     | 2.7        |
| Downer Genetics X 1254    | 1085  | 28.5                 | 43.6 | 30.8   | 9.3   | 6.3   | 29.9     | 2.9        |
| PhytoGen 480 WR           | 1085  | 29.0                 | 45.3 | 29.2   | 8.5   | 5.5   | 24.9     | 2.8        |
| Acala 1517-99             | 1080  | 27.8                 | 41.7 | 28.6   | 8.4   | 5.8   | 34.7     | 2.7        |
| FiberMax 989              | 1080  | 29.3                 | 41.5 | 30.9   | 8.3   | 6.1   | 28.2     | 2.9        |
| FiberMax 1840B2F          | 1049  | 30.1                 | 43.6 | 31.8   | 9.1   | 6.6   | 25.4     | 2.9        |
| FiberMax 960B2R           | 1047  | 28.2                 | 40.9 | 30.3   | 8.4   | 6.1   | 26.0     | 3.0        |
| Stoneville 474            | 1040  | 30.5                 | 40.6 | 30.5   | 8.5   | 6.9   | 24.4     | 2.8        |
| Deltapine 555BG/RR        | 1031  | 30.8                 | 39.0 | 32.7   | 6.2   | 5.1   | 20.5     | 2.9        |
| Croplan Genetics 3520B2RF | 1014  | 28.5                 | 42.2 | 25.4   | 7.6   | 5.2   | 20.8     | 2.8        |
| PhytoGen 710 R            | 1007  | 28.1                 | 39.2 | 32.8   | 8.3   | 6.2   | 24.1     | 2.6        |
| Paymaster 3535BG/RR       | 999   | 27.7                 | 37.7 | 35.8   | 7.1   | 5.8   | 28.4     | 2.9        |
| PhytoGen NM 1517-99 W     | 990   | 27.3                 | 42.6 | 28.3   | 8.3   | 5.7   | 23.4     | 2.7        |
| FiberMax 989BR            | 978   | 27.3                 | 40.1 | 28.8   | 9.3   | 6.6   | 27.8     | 3.0        |
| Deltapine 141B2RF         | 977   | 30.1                 | 43.1 | 32.1   | 7.7   | 5.6   | 28.5     | 2.8        |
| Deltapine 161B2RF         | 971   | 28.1                 | 39.1 | 30.0   | 7.7   | 5.5   | 28.6     | 2.9        |

Table 11. Results of the irrigated regional cotton variety test at Texas AgriLife Research, Pecos, 2007.

| Designation               | Yield | Agronomic Properties |      |        |       |       |      |            |       |
|---------------------------|-------|----------------------|------|--------|-------|-------|------|------------|-------|
|                           |       | % Turnout            |      | % Lint |       | Seed  | Lint | Seed Per   | Storm |
|                           |       | Lint                 | Seed | Pulled | Index | Index | Boll | Resistance |       |
| Dyna-Gro OA265 BR         | 969   | 26.9                 | 41.1 | 26.0   | 10.3  | 7.0   | 22.5 | 2.7        |       |
| NM03K1028                 | 964   | 28.0                 | 42.2 | 26.0   | 8.3   | 5.5   | 24.9 | 2.6        |       |
| All-Tex Atlas             | 947   | 28.1                 | 44.8 | 29.4   | 9.4   | 6.2   | 27.6 | 3.0        |       |
| Croplan Genetics 4020B2RF | 946   | 26.4                 | 40.4 | 32.2   | 8.7   | 6.5   | 25.6 | 2.8        |       |
| FiberMax 1880B2F          | 928   | 27.8                 | 41.7 | 30.2   | 7.1   | 4.8   | 30.5 | 2.9        |       |
| Croplan Genetics 3020B2RF | 923   | 28.7                 | 42.4 | 31.7   | 7.9   | 6.0   | 26.3 | 2.8        |       |
| Deltapine 143B2RF         | 900   | 24.6                 | 37.1 | 30.4   | 7.6   | 5.2   | 27.1 | 2.8        |       |
| NM03S1065                 | 884   | 27.1                 | 41.7 | 29.1   | 8.5   | 5.9   | 25.1 | 2.8        |       |
| PhytoGen 830              | 673   | 23.7                 | 39.1 | 28.7   | 9.7   | 7.0   | 14.2 | 1.5        |       |
| PhytoGen 800              | 337   | 21.2                 | 40.7 | 34.5   | 10.7  | 8.0   | 10.6 | 1.5        |       |
| Mean                      | 1058  | 28.6                 | 41.4 | 31.0   | 8.3   | 6.0   | 26.8 | 2.8        |       |
| c.v.%                     | 11.0  | 9.6                  | 7.9  | 4.8    | 7.4   | 9.7   | 13.5 | 3.1        |       |
| LSD 0.05                  | 137   | 4.6                  | 5.5  | 2.5    | 1.0   | 1.0   | 6.0  | 0.1        |       |

Note: Picked lint percent and boll size were not calculated for this test.

Table 11A. Results of the irrigated regional cotton variety test at Texas AgriLife Research, Pecos, TX, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                           |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| Deltapine 455BG/RR        | 4.0             | 1.05   | 80.2            | 28.4     | 8.3             | 1             | 79.8 | 9.0 | 21-1                         | 0.5350        | 743.12                    | 1    |
| PhytoGen 310 R            | 3.9             | 1.00   | 81.0            | 29.4     | 8.6             | 2             | 77.9 | 8.1 | 31-1,31-2                    | 0.5078        | 700.26                    | 4    |
| Downer Genetics X 1374    | 4.1             | 1.07   | 80.7            | 29.6     | 8.1             | 1             | 80.5 | 7.7 | 31-1                         | 0.5433        | 717.16                    | 2    |
| Deltapine 164B2RF         | 3.7             | 1.10   | 79.2            | 29.8     | 8.0             | 2             | 79.2 | 8.0 | 21-1,41-1                    | 0.5348        | 698.98                    | 5    |
| Croplan Genetics 3035RF   | 3.4             | 1.06   | 80.0            | 27.6     | 9.4             | 2             | 80.7 | 8.5 | 21-1                         | 0.4975        | 644.26                    | 8    |
| PhytoGen 440 W            | 4.2             | 1.08   | 82.0            | 29.5     | 8.9             | 3             | 78.7 | 8.0 | 31-1                         | 0.5605        | 712.96                    | 3    |
| Stoneville 4892BR         | 4.5             | 1.04   | 80.9            | 26.6     | 8.6             | 3             | 76.1 | 8.6 | 31-2                         | 0.5268        | 651.12                    | 7    |
| Croplan Genetics 3220B2RF | 4.0             | 1.06   | 80.1            | 27.7     | 8.8             | 2             | 81.4 | 8.1 | 21-1                         | 0.5478        | 670.51                    | 6    |
| NM03N155                  | 3.4             | 1.13   | 80.7            | 30.2     | 8.2             | 3             | 75.1 | 7.5 | 31-1,51-1                    | 0.5200        | 616.72                    | 12   |
| PhytoGen 370 WR           | 4.1             | 1.04   | 81.7            | 28.3     | 9.0             | 2             | 79.3 | 8.3 | 21-2,31-1                    | 0.5190        | 612.94                    | 13   |
| Paymaster 2167RR          | 4.0             | 0.96   | 79.6            | 27.7     | 8.3             | 3             | 77.5 | 7.9 | 31-2                         | 0.4825        | 547.64                    | 24   |
| Deltapine 174RF           | 3.9             | 1.09   | 80.4            | 27.6     | 8.7             | 2             | 78.0 | 8.7 | 21-2,31-2                    | 0.5680        | 643.54                    | 9    |
| Downer Genetics X 1256    | 3.4             | 1.07   | 79.0            | 27.6     | 7.4             | 2             | 80.8 | 7.8 | 21-2,31-1                    | 0.5315        | 600.06                    | 16   |
| PhytoGen 72               | 4.0             | 1.08   | 81.5            | 32.9     | 8.6             | 1             | 78.7 | 8.6 | 21-2,31-1                    | 0.5630        | 630.00                    | 10   |
| PhytoGen Acala 78         | 3.3             | 1.05   | 81.6            | 33.9     | 9.3             | 3             | 77.7 | 8.3 | 31-1,31-2                    | 0.5255        | 584.36                    | 18   |
| Downer Genetics X 1254    | 4.3             | 1.06   | 80.9            | 26.7     | 8.4             | 3             | 79.7 | 8.2 | 21-2,31-1                    | 0.5438        | 590.02                    | 17   |
| PhytoGen 480 WR           | 4.1             | 1.07   | 81.3            | 29.5     | 9.6             | 3             | 77.6 | 8.1 | 31-1,31-2                    | 0.5538        | 600.87                    | 15   |
| Acala 1517-99             | 4.0             | 1.10   | 80.3            | 33.4     | 7.8             | 3             | 77.4 | 8.5 | 31-1,31-2                    | 0.5720        | 617.76                    | 11   |
| FiberMax 989              | 3.9             | 1.08   | 80.5            | 30.8     | 7.5             | 1             | 81.7 | 7.8 | 21-1                         | 0.5630        | 608.04                    | 14   |
| FiberMax 1840B2F          | 3.7             | 1.00   | 80.4            | 32.0     | 8.4             | 3             | 78.3 | 8.1 | 31-1                         | 0.5033        | 527.96                    | 28   |
| FiberMax 960B2R           | 3.5             | 1.10   | 79.0            | 27.8     | 7.3             | 1             | 78.9 | 7.6 | 21-2,41-1                    | 0.5523        | 578.26                    | 19   |
| Stoneville 474            | 4.7             | 1.06   | 81.5            | 27.5     | 7.7             | 2             | 78.2 | 9.0 | 21-2,31-1                    | 0.5438        | 565.55                    | 21   |
| Deltapine 555BG/RR        | 3.8             | 1.05   | 79.7            | 27.0     | 7.5             | 2             | 79.2 | 7.2 | 31-1,41-1                    | 0.5220        | 538.18                    | 26   |
| Croplan Genetics 3520B2RF | 4.2             | 1.06   | 80.8            | 25.9     | 9.3             | 3             | 77.8 | 7.9 | 31-1,41-1                    | 0.5343        | 541.78                    | 25   |
| PhytoGen 710 R            | 3.7             | 1.00   | 81.2            | 31.5     | 9.8             | 3             | 77.4 | 8.4 | 31-1,31-2                    | 0.4940        | 497.46                    | 34   |
| Paymaster 3535BG/RR       | 3.4             | 1.08   | 79.7            | 29.5     | 7.8             | 3             | 78.3 | 7.4 | 31-1,41-1                    | 0.4995        | 499.00                    | 33   |
| PhytoGen NM 1517-99 W     | 3.7             | 1.15   | 81.9            | 35.7     | 7.4             | 3             | 77.9 | 8.2 | 31-1                         | 0.5783        | 572.52                    | 20   |
| FiberMax 989BR            | 3.8             | 1.06   | 80.3            | 28.5     | 7.8             | 1             | 81.0 | 7.7 | 21-2                         | 0.5475        | 535.46                    | 27   |
| Deltapine 141B2RF         | 3.8             | 1.10   | 79.1            | 28.3     | 8.0             | 2             | 78.2 | 7.9 | 31-1,31-2                    | 0.5668        | 553.76                    | 23   |
| Deltapine 161B2RF         | 4.4             | 1.04   | 80.4            | 28.7     | 8.4             | 2             | 78.7 | 7.7 | 31-1,31-2                    | 0.5373        | 521.72                    | 30   |

Table 11A. Results of the irrigated regional cotton variety test at Texas AgriLife Research, Pecos, TX, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b   | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|------|------------------------------|---------------|---------------------------|------|
|                           |                 |        |                 |          |                 |               |      |      |                              |               | \$                        | Rank |
| Dyna-Gro OA265 BR         | 3.8             | 1.12   | 82.7            | 32.8     | 7.7             | 2             | 79.5 | 8.0  | 31-1                         | 0.5808        | 562.80                    | 22   |
| NM03K1028                 | 4.0             | 1.07   | 81.1            | 30.1     | 9.0             | 3             | 79.1 | 7.7  | 31-1                         | 0.5433        | 523.74                    | 29   |
| All-Tex Atlas             | 4.1             | 1.07   | 79.5            | 29.6     | 8.0             | 2             | 79.8 | 7.7  | 31-1                         | 0.5450        | 516.12                    | 31   |
| Croplan Genetics 4020B2RF | 3.4             | 1.07   | 78.5            | 26.1     | 8.6             | 3             | 79.9 | 8.1  | 21-2,31-1                    | 0.5143        | 486.53                    | 36   |
| FiberMax 1880B2F          | 3.4             | 1.11   | 79.7            | 28.9     | 7.8             | 2             | 80.9 | 7.3  | 31-1                         | 0.5498        | 510.21                    | 32   |
| Croplan Genetics 3020B2RF | 3.7             | 1.04   | 80.9            | 26.3     | 8.9             | 2             | 79.8 | 7.8  | 31-1                         | 0.5155        | 475.81                    | 37   |
| Deltapine 143B2RF         | 3.5             | 1.09   | 78.2            | 28.8     | 8.0             | 3             | 77.0 | 7.4  | 41-1                         | 0.5090        | 458.10                    | 38   |
| NM03S1065                 | 3.7             | 1.09   | 80.8            | 31.1     | 7.9             | 3             | 77.6 | 8.0  | 31-1,31-2                    | 0.5613        | 496.19                    | 35   |
| PhytoGen 830              | 3.4             | 1.32   | 83.0            | 43.1     | 7.7             | 1             | 71.4 | 11.5 | 23-2,33-3                    | 0.4705        | 316.65                    | 39   |
| PhytoGen 800              | 2.9             | 1.34   | 83.4            | 45.5     | 7.2             | 3             | 71.7 | 11.4 | 23-2,33-1                    | 0.4375        | 147.44                    | 40   |
| Mean                      | 3.8             | 1.08   | 80.6            | 30.0     | 8.3             | 2             | 75.4 | 8.2  |                              | 0.5330        |                           |      |
| c.v.%                     | 9.4             | 2.4    | 1.0             | 4.2      | 3.6             | 36.8          | 2.1  | 3.5  |                              | 5.7           |                           |      |
| LSD 0.05                  | 0.6             | 0.04   | 1.4             | 2.1      | 0.5             | 1             | 2.7  | 0.5  |                              | 0.0509        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grade from these two samples are identical, only one color grade is reported.

Table 12. Yield summary of the irrigated regional cotton variety test at Texas AgriLife Reserach, Pecos, TX.

| Designation        | 2003 | 2004 | 2005 | 2006 | 2007 | Average | Comp. Average* |
|--------------------|------|------|------|------|------|---------|----------------|
| Five Year Average  |      |      |      |      |      |         |                |
| Acala 1517-99      | 1060 | 960  | 395  | 1182 | 1080 | 935     |                |
| FiberMax 989 BR    | 1146 | 1381 | 612  | 1436 | 978  | 1111    |                |
| Stoneville 4892 BR | 1313 | 1309 | 622  | 1326 | 1236 | 1161    |                |
| PhytoGen 72        | 1191 | 952  | 481  | 1254 | 1119 | 999     |                |
| Four Year Average  |      |      |      |      |      |         |                |
| Deltapine 555BG/RR |      | 1354 | 448  | 1360 | 1031 | 1048    | 1079           |
| FiberMax 960 B2R   |      | 1062 | 448  | 1469 | 1047 | 1007    | 1038           |
| Three Year Average |      |      |      |      |      |         |                |
| Deltapine 455BG/RR |      |      | 624  | 1399 | 1389 | 1137    | 1217           |
| Paymaster 2167RR   |      |      | 493  | 1495 | 1135 | 1041    | 1121           |
| PhytoGen 440 W     |      |      | 487  | 1164 | 1272 | 974     | 1054           |
| PhytoGen 480 WR    |      |      | 537  | 1338 | 1085 | 987     | 1067           |
| PhytoGen 710 R     |      |      | 422  | 1059 | 1007 | 829     | 910            |

\* Patterson, R.E. 1950. A method of adjustment for calculating comparable yields in variety tests.

Table 13. Production information for irrigated performance test at Texas AgriLife Research, Halfway, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | Late Planted Variety Test  |
| Planting Date:    | June 15  |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Treflan 1 ¼ pt/A applied pre-plant   |
| Fertilizer:       | 100-20-0 lbs/A applied pre-plant   |
| Irrigations:      | 3.0 acre-in on July 29-30  |
| Insecticide:      | Temik @ 3.2 lbs/A at planting  |
| Harvest Aids:     | Prep @ 32oz/A and Def 6 16oz/A October 17<br>Gramoxone @ 24oz/A October 29 |
| Harvest Date:     | November 6   |
| Freeze Date:      | October 23   |

Table 14. Results of the late planted variety test at Texas AgriLife Research, Halfway, TX 2007.

| Designation               | Yield | Agronomic Properties |      |        |        |      |       |       |          |            |
|---------------------------|-------|----------------------|------|--------|--------|------|-------|-------|----------|------------|
|                           |       | % Turnout            |      | % Lint |        | Boll | Seed  | Lint  | Seed Per | Storm      |
|                           |       | Lint                 | Seed | Picked | Pulled | Size | Index | Index | Boll     | Resistance |
| NexGen 3348 B2RF          | 1185  | 27.8                 | 46.8 | 38.2   | 30.0   | 5.9  | 11.6  | 7.3   | 30.5     | 3.0        |
| NexGen 3410 RF            | 1039  | 26.0                 | 43.7 | 37.4   | 30.0   | 5.6  | 11.5  | 7.2   | 29.6     | 2.8        |
| Paymaster 145             | 1020  | 27.4                 | 46.3 | 38.3   | 32.1   | 5.6  | 11.2  | 7.2   | 29.5     | 3.5        |
| PhytoGen 370 WR           | 1019  | 27.5                 | 42.4 | 40.0   | 29.8   | 5.1  | 9.7   | 6.5   | 27.3     | 2.6        |
| FiberMax 9150F            | 1009  | 27.2                 | 43.1 | 38.0   | 28.4   | 5.8  | 10.9  | 7.0   | 31.7     | 3.0        |
| NexGen 3550 RF            | 1009  | 26.4                 | 47.0 | 38.0   | 28.0   | 4.8  | 10.3  | 6.0   | 30.8     | 2.8        |
| PhytoGen 310 R            | 992   | 27.0                 | 39.0 | 40.3   | 29.8   | 4.9  | 9.5   | 6.7   | 29.4     | 2.7        |
| AFD 5062LL                | 982   | 27.1                 | 45.6 | 36.7   | 28.6   | 4.9  | 11.6  | 7.1   | 32.0     | 2.9        |
| NexGen 2549 B2RF          | 977   | 26.4                 | 46.2 | 37.7   | 28.4   | 4.7  | 9.8   | 6.0   | 27.6     | 2.9        |
| AFD 5064F                 | 966   | 24.1                 | 44.6 | 37.0   | 27.4   | 4.8  | 10.8  | 6.2   | 28.8     | 2.8        |
| Croplan Genetics 3035 RF  | 959   | 27.3                 | 43.4 | 40.9   | 29.5   | 5.0  | 10.2  | 7.0   | 31.4     | 2.8        |
| Downer Genetics X1459     | 957   | 26.8                 | 42.6 | 38.8   | 28.3   | 5.6  | 10.5  | 6.8   | 33.6     | 2.9        |
| PhytoGen 440 W            | 957   | 25.8                 | 44.6 | 37.5   | 27.3   | 5.6  | 10.1  | 6.3   | 28.4     | 2.7        |
| AFD 5065B2F               | 952   | 24.0                 | 47.2 | 33.6   | 28.0   | 5.8  | 10.9  | 6.1   | 31.8     | 2.9        |
| Croplan Genetics 4020B2RF | 952   | 24.9                 | 43.3 | 36.2   | 27.2   | 4.9  | 9.6   | 5.8   | 30.5     | 2.7        |
| NexGen 2448 R             | 949   | 25.3                 | 45.8 | 36.1   | 26.0   | 5.9  | 10.6  | 6.3   | 33.9     | 3.2        |
| Croplan Genetics 3020B2RF | 944   | 24.9                 | 44.8 | 34.7   | 26.2   | 5.1  | 10.5  | 6.0   | 29.2     | 2.8        |
| NexGen 1572 RF            | 943   | 26.0                 | 46.6 | 38.2   | 28.3   | 5.2  | 10.4  | 6.3   | 31.2     | 3.2        |
| Fibermax 9058F            | 942   | 26.2                 | 40.7 | 37.3   | 28.7   | 6.5  | 10.7  | 7.0   | 34.4     | 2.9        |
| Croplan Genetics 3520B2RF | 921   | 26.1                 | 44.2 | 38.8   | 27.3   | 5.6  | 10.0  | 6.0   | 27.1     | 2.6        |
| NexGen 3273 B2RF          | 883   | 24.3                 | 46.3 | 38.8   | 27.2   | 4.7  | 10.1  | 5.9   | 33.4     | 2.8        |
| NexGen 1553 R             | 850   | 25.7                 | 47.0 | 35.6   | 27.4   | 5.2  | 10.4  | 6.1   | 30.4     | 3.2        |
| PhytoGen 480 WR           | 839   | 25.1                 | 46.3 | 36.4   | 26.8   | 4.2  | 9.5   | 5.7   | 26.4     | 2.6        |
| Croplan Genetics 3220B2RF | 798   | 25.5                 | 44.1 | 37.9   | 30.9   | 5.5  | 10.4  | 6.6   | 30.1     | 2.8        |
| Mean                      | 960   | 26.0                 | 44.6 | 37.4   | 28.4   | 5.3  | 10.4  | 6.5   | 30.4     | 2.9        |
| c.v.%                     | 12.3  | 3.3                  | 3.0  | 4.1    | 3.8    | 9.7  | 3.2   | 6.0   | 4.6      | 3.5        |
| LSD 0.05                  | 139   | 1.5                  | 2.3  | 2.7    | 1.9    | 0.9  | 0.6   | 0.6   | 2.4      | 0.1        |

Table 14A. Results of the late planted variety test at Texas AgriLife Research, Halfway, TX, 2007.

| Designation               | Micro- |        | Uni-    |          | Elon-<br>gation | Leaf |      | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |        |    |
|---------------------------|--------|--------|---------|----------|-----------------|------|------|------------------------------|---------------|---------------------------|--------|----|
|                           | naire  | Length | formity | Strength |                 | Rd   | +b   |                              |               | \$                        | Rank   |    |
| NexGen 3348 B2RF          | 3.8    | 1.17   | 83.1    | 30.4     | 9.0             | 2    | 80.1 | 8.3                          | 21-2          | 0.5938                    | 703.65 | 1  |
| NexGen 3410 RF            | 3.6    | 1.20   | 82.8    | 30.1     | 8.3             | 2    | 77.9 | 7.7                          | 31-2,41-1     | 0.5645                    | 586.52 | 4  |
| Paymaster 145             | 4.6    | 1.03   | 81.6    | 27.6     | 8.9             | 3    | 78.3 | 8.0                          | 21-1,41-1     | 0.5103                    | 520.51 | 19 |
| PhytoGen 370 WR           | 3.9    | 1.13   | 83.3    | 30.5     | 9.6             | 2    | 79.4 | 8.9                          | 21-1,21-2     | 0.5940                    | 605.29 | 2  |
| FiberMax 9150F            | 3.5    | 1.19   | 81.0    | 31.8     | 7.8             | 2    | 78.5 | 8.0                          | 21-2,31-2     | 0.5775                    | 582.70 | 5  |
| NexGen 3550 RF            | 3.8    | 1.17   | 82.8    | 30.1     | 9.0             | 2    | 80.0 | 8.2                          | 21-1,31-1     | 0.5883                    | 593.59 | 3  |
| PhytoGen 310 R            | 3.6    | 1.12   | 83.4    | 30.8     | 9.3             | 1    | 77.4 | 8.0                          | 31-2          | 0.5825                    | 577.84 | 6  |
| AFD 5062LL                | 4.0    | 1.09   | 83.1    | 29.3     | 8.8             | 2    | 78.8 | 8.2                          | 21-2,31-2     | 0.5753                    | 564.94 | 7  |
| NexGen 2549 B2RF          | 3.5    | 1.11   | 83.6    | 31.0     | 9.8             | 3    | 79.9 | 8.3                          | 21-1,31-1     | 0.5695                    | 556.40 | 11 |
| AFD 5064F                 | 3.8    | 1.11   | 81.8    | 30.5     | 9.3             | 3    | 78.4 | 7.6                          | 21-2,41-1     | 0.5590                    | 539.99 | 18 |
| Croplan Genetics 3035 RF  | 3.6    | 1.13   | 81.8    | 28.9     | 9.9             | 2    | 80.0 | 8.7                          | 21-1          | 0.5720                    | 548.55 | 13 |
| Downer Genetics X1459     | 4.2    | 1.17   | 84.0    | 32.0     | 8.3             | 1    | 77.1 | 8.0                          | 31-2          | 0.5865                    | 561.28 | 9  |
| PhytoGen 440 W            | 3.6    | 1.16   | 83.2    | 30.7     | 9.9             | 3    | 80.0 | 8.3                          | 21-1,31-1     | 0.5875                    | 562.24 | 8  |
| AFD 5065B2F               | 3.6    | 1.16   | 82.8    | 30.8     | 9.4             | 1    | 77.3 | 8.0                          | 31-1,31-2     | 0.5730                    | 545.50 | 16 |
| Croplan Genetics 4020B2RF | 3.7    | 1.20   | 82.4    | 29.5     | 8.9             | 2    | 79.1 | 8.1                          | 21-1,31-2     | 0.5860                    | 557.87 | 10 |
| NexGen 2448 R             | 3.7    | 1.12   | 83.2    | 31.6     | 9.2             | 3    | 79.6 | 8.0                          | 21-2,31-1     | 0.5758                    | 546.43 | 15 |
| Croplan Genetics 3020B2RF | 3.8    | 1.14   | 83.3    | 27.9     | 9.6             | 1    | 77.1 | 7.9                          | 31-2          | 0.5790                    | 546.58 | 14 |
| NexGen 1572 RF            | 3.3    | 1.19   | 83.2    | 28.7     | 8.6             | 4    | 79.3 | 7.4                          | 31-1,31-2     | 0.5375                    | 506.86 | 21 |
| Fibermax 9058F            | 4.1    | 1.16   | 82.9    | 29.9     | 8.6             | 2    | 78.6 | 8.2                          | 21-2,31-2     | 0.5873                    | 553.24 | 12 |
| Croplan Genetics 3520B2RF | 3.7    | 1.16   | 82.1    | 27.4     | 9.8             | 2    | 80.0 | 8.2                          | 21-2          | 0.5888                    | 542.28 | 17 |
| NexGen 3273 B2RF          | 3.7    | 1.16   | 82.1    | 27.7     | 9.3             | 2    | 79.7 | 7.5                          | 31-1,31-2     | 0.5790                    | 511.26 | 20 |
| NexGen 1553 R             | 3.0    | 1.15   | 82.5    | 31.5     | 9.5             | 2    | 77.5 | 8.1                          | 31-1,31-2     | 0.5293                    | 449.91 | 24 |
| PhytoGen 480 WR           | 3.8    | 1.17   | 83.7    | 30.5     | 9.6             | 3    | 77.1 | 8.4                          | 31-1,31-2     | 0.5840                    | 489.98 | 22 |
| Croplan Genetics 3220B2RF | 3.6    | 1.17   | 82.0    | 30.3     | 9.3             | 2    | 78.9 | 8.1                          | 21-2,31-2     | 0.5850                    | 466.83 | 23 |
| Mean                      | 3.7    | 1.15   | 82.7    | 30.0     | 9.1             | 2    | 78.7 | 8.1                          |               | 0.5740                    |        |    |
| c.v.%                     | 5.2    | 1.5    | 1.2     | 2.3      | 2.6             | 36.5 | 2.1  | 4.4                          |               | 2.1                       |        |    |
| LSD 0.05                  | 0.3    | 0.03   | 1.7     | 1.2      | 0.4             | 1    | 2.8  | 0.6                          |               | 0.0207                    |        |    |

1/ Fiber quality determinations are made on samples from two reps. If the color grades from these two samples are identical, only one color grade is reported.



Table 15. Production information for irrigated performance test at Texas AgriLife Research, Lubbock, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | Late Planted Variety Test                                  |
| Planting Date:    | June 15  |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Treflan @ 1 ¼ pt/A applied pre-plant                       |
| Fertilizer:       | 100-2-0 lbs/A applied pre-plant                            |
| Irrigations:      | 2.3 acre-in on July 19<br>2.0 acre-in on August 15         |
| Insecticide:      | Temik @ 3.2 lbs/A at planting<br>Intruder @ 1oz/A August 7 |
| Harvest Aids:     | Gramoxone @24 oz/A and Aim @ 1oz/A October 30              |
| Harvest Date:     | November 20  |
| Freeze Date:      | October 23   |

Table 16. Results of the irrigated late planted variety test at Texas AgriLife Reserach, Lubbock, TX 2007.

| Designation               | Yield | Agronomic Properties |      |        |        |              |               |               |                  | % Open<br>Bolls<br>10/15/07 | Storm<br>Resistance |
|---------------------------|-------|----------------------|------|--------|--------|--------------|---------------|---------------|------------------|-----------------------------|---------------------|
|                           |       | % Turnout            |      | % Lint |        | Boll<br>Size | Seed<br>Index | Lint<br>Index | Seed Per<br>Boll |                             |                     |
|                           |       | Lint                 | Seed | Picked | Pulled |              |               |               |                  |                             |                     |
| FiberMax 958LL            | 1119  | 28.6                 | 41.2 | 30.2   | 21.5   | 5.1          | 10.9          | 6.8           | 22.5             | 69                          | 2.9                 |
| FiberMax 9058F            | 1093  | 24.7                 | 39.8 | 38.9   | 27.8   | 5.1          | 10.8          | 7.2           | 27.7             | 56                          | 2.9                 |
| NexGen 2549 B2RF          | 1092  | 27.6                 | 43.4 | 37.9   | 28.0   | 4.7          | 9.8           | 6.3           | 28.5             | 76                          | 2.9                 |
| Downer Genetics 1459      | 1084  | 27.6                 | 41.7 | 37.4   | 26.9   | 5.9          | 10.8          | 7.7           | 28.8             | 49                          | 2.8                 |
| AFD 5062LL                | 1060  | 27.0                 | 44.0 | 40.6   | 29.3   | 5.5          | 11.0          | 7.6           | 29.4             | 82                          | 2.9                 |
| Croplan Genetics 3035RF   | 1036  | 28.7                 | 41.6 | 41.1   | 29.6   | 5.0          | 9.8           | 6.8           | 29.0             | 41                          | 2.7                 |
| NexGen 3410 RF            | 1028  | 25.5                 | 44.1 | 38.3   | 28.9   | 6.1          | 11.8          | 7.5           | 30.5             | 57                          | 2.8                 |
| FiberMax 9150F            | 1021  | 26.4                 | 39.6 | 37.0   | 27.5   | 5.5          | 10.9          | 7.1           | 28.3             | 67                          | 2.9                 |
| PhytoGen 310 R            | 1020  | 28.6                 | 40.5 | 37.7   | 27.5   | 5.2          | 9.4           | 6.8           | 28.8             | 60                          | 2.4                 |
| Croplan Genetics 3520B2RF | 1015  | 25.9                 | 41.9 | 39.0   | 26.9   | 4.0          | 9.8           | 6.4           | 24.7             | 68                          | 2.5                 |
| NexGen 1572 RF            | 1014  | 25.2                 | 43.4 | 38.4   | 28.0   | 4.6          | 9.5           | 5.7           | 26.3             | 75                          | 3.0                 |
| FiberMax 9180B2F          | 1002  | 25.4                 | 43.0 | 39.0   | 27.6   | 5.4          | 10.7          | 6.5           | 27.8             | 52                          | 2.9                 |
| Paymaster 183             | 992   | 26.0                 | 46.7 | 36.4   | 26.3   | 5.3          | 11.1          | 6.5           | 30.1             | 72                          | 3.8                 |
| PhytoGen 440 W            | 987   | 25.8                 | 42.2 | 38.6   | 27.3   | 4.6          | 9.9           | 6.6           | 27.1             | 75                          | 2.7                 |
| AFD 5065B2F               | 984   | 26.2                 | 48.4 | 37.5   | 26.5   | 5.5          | 10.2          | 6.1           | 33.6             | 70                          | 2.9                 |
| Croplan Genetics 3220B2RF | 980   | 26.2                 | 43.7 | 34.7   | 29.7   | 5.1          | 10.2          | 6.5           | 30.0             | 62                          | 2.7                 |
| NexGen 3273 B2RF          | 979   | 26.4                 | 43.4 | 37.2   | 27.8   | 5.9          | 9.8           | 5.9           | 29.4             | 78                          | 2.6                 |
| NexGen 3348 B2RF          | 959   | 26.6                 | 44.2 | 27.3   | 18.9   | 5.5          | 11.4          | 6.8           | 26.3             | 74                          | 2.9                 |
| NexGen 3550 RF            | 958   | 24.3                 | 43.2 | 38.1   | 28.5   | 4.9          | 10.0          | 6.3           | 29.9             | 61                          | 2.7                 |
| PhytoGen 370 WR           | 952   | 25.8                 | 41.7 | 41.8   | 29.3   | 4.7          | 9.2           | 6.7           | 28.9             | 48                          | 2.5                 |
| Croplan Genetics 3020B2RF | 941   | 26.1                 | 43.9 | 37.9   | 26.2   | 4.2          | 10.1          | 6.3           | 25.2             | 69                          | 2.4                 |
| All-Tex Excess            | 939   | 26.6                 | 45.7 | 36.1   | 26.3   | 5.0          | 10.5          | 5.8           | 26.0             | 73                          | 3.0                 |
| NexGen 2448 R             | 930   | 26.9                 | 46.1 | 38.3   | 27.0   | 4.8          | 11.0          | 7.0           | 26.5             | 51                          | 3.1                 |
| NexGen 1553 R             | 927   | 24.5                 | 46.7 | 33.9   | 23.8   | 4.9          | 10.7          | 5.6           | 25.5             | 83                          | 3.1                 |
| PhytoGen 480 WR           | 899   | 25.0                 | 43.7 | 36.8   | 26.6   | 4.2          | 9.7           | 7.7           | 25.7             | 55                          | 2.3                 |
| Croplan Genetics 4020B2RF | 896   | 25.1                 | 42.9 | 38.0   | 26.2   | 4.6          | 9.7           | 6.2           | 28.4             | 55                          | 2.6                 |
| AFD 5064F                 | 865   | 22.4                 | 42.5 | 37.7   | 26.9   | 4.5          | 10.2          | 6.4           | 26.5             | 66                          | 2.8                 |
| Mean                      | 993   | 26.1                 | 43.2 | 37.4   | 27.0   | 5.1          | 10.3          | 6.6           | 28.1             | 64                          | 2.8                 |
| c.v.%                     | 9.5   | 5.7                  | 3.6  | 7.9    | 6.3    | 16.1         | 4.0           | 11.6          | 16.7             | 12.5                        | 3.4                 |
| LSD 0.05                  | 111   | 2.5                  | 2.7  | 5.2    | 3.0    | 1.4          | 0.7           | 1.3           | 8.1              | 14                          | 0.1                 |

Table 16A. Results of the irrigated late plated test at Texas AgriLife Research, Lubbock, TX, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                           |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| FiberMax 958LL            | 4.0             | 1.12   | 80.7            | 29.5     | 7.5             | 1             | 80.3 | 7.6 | 21-2,31-1                    | 0.5770        | 645.66                    | 1    |
| FiberMax 9058F            | 3.9             | 1.11   | 79.5            | 27.2     | 8.7             | 2             | 79.6 | 7.4 | 31-1,31-2                    | 0.5645        | 617.00                    | 3    |
| NexGen 2549 B2RF          | 3.6             | 1.06   | 81.0            | 27.9     | 9.5             | 3             | 78.4 | 8.0 | 31-1,31-2                    | 0.5400        | 589.68                    | 6    |
| Downer Genetics 1459      | 4.0             | 1.15   | 82.6            | 28.9     | 8.3             | 2             | 81.8 | 7.9 | 21-1,21-2                    | 0.5920        | 641.73                    | 2    |
| AFD 5062LL                | 4.0             | 1.08   | 81.8            | 28.9     | 8.2             | 3             | 79.4 | 7.6 | 31-1                         | 0.5535        | 586.71                    | 7    |
| Croplan Genetics 3035RF   | 3.9             | 1.09   | 79.5            | 26.4     | 9.4             | 2             | 78.5 | 9.0 | 21-1,21-2                    | 0.5715        | 592.07                    | 5    |
| NexGen 3410 RF            | 3.2             | 1.18   | 79.5            | 28.9     | 8.0             | 3             | 79.3 | 7.9 | 21-1,31-2                    | 0.5340        | 548.95                    | 19   |
| FiberMax 9150F            | 3.8             | 1.17   | 80.1            | 29.7     | 6.7             | 3             | 79.5 | 7.5 | 31-1,31-2                    | 0.5730        | 585.03                    | 8    |
| PhytoGen 310 R            | 4.1             | 1.07   | 80.7            | 27.1     | 9.1             | 2             | 80.0 | 8.4 | 21-2                         | 0.5615        | 572.73                    | 12   |
| Croplan Genetics 3520B2RF | 3.7             | 1.14   | 78.8            | 25.9     | 9.4             | 3             | 79.8 | 8.1 | 21-2,31-1                    | 0.5740        | 582.61                    | 10   |
| NexGen 1572 RF            | 3.0             | 1.17   | 79.7            | 28.4     | 8.3             | 3             | 79.8 | 7.6 | 31-1                         | 0.5210        | 528.29                    | 21   |
| FiberMax 9180B2F          | 3.9             | 1.19   | 81.7            | 29.5     | 8.3             | 2             | 81.1 | 7.5 | 31-1                         | 0.5820        | 583.16                    | 9    |
| Paymaster 183             | 4.3             | 0.98   | 81.5            | 26.2     | 9.1             | 1             | 79.0 | 8.7 | 21-2                         | 0.4978        | 493.82                    | 27   |
| PhytoGen 440 W            | 3.5             | 1.12   | 81.2            | 27.4     | 10.1            | 2             | 80.0 | 8.4 | 21-1,21-2                    | 0.5760        | 568.51                    | 13   |
| AFD 5065B2F               | 3.7             | 1.12   | 80.4            | 28.8     | 9.0             | 2             | 81.7 | 7.5 | 21-1,31-1                    | 0.5825        | 573.18                    | 11   |
| Croplan Genetics 3220B2RF | 3.6             | 1.12   | 80.0            | 26.4     | 9.4             | 1             | 80.8 | 8.4 | 21-1                         | 0.5800        | 568.40                    | 14   |
| NexGen 3273 B2RF          | 3.5             | 1.14   | 79.7            | 27.1     | 8.3             | 2             | 81.2 | 7.7 | 21-2,31-1                    | 0.5720        | 559.99                    | 15   |
| NexGen 3348 B2RF          | 3.9             | 1.11   | 80.4            | 29.1     | 8.9             | 1             | 79.5 | 8.1 | 31-1                         | 0.5770        | 553.34                    | 16   |
| NexGen 3550 RF            | 3.6             | 1.13   | 79.8            | 28.4     | 8.6             | 2             | 79.0 | 8.0 | 31-1                         | 0.5750        | 550.85                    | 17   |
| PhytoGen 370 WR           | 4.1             | 1.05   | 80.5            | 25.1     | 8.9             | 3             | 79.4 | 8.5 | 21-2                         | 0.5365        | 510.75                    | 25   |
| Croplan Genetics 3020B2RF | 3.6             | 1.09   | 80.3            | 25.4     | 9.2             | 2             | 80.7 | 8.1 | 21-1,21-2                    | 0.5620        | 528.84                    | 20   |
| All-Tex Excess            | 4.2             | 1.06   | 81.0            | 29.0     | 8.6             | 3             | 78.6 | 7.9 | 31-1,31-2                    | 0.5290        | 496.73                    | 26   |
| NexGen 2448 R             | 4.0             | 1.13   | 83.4            | 31.2     | 8.2             | 3             | 80.2 | 8.3 | 21-2                         | 0.5905        | 549.17                    | 18   |
| NexGen 1553 R             | 3.2             | 1.15   | 80.1            | 29.8     | 8.7             | 2             | 81.3 | 7.9 | 21-1,21-2                    | 0.5530        | 512.63                    | 24   |
| PhytoGen 480 WR           | 3.8             | 1.12   | 81.9            | 29.2     | 9.7             | 3             | 78.6 | 8.2 | 31-1                         | 0.5715        | 513.78                    | 23   |
| Croplan Genetics 4020B2RF | 3.7             | 1.13   | 79.1            | 26.0     | 8.6             | 1             | 80.5 | 8.3 | 21-2                         | 0.5765        | 516.54                    | 22   |
| AFD 5064F                 | 3.4             | 1.10   | 77.7            | 25.9     | 8.8             | 1             | 81.1 | 8.0 | 21-2                         | 0.5465        | 472.72                    | 28   |
| Mean                      | 3.7             | 1.11   | 80.4            | 28.0     | 8.7             | 2             | 80.0 | 8.0 |                              | 0.5620        |                           |      |
| c.v.%                     | 4.0             | 2.5    | 0.9             | 3.2      | 4.8             | 30.5          | 1.2  | 3.3 |                              | 2.0           |                           |      |
| LSD 0.05                  | 0.3             | 0.05   | 1.2             | 1.5      | 0.7             | 1             | 1.6  | 0.4 |                              | 0.0193        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grade from these two samples are identical, only one color grade if reported.

Table 17. Production information for dryland performance test at the AG-CARES Farm, Lamesa, TX 2007.

|                   |   |
|-------------------|---|
| Test:             | Regional Cotton Variety Test  |
| Planting Date:    | May 21  |
| Row Spacing:      | 40in  |
| Planting Pattern: | Solid   |
| Herbicide:        | Trifluralin @ 1.3pt/A applied pre-plant   |
| Fertilizer:       | 32-0-0 30lbs/A applied pre-plant  |
| Irrigations:      | 21.91 inches rainfall (Jan-Oct)   |
| Insecticide:      | Temik @ 3.5 lbs/A at planting<br>Intruder @ 1oz/A plus 1% crop oil applied June 20 (applied by air)               |
| Harvest Aids:     | Bolld @ 21oz/A and Def @ 12oz/A October 11 (applied by air)<br>Gramoxone max @ 16oz/A November 1 (applied by air) |
| Harvest Date:     | November 10   |
| Freeze Date:      | November 15   |

Table 18. Results of the dryland regional cotton variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation               | Yield | Agronomic Properties |      |        |        |           |            |            |               | % Open Bolls<br>10/15/07 | Storm Resistance |
|---------------------------|-------|----------------------|------|--------|--------|-----------|------------|------------|---------------|--------------------------|------------------|
|                           |       | % Turnout            |      | % Lint |        | Boll Size | Seed Index | Lint Index | Seed Per Boll |                          |                  |
|                           |       | Lint                 | Seed | Picked | Pulled |           |            |            |               |                          |                  |
| Croplan Genetics 3035RF   | 1363  | 33.8                 | 41.4 | 46.1   | 34.8   | 4.5       | 9.1        | 8.1        | 28.4          | 73                       | 2.4              |
| Paymaster 3535BG/RR       | 1264  | 33.4                 | 43.2 | 45.0   | 33.8   | 5.0       | 8.3        | 7.1        | 31.5          | 71                       | 2.9              |
| Seed Tec Genetics 210     | 1232  | 31.8                 | 45.3 | 40.8   | 31.7   | 5.6       | 9.0        | 6.4        | 35.6          | 70                       | 2.4              |
| Deltapine 164B2RF         | 1217  | 30.4                 | 44.9 | 41.0   | 30.8   | 4.9       | 9.2        | 6.7        | 30.3          | 44                       | 2.4              |
| Deltapine 455BG/RR        | 1202  | 31.3                 | 42.2 | 41.0   | 27.7   | 4.7       | 9.0        | 7.0        | 27.6          | 75                       | 2.2              |
| FiberMax 9150F            | 1181  | 32.0                 | 42.4 | 42.6   | 33.4   | 6.0       | 10.2       | 8.0        | 31.9          | 74                       | 3.0              |
| Stoneville 4892BR         | 1175  | 33.6                 | 43.7 | 42.4   | 32.1   | 4.9       | 10.4       | 8.2        | 25.5          | 84                       | 2.3              |
| FiberMax 1740B2F          | 1173  | 32.4                 | 41.6 | 42.1   | 30.1   | 5.1       | 9.6        | 7.6        | 28.3          | 75                       | 2.6              |
| Croplan Genetics 3220B2RF | 1169  | 32.3                 | 44.5 | 45.2   | 33.0   | 4.7       | 10.1       | 8.4        | 25.5          | 81                       | 2.3              |
| PhytoGen 310 R            | 1165  | 33.1                 | 42.8 | 43.3   | 30.6   | 4.8       | 9.3        | 7.5        | 27.5          | 85                       | 1.6              |
| Deltapine 121RF           | 1162  | 32.0                 | 40.4 | 44.9   | 31.9   | 4.8       | 9.2        | 7.7        | 28.1          | 82                       | 2.2              |
| FiberMax 958LL            | 1145  | 30.6                 | 41.8 | 42.5   | 31.7   | 5.5       | 10.5       | 8.1        | 29.2          | 74                       | 2.8              |
| FiberMax 960B2R           | 1130  | 29.5                 | 41.0 | 41.2   | 30.8   | 5.0       | 11.5       | 8.8        | 23.4          | 74                       | 2.8              |
| Deltapine 555BG/RR        | 1122  | 35.7                 | 42.9 | 44.9   | 34.8   | 3.8       | 7.8        | 6.6        | 25.4          | 79                       | 2.4              |
| FiberMax 1880B2F          | 1108  | 31.6                 | 46.0 | 39.5   | 29.9   | 4.7       | 9.5        | 6.5        | 28.5          | 80                       | 2.3              |
| FiberMax 958              | 1103  | 30.7                 | 42.0 | 41.8   | 28.4   | 5.0       | 10.5       | 8.0        | 26.4          | 73                       | 3.0              |
| PhytoGen 72               | 1103  | 30.4                 | 45.2 | 40.1   | 29.4   | 4.9       | 9.8        | 7.0        | 28.2          | 59                       | 1.6              |
| FiberMax 9058F            | 1102  | 31.5                 | 42.3 | 42.1   | 29.4   | 5.3       | 10.0       | 7.6        | 29.1          | 75                       | 3.0              |
| Deltapine 143B2RF         | 1096  | 30.5                 | 43.4 | 37.4   | 28.8   | 4.1       | 9.3        | 6.2        | 24.4          | 68                       | 2.4              |
| PhytoGen 370 WR           | 1094  | 31.7                 | 41.5 | 47.1   | 34.5   | 4.5       | 9.1        | 8.6        | 26.0          | 79                       | 1.8              |
| Deltapine 174RF           | 1070  | 34.6                 | 41.1 | 46.7   | 34.2   | 5.2       | 9.2        | 8.2        | 29.4          | 69                       | 2.4              |
| Americot 821R             | 1053  | 32.0                 | 46.1 | 41.3   | 30.5   | 5.1       | 9.2        | 6.8        | 30.9          | 79                       | 2.3              |
| All-Tex Top-Pick          | 1047  | 29.3                 | 45.8 | 36.3   | 25.5   | 4.8       | 9.2        | 5.9        | 29.6          | 68                       | 2.6              |
| Croplan Genetics 3020B2RF | 1043  | 28.8                 | 42.7 | 40.4   | 27.8   | 4.8       | 9.3        | 6.6        | 29.5          | 84                       | 2.4              |
| Deltapine 161B2RF         | 1040  | 31.1                 | 45.2 | 41.4   | 30.6   | 4.8       | 8.5        | 6.3        | 31.5          | 73                       | 2.4              |
| Croplan Genetics 4020B2RF | 1037  | 31.5                 | 44.5 | 41.2   | 31.1   | 4.6       | 9.3        | 6.8        | 27.8          | 73                       | 2.2              |
| FiberMax 9180B2F          | 1030  | 30.0                 | 43.6 | 39.7   | 28.3   | 5.3       | 10.6       | 7.3        | 28.7          | 78                       | 2.8              |
| Croplan Genetics 3520B2RF | 1029  | 30.1                 | 42.9 | 40.7   | 27.3   | 3.4       | 8.7        | 8.4        | 21.6          | 81                       | 2.2              |
| NexGen 2448 R             | 1024  | 30.3                 | 45.5 | 38.8   | 28.4   | 5.0       | 10.4       | 7.0        | 27.5          | 79                       | 3.1              |
| Paymaster 2167RR          | 1022  | 31.4                 | 45.1 | 40.5   | 30.3   | 4.9       | 8.5        | 6.1        | 32.6          | 81                       | 3.1              |

Table 18. Results of the dryland regional cotton variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation                  | Yield | Agronomic Properties |      |        |        |      |       |       |          |      | % Open<br>Bolls<br>10/15/07 | Storm<br>Resistance |
|------------------------------|-------|----------------------|------|--------|--------|------|-------|-------|----------|------|-----------------------------|---------------------|
|                              |       | % Turnout            |      | % Lint |        | Boll | Seed  | Lint  | Seed Per |      |                             |                     |
|                              |       | Lint                 | Seed | Picked | Pulled | Size | Index | Index | Boll     |      |                             |                     |
| FiberMax 5044RR              | 1020  | 28.9                 | 44.8 | 37.1   | 29.4   | 5.8  | 10.7  | 7.2   | 29.5     | 75   | 3.2                         |                     |
| Beltwide Cotton Genetics 24R | 1008  | 28.5                 | 42.3 | 41.9   | 32.6   | 4.9  | 8.2   | 6.2   | 33.1     | 85   | 2.7                         |                     |
| Deltapine 141B2RF            | 1002  | 29.7                 | 43.8 | 39.0   | 26.8   | 4.4  | 8.1   | 5.6   | 30.3     | 78   | 2.6                         |                     |
| PhytoGen 480 WR              | 999   | 29.3                 | 43.9 | 41.2   | 29.9   | 4.3  | 9.5   | 6.9   | 25.3     | 83   | 2.0                         |                     |
| PhytoGen 440 W               | 998   | 28.7                 | 41.9 | 41.4   | 32.3   | 4.7  | 9.9   | 8.5   | 26.4     | 85   | 2.4                         |                     |
| FiberMax 981LL               | 991   | 27.8                 | 42.9 | 39.3   | 27.1   | 5.0  | 9.6   | 6.7   | 29.3     | 62   | 2.5                         |                     |
| All-Tex 85039                | 961   | 28.0                 | 46.9 | 37.4   | 27.9   | 5.8  | 10.8  | 6.9   | 31.4     | 76   | 3.0                         |                     |
| Paymaster 2266RR             | 958   | 28.0                 | 45.6 | 37.4   | 28.2   | 5.6  | 10.7  | 6.8   | 30.4     | 75   | 3.1                         |                     |
| All-Tex 85041                | 950   | 28.3                 | 43.1 | 39.8   | 27.9   | 5.3  | 10.4  | 7.1   | 29.8     | 88   | 3.0                         |                     |
| All-Tex Excess RR            | 905   | 27.3                 | 46.1 | 38.4   | 29.9   | 5.4  | 10.3  | 6.7   | 30.5     | 75   | 3.0                         |                     |
| AFD 3511RR                   | 865   | 27.3                 | 46.6 | 38.2   | 28.7   | 4.6  | 10.4  | 6.7   | 26.1     | 84   | 3.0                         |                     |
| All-Tex Atlas RR             | 858   | 29.1                 | 46.6 | 44.1   | 32.9   | 5.3  | 10.2  | 7.8   | 30.0     | 90   | 3.1                         |                     |
| Dyna-Gro OA265BR             | 822   | 28.0                 | 44.6 | 37.8   | 27.0   | 5.7  | 10.8  | 7.1   | 29.8     | 64   | 2.5                         |                     |
| Paymaster 2326RR             | 801   | 27.5                 | 44.0 | 37.7   | 30.0   | 5.1  | 10.6  | 6.9   | 27.8     | 63   | 3.1                         |                     |
| Mean                         | 1064  | 30.5                 | 43.7 | 41.1   | 30.3   | 4.9  | 9.6   | 7.2   | 28.6     | 75   | 2.6                         |                     |
| c.v.%                        | 9.9   | 4.6                  | 3.8  | 4.8    | 6.5    | 8.3  | 4.4   | 9.1   | 9.0      | 14.0 | 8.4                         |                     |
| LSD 0.05                     | 123   | 2.4                  | 2.8  | 3.3    | 3.3    | 0.7  | 0.7   | 1.1   | 4.3      | 18   | 0.3                         |                     |

Table 18A. Results of the dryland regional cotton variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                           |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| Croplan Genetics 3035RF   | 4.8             | 1.08   | 81.3            | 26.6     | 9.5             | 2             | 79.9 | 8.6 | 21-1,21-2                    | 0.5595        | 762.60                    | 1    |
| Paymaster 3535BG/RR       | 4.5             | 1.11   | 79.4            | 26.8     | 7.9             | 1             | 79.3 | 7.9 | 31-1                         | 0.5678        | 717.70                    | 2    |
| Seed Tec Genetics 210     | 4.8             | 1.09   | 81.5            | 28.6     | 8.9             | 1             | 81.2 | 7.8 | 21-1,31-1                    | 0.5695        | 701.62                    | 3    |
| Deltapine 164B2RF         | 4.7             | 1.14   | 81.0            | 26.2     | 8.1             | 1             | 77.8 | 7.9 | 31-1,31-2                    | 0.5763        | 701.36                    | 4    |
| Deltapine 455BG/RR        | 4.6             | 1.13   | 82.3            | 29.0     | 9.3             | 1             | 77.7 | 8.1 | 31-1,41-1                    | 0.5613        | 674.68                    | 7    |
| FiberMax 9150F            | 4.5             | 1.14   | 80.6            | 30.1     | 6.6             | 1             | 80.7 | 7.7 | 31-1                         | 0.5788        | 683.56                    | 6    |
| Stoneville 4892BR         | 5.1             | 1.05   | 82.1            | 26.1     | 8.3             | 2             | 78.0 | 8.7 | 21-2,31-1                    | 0.5005        | 588.09                    | 25   |
| FiberMax 1740B2F          | 4.6             | 1.07   | 80.8            | 28.2     | 8.2             | 1             | 81.3 | 7.9 | 21-1,21-2                    | 0.5478        | 642.57                    | 11   |
| Croplan Genetics 3220B2RF | 4.9             | 1.11   | 81.8            | 27.4     | 9.0             | 1             | 81.3 | 8.5 | 21-1                         | 0.5855        | 684.45                    | 5    |
| PhytoGen 310 R            | 4.7             | 1.06   | 81.5            | 28.6     | 8.9             | 1             | 80.2 | 8.4 | 21-1,31-1                    | 0.5430        | 632.60                    | 14   |
| Deltapine 121RF           | 5.1             | 1.09   | 82.7            | 27.9     | 8.8             | 2             | 76.5 | 8.5 | 31-1,41-3                    | 0.5293        | 615.05                    | 18   |
| FiberMax 958LL            | 4.6             | 1.12   | 80.8            | 30.2     | 6.9             | 1             | 82.0 | 7.3 | 21-2,31-1                    | 0.5783        | 662.15                    | 8    |
| FiberMax 960B2R           | 4.8             | 1.13   | 81.1            | 29.1     | 6.7             | 1             | 78.5 | 7.8 | 21-2,41-1                    | 0.5665        | 640.15                    | 12   |
| Deltapine 555BG/RR        | 4.2             | 1.06   | 79.3            | 27.2     | 7.7             | 1             | 80.9 | 7.8 | 21-2,31-1                    | 0.5413        | 607.34                    | 20   |
| FiberMax 1880B2F          | 4.2             | 1.14   | 80.1            | 30.1     | 8.1             | 1             | 78.7 | 7.6 | 21-2,41-1                    | 0.5658        | 626.91                    | 15   |
| FiberMax 958              | 4.6             | 1.14   | 81.4            | 28.5     | 7.0             | 1             | 81.9 | 7.8 | 21-1,21-2                    | 0.5878        | 648.34                    | 10   |
| PhytoGen 72               | 4.5             | 1.18   | 83.4            | 33.6     | 8.1             | 1             | 79.4 | 8.1 | 21-1,31-1                    | 0.5895        | 650.22                    | 9    |
| FiberMax 9058F            | 4.3             | 1.13   | 79.7            | 27.2     | 7.3             | 2             | 80.5 | 7.5 | 21-2,31-2                    | 0.5795        | 638.61                    | 13   |
| Deltapine 143B2RF         | 4.3             | 1.12   | 79.0            | 25.4     | 8.0             | 2             | 79.8 | 7.8 | 21-2,31-1                    | 0.5673        | 621.76                    | 16   |
| PhytoGen 370 WR           | 4.8             | 1.07   | 81.6            | 29.0     | 8.5             | 2             | 79.6 | 8.2 | 31-1                         | 0.5420        | 592.95                    | 23   |
| Deltapine 174RF           | 4.8             | 1.11   | 79.5            | 25.9     | 8.3             | 2             | 77.3 | 8.3 | 31-1,31-2                    | 0.5678        | 607.55                    | 19   |
| Americot 821R             | 4.8             | 1.08   | 82.7            | 26.8     | 8.7             | 1             | 80.4 | 8.4 | 21-1,21-2                    | 0.5608        | 590.52                    | 24   |
| All-Tex Top-Pick          | 4.7             | 1.13   | 80.7            | 27.2     | 8.3             | 2             | 77.7 | 8.1 | 31-1,31-2                    | 0.5695        | 596.27                    | 21   |
| Croplan Genetics 3020B2RF | 4.6             | 1.07   | 81.7            | 24.6     | 8.9             | 2             | 79.0 | 7.9 | 31-1                         | 0.5485        | 572.09                    | 31   |
| Deltapine 161B2RF         | 4.7             | 1.15   | 82.7            | 29.7     | 8.1             | 1             | 81.2 | 7.8 | 21-1,21-2                    | 0.5923        | 615.99                    | 17   |
| Croplan Genetics 4020B2RF | 4.5             | 1.12   | 81.1            | 25.6     | 8.8             | 2             | 77.8 | 8.2 | 21-1,41-1                    | 0.5588        | 579.48                    | 27   |
| FiberMax 9180B2F          | 4.7             | 1.14   | 81.6            | 29.4     | 7.4             | 1             | 79.9 | 7.5 | 31-1,31-2                    | 0.5785        | 595.86                    | 22   |
| Croplan Genetics 3520B2RF | 4.8             | 1.10   | 81.4            | 25.6     | 9.0             | 2             | 76.9 | 8.1 | 31-1,31-2                    | 0.5625        | 578.81                    | 29   |
| NexGen 2448 R             | 4.7             | 1.09   | 82.1            | 28.2     | 8.6             | 2             | 76.1 | 8.3 | 31-1,41-1                    | 0.5460        | 559.10                    | 33   |
| Paymaster 2167RR          | 5.0             | 0.98   | 81.8            | 27.1     | 8.7             | 2             | 75.7 | 7.6 | 41-1                         | 0.4793        | 489.84                    | 39   |

Table 18A. Results of the dryland regional cotton variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation                  | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elongation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|------------------------------|-----------------|--------|-----------------|----------|------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                              |                 |        |                 |          |            |               |      |     |                              |               | \$                        | Rank |
| FiberMax 5044RR              | 4.1             | 1.09   | 81.9            | 27.2     | 9.5        | 1             | 79.7 | 8.1 | 21-1,31-2                    | 0.5718        | 583.24                    | 26   |
| Beltwide Cotton Genetics 24R | 3.9             | 1.06   | 80.3            | 27.7     | 9.0        | 2             | 79.2 | 8.0 | 31-1                         | 0.5268        | 531.01                    | 36   |
| Deltapine 141B2RF            | 4.3             | 1.14   | 79.7            | 27.3     | 8.1        | 2             | 79.2 | 7.8 | 21-2,31-2                    | 0.5783        | 579.46                    | 28   |
| PhytoGen 480 WR              | 4.8             | 1.12   | 82.4            | 28.7     | 9.3        | 2             | 77.4 | 8.3 | 31-1,31-2                    | 0.5763        | 575.72                    | 30   |
| PhytoGen 440 W               | 4.6             | 1.11   | 82.1            | 28.2     | 9.2        | 2             | 76.8 | 8.4 | 31-1,31-4                    | 0.5720        | 570.86                    | 32   |
| FiberMax 981LL               | 4.4             | 1.13   | 81.4            | 30.2     | 7.2        | 1             | 77.2 | 6.9 | 31-2,41-2                    | 0.5625        | 557.44                    | 34   |
| All-Tex 85039                | 4.7             | 1.07   | 82.8            | 31.2     | 8.3        | 2             | 78.6 | 7.8 | 31-1,31-2                    | 0.5600        | 538.16                    | 35   |
| Paymaster 2266RR             | 4.6             | 1.05   | 82.5            | 29.8     | 8.8        | 1             | 78.9 | 7.7 | 31-1,31-2                    | 0.5313        | 508.99                    | 37   |
| All-Tex 85041                | 4.8             | 1.01   | 81.4            | 27.3     | 8.1        | 2             | 78.3 | 7.4 | 31-1,41-1                    | 0.4960        | 471.20                    | 41   |
| All-Tex Excess RR            | 4.6             | 1.07   | 81.5            | 29.5     | 8.7        | 2             | 81.5 | 7.7 | 21-2                         | 0.5488        | 496.66                    | 38   |
| AFD 3511RR                   | 4.7             | 1.06   | 81.9            | 31.2     | 7.7        | 2             | 79.4 | 7.9 | 31-1                         | 0.5445        | 470.99                    | 42   |
| All-Tex Atlas RR             | 4.7             | 1.02   | 81.8            | 28.0     | 8.7        | 1             | 79.2 | 7.6 | 31-1,31-2                    | 0.5145        | 441.44                    | 43   |
| Dyna-Gro OA265BR             | 4.4             | 1.14   | 82.5            | 33.9     | 7.7        | 1             | 79.6 | 7.9 | 21-1,31-2                    | 0.5870        | 482.51                    | 40   |
| Paymaster 2326RR             | 4.6             | 1.04   | 82.0            | 28.1     | 8.5        | 2             | 78.3 | 7.6 | 21-2,41-1                    | 0.5263        | 421.57                    | 44   |
| Mean                         | 4.6             | 1.09   | 81.4            | 28.3     | 8.3        | 1             | 79.1 | 7.9 |                              | 0.5570        |                           |      |
| c.v.%                        | 3.8             | 1.6    | 1.0             | 4.3      | 3.4        | 36.4          | 2.5  | 3.3 |                              | 3.3           |                           |      |
| LSD 0.05                     | 0.3             | 0.03   | 1.4             | 2.1      | 0.5        | 1             | 3.3  | 0.4 |                              | 0.0312        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the two color grades from these two samples are identical, only one color grade is reported.



Table 19. Yield summary of the dryland regional cotton variety test at the AG-CARES Farm, Lamesa, TX.

| Designation                  | 2003 | 2004 | 2005 | 2006 | 2007 | Average | Comp. Average* |
|------------------------------|------|------|------|------|------|---------|----------------|
| Five Year Average            |      |      |      |      |      |         |                |
| All-Tex Atlas RR             | 250  | 433  | 280  | 133  | 858  | 391     |                |
| FiberMax 958                 | 377  | 494  | 347  | 165  | 1103 | 497     |                |
| NexGen 2448 R                | 396  | 485  | 344  | 135  | 1024 | 477     |                |
| Paymaster 2167 RR            | 428  | 475  | 270  | 194  | 1022 | 478     |                |
| Paymaster 2266 RR            | 416  | 519  | 298  | 160  | 958  | 470     |                |
| Paymaster 2326 RR            | 292  | 478  | 259  | 130  | 801  | 392     |                |
| Stoneville 4892 BR           | 425  | 424  | 539  | 210  | 1175 | 555     |                |
| Four Year Average            |      |      |      |      |      |         |                |
| AFD 3511 RR                  |      | 471  | 294  | 308  | 865  | 485     | 461            |
| FiberMax 958 LL              |      | 571  | 304  | 341  | 1145 | 590     | 566            |
| Three Year Average           |      |      |      |      |      |         |                |
| All-Tex Excess RR            |      |      | 329  | 163  | 905  | 466     | 436            |
| Beltwide Cotton Genetics 24R |      |      | 364  | 151  | 1008 | 508     | 478            |
| Deltapine 455 BG/RR          |      |      | 494  | 172  | 1202 | 623     | 593            |
| Deltapine 555 BG/RR          |      |      | 548  | 201  | 1122 | 624     | 594            |
| FiberMax 5044RR              |      |      | 293  | 139  | 1020 | 484     | 455            |
| FiberMax 960B2R              |      |      | 503  | 208  | 1130 | 614     | 584            |
| PhytoGen 310R                |      |      | 330  | 194  | 1165 | 563     | 534            |
| PhytoGen 370 WR              |      |      | 410  | 161  | 1094 | 555     | 526            |
| PhytoGen 480 WR              |      |      | 457  | 155  | 999  | 537     | 508            |
| PhytoGen 72                  |      |      | 260  | 118  | 1103 | 494     | 464            |

\* Patterson, R.R. 1950. A method of adjustment for calculating comparable yields in variety tests.

Table 20. Production information for dryland performance test at Texas AgriLife Research, Halfway, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | Cotton Variety Test  |
| Planting Date:    | May 17   |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Treflan 1 ¼ pt/A applied pre-plant   |
| Fertilizer:       | 40-0-0 lbs/A applied pre-plant   |
| Irrigations:      | 21.02 in rainfall (Jan-Oct)  |
| Insecticide:      | Temik @ 3.2 lbs/A at planting  |
| Harvest Aids:     | Prep @ 32oz/A and Def 6 16oz/A October 16<br>Gramoxone @ 24oz/A October 29 |
| Harvest Date:     | November 5   |
| Freeze Date:      | October 23   |

Table 21A. Results of the dryland cotton variety test at Texas AgriLife, Halfway, TX, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                           |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| FiberMax 9150F            | 4.8             | 1.02   | 80.4            | 26.9     | 7.2             | 3             | 76.5 | 8.2 | 31-1,41-1                    | 0.5028        | 355.98                    | 1    |
| AFD 5064F                 | 4.6             | 1.00   | 79.6            | 28.2     | 8.4             | 3             | 76.3 | 7.9 | 31-2,41-1                    | 0.4965        | 328.19                    | 2    |
| FiberMax 9058F            | 4.6             | 1.01   | 78.7            | 25.3     | 7.6             | 2             | 77.7 | 8.2 | 31-1,31-2                    | 0.4918        | 309.83                    | 5    |
| Croplan Genetics 3035RF   | 5.1             | 0.98   | 80.2            | 25.5     | 10.5            | 1             | 73.4 | 9.5 | 32-2,42-1                    | 0.4637        | 290.28                    | 8    |
| PhytoGen 440 W            | 4.8             | 1.03   | 81.3            | 28.2     | 9.1             | 2             | 75.5 | 8.4 | 31-1,31-2,41-1               | 0.5147        | 322.20                    | 3    |
| All-Tex Arid B2RF         | 4.4             | 1.00   | 79.2            | 26.1     | 8.9             | 3             | 73.8 | 8.4 | 31-2,41-3,42-2               | 0.4867        | 297.86                    | 7    |
| PhytoGen 310 R            | 5.3             | 0.95   | 80.0            | 25.7     | 9.5             | 1             | 74.6 | 9.1 | 31-3,32-,42-2                | 0.4542        | 275.25                    | 10   |
| FiberMax 958LL            | 5.1             | 1.01   | 79.6            | 25.3     | 7.3             | 2             | 78.2 | 8.3 | 31-1                         | 0.4972        | 299.81                    | 6    |
| Croplan Genetics 3220B2RF | 4.8             | 1.06   | 80.3            | 26.4     | 8.8             | 1             | 79.2 | 8.4 | 21-1,31-1,31-3               | 0.5323        | 315.65                    | 4    |
| AFD 5062LL                | 4.7             | 0.96   | 80.1            | 27.5     | 8.2             | 3             | 75.1 | 8.0 | 31-2,41-1,41-2               | 0.4855        | 284.50                    | 9    |
| Croplan Genetics 3020B2RF | 4.8             | 0.99   | 80.2            | 26.2     | 8.7             | 2             | 78.6 | 8.7 | 21-1,21-2,31-1               | 0.5005        | 267.77                    | 11   |
| PhytoGen 370 WR           | 5.1             | 0.96   | 79.6            | 26.1     | 9.1             | 2             | 76.0 | 9.1 | 21-1,31-4                    | 0.4780        | 252.38                    | 12   |
| Croplan Genetics 3520B2RF | 4.9             | 0.96   | 79.4            | 22.8     | 9.8             | 2             | 74.5 | 8.9 | 31-4,41-3                    | 0.4642        | 239.99                    | 14   |
| PhytoGen 480 WR           | 5.1             | 1.01   | 80.3            | 28.0     | 9.5             | 5             | 72.7 | 9.2 | 31-2,31-3,52-1               | 0.3680        | 178.48                    | 16   |
| FiberMax 1600LL           | 4.8             | 1.07   | 81.2            | 28.5     | 6.8             | 1             | 78.2 | 7.7 | 31-1,31-2,41-1               | 0.5247        | 246.08                    | 13   |
| Dyna-Gro OA265 BR         | 4.6             | 1.09   | 81.7            | 35.8     | 8.3             | 2             | 76.9 | 8.6 | 31-1,31-2                    | 0.5573        | 230.16                    | 15   |
| Mean                      | 4.8             | 1.04   | 80.1            | 27.0     | 8.6             | 3             | 76.1 | 8.5 |                              | 0.4890        |                           |      |
| c.v.%                     | 4.4             | 4.0    | 1.0             | 5.6      | 5.9             | 41.5          | 3.0  | 4.5 |                              | 13.2          |                           |      |
| LSD 0.05                  | 0.3             | 0.06   | 1.1             | 2.1      | 0.7             | 1             | 3.1  | 0.5 |                              | 0.0893        |                           |      |

1/ Fiber quality determinations are made on samples from three reps. If the color grades from these three samples are identical, only one color grade is reported.

Table 21. Results of the dryland cotton variety test at Texas AgriLife Research, Halfway, TX, 2007.

| Designation               | Yield | Agronomic Properties |      |        |        |           |            |            |               |                  |
|---------------------------|-------|----------------------|------|--------|--------|-----------|------------|------------|---------------|------------------|
|                           |       | % Turnout            |      | % Lint |        | Boll Size | Seed Index | Lint Index | Seed Per Boll | Storm Resistance |
|                           |       | Lint                 | Seed | Picked | Pulled |           |            |            |               |                  |
| FiberMax 9150F            | 708   | 32.6                 | 39.8 | 41.6   | 31.6   | 6.1       | 9.2        | 7.3        | 34.8          | 2.8              |
| AFD 5064F                 | 661   | 30.4                 | 42.7 | 39.4   | 29.0   | 4.4       | 8.8        | 6.5        | 26.5          | 2.8              |
| FiberMax 9058F            | 630   | 32.9                 | 39.2 | 42.7   | 29.2   | 4.7       | 9.1        | 6.9        | 27.1          | 2.9              |
| Croplan Genetics 3035RF   | 626   | 32.9                 | 38.5 | 43.8   | 32.4   | 4.6       | 8.7        | 7.4        | 27.1          | 2.6              |
| PhytoGen 440 W            | 626   | 30.6                 | 40.3 | 40.4   | 30.0   | 4.5       | 9.2        | 6.9        | 26.2          | 2.6              |
| All-Tex Arid B2RF         | 612   | 28.6                 | 44.4 | 37.2   | 27.8   | 5.3       | 9.5        | 6.2        | 31.5          | 3.1              |
| PhytoGen 310 R            | 606   | 31.3                 | 37.8 | 43.0   | 31.9   | 4.9       | 9.3        | 7.7        | 27.4          | 2.4              |
| FiberMax 958LL            | 603   | 30.5                 | 38.0 | 42.2   | 30.4   | 4.9       | 9.5        | 7.7        | 28.2          | 2.8              |
| Croplan Genetics 3220B2RF | 593   | 31.3                 | 40.5 | 41.4   | 31.3   | 5.2       | 9.7        | 7.4        | 29.2          | 2.6              |
| AFD 5062LL                | 586   | 31.2                 | 42.2 | 39.0   | 30.7   | 6.1       | 9.1        | 6.4        | 33.2          | 2.9              |
| Croplan Genetics 3020B2RF | 535   | 29.4                 | 41.1 | 39.7   | 28.1   | 4.7       | 9.2        | 6.6        | 28.1          | 2.6              |
| PhytoGen 370 WR           | 528   | 31.9                 | 39.3 | 40.2   | 29.6   | 4.2       | 9.0        | 8.0        | 24.5          | 2.4              |
| Croplan Genetics 3520B2RF | 517   | 28.9                 | 38.7 | 39.1   | 27.7   | 3.8       | 8.4        | 7.4        | 24.6          | 2.6              |
| PhytoGen 480 WR           | 485   | 29.9                 | 41.7 | 37.8   | 28.2   | 3.9       | 8.9        | 6.0        | 24.5          | 2.3              |
| FiberMax 1600LL           | 469   | 31.6                 | 41.2 | 41.7   | 29.2   | 4.9       | 10.0       | 6.9        | 26.8          | 2.7              |
| Dyna-Gro OA265 BR         | 413   | 25.9                 | 38.4 | 40.8   | 27.9   | 5.1       | 10.6       | 7.2        | 27.6          | 2.4              |
| Mean                      | 575   | 30.6                 | 40.3 | 40.6   | 29.7   | 4.8       | 9.3        | 9.0        | 27.9          | 2.7              |
| c.v.%                     | 14.6  | 3.7                  | 3.7  | 2.2    | 4.6    | 9.4       | 3.2        | 13.3       | 9.4           | 4.7              |
| LSD 0.05                  | 117   | 1.6                  | 2.0  | 1.2    | 1.9    | 0.6       | 0.4        | 1.3        | 3.7           | 0.2              |

Table 22. Yield summary of the dryland cotton variety test at Texas AgriLife Research, Halfway, TX.

| Designation     | 2004              | 2005 | 2006 | 2007 | Average |
|-----------------|-------------------|------|------|------|---------|
|                 | Four Year Average |      |      |      |         |
| FiberMax 958 LL | 344               | 1177 | 893  | 603  | 754     |

Table 23. Production information for dryland performance test at Texas AgriLife Research, Lubbock, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | Cotton Variety Test  |
| Planting Date:    | May 4  |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Treflan 1 ¼ pt/A applied pre-plant                         |
| Fertilizer:       | 40-0-0 lbs/A applied pre-plant                             |
| Irrigations:      | 21.21 inches rainfall (Jan-Oct)                            |
| Insecticide:      | Temik @ 3.2 lbs/A at planting<br>Intruder @ 1oz/A August 7 |
| Harvest Aids:     | Gramoxone @24 oz/A and Aim @ 1oz/A November 2              |
| Harvest Date:     | November 20  |
| Freeze Date:      | October 23   |

Table 24. Results of the dryland cotton variety test at Texas AgriLife Research, Lubbock, TX 2007.

| Designation               | Agronomic Properties |        |           |            |            |               | Storm Resistance |
|---------------------------|----------------------|--------|-----------|------------|------------|---------------|------------------|
|                           | % Lint               |        | Boll Size | Seed Index | Lint Index | Seed Per Boll |                  |
|                           | Picked               | Pulled |           |            |            |               |                  |
| All-Tex 85039             | 31.3                 | 23.4   | 6.7       | 8.8        | 5.1        | 41.2          | 3.0              |
| All-Tex 85041             | 32.6                 | 24.0   | 6.3       | 9.7        | 6.0        | 34.4          | 3.0              |
| All-Tex Top-Pick          | 31.5                 | 22.3   | 5.5       | 9.0        | 5.5        | 31.5          | 2.6              |
| Croplan Genetics 3020B2RF | 32.5                 | 24.2   | 5.7       | 9.0        | 5.8        | 32.0          | 2.5              |
| Croplan Genetics 3035RF   | 36.1                 | 27.2   | 5.7       | 9.9        | 7.4        | 27.7          | 2.5              |
| Croplan Genetics 3220B2RF | 34.3                 | 25.2   | 5.6       | 9.8        | 6.8        | 29.7          | 2.7              |
| Croplan Genetics 3520B2RF | 33.4                 | 24.7   | 6.8       | 8.9        | 5.8        | 39.8          | 2.5              |
| Croplan Genetics 4020B2RF | 33.1                 | 23.9   | 5.3       | 7.6        | 5.1        | 34.5          | 2.6              |
| Deltapine 147RF           | 34.4                 | 25.7   | 5.9       | 9.1        | 6.3        | 33.0          | 2.7              |
| Deltapine 174RF           | 36.9                 | 26.5   | 6.1       | 10.1       | 7.8        | 28.6          | 2.9              |
| Deltapine 455BG/RR        | 36.1                 | 28.2   | 6.6       | 9.3        | 7.3        | 32.9          | 2.6              |
| Dyna-Gro OA265 BR         | 31.6                 | 23.5   | 7.0       | 9.4        | 5.6        | 39.5          | 2.3              |
| FiberMax 958              | 35.2                 | 25.9   | 6.2       | 9.9        | 7.0        | 31.8          | 2.8              |
| FiberMax 1600LL           | 34.8                 | 25.6   | 6.1       | 8.3        | 5.8        | 37.0          | 2.7              |
| FiberMax 1740B2F          | 35.8                 | 27.0   | 6.2       | 8.9        | 6.6        | 33.9          | 2.6              |
| FiberMax 1840B2F          | 33.9                 | 23.0   | 6.1       | 8.2        | 5.5        | 37.9          | 2.8              |
| FiberMax 1880B2F          | 33.1                 | 25.1   | 5.9       | 8.5        | 5.4        | 35.8          | 2.6              |
| FiberMax 9058F            | 35.0                 | 25.9   | 6.2       | 9.8        | 6.8        | 31.9          | 3.0              |
| FiberMax 9063B2F          | 33.8                 | 24.9   | 6.4       | 10.9       | 7.2        | 30.0          | 2.9              |
| FiberMax 9150F            | 35.1                 | 26.6   | 6.3       | 9.7        | 6.9        | 32.3          | 3.1              |
| FiberMax 9180B2F          | 34.4                 | 25.5   | 6.4       | 9.8        | 6.7        | 33.4          | 2.9              |
| FiberMax 958LL            | 34.6                 | 24.8   | 6.2       | 11.0       | 7.6        | 28.3          | 2.9              |
| FiberMax 981LL            | 32.7                 | 23.0   | 5.8       | 9.0        | 5.8        | 32.9          | 2.8              |
| Paymaster 183             | 32.4                 | 22.6   | 5.9       | 8.7        | 5.5        | 35.6          | 3.0              |
| Paymaster 3535BG/RR       | 36.3                 | 28.0   | 5.9       | 8.9        | 6.8        | 31.8          | 2.7              |
| PhytoGen 310 R            | 35.5                 | 25.8   | 5.2       | 8.0        | 5.6        | 32.8          | 2.5              |
| PhytoGen 370 WR           | 34.5                 | 25.6   | 5.4       | 8.5        | 6.1        | 31.6          | 2.5              |
| PhytoGen 440 W            | 34.3                 | 25.9   | 5.4       | 9.6        | 6.7        | 27.9          | 2.5              |
| PhytoGen 480 WR           | 32.0                 | 24.1   | 5.2       | 8.9        | 5.8        | 29.5          | 2.4              |
| Seed Tec Genetics 210     | 34.0                 | 25.6   | 5.6       | 7.7        | 5.2        | 36.6          | 2.5              |
| Mean                      | 34.0                 | 25.1   | 6.0       | 9.1        | 6.2        | 33.2          | 2.7              |
| c.v.%                     | 2.6                  | 4.4    | 10.1      | 12.3       | 12.9       | 16.1          | 8.0              |
| LSD 0.05                  | 1.5                  | 1.9    | 1.0       | 1.9        | 1.4        | 9.0           | 0.3              |

Note: Varieties are listed alphabetically. Test was not harvested due to hail, boll samples were harvested to calculate shown properties.

Table 24A. Results of the dryland cotton variety test at Texas AgriLife Research, Lubbock, TX, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value |
|---------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|
| All-Tex 85039             | 4.7             | 1.10   | 82.4            | 30.3     | 8.9             | 2             | 80.7 | 8.3 | 21-1                         | 0.5838        |
| All-Tex 85041             | 4.8             | 1.05   | 81.8            | 28.3     | 8.4             | 2             | 81.0 | 8.3 | 21-1                         | 0.5318        |
| All-Tex Top-Pick          | 4.1             | 1.14   | 80.8            | 27.5     | 8.8             | 2             | 80.7 | 8.3 | 21-1                         | 0.5875        |
| Croplan Genetics 3020B2RF | 4.1             | 1.09   | 80.5            | 27.6     | 9.2             | 2             | 80.8 | 8.2 | 21-1                         | 0.5745        |
| Croplan Genetics 3035RF   | 4.3             | 1.10   | 81.8            | 25.8     | 10.0            | 3             | 75.6 | 8.6 | 21-1,42-2                    | 0.5335        |
| Croplan Genetics 3220B2RF | 4.2             | 1.13   | 80.8            | 27.2     | 9.3             | 2             | 80.8 | 8.3 | 21-1                         | 0.5875        |
| Croplan Genetics 3520B2RF | 4.2             | 1.12   | 80.7            | 26.2     | 9.8             | 2             | 80.9 | 8.2 | 21-1                         | 0.5825        |
| Croplan Genetics 4020B2RF | 4.1             | 1.18   | 80.9            | 25.8     | 9.3             | 2             | 79.2 | 7.9 | 21-1,31-2                    | 0.5805        |
| Deltapine 147RF           | 4.0             | 1.16   | 79.5            | 27.3     | 7.7             | 2             | 80.4 | 7.9 | 21-1,31-1                    | 0.5795        |
| Deltapine 174RF           | 4.1             | 1.07   | 80.8            | 27.9     | 8.8             | 2             | 80.7 | 8.3 | 21-1                         | 0.5545        |
| Deltapine 455BG/RR        | 4.2             | 1.14   | 82.0            | 29.9     | 7.7             | 2             | 77.3 | 8.5 | 31-1                         | 0.5783        |
| Dyna-Gro OA265 BR         | 4.0             | 1.18   | 81.7            | 33.1     | 8.5             | 2             | 80.8 | 8.4 | 21-1                         | 0.5953        |
| FiberMax 958              | 4.4             | 1.14   | 81.3            | 28.0     | 7.6             | 2             | 80.8 | 8.3 | 21-1                         | 0.5878        |
| FiberMax 1600LL           | 4.3             | 1.10   | 80.7            | 28.2     | 8.3             | 1             | 77.6 | 7.8 | 31-1,41-1                    | 0.5580        |
| FiberMax 1740B2F          | 4.1             | 1.01   | 80.7            | 30.7     | 8.9             | 2             | 80.8 | 8.3 | 21-1                         | 0.5155        |
| FiberMax 1840B2F          | 4.0             | 1.16   | 80.8            | 29.9     | 8.4             | 2             | 80.4 | 7.8 | 21-1,31-1                    | 0.5858        |
| FiberMax 1880B2F          | 4.2             | 1.15   | 79.5            | 25.6     | 7.6             | 3             | 73.7 | 7.2 | 41-2                         | 0.5355        |
| FiberMax 9058F            | 4.4             | 1.17   | 81.2            | 29.9     | 8.2             | 3             | 77.2 | 7.5 | 21-1,51-1                    | 0.5478        |
| FiberMax 9063B2F          | 4.3             | 1.16   | 80.2            | 28.2     | 7.7             | 2             | 80.9 | 8.2 | 21-1                         | 0.5845        |
| FiberMax 9150F            | 4.7             | 1.06   | 82.7            | 27.5     | 8.2             | 1             | 76.6 | 8.1 | 31-4,41-1                    | 0.5215        |
| FiberMax 9180B2F          | 4.4             | 1.16   | 81.2            | 29.9     | 7.5             | 2             | 80.7 | 8.2 | 21-1                         | 0.5898        |
| FiberMax 958LL            | 4.1             | 1.15   | 81.5            | 29.4     | 7.9             | 2             | 77.1 | 7.8 | 21-1,41-2                    | 0.5685        |
| FiberMax 981LL            | 4.2             | 1.13   | 80.1            | 28.6     | 8.4             | 2             | 78.2 | 8.1 | 21-1,41-1                    | 0.5643        |
| Paymaster 183             | 4.3             | 1.06   | 81.8            | 26.3     | 9.7             | 2             | 80.8 | 8.3 | 21-1                         | 0.5458        |
| Paymaster 3535BG/RR       | 4.5             | 1.11   | 82.2            | 27.5     | 9.3             | 2             | 80.8 | 8.3 | 21-1                         | 0.5803        |
| PhytoGen 310 R            | 4.1             | 1.11   | 81.1            | 27.7     | 9.7             | 2             | 77.5 | 8.2 | 21-1,31-2                    | 0.5770        |
| PhytoGen 370 WR           | 4.6             | 1.12   | 83.0            | 28.2     | 10.2            | 2             | 80.8 | 8.3 | 21-1                         | 0.5880        |
| PhytoGen 440 W            | 4.1             | 1.10   | 80.6            | 29.8     | 8.9             | 2             | 80.7 | 8.3 | 21-1                         | 0.5770        |
| PhytoGen 480 WR           | 4.6             | 1.14   | 81.5            | 29.4     | 7.3             | 2             | 80.8 | 8.3 | 21-1                         | 0.5878        |
| Seed Tec Genetics 210     | 4.8             | 1.08   | 82.5            | 28.1     | 8.6             | 2             | 79.3 | 7.7 | 21-1,41-1                    | 0.5135        |
| Mean                      | 4.3             | 1.12   | 81.2            | 28.3     | 8.6             | 2             | 79.4 | 8.1 |                              | 0.5660        |
| c.v.%                     | 4.8             | 3.8    | 1.2             | 5.1      | 3.7             | 15.6          | 2.6  | 5.6 |                              | 4.2           |
| LSD 0.05                  | 0.4             | 0.07   | 1.6             | 2.5      | 0.6             | 1             | 3.6  | 0.8 |                              | 0.0416        |

1/ Varieties are listed alphabetically. Boll samples were harvested for fiber.



Table 25. Production information for irrigated performance test at Texas AgriLife Research, Halfway, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | New Varieties and Strains Test   |
| Planting Date:    | May 17   |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Treflan 1 ¼ pt/A applied pre-plant   |
| Fertilizer:       | 100-20-0 lbs/A applied pre-plant   |
| Irrigations:      | 3.0 acre-in on July 29-30  |
| Insecticide:      | Temik @ 3.2 lbs/A at planting  |
| Harvest Aids:     | Prep @ 32oz/A and Def 6 16oz/A October 17<br>Gramoxone @ 24oz/A October 29 |
| Harvest Date:     | November 5   |
| Freeze Date:      | October 23   |

Table 26. Results of the new varieties and strains test at Texas AgriLife Research, Halfway, TX 2007.

| Designation               | Yield | Agronomic Properties |      |        |        |      |       |       |          | % Open<br>Bolls<br>10/10/07 | Storm<br>Resistance |
|---------------------------|-------|----------------------|------|--------|--------|------|-------|-------|----------|-----------------------------|---------------------|
|                           |       | % Turnout            |      | % Lint |        | Boll | Seed  | Lint  | Seed Per |                             |                     |
|                           |       | Lint                 | Seed | Picked | Pulled | Size | Index | Index | Boll     |                             |                     |
| FiberMax BCSX064366B2F    | 1256  | 33.3                 | 43.5 | 41.5   | 34.0   | 5.9  | 10.1  | 7.4   | 33.3     | 81                          | 2.8                 |
| FiberMax BCSX064330B2F    | 1198  | 30.8                 | 43.5 | 42.3   | 32.6   | 5.7  | 11.4  | 8.7   | 28.0     | 65                          | 2.9                 |
| Downer Genetics X1222     | 1190  | 33.3                 | 44.0 | 43.0   | 32.2   | 5.2  | 10.1  | 7.9   | 28.0     | 81                          | 2.8                 |
| FiberMax 958              | 1172  | 32.2                 | 42.8 | 44.6   | 33.0   | 5.2  | 10.5  | 8.3   | 27.9     | 78                          | 3.0                 |
| Downer Genetics X1374     | 1162  | 31.2                 | 42.1 | 45.1   | 32.9   | 5.3  | 10.3  | 8.1   | 29.2     | 73                          | 2.7                 |
| Americot x637777 B2RF     | 1137  | 31.2                 | 44.3 | 42.2   | 34.7   | 5.5  | 9.8   | 7.4   | 31.6     | 73                          | 2.6                 |
| Croplan Genetics 3035RF   | 1125  | 29.4                 | 40.2 | 44.9   | 34.8   | 5.2  | 9.6   | 8.2   | 28.5     | 68                          | 2.7                 |
| Americot x511345 B2RF     | 1079  | 31.6                 | 47.0 | 42.2   | 31.7   | 4.9  | 10.5  | 7.2   | 28.4     | 88                          | 2.6                 |
| Americot x511353 B2RF     | 1073  | 32.3                 | 45.7 | 42.8   | 33.3   | 4.7  | 10.0  | 7.7   | 26.4     | 73                          | 2.6                 |
| Croplan Genetics 3220B2RF | 1066  | 31.2                 | 43.6 | 43.3   | 32.6   | 5.2  | 10.1  | 7.6   | 29.5     | 74                          | 2.7                 |
| Americot x511349 B2RF     | 1053  | 31.0                 | 45.5 | 42.8   | 31.9   | 5.6  | 9.5   | 6.8   | 28.9     | 62                          | 2.6                 |
| FiberMax BCSX06284B2F     | 1053  | 28.9                 | 43.3 | 42.1   | 31.0   | 5.6  | 10.9  | 8.2   | 28.7     | 78                          | 2.9                 |
| FiberMax BCSX064327B2F    | 1031  | 31.8                 | 44.1 | 39.6   | 32.4   | 5.7  | 9.2   | 7.0   | 32.2     | 60                          | 2.9                 |
| Americot x110201 RF       | 1014  | 30.1                 | 46.7 | 42.0   | 30.7   | 5.4  | 10.8  | 7.8   | 29.0     | 81                          | 2.8                 |
| Americot x511370 B2RF     | 990   | 29.6                 | 43.3 | 40.8   | 31.7   | 5.2  | 9.6   | 7.0   | 30.2     | 74                          | 2.6                 |
| Downer Genetics X1256     | 981   | 31.7                 | 42.3 | 43.3   | 32.5   | 5.9  | 10.7  | 8.7   | 29.1     | 89                          | 3.0                 |
| H&W Genetex 571RF         | 974   | 27.1                 | 42.6 | 40.4   | 30.6   | 5.4  | 10.6  | 7.3   | 26.5     | 78                          | 2.4                 |
| All-Tex Atlas             | 963   | 26.8                 | 45.4 | 38.1   | 28.3   | 6.0  | 11.3  | 7.4   | 30.8     | 83                          | 3.0                 |
| Americot x551 RF          | 961   | 27.2                 | 45.8 | 38.9   | 28.9   | 5.5  | 11.2  | 7.3   | 29.2     | 82                          | 2.5                 |
| H&W Genetex 572RF         | 943   | 27.7                 | 44.1 | 38.9   | 29.0   | 5.4  | 11.0  | 7.5   | 28.2     | 69                          | 2.8                 |
| Americot x554 RF          | 925   | 28.7                 | 45.2 | 41.3   | 31.0   | 6.0  | 12.4  | 8.7   | 28.6     | 77                          | 2.7                 |
| Americot x558 RF          | 924   | 26.7                 | 42.8 | 40.3   | 29.5   | 7.4  | 12.6  | 9.0   | 33.4     | 75                          | 2.8                 |
| Downer Genetics X1254     | 919   | 27.4                 | 41.6 | 41.8   | 31.4   | 4.9  | 10.4  | 7.4   | 27.5     | 76                          | 2.7                 |
| Americot x541 RF          | 893   | 25.6                 | 40.9 | 37.6   | 26.5   | 5.9  | 12.6  | 7.9   | 28.1     | 63                          | 2.6                 |
| H&W Genetex 568RF         | 890   | 26.7                 | 47.7 | 37.1   | 28.2   | 5.8  | 13.5  | 8.1   | 30.9     | 62                          | 2.6                 |
| Americot x542 RF          | 889   | 24.7                 | 47.9 | 35.0   | 25.8   | 6.9  | 13.6  | 7.5   | 31.9     | 53                          | 2.8                 |
| H&W Genetex 564RF         | 883   | 26.5                 | 45.7 | 37.2   | 27.7   | 5.8  | 13.0  | 8.0   | 27.1     | 69                          | 2.7                 |
| Americot x557 RF          | 882   | 25.5                 | 45.1 | 38.8   | 29.4   | 6.8  | 13.1  | 8.6   | 30.5     | 67                          | 2.8                 |
| H&W Genetex 565RF         | 871   | 26.4                 | 48.2 | 38.0   | 29.2   | 6.4  | 13.5  | 8.3   | 29.4     | 73                          | 2.5                 |
| Americot x538 RF          | 870   | 25.1                 | 45.5 | 36.5   | 26.5   | 5.9  | 13.3  | 7.9   | 27.4     | 71                          | 2.7                 |

Table 26. Results of the new varieties and strains test at Texas AgriLife Research, Halfway, TX 2007.

| Designation           | Yield | Agronomic Properties |      |        |        |      |       |       |          | % Open   |            |
|-----------------------|-------|----------------------|------|--------|--------|------|-------|-------|----------|----------|------------|
|                       |       | % Turnout            |      | % Lint |        | Boll | Seed  | Lint  | Seed Per | Bolls    | Storm      |
|                       |       | Lint                 | Seed | Picked | Pulled | Size | Index | Index | Boll     | 10/10/07 | Resistance |
| H&W Genetex 567RF     | 870   | 25.7                 | 47.3 | 38.9   | 28.3   | 6.0  | 13.5  | 8.2   | 28.7     | 64       | 2.7        |
| Americot x210118 B2RF | 862   | 27.9                 | 46.1 | 41.6   | 31.0   | 4.6  | 9.9   | 7.2   | 26.5     | 72       | 2.7        |
| H&W Genetex 569RF     | 851   | 26.1                 | 46.5 | 38.5   | 27.4   | 4.8  | 11.1  | 6.7   | 27.5     | 90       | 2.7        |
| Americot x556 RF      | 829   | 24.2                 | 43.2 | 37.2   | 29.2   | 5.8  | 13.3  | 8.1   | 27.7     | 87       | 2.7        |
| Americot x539 RF      | 785   | 25.9                 | 43.4 | 38.4   | 27.3   | 5.5  | 12.7  | 8.2   | 25.9     | 61       | 2.5        |
| Americot x560 RF      | 759   | 23.5                 | 42.4 | 36.2   | 26.0   | 5.2  | 11.9  | 7.1   | 26.3     | 67       | 2.8        |
| Mean                  | 981   | 28.4                 | 44.4 | 40.3   | 30.3   | 5.6  | 11.3  | 7.8   | 28.9     | 73       | 2.7        |
| c.v.%                 | 16.1  | 4.6                  | 3.9  | 3.5    | 3.2    | 9.4  | 4.6   | 5.2   | 8.6      | 15.9     | 3.4        |
| LSD 0.05              | 185   | 2.2                  | 2.9  | 2.4    | 1.6    | 0.9  | 0.9   | 0.7   | 4.2      | 20       | 0.1        |

Table 26A. Results of the new varieties and strains test at Texas AgriLife, Halfway, TX, 2007.

| Designation               | Micro- |        | Uni-    |          | Elon- | Leaf | Rd   | +b  | Color     | Loan   | Gross Loan Value per Acre |       |
|---------------------------|--------|--------|---------|----------|-------|------|------|-----|-----------|--------|---------------------------|-------|
|                           | naire  | Length | formity | Strength |       |      |      |     |           |        | gation                    | Index |
| FiberMax BCSX064366B2F    | 4.4    | 1.14   | 82.2    | 29.1     | 7.3   | 2    | 78.0 | 8.2 | 21-2,41-1 | 0.5655 | 710.27                    | 2     |
| FiberMax BCSX064330B2F    | 4.0    | 1.17   | 83.0    | 31.9     | 7.4   | 1    | 81.5 | 8.2 | 21-1      | 0.5965 | 714.61                    | 1     |
| Downer Genetics X1222     | 4.5    | 1.06   | 80.4    | 27.0     | 8.8   | 2    | 79.1 | 8.9 | 21-1,31-1 | 0.5438 | 647.12                    | 5     |
| FiberMax 958              | 4.8    | 1.10   | 80.5    | 29.9     | 7.7   | 1    | 79.2 | 8.2 | 21-1,31-1 | 0.5783 | 677.77                    | 3     |
| Downer Genetics X1374     | 4.9    | 1.11   | 81.0    | 28.6     | 9.0   | 2    | 80.5 | 8.3 | 21-1,21-2 | 0.5660 | 657.69                    | 4     |
| Americotx637777 B2RF      | 4.6    | 1.10   | 82.5    | 27.8     | 9.1   | 2    | 78.3 | 8.5 | 21-1,31-2 | 0.5653 | 642.75                    | 6     |
| Croplan Genetics 3035RF   | 4.0    | 1.08   | 80.5    | 27.7     | 10.0  | 1    | 79.7 | 9.5 | 21-1,21-3 | 0.5615 | 631.69                    | 7     |
| Americot x511345 B2RF     | 4.4    | 1.11   | 81.1    | 26.5     | 8.6   | 3    | 77.7 | 9.2 | 21-1,31-3 | 0.5720 | 617.19                    | 9     |
| Americot x511353 B2RF     | 4.4    | 1.07   | 81.9    | 28.4     | 8.8   | 2    | 78.2 | 9.3 | 21-2,21-3 | 0.5433 | 582.96                    | 12    |
| Croplan Genetics 3220B2RF | 4.4    | 1.13   | 81.7    | 27.0     | 9.3   | 1    | 80.5 | 9.0 | 11-2,21-1 | 0.5865 | 625.21                    | 8     |
| Americot X511349 B2RF     | 4.4    | 1.10   | 83.3    | 26.9     | 9.6   | 2    | 78.5 | 9.2 | 21-1,31-3 | 0.5735 | 603.90                    | 11    |
| FiberMax BCSX06284B2F     | 4.4    | 1.11   | 81.9    | 30.3     | 7.9   | 2    | 81.2 | 8.2 | 21-1      | 0.5835 | 614.43                    | 10    |
| FiberMax BCSX064327B2F    | 4.2    | 1.08   | 80.1    | 28.5     | 8.6   | 3    | 78.1 | 8.4 | 21-2,31-2 | 0.5645 | 582.00                    | 13    |
| Americot x110201 RF       | 4.0    | 1.08   | 79.1    | 25.9     | 8.9   | 3    | 80.8 | 8.3 | 21-1      | 0.5495 | 557.19                    | 19    |
| Americot x511370 B2RF     | 4.2    | 1.11   | 82.3    | 27.4     | 9.4   | 2    | 79.1 | 8.8 | 21-2,21-4 | 0.5823 | 576.48                    | 14    |
| Downer Genetics X1256     | 4.1    | 1.10   | 79.5    | 28.9     | 7.8   | 2    | 80.3 | 8.8 | 21-1      | 0.5715 | 560.64                    | 16    |
| H&W Genetex 571RF         | 4.4    | 1.11   | 80.8    | 29.3     | 8.4   | 2    | 80.7 | 8.2 | 21-1      | 0.5813 | 566.19                    | 15    |
| All-Tex Atlas             | 4.6    | 1.04   | 81.5    | 31.7     | 8.8   | 3    | 79.3 | 8.5 | 31-1      | 0.5180 | 498.83                    | 32    |
| Americot x551 RF          | 4.8    | 1.10   | 82.8    | 32.1     | 8.8   | 2    | 78.1 | 8.8 | 21-2,31-1 | 0.5830 | 560.26                    | 17    |
| H&W Genetex 572RF         | 3.8    | 1.15   | 80.5    | 30.9     | 7.7   | 2    | 80.9 | 8.5 | 21-1      | 0.5920 | 558.26                    | 18    |
| Americot x554 RF          | 5.0    | 1.13   | 82.1    | 28.9     | 7.6   | 2    | 78.8 | 8.8 | 21-2,31-1 | 0.5650 | 522.63                    | 23    |
| Americot x558 RF          | 4.5    | 1.14   | 83.2    | 30.8     | 8.5   | 2    | 80.4 | 8.4 | 21-1      | 0.5920 | 547.01                    | 20    |
| Downer Genetics X1254     | 4.4    | 1.07   | 80.8    | 27.9     | 9.1   | 2    | 79.3 | 8.5 | 21-2      | 0.5605 | 515.10                    | 24    |
| Americot x541 RF          | 3.9    | 1.15   | 82.1    | 31.5     | 7.8   | 2    | 79.5 | 8.5 | 21-2      | 0.5910 | 527.76                    | 21    |
| H&W Genetex 568RF         | 4.7    | 1.08   | 82.4    | 30.0     | 8.8   | 2    | 79.5 | 8.6 | 21-1,21-2 | 0.5630 | 501.07                    | 31    |
| Americot x542 RF          | 4.2    | 1.15   | 81.8    | 32.9     | 7.7   | 2    | 79.9 | 8.3 | 21-1,31-1 | 0.5880 | 522.73                    | 22    |
| H&W Genetex 564RF         | 4.3    | 1.12   | 81.1    | 30.2     | 8.1   | 2    | 79.4 | 8.4 | 31-1      | 0.5795 | 511.70                    | 25    |
| Americot x557 RF          | 4.5    | 1.19   | 82.5    | 27.3     | 8.4   | 2    | 79.5 | 8.4 | 21-1,31-1 | 0.5800 | 511.56                    | 26    |
| H&W Genetex 565RF         | 4.7    | 1.16   | 82.5    | 31.0     | 8.1   | 2    | 78.6 | 8.5 | 21-2,31-1 | 0.5858 | 510.23                    | 27    |
| Americot x538 RF          | 4.4    | 1.16   | 81.5    | 30.5     | 7.7   | 3    | 80.3 | 8.2 | 21-2      | 0.5863 | 510.08                    | 28    |
| H&W Genetex 567RF         | 4.7    | 1.16   | 82.4    | 29.5     | 8.0   | 3    | 79.0 | 8.5 | 21-1,31-1 | 0.5825 | 506.78                    | 29    |
| Americot x210118 B2RF     | 4.1    | 1.11   | 80.7    | 27.6     | 8.6   | 2    | 80.5 | 8.3 | 21-1,21-2 | 0.5855 | 504.70                    | 30    |

Table 26A. Results of the new varieties and strains test at Texas AgriLife, Halfway, TX, 2007.

| Designation       | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|-------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                   |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| H&W Genetex 569RF | 4.3             | 1.16   | 82.4            | 31.4     | 7.5             | 3             | 80.1 | 7.9 | 21-2,31-1                    | 0.5858        | 498.52                    | 33   |
| Americot x556 RF  | 4.9             | 1.09   | 81.8            | 31.8     | 9.1             | 2             | 77.5 | 8.8 | 31-1                         | 0.5638        | 467.39                    | 34   |
| Americot x539 RF  | 4.4             | 1.11   | 81.4            | 30.0     | 8.3             | 1             | 80.2 | 8.7 | 21-1                         | 0.5693        | 446.90                    | 35   |
| Americot x560 RF  | 4.2             | 1.17   | 83.2            | 31.8     | 7.7             | 2             | 77.7 | 8.5 | 31-1                         | 0.5855        | 444.39                    | 36   |
| Mean              | 4.4             | 1.11   | 81.6            | 29.4     | 8.4             | 2             | 79.4 | 8.5 |                              | 0.5740        |                           |      |
| c.v.%             | 5.9             | 1.7    | 0.8             | 3.5      | 5.7             | 38.3          | 1.6  | 3.6 |                              | 2.8           |                           |      |
| LSD 0.05          | 0.4             | 0.03   | 1.1             | 1.8      | 0.8             | 1             | 2.1  | 0.5 |                              | 0.0271        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grade from these two samples are identical, only one color grade is reported.

Table 27. Production information for irrigated performance test at Texas AgriLife Research, Lubbock, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | New Variety and Strains Test                               |
| Planting Date:    | May 5  |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Prowl @ 1qt/A applied pre-plant                            |
| Fertilizer:       | 100-2-0 lbs/A applied pre-plant                            |
| Irrigations:      | 2.1 acre-in on July 19<br>2.7 acre-in on August 14         |
| Insecticide:      | Temik @ 3.2 lbs/A at planting<br>Intruder @ 1oz/A August 7 |
| Harvest Aids:     | Gramoxone @24 oz/A and Aim @ 1oz/A November 2              |
| Harvest Date:     | November 20  |
| Freeze Date:      | October 23   |

Test 28. Results of the irrigated new varieties and strains test at Texas AgriLife Research, Lubbock, TX, 2007.

| Designation               | Yield | Agronomic Properties |      |        |        |      |       |       |          | % Open Bolls<br>10/15/07 | Storm<br>Resistance |
|---------------------------|-------|----------------------|------|--------|--------|------|-------|-------|----------|--------------------------|---------------------|
|                           |       | % Turnout            |      | % Lint |        | Boll | Seed  | Lint  | Seed Per |                          |                     |
|                           |       | Lint                 | Seed | Picked | Pulled | Size | Index | Index | Boll     |                          |                     |
| FiberMax BCSX064366B2F    | 1486  | 30.7                 | 44.0 | 40.7   | 30.7   | 5.7  | 9.7   | 7.0   | 32.9     | 64                       | 2.8                 |
| Americot x 110201 B2RF    | 1465  | 23.9                 | 42.3 | 36.1   | 25.4   | 5.7  | 10.5  | 6.3   | 32.8     | 59                       | 2.9                 |
| FiberMax BCSX064327B2F    | 1386  | 28.9                 | 43.0 | 39.2   | 29.8   | 5.7  | 9.4   | 6.4   | 34.7     | 77                       | 2.7                 |
| FiberMax BCSX06061F       | 1363  | 27.8                 | 44.9 | 38.2   | 28.0   | 6.4  | 11.2  | 7.3   | 33.1     | 62                       | 2.9                 |
| FiberMax BCSX06284B2F     | 1323  | 26.6                 | 42.7 | 37.7   | 27.6   | 6.1  | 11.6  | 7.5   | 30.9     | 68                       | 2.9                 |
| Deltapine 455BG/RR        | 1322  | 28.6                 | 40.8 | 41.6   | 31.0   | 5.1  | 8.3   | 6.3   | 33.5     | 69                       | 2.1                 |
| FiberMax BCSX064330B2F    | 1317  | 29.7                 | 42.3 | 41.1   | 29.5   | 5.5  | 10.4  | 7.8   | 29.3     | 69                       | 2.8                 |
| Americot x 511353 B2RF    | 1286  | 28.0                 | 43.3 | 37.7   | 27.3   | 5.0  | 8.9   | 5.9   | 32.3     | 76                       | 2.5                 |
| FiberMax 958              | 1257  | 27.8                 | 40.9 | 40.3   | 31.7   | 6.4  | 11.2  | 7.9   | 32.5     | 73                       | 2.9                 |
| FiberMax BCSX06127F       | 1233  | 26.7                 | 42.8 | 40.6   | 30.5   | 6.1  | 11.0  | 7.9   | 31.4     | 72                       | 2.9                 |
| Croplan Genetics 3220B2RF | 1213  | 25.0                 | 42.8 | 45.6   | 32.7   | 4.6  | 9.2   | 7.0   | 29.7     | 84                       | 2.3                 |
| Downer Genetics X 1374    | 1209  | 25.4                 | 37.7 | 38.8   | 27.8   | 5.9  | 9.6   | 6.8   | 33.6     | 74                       | 2.6                 |
| Americot x 554 RF         | 1176  | 27.8                 | 46.4 | 34.7   | 23.2   | 6.6  | 13.0  | 7.4   | 30.7     | 59                       | 2.6                 |
| H&W 577RF                 | 1163  | 22.3                 | 47.7 | 31.8   | 22.6   | 6.8  | 12.1  | 6.0   | 36.5     | 78                       | 2.7                 |
| H&W 573RF                 | 1156  | 22.6                 | 46.1 | 32.8   | 23.8   | 6.6  | 13.4  | 6.9   | 31.6     | 55                       | 2.6                 |
| Americot x 557 RF         | 1144  | 26.9                 | 45.5 | 35.1   | 23.4   | 6.8  | 13.6  | 7.8   | 30.4     | 71                       | 2.8                 |
| Americot x 511349 B2RF    | 1120  | 27.9                 | 43.9 | 38.3   | 28.4   | 4.8  | 8.9   | 5.8   | 31.5     | 82                       | 2.4                 |
| Downer Genetics X 1222    | 1103  | 28.0                 | 43.0 | 40.3   | 29.2   | 6.4  | 9.7   | 6.9   | 37.7     | 68                       | 2.8                 |
| All-Tex Atlas             | 1087  | 23.6                 | 40.9 | 35.1   | 25.5   | 6.3  | 11.2  | 6.4   | 34.4     | 66                       | 3.0                 |
| Downer Genetics X 1256    | 1085  | 26.2                 | 40.7 | 39.5   | 29.0   | 6.8  | 10.9  | 7.6   | 35.1     | 64                       | 3.0                 |
| Americot x 637777 B2RF    | 1083  | 25.6                 | 42.4 | 38.6   | 27.6   | 4.4  | 8.6   | 5.8   | 29.4     | 78                       | 2.6                 |
| H&W 575RF                 | 1051  | 23.6                 | 45.7 | 35.2   | 25.4   | 6.8  | 13.1  | 7.5   | 32.0     | 69                       | 2.5                 |
| Deltapine 174RF           | 1047  | 26.0                 | 39.5 | 39.1   | 28.6   | 6.2  | 9.8   | 7.0   | 34.2     | 46                       | 2.6                 |
| H&W 574RF                 | 1029  | 22.3                 | 44.8 | 29.1   | 22.1   | 6.8  | 12.6  | 6.0   | 33.3     | 56                       | 2.6                 |
| Americot x 558 RF         | 1013  | 24.9                 | 42.1 | 35.2   | 23.3   | 7.1  | 12.0  | 7.2   | 34.8     | 69                       | 2.8                 |
| Americot x 551 RF         | 1010  | 26.2                 | 45.5 | 36.8   | 27.7   | 5.9  | 11.1  | 6.7   | 32.2     | 77                       | 2.5                 |
| Americot x 542 RF         | 961   | 21.8                 | 43.1 | 32.0   | 22.5   | 6.8  | 13.2  | 6.6   | 33.0     | 63                       | 2.8                 |
| Croplan Genetics 3035RF   | 934   | 27.4                 | 43.7 | 36.6   | 25.8   | 5.4  | 9.0   | 5.6   | 35.2     | 64                       | 2.6                 |
| Americot x 511345 B2RF    | 919   | 25.8                 | 44.2 | 36.7   | 27.9   | 5.4  | 9.0   | 5.6   | 35.5     | 59                       | 2.3                 |
| Americot x 511370 B2RF    | 907   | 26.5                 | 42.5 | 38.4   | 26.5   | 5.1  | 8.5   | 5.7   | 33.9     | 75                       | 2.6                 |

Test 28. Results of the irrigated new varieties and strains test at Texas AgriLife Research, Lubbock, TX, 2007.

| Designation             | Yield | Agronomic Properties |      |        |        |              |               |               |                  | % Open<br>Bolls<br>10/15/07 | Storm<br>Resistance |
|-------------------------|-------|----------------------|------|--------|--------|--------------|---------------|---------------|------------------|-----------------------------|---------------------|
|                         |       | % Turnout            |      | % Lint |        | Boll<br>Size | Seed<br>Index | Lint<br>Index | Seed Per<br>Boll |                             |                     |
|                         |       | Lint                 | Seed | Picked | Pulled |              |               |               |                  |                             |                     |
| Seed Tec Genetics 596-9 | 898   | 21.1                 | 39.9 | 36.7   | 26.6   | 5.8          | 10.0          | 6.1           | 35.2             | 69                          | 2.8                 |
| Americot x 210118 B2RF  | 854   | 24.2                 | 42.3 | 34.5   | 24.5   | 4.6          | 9.3           | 5.3           | 29.7             | 58                          | 2.8                 |
| Americot x 560 RF       | 827   | 21.2                 | 43.7 | 33.3   | 23.3   | 6.0          | 12.3          | 6.5           | 30.9             | 42                          | 2.6                 |
| Americot x 538 RF       | 823   | 23.0                 | 45.6 | 34.0   | 24.4   | 6.4          | 11.9          | 6.6           | 33.3             | 63                          | 2.5                 |
| Americot x 556 RF       | 796   | 21.5                 | 41.9 | 34.1   | 25.0   | 6.6          | 12.5          | 6.9           | 32.5             | 45                          | 2.6                 |
| Deltapine 161B2RF       | 715   | 23.5                 | 41.3 | 36.9   | 27.3   | 5.2          | 7.8           | 4.8           | 40.0             | 56                          | 2.7                 |
| Americot x 539 RF       | 698   | 21.6                 | 42.0 | 35.9   | 24.2   | 6.3          | 12.6          | 8.4           | 30.0             | 56                          | 2.4                 |
| Deltapine 141B2RF       | 678   | 24.3                 | 42.7 | 37.2   | 27.6   | 5.3          | 8.9           | 5.6           | 35.0             | 28                          | 2.8                 |
| Mean                    | 1082  | 25.3                 | 42.9 | 36.9   | 26.7   | 5.9          | 10.7          | 6.6           | 32.9             | 64                          | 2.7                 |
| c.v.%                   | 16.4  | 5.9                  | 5.1  | 6.9    | 8.5    | 7.6          | 4.3           | 8.0           | 8.4              | 17.7                        | 7.2                 |
| LSD 0.05                | 209   | 2.5                  | 3.7  | 4.3    | 3.8    | 0.8          | 0.8           | 0.9           | 4.6              | 19                          | 0.2                 |

Note: The following entries were not harvested for yield due to hail damage.

|                        |      |      |      |      |     |      |     |      |    |     |
|------------------------|------|------|------|------|-----|------|-----|------|----|-----|
| Americot x 541 RF      | 22.5 | 40.3 | 34.1 | 23.3 | 6.2 | 12.7 | 7.0 | 30.1 | 58 | 2.6 |
| Downer Genetics X 1254 | 25.2 | 44.0 | 37.5 | 27.0 | 5.9 | 11.4 | 7.2 | 30.4 | 40 | 2.8 |



Table 28A. Results of the irrigated new varieties and strains test at Texas AgriLife Reserach, Lubbock, TX, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                           |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| FiberMax BCSX064366B2F    | 3.9             | 1.17   | 82.4            | 30.0     | 8.1             | 2             | 80.8 | 7.8 | 21-1,31-1                    | 0.5860        | 870.80                    | 1    |
| Americot x 110201 B2RF    | 3.1             | 1.10   | 78.4            | 27.4     | 8.8             | 2             | 79.1 | 8.2 | 21-1,31-1                    | 0.5163        | 756.38                    | 5    |
| FiberMax BCSX064327B2F    | 3.8             | 1.10   | 78.1            | 27.0     | 7.7             | 2             | 80.1 | 7.8 | 21-1,31-2                    | 0.5400        | 748.44                    | 7    |
| FiberMax BCSX06061F       | 3.8             | 1.14   | 81.6            | 28.7     | 8.7             | 2             | 79.8 | 7.9 | 21-1,31-2                    | 0.5705        | 777.59                    | 2    |
| FiberMax BCSX06284B2F     | 3.7             | 1.10   | 80.8            | 31.3     | 8.4             | 2             | 80.6 | 7.9 | 21-1,31-1                    | 0.5720        | 756.76                    | 4    |
| Deltapine 455BG/RR        | 3.7             | 1.12   | 80.3            | 27.3     | 8.8             | 2             | 78.4 | 8.2 | 31-1                         | 0.5665        | 748.91                    | 6    |
| FiberMax BCSX064330B2F    | 3.5             | 1.15   | 82.0            | 31.4     | 8.3             | 2             | 80.4 | 7.9 | 21-1,31-1                    | 0.5765        | 759.25                    | 3    |
| Americot x 511353 B2RF    | 4.0             | 1.08   | 81.6            | 27.4     | 9.5             | 2             | 77.7 | 8.5 | 21-1,41-3                    | 0.5510        | 708.59                    | 10   |
| FiberMax 958              | 4.0             | 1.14   | 80.5            | 28.1     | 7.7             | 2             | 79.1 | 7.5 | 31-1,31-2                    | 0.5783        | 726.92                    | 8    |
| FiberMax BCSX06127F       | 3.8             | 1.16   | 81.6            | 31.2     | 7.8             | 2             | 79.0 | 7.2 | 31-2                         | 0.5818        | 717.36                    | 9    |
| Croplan Genetics 3220B2RF | 3.4             | 1.07   | 81.0            | 25.3     | 10.1            | 2             | 79.6 | 8.3 | 21-1,31-1                    | 0.5345        | 648.35                    | 16   |
| Downer Genetics X 1374    | 3.7             | 1.13   | 80.8            | 27.2     | 8.9             | 1             | 77.9 | 7.6 | 31-2,41-1                    | 0.5563        | 672.57                    | 12   |
| Americot x 554 RF         | 4.3             | 1.10   | 79.6            | 29.3     | 8.2             | 2             | 79.5 | 8.3 | 21-1,31-1                    | 0.5625        | 661.50                    | 14   |
| H&W 577RF                 | 4.0             | 1.17   | 79.8            | 28.1     | 7.7             | 2             | 79.9 | 8.1 | 21-1,31-1                    | 0.5815        | 676.28                    | 11   |
| H&W 573RF                 | 3.6             | 1.16   | 81.1            | 31.2     | 9.0             | 2             | 78.8 | 7.8 | 21-1,41-1                    | 0.5623        | 650.02                    | 15   |
| Americot x 557 RF         | 4.3             | 1.13   | 80.8            | 28.1     | 8.7             | 2             | 80.3 | 8.5 | 21-1                         | 0.5810        | 664.66                    | 13   |
| Americot x 511349 B2RF    | 3.8             | 1.06   | 80.3            | 27.4     | 9.5             | 2             | 76.7 | 8.5 | 31-1,31-4                    | 0.5320        | 595.84                    | 22   |
| Downer Genetics X 1222    | 3.9             | 1.11   | 80.5            | 27.8     | 8.6             | 2             | 77.5 | 8.3 | 31-1,31-2                    | 0.5485        | 605.00                    | 19   |
| All-Tex Atlas             | 4.0             | 1.08   | 82.4            | 30.3     | 9.4             | 2             | 78.2 | 8.0 | 31-1,31-2                    | 0.5585        | 607.09                    | 18   |
| Downer Genetics X 1256    | 3.3             | 1.15   | 80.3            | 29.9     | 8.3             | 2             | 79.4 | 7.8 | 21-2,31-2                    | 0.5503        | 597.08                    | 21   |
| Americot x 637777 B2RF    | 3.2             | 1.10   | 80.1            | 27.8     | 9.3             | 2             | 79.1 | 8.4 | 21-1,31-1                    | 0.5265        | 570.20                    | 24   |
| H&W 575RF                 | 3.9             | 1.16   | 81.8            | 30.8     | 8.4             | 2             | 80.8 | 8.3 | 21-1                         | 0.5943        | 624.61                    | 17   |
| Deltapine 174RF           | 3.5             | 1.08   | 79.8            | 26.6     | 9.8             | 2             | 79.0 | 8.3 | 21-2,31-1                    | 0.5433        | 568.84                    | 25   |
| H&W 574RF                 | 4.4             | 1.15   | 82.5            | 33.0     | 8.5             | 2             | 78.2 | 7.8 | 31-1,31-2                    | 0.5855        | 602.48                    | 20   |
| Americot x 558 RF         | 4.0             | 1.17   | 82.7            | 29.8     | 9.1             | 2             | 78.8 | 7.7 | 31-1,31-2                    | 0.5810        | 588.55                    | 23   |
| Americot x 551 RF         | 4.4             | 1.06   | 79.8            | 28.9     | 8.8             | 2             | 78.7 | 8.3 | 21-1,31-2                    | 0.5260        | 531.26                    | 27   |
| Americot x 542 RF         | 3.4             | 1.18   | 82.1            | 31.7     | 8.5             | 1             | 79.3 | 7.6 | 31-1,31-2                    | 0.5545        | 532.87                    | 26   |
| Croplan Genetics 3035RF   | 3.5             | 1.07   | 80.6            | 27.4     | 9.8             | 2             | 79.3 | 8.4 | 21-1,31-1                    | 0.5290        | 494.09                    | 29   |
| Americot x 511345 B2RF    | 3.4             | 1.12   | 80.9            | 27.7     | 9.3             | 2             | 76.7 | 8.0 | 31-2                         | 0.5538        | 508.94                    | 28   |
| Americot x 511370 B2RF    | 3.6             | 1.08   | 79.7            | 27.6     | 9.6             | 3             | 75.7 | 8.6 | 31-1,41-3                    | 0.5188        | 470.55                    | 31   |

Table 28A. Results of the irrigated new varieties and strains test at Texas AgriLife Reserach, Lubbock, TX, 2007.

| Designation             | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|-------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                         |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| Seed Tec Genetics 596-9 | 3.3             | 1.14   | 80.5            | 29.7     | 8.4             | 2             | 78.6 | 8.1 | 21-1,41-1                    | 0.5215        | 468.31                    | 33   |
| Americot x 210118 B2RF  | 3.4             | 1.11   | 79.2            | 27.8     | 9.0             | 2             | 79.5 | 8.0 | 21-1,31-2                    | 0.5433        | 463.98                    | 34   |
| Americot x 560 RF       | 3.8             | 1.16   | 81.9            | 30.4     | 8.4             | 3             | 77.6 | 7.8 | 31-2                         | 0.5670        | 468.91                    | 32   |
| Americot x 538 RF       | 3.6             | 1.20   | 81.4            | 28.9     | 8.4             | 2             | 80.5 | 7.7 | 21-1,31-1                    | 0.5740        | 472.40                    | 30   |
| Americot x 556 RF       | 3.9             | 1.09   | 81.0            | 31.7     | 9.0             | 2             | 80.7 | 8.2 | 21-1                         | 0.5780        | 460.09                    | 35   |
| Deltapine 161B2RF       | 3.2             | 1.11   | 78.4            | 29.4     | 8.6             | 2             | 80.0 | 8.4 | 21-1,31-1                    | 0.5135        | 367.15                    | 36   |
| Americot x 539 RF       | 3.8             | 1.07   | 78.8            | 28.8     | 8.7             | 2             | 77.7 | 8.3 | 21-1,41-1                    | 0.5248        | 366.31                    | 37   |
| Deltapine 141B2RF       | 3.2             | 1.12   | 78.6            | 27.5     | 9.0             | 2             | 79.5 | 8.2 | 21-1,31-1                    | 0.5253        | 356.15                    | 38   |
| Americot x 541 RF       | 3.5             | 1.13   | 81.9            | 32.1     | 8.5             | 2             | 78.3 | 7.6 | 31-2                         | 0.5700        |                           |      |
| Downer Genetics X 1254  | 3.8             | 1.07   | 80.5            | 28.4     | 9.2             | 2             | 79.4 | 8.2 | 21-1,31-1                    | 0.5555        |                           |      |
| Mean                    | 3.7             | 1.12   | 80.6            | 29.0     | 8.7             | 2             | 79.0 | 8.0 |                              | 0.5550        |                           |      |
| c.v.%                   | 5.9             | 2.4    | 1.2             | 4.6      | 3.1             | 40.8          | 2.2  | 4.4 |                              | 3.7           |                           |      |
| LSD 0.05                | 0.4             | 0.05   | 1.6             | 2.2      | 0.5             | 1             | 2.9  | 0.6 |                              | 0.0343        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grade from these two samples are identical, only one color grade is reported.

Table 31. Production information for irrigated performance test at the AG-CARES Farm, Lamesa, TX 2007.

|                                   |  |
|-----------------------------------|--|
| Test:                             | Round-Up Ready Flex Variety Test   |
| Planting Date:                    | May 21   |
| Row Spacing:                      | 40in   |
| Planting Pattern:                 | Solid  |
| Herbicide:                        | Round-Up 22oz/A (Weathermax) and Classact 22oz/A applied June 15   |
| Fertilizer:                       | 10-34-0 @ 100 lbs/A applied April 29<br>32-0-0 @ 50 lbs/A applied May 21<br>32-0-0 @ 80 lbs/A fertigation  |
| Irrigations:<br>(subsurface drip) | 7.5 acre inches applied from July 12 to September 7  |
| Insecticide:                      | Temik @ 3.5 lbs/A at planting<br>Caparol @ 1.8pt/A at planting (spray coupe)<br>Intruder @ 1oz/A plus 1% crop oil applied June 20 (applied by air) |
| Harvest Aids:                     | BolID @ 21oz/A and Def @ 12oz/A October 11 (applied by air)<br>Gramoxone max @ 16oz/A November 1 (applied by air)                                  |
| Harvest Date:                     | November 10  |
| Freeze Date:                      | November 15  |

Table 32. Results of the irrigated Roundup Ready Flex variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation           | Yield | Agronomic Properties |      |        |        |              |               |               |                  | % Open<br>Bolls<br>10/9/07 | Storm<br>Resistance |
|-----------------------|-------|----------------------|------|--------|--------|--------------|---------------|---------------|------------------|----------------------------|---------------------|
|                       |       | % Turnout            |      | % Lint |        | Boll<br>Size | Seed<br>Index | Lint<br>Index | Seed Per<br>Boll |                            |                     |
|                       |       | Lint                 | Seed | Picked | Pulled |              |               |               |                  |                            |                     |
| Dyna-Gro CTO7343 RF   | 2134  | 31.1                 | 42.7 | 42.3   | 32.8   | 4.9          | 9.2           | 7.1           | 28.8             | 29                         | 2.2                 |
| Deltapine 174RF       | 2053  | 30.4                 | 43.2 | 42.9   | 32.7   | 6.1          | 9.4           | 7.4           | 35.7             | 26                         | 2.2                 |
| Dyna-Gro CTO7550 B2RF | 2012  | 31.5                 | 45.3 | 40.4   | 31.8   | 5.0          | 9.6           | 6.8           | 29.8             | 52                         | 2.2                 |
| FiberMax 9058F        | 1977  | 29.7                 | 43.7 | 40.1   | 31.4   | 5.7          | 10.1          | 7.2           | 32.2             | 43                         | 3.0                 |
| Dyna-Gro 2383 RF      | 1972  | 28.8                 | 45.8 | 38.8   | 28.9   | 5.7          | 8.4           | 5.7           | 36.1             | 52                         | 2.2                 |
| Stoneville 5458B2RF   | 1961  | 29.5                 | 43.8 | 39.0   | 30.8   | 5.3          | 9.4           | 6.3           | 32.6             | 38                         | 2.0                 |
| PhytoGen 315 RF       | 1927  | 29.9                 | 41.8 | 41.7   | 31.0   | 4.9          | 8.4           | 7.8           | 31.7             | 37                         | 1.8                 |
| Dyna-Gro 2490 B2RF    | 1913  | 28.9                 | 46.5 | 37.7   | 28.9   | 5.1          | 9.1           | 5.8           | 33.1             | 54                         | 2.0                 |
| Dyna-Gro 2100 B2RF    | 1908  | 28.8                 | 45.6 | 39.8   | 29.9   | 5.6          | 9.6           | 6.5           | 34.6             | 61                         | 2.2                 |
| FiberMax 9060F        | 1908  | 29.0                 | 42.0 | 39.5   | 28.7   | 5.3          | 9.9           | 6.8           | 30.9             | 42                         | 2.9                 |
| Stoneville 4498B2RF   | 1902  | 28.5                 | 43.0 | 39.6   | 30.8   | 5.6          | 9.5           | 6.5           | 34.5             | 55                         | 1.9                 |
| Stoneville 4596B2RF   | 1892  | 29.8                 | 49.2 | 36.4   | 27.8   | 5.4          | 10.1          | 6.2           | 31.3             | 58                         | 1.8                 |
| All-Tex 65333 RF      | 1891  | 29.5                 | 43.0 | 42.6   | 32.5   | 5.7          | 8.7           | 6.8           | 36.0             | 41                         | 2.2                 |
| Stoneville 5283RF     | 1889  | 28.8                 | 42.2 | 40.9   | 31.1   | 4.9          | 8.4           | 7.4           | 32.2             | 42                         | 1.9                 |
| PhytoGen 375 WRF      | 1884  | 28.6                 | 41.4 | 39.3   | 29.4   | 4.9          | 8.5           | 5.9           | 32.7             | 54                         | 1.5                 |
| Dyna-Gro 2242 B2RF    | 1882  | 28.1                 | 45.2 | 38.5   | 29.0   | 4.8          | 8.4           | 5.6           | 33.0             | 51                         | 2.2                 |
| Stoneville 4664RF     | 1878  | 29.0                 | 41.6 | 38.4   | 28.8   | 5.2          | 8.7           | 6.4           | 33.5             | 42                         | 2.0                 |
| All-Tex 55066 B2RF    | 1856  | 28.0                 | 43.6 | 37.3   | 28.0   | 4.8          | 8.8           | 5.5           | 32.3             | 50                         | 2.2                 |
| FiberMax 1740B2F      | 1852  | 30.7                 | 43.3 | 41.4   | 31.3   | 5.2          | 8.6           | 6.4           | 33.9             | 46                         | 2.6                 |
| Stoneville 4427B2RF   | 1846  | 27.4                 | 43.1 | 38.2   | 29.5   | 4.6          | 9.3           | 6.1           | 28.7             | 45                         | 1.8                 |
| FiberMax 1840B2F      | 1845  | 28.7                 | 45.8 | 37.0   | 28.9   | 6.0          | 10.7          | 6.6           | 33.5             | 45                         | 2.5                 |
| Paymaster 2150B2RF    | 1830  | 26.4                 | 46.3 | 35.9   | 28.0   | 6.0          | 10.2          | 6.0           | 36.3             | 59                         | 2.9                 |
| Stoneville 4357B2RF   | 1823  | 27.4                 | 43.2 | 38.6   | 26.9   | 4.9          | 9.5           | 6.4           | 29.9             | 65                         | 1.8                 |
| Deltapine 143B2RF     | 1821  | 28.4                 | 46.5 | 37.1   | 29.0   | 5.4          | 8.8           | 5.5           | 36.2             | 36                         | 2.3                 |
| PhytoGen 485 WRF      | 1819  | 27.7                 | 43.0 | 39.7   | 29.7   | 4.9          | 8.8           | 6.1           | 31.7             | 35                         | 1.6                 |
| Stoneville 4678B2RF   | 1817  | 28.5                 | 46.7 | 37.6   | 29.2   | 5.7          | 10.5          | 6.6           | 32.6             | 53                         | 2.0                 |
| Stoneville 4554B2RF   | 1810  | 28.1                 | 44.0 | 38.6   | 30.9   | 5.4          | 9.5           | 6.3           | 33.0             | 54                         | 2.0                 |
| PhytoGen 425 RF       | 1798  | 27.7                 | 44.4 | 38.8   | 28.6   | 4.7          | 8.7           | 5.9           | 31.2             | 73                         | 1.7                 |
| FiberMax 9063B2F      | 1796  | 27.1                 | 42.9 | 37.6   | 28.5   | 5.4          | 10.6          | 6.7           | 30.4             | 51                         | 2.8                 |
| FiberMax 9180B2F      | 1784  | 29.8                 | 46.4 | 37.8   | 28.9   | 5.6          | 10.5          | 6.7           | 31.9             | 56                         | 3.2                 |

Table 32. Results of the irrigated Roundup Ready Flex variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation         | Yield | Agronomic Properties |      |        |        |      |       |       |          | % Open<br>Bolls<br>10/9/07 | Storm<br>Resistance |
|---------------------|-------|----------------------|------|--------|--------|------|-------|-------|----------|----------------------------|---------------------|
|                     |       | % Turnout            |      | % Lint |        | Boll | Seed  | Lint  | Seed Per |                            |                     |
|                     |       | Lint                 | Seed | Picked | Pulled | Size | Index | Index | Boll     |                            |                     |
| FiberMax 1880B2F    | 1783  | 29.1                 | 46.9 | 37.9   | 30.5   | 5.5  | 9.3   | 6.5   | 34.8     | 42                         | 2.3                 |
| Deltapine 161B2RF   | 1781  | 28.9                 | 46.9 | 37.4   | 28.5   | 4.9  | 7.6   | 4.8   | 32.4     | 43                         | 2.5                 |
| Dyna-Gro 2520 B2RF  | 1748  | 27.1                 | 42.9 | 38.8   | 28.9   | 5.4  | 8.5   | 5.6   | 37.5     | 63                         | 2.2                 |
| Stoneville 5327B2RF | 1742  | 27.3                 | 42.4 | 40.3   | 30.7   | 5.0  | 9.0   | 6.4   | 31.0     | 39                         | 1.9                 |
| All-Tex Apex B2RF   | 1741  | 27.2                 | 44.7 | 37.4   | 27.4   | 4.9  | 8.2   | 5.3   | 35.4     | 50                         | 2.4                 |
| All-Tex 65352 B2RF  | 1739  | 30.2                 | 45.5 | 36.4   | 28.0   | 5.0  | 9.7   | 6.0   | 30.7     | 67                         | 2.2                 |
| All-Tex 65219 B2RF  | 1737  | 28.0                 | 45.6 | 37.8   | 28.3   | 4.9  | 9.6   | 6.1   | 30.4     | 63                         | 2.2                 |
| Americot 1532 B2RF  | 1689  | 27.3                 | 43.9 | 37.8   | 29.2   | 5.4  | 9.4   | 6.0   | 34.3     | 56                         | 2.2                 |
| Deltapine 164B2RF   | 1668  | 26.0                 | 43.2 | 37.7   | 28.3   | 4.7  | 8.3   | 5.3   | 34.0     | 25                         | 2.0                 |
| Deltapine 147RF     | 1624  | 26.4                 | 39.9 | 38.4   | 29.8   | 5.2  | 8.8   | 5.8   | 34.9     | 28                         | 2.5                 |
| Stoneville 6351B2RF | 1574  | 26.6                 | 47.1 | 37.1   | 28.3   | 5.7  | 10.5  | 6.4   | 32.7     | 62                         | 1.9                 |
| Deltapine 141B2RF   | 1508  | 26.3                 | 41.0 | 37.1   | 28.5   | 3.8  | 8.1   | 5.2   | 27.0     | 16                         | 2.5                 |
| AFD 5065B2F         | 1501  | 26.6                 | 46.4 | 36.8   | 28.8   | 5.8  | 9.1   | 5.6   | 38.2     | 51                         | 3.1                 |
| All-Tex 65016 RF    | 1496  | 26.0                 | 45.1 | 36.0   | 27.1   | 5.2  | 9.1   | 5.4   | 35.1     | 45                         | 2.4                 |
| Mean                | 1818  | 28.4                 | 44.2 | 38.6   | 29.4   | 5.2  | 9.2   | 6.2   | 32.9     | 47                         | 2.2                 |
| c.v.%               | 7.8   | 3.4                  | 4.0  | 2.7    | 3.4    | 8.9  | 8.5   | 10.7  | 10.6     | 21.2                       | 9.1                 |
| LSD 0.05            | 166   | 1.6                  | 3.0  | 1.8    | 1.7    | 0.8  | 1.3   | 1.1   | 5.9      | 17                         | 0.2                 |

Table 32A. Results of the irrigated Roundup Ready Flex variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation           | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|-----------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                       |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| Dyna-Gro CTO7343 RF   | 3.8             | 1.14   | 81.0            | 27.9     | 9.6             | 1             | 78.8 | 9.1 | 21-2,21-4                    | 0.5865        | 1251.59                   | 1    |
| Deltapine 174RF       | 3.7             | 1.17   | 79.9            | 24.8     | 9.3             | 3             | 77.6 | 8.4 | 31-1                         | 0.5625        | 1154.81                   | 3    |
| Dyna-Gro CTO7550 B2RF | 4.0             | 1.15   | 81.0            | 26.5     | 10.2            | 1             | 78.1 | 9.0 | 21-2,31-1                    | 0.5835        | 1174.00                   | 2    |
| FiberMax 9058F        | 3.6             | 1.20   | 80.8            | 27.7     | 7.9             | 3             | 78.1 | 7.4 | 31-2,41-1                    | 0.5590        | 1105.14                   | 6    |
| Dyna-Gro 2383 RF      | 4.0             | 1.14   | 81.3            | 26.5     | 9.2             | 3             | 76.9 | 8.1 | 31-1,41-1                    | 0.5610        | 1106.29                   | 5    |
| Stoneville 5458B2RF   | 4.0             | 1.12   | 79.2            | 27.3     | 8.5             | 3             | 76.0 | 8.4 | 31-1,41-1                    | 0.5580        | 1094.24                   | 10   |
| PhytoGen 315 RF       | 3.8             | 1.13   | 80.7            | 25.8     | 9.0             | 2             | 79.4 | 8.7 | 21-1,21-2                    | 0.5835        | 1124.40                   | 4    |
| Dyna-Gro 2490 B2RF    | 3.5             | 1.10   | 80.9            | 25.1     | 10.4            | 3             | 79.1 | 7.6 | 31-1                         | 0.5575        | 1066.50                   | 16   |
| Dyna-Gro 2100 B2RF    | 4.0             | 1.10   | 81.5            | 25.5     | 10.2            | 2             | 80.9 | 8.1 | 21-2                         | 0.5745        | 1096.15                   | 7    |
| FiberMax 9060F        | 3.8             | 1.18   | 81.1            | 26.7     | 7.9             | 3             | 79.3 | 7.5 | 31-2                         | 0.5735        | 1094.24                   | 9    |
| Stoneville 4498B2RF   | 4.0             | 1.12   | 81.1            | 27.9     | 10.3            | 3             | 78.0 | 8.8 | 31-1                         | 0.5705        | 1085.09                   | 12   |
| Stoneville 4596B2RF   | 4.0             | 1.18   | 81.7            | 27.8     | 9.8             | 3             | 78.2 | 8.4 | 21-1,31-2                    | 0.5783        | 1094.14                   | 11   |
| All-Tex 65333 RF      | 3.6             | 1.15   | 81.4            | 27.3     | 10.4            | 2             | 80.0 | 8.8 | 21-1,21-2                    | 0.5793        | 1095.46                   | 8    |
| Stoneville 5283RF     | 3.6             | 1.13   | 80.5            | 29.3     | 9.4             | 2             | 78.3 | 8.9 | 21-2                         | 0.5735        | 1083.34                   | 13   |
| PhytoGen 375 WRF      | 3.5             | 1.13   | 81.3            | 26.3     | 8.8             | 3             | 77.7 | 8.4 | 31-1,31-2                    | 0.5633        | 1061.26                   | 18   |
| Dyna-Gro 2242 B2RF    | 3.9             | 1.15   | 81.4            | 25.2     | 10.2            | 3             | 77.5 | 8.2 | 31-1,31-2                    | 0.5618        | 1057.31                   | 19   |
| Stoneville 4664RF     | 3.9             | 1.12   | 80.9            | 25.7     | 11.0            | 3             | 76.1 | 8.9 | 31-1,31-4                    | 0.5708        | 1071.96                   | 15   |
| All-Tex 55066 B2RF    | 4.3             | 1.14   | 80.9            | 25.6     | 10.1            | 2             | 79.0 | 7.9 | 31-1,31-2                    | 0.5743        | 1065.90                   | 17   |
| FiberMax 1740B2F      | 3.8             | 1.13   | 81.0            | 27.8     | 9.1             | 2             | 80.5 | 8.0 | 21-2                         | 0.5810        | 1076.01                   | 14   |
| Stoneville 4427B2RF   | 3.9             | 1.12   | 81.6            | 27.1     | 8.6             | 3             | 76.4 | 8.3 | 31-1,31-2                    | 0.5638        | 1040.77                   | 23   |
| FiberMax 1840B2F      | 4.2             | 1.04   | 81.8            | 30.3     | 9.6             | 2             | 77.2 | 8.3 | 31-1,31-2                    | 0.5200        | 959.40                    | 37   |
| Paymaster 2150B2RF    | 3.5             | 1.17   | 81.3            | 28.5     | 9.9             | 3             | 78.0 | 7.8 | 31-1,31-2                    | 0.5543        | 1014.37                   | 27   |
| Stoneville 4357B2RF   | 3.6             | 1.19   | 80.7            | 25.6     | 9.1             | 2             | 79.6 | 8.6 | 21-1,31-1                    | 0.5748        | 1047.86                   | 21   |
| Deltapine 143B2RF     | 3.5             | 1.19   | 79.8            | 28.1     | 9.0             | 2             | 77.7 | 8.2 | 31-1,31-2                    | 0.5650        | 1028.87                   | 25   |
| PhytoGen 485 WRF      | 4.1             | 1.14   | 82.0            | 28.7     | 9.9             | 4             | 74.9 | 8.8 | 31-4,41-1                    | 0.5555        | 1010.45                   | 30   |
| Stoneville 4678B2RF   | 4.4             | 1.18   | 82.8            | 28.0     | 9.3             | 3             | 79.3 | 7.2 | 31-2                         | 0.5773        | 1048.95                   | 20   |
| Stoneville 4554B2RF   | 4.0             | 1.16   | 81.5            | 26.2     | 10.8            | 2             | 76.0 | 9.0 | 21-2,42-1                    | 0.5483        | 992.42                    | 34   |
| PhytoGen 425 RF       | 4.0             | 1.14   | 82.2            | 27.4     | 10.1            | 4             | 77.2 | 8.6 | 31-1,31-2                    | 0.5628        | 1011.91                   | 29   |
| FiberMax 9063B2F      | 3.6             | 1.19   | 79.9            | 28.2     | 8.4             | 3             | 80.2 | 7.4 | 31-1                         | 0.5743        | 1031.44                   | 24   |
| FiberMax 9180B2F      | 3.8             | 1.17   | 82.2            | 29.6     | 8.5             | 2             | 80.3 | 7.5 | 21-1,31-2                    | 0.5835        | 1040.96                   | 22   |

Table 32A. Results of the irrigated Roundup Ready Flex variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation         | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                     |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| FiberMax 1880B2F    | 3.5             | 1.20   | 81.4            | 28.8     | 8.3             | 2             | 78.8 | 8.2 | 31-1                         | 0.5680        | 1012.74                   | 28   |
| Deltapine 161B2RF   | 3.6             | 1.17   | 80.1            | 28.6     | 9.1             | 2             | 78.7 | 7.9 | 31-1,31-2                    | 0.5775        | 1028.53                   | 26   |
| Dyna-Gro 2520 B2RF  | 3.8             | 1.17   | 81.1            | 26.2     | 9.2             | 2             | 78.9 | 8.3 | 31-1                         | 0.5755        | 1005.97                   | 31   |
| Stoneville 5327B2RF | 3.7             | 1.15   | 82.2            | 27.9     | 9.7             | 3             | 74.1 | 8.8 | 31-2,42-1                    | 0.5428        | 945.56                    | 39   |
| All-Tex Apex B2RF   | 3.6             | 1.17   | 79.9            | 23.8     | 8.9             | 2             | 80.3 | 8.3 | 21-1,31-1                    | 0.5525        | 961.90                    | 35   |
| All-Tex 65352 B2RF  | 4.0             | 1.12   | 80.0            | 26.8     | 9.0             | 2             | 77.1 | 8.2 | 31-1,31-2                    | 0.5728        | 996.10                    | 32   |
| All-Tex 65219 B2RF  | 4.0             | 1.13   | 80.5            | 25.7     | 9.3             | 2             | 78.4 | 8.0 | 31-1                         | 0.5730        | 995.30                    | 33   |
| Americot 1532 B2RF  | 3.7             | 1.17   | 80.9            | 24.0     | 8.9             | 2             | 78.3 | 8.4 | 21-2,31-2                    | 0.5695        | 961.89                    | 36   |
| Deltapine 164B2RF   | 3.5             | 1.19   | 80.5            | 26.8     | 8.4             | 2             | 79.4 | 7.8 | 31-1,31-2                    | 0.5680        | 947.42                    | 38   |
| Deltapine 147RF     | 3.3             | 1.19   | 80.1            | 27.3     | 8.5             | 2             | 77.9 | 8.4 | 31-1                         | 0.5555        | 902.13                    | 40   |
| Stoneville 6351B2RF | 3.5             | 1.15   | 80.3            | 27.5     | 9.3             | 2             | 79.2 | 8.7 | 21-1,31-1                    | 0.5643        | 888.21                    | 41   |
| Deltapine 141B2RF   | 3.4             | 1.16   | 79.6            | 28.7     | 8.8             | 2             | 78.4 | 8.3 | 31-1                         | 0.5470        | 824.88                    | 44   |
| AFD 5065B2F         | 3.7             | 1.16   | 80.3            | 28.2     | 9.2             | 2             | 79.7 | 7.6 | 31-1,31-2                    | 0.5665        | 850.32                    | 43   |
| All-Tex 65016 RF    | 3.9             | 1.17   | 82.1            | 27.0     | 9.8             | 2             | 80.7 | 8.5 | 21-1,21-2                    | 0.5868        | 877.85                    | 42   |
| Mean                | 3.8             | 1.15   | 80.9            | 27.1     | 9.3             | 2             | 78.3 | 8.2 |                              | 0.5670        |                           |      |
| c.v.%               | 5.0             | 1.7    | 1.0             | 4.6      | 3.8             | 34.0          | 1.8  | 4.0 |                              | 3.3           |                           |      |
| LSD 0.05            | 0.3             | 0.03   | 1.4             | 2.1      | 0.6             | 1             | 2.4  | 0.6 |                              | 0.0314        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grades from these two samples are identical, only one color grade is reported.

Table 33. Production information for irrigated performance test at Texas AgriLife Research, Halfway, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | Round-Up Ready Flex Variety Test   |
| Planting Date:    | May 17   |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Treflan 1 ¼ pt/A applied pre-plant   |
| Fertilizer:       | 100-20-0 lbs/A applied pre-plant   |
| Irrigations:      | 3.0 acre-in on July 29-30  |
| Insecticide:      | Temik @ 3.2 lbs/A at planting  |
| Harvest Aids:     | Prep @ 32oz/A and Def 6 16oz/A October 17<br>Gramoxone @ 24oz/A October 29 |
| Harvest Date:     | November 5   |
| Freeze Date:      | October 23   |



Table 34. Results of the irrigated Roundup Ready Flex variety test at Texas AgriLife Research, Halfway, TX, 2007.

| Designation           | Yield | Agronomic Properties |      |        |        |              |               |               |                  | % Open<br>Bolls<br>10/10/07 | Storm<br>Resistance |
|-----------------------|-------|----------------------|------|--------|--------|--------------|---------------|---------------|------------------|-----------------------------|---------------------|
|                       |       | % Turnout            |      | % Lint |        | Boll<br>Size | Seed<br>Index | Lint<br>Index | Seed Per<br>Boll |                             |                     |
|                       |       | Lint                 | Seed | Picked | Pulled |              |               |               |                  |                             |                     |
| Stoneville 4664RF     | 1162  | 31.9                 | 41.6 | 45.5   | 33.8   | 5.0          | 9.6           | 7.8           | 28.9             | 84                          | 2.5                 |
| Dyna-Gro CTO7343 RF   | 1131  | 32.4                 | 41.7 | 44.9   | 33.7   | 5.0          | 9.5           | 8.1           | 27.6             | 82                          | 2.7                 |
| Stoneville 4427B2RF   | 1128  | 30.8                 | 43.9 | 41.6   | 30.4   | 4.7          | 9.4           | 7.0           | 27.4             | 83                          | 2.6                 |
| FiberMax 9060F        | 1126  | 32.8                 | 42.5 | 40.3   | 30.1   | 4.8          | 10.6          | 8.0           | 24.5             | 85                          | 2.9                 |
| Dyna-Gro CTO7550 B2RF | 1120  | 30.1                 | 41.8 | 44.3   | 34.6   | 5.7          | 9.9           | 8.1           | 31.2             | 75                          | 2.7                 |
| FiberMax 9058F        | 1115  | 31.3                 | 41.7 | 43.6   | 33.2   | 5.2          | 10.3          | 8.1           | 27.9             | 91                          | 2.9                 |
| FiberMax 1740B2F      | 1109  | 32.7                 | 42.6 | 44.8   | 33.4   | 5.0          | 9.9           | 8.3           | 27.0             | 87                          | 2.7                 |
| FiberMax 9180B2F      | 1108  | 30.9                 | 44.4 | 40.4   | 30.5   | 5.4          | 11.2          | 8.0           | 27.5             | 80                          | 2.8                 |
| FiberMax 9063B2F      | 1106  | 31.5                 | 44.5 | 38.7   | 28.1   | 5.4          | 11.6          | 8.6           | 24.1             | 90                          | 3.0                 |
| PhytoGen 315 RF       | 1085  | 30.3                 | 39.1 | 44.8   | 32.7   | 5.0          | 9.6           | 8.1           | 27.9             | 75                          | 2.4                 |
| PhytoGen 375 WRF      | 1081  | 31.0                 | 40.4 | 43.5   | 31.3   | 4.6          | 9.5           | 7.8           | 25.7             | 90                          | 2.5                 |
| All-Tex 65352 B2RF    | 1075  | 30.5                 | 45.5 | 42.1   | 30.1   | 5.1          | 9.9           | 7.0           | 30.8             | 88                          | 2.5                 |
| All-Tex 65333 RF      | 1069  | 34.2                 | 44.4 | 44.8   | 33.0   | 4.7          | 9.5           | 8.1           | 26.3             | 94                          | 2.7                 |
| AFD 5065B2F           | 1067  | 28.5                 | 45.6 | 37.2   | 29.0   | 5.5          | 9.8           | 6.5           | 31.4             | 85                          | 3.0                 |
| Stoneville 5283RF     | 1060  | 30.8                 | 41.2 | 43.3   | 30.9   | 4.7          | 9.2           | 7.4           | 27.7             | 82                          | 2.4                 |
| Dyna-Gro 2520 B2RF    | 1059  | 29.3                 | 42.5 | 41.6   | 28.3   | 4.4          | 8.0           | 5.9           | 33.0             | 80                          | 2.6                 |
| NexGen 3348 B2RF      | 1054  | 30.5                 | 43.2 | 41.4   | 31.1   | 5.1          | 10.6          | 7.8           | 26.6             | 82                          | 2.8                 |
| Stoneville 4357B2RF   | 1044  | 29.2                 | 43.8 | 40.5   | 30.7   | 5.1          | 9.8           | 7.4           | 27.6             | 83                          | 2.6                 |
| Stoneville 4498B2RF   | 1036  | 28.4                 | 42.3 | 42.5   | 31.1   | 5.1          | 9.6           | 7.5           | 28.7             | 80                          | 2.6                 |
| Stoneville 5327B2RF   | 1027  | 28.9                 | 42.1 | 42.6   | 30.4   | 4.4          | 9.0           | 7.0           | 26.3             | 84                          | 2.5                 |
| Stoneville 4554B2RF   | 1017  | 29.6                 | 43.3 | 42.5   | 31.4   | 5.5          | 10.4          | 8.0           | 29.1             | 78                          | 2.6                 |
| Paymaster 2141B2RF    | 1015  | 32.2                 | 45.1 | 40.5   | 30.2   | 5.3          | 11.4          | 8.3           | 26.0             | 96                          | 3.0                 |
| NexGen 3550 RF        | 991   | 29.7                 | 44.8 | 40.5   | 31.6   | 5.1          | 10.4          | 7.5           | 27.2             | 88                          | 2.7                 |
| NexGen 3410 RF        | 988   | 30.6                 | 43.4 | 42.0   | 30.6   | 5.0          | 10.3          | 8.0           | 26.3             | 95                          | 2.8                 |
| Stoneville 4596B2RF   | 978   | 29.0                 | 44.9 | 40.8   | 29.2   | 5.1          | 9.8           | 7.0           | 29.6             | 88                          | 2.6                 |
| Dyna-Gro 2100 B2RF    | 972   | 27.5                 | 44.0 | 39.2   | 28.8   | 5.1          | 10.2          | 6.9           | 29.2             | 88                          | 2.7                 |
| Dyna-Gro 2383 RF      | 970   | 27.6                 | 42.2 | 43.1   | 29.5   | 4.3          | 9.2           | 7.1           | 25.9             | 83                          | 2.5                 |
| PhytoGen 425 RF       | 954   | 29.9                 | 43.6 | 41.4   | 29.0   | 4.3          | 9.4           | 7.0           | 24.9             | 82                          | 2.4                 |
| All-Tex 65027 RF      | 952   | 29.2                 | 45.3 | 38.7   | 26.2   | 5.0          | 9.6           | 6.5           | 29.1             | 81                          | 2.6                 |
| NexGen 2549 B2RF      | 951   | 29.4                 | 43.6 | 40.2   | 29.7   | 4.6          | 9.7           | 6.8           | 26.7             | 89                          | 2.9                 |

Table 34. Results of the irrigated Roundup Ready Flex variety test at Texas AgriLife Research, Halfway, TX, 2007.

| Designation         | Yield | Agronomic Properties |      |        |        |              |               |               |                  | % Open<br>Bolls<br>10/10/07 | Storm<br>Resistance |
|---------------------|-------|----------------------|------|--------|--------|--------------|---------------|---------------|------------------|-----------------------------|---------------------|
|                     |       | % Turnout            |      | % Lint |        | Boll<br>Size | Seed<br>Index | Lint<br>Index | Seed Per<br>Boll |                             |                     |
|                     |       | Lint                 | Seed | Picked | Pulled |              |               |               |                  |                             |                     |
| Americot 1664B2RF   | 950   | 30.0                 | 42.5 | 41.4   | 29.0   | 4.5          | 9.5           | 7.1           | 26.3             | 90                          | 2.6                 |
| NexGen 1572 RF      | 947   | 30.0                 | 44.9 | 39.8   | 28.9   | 5.1          | 10.1          | 7.1           | 28.6             | 96                          | 3.1                 |
| NexGen 3273 B2RF    | 940   | 27.5                 | 43.2 | 38.1   | 27.5   | 4.8          | 9.9           | 6.4           | 28.5             | 80                          | 2.7                 |
| All-Tex Summit B2RF | 937   | 28.9                 | 43.8 | 38.8   | 28.8   | 5.2          | 9.8           | 7.0           | 28.7             | 91                          | 2.6                 |
| Deltapine 121RF     | 927   | 30.2                 | 39.0 | 47.1   | 33.6   | 4.6          | 10.0          | 8.6           | 25.0             | 93                          | 2.3                 |
| Paymaster 3225B2RF  | 925   | 30.3                 | 42.0 | 42.3   | 31.0   | 4.7          | 10.2          | 7.8           | 25.3             | 91                          | 2.7                 |
| Deltapine 117B2RF   | 924   | 29.8                 | 41.8 | 41.9   | 28.2   | 4.3          | 10.2          | 7.6           | 23.6             | 88                          | 2.6                 |
| Dyna-Gro 2242 B2RF  | 923   | 28.7                 | 42.2 | 41.3   | 27.6   | 4.1          | 9.6           | 7.1           | 24.1             | 85                          | 2.6                 |
| All-Tex 65219 B2RF  | 922   | 27.9                 | 44.3 | 41.1   | 31.5   | 5.2          | 9.7           | 7.0           | 30.6             | 85                          | 2.6                 |
| Dyna-Gro 2490 B2RF  | 918   | 29.0                 | 44.2 | 40.9   | 28.6   | 4.3          | 9.2           | 6.7           | 26.2             | 90                          | 2.7                 |
| Stoneville 4678B2RF | 915   | 27.8                 | 41.8 | 39.7   | 28.1   | 4.6          | 10.4          | 7.9           | 21.2             | 88                          | 2.5                 |
| Americot 1622B2RF   | 911   | 28.2                 | 43.9 | 38.2   | 27.3   | 4.4          | 9.8           | 6.4           | 26.4             | 86                          | 2.6                 |
| PhytoGen 485 WRF    | 910   | 30.5                 | 43.6 | 38.4   | 28.8   | 4.3          | 9.6           | 6.9           | 23.9             | 87                          | 2.6                 |
| NexGen 1553 R       | 904   | 29.6                 | 46.7 | 38.0   | 29.5   | 5.3          | 10.4          | 6.7           | 30.2             | 93                          | 2.9                 |
| All-Tex 65018 RF    | 883   | 28.4                 | 44.2 | 40.6   | 28.0   | 4.4          | 9.5           | 6.6           | 26.9             | 87                          | 2.7                 |
| All-Tex Apex B2RF   | 868   | 29.5                 | 43.1 | 42.9   | 31.6   | 4.7          | 9.3           | 7.2           | 27.7             | 89                          | 2.7                 |
| All-Tex 65016 RF    | 865   | 26.5                 | 43.3 | 39.0   | 27.5   | 4.6          | 9.9           | 6.5           | 27.7             | 87                          | 2.6                 |
| NexGen 2448 R       | 865   | 30.6                 | 45.4 | 40.7   | 28.7   | 5.1          | 10.5          | 7.6           | 27.2             | 87                          | 3.2                 |
| All-Tex Arid B2RF   | 822   | 28.7                 | 48.6 | 39.6   | 27.6   | 5.1          | 10.0          | 6.8           | 29.6             | 94                          | 3.0                 |
| Deltapine 104 B2RF  | 737   | 22.2                 | 41.7 | 37.1   | 26.5   | 4.3          | 9.6           | 6.3           | 25.3             | 91                          | 2.6                 |
| Americot 1504B2RF   | 733   | 23.7                 | 37.3 | 41.8   | 31.3   | 5.2          | 10.2          | 7.7           | 28.3             | 89                          | 2.7                 |
| Mean                | 986   | 29.6                 | 43.2 | 41.3   | 30.0   | 4.8          | 9.8           | 7.3           | 27.3             | 86                          | 2.7                 |
| c.v.%               | 13.2  | 4.4                  | 4.0  | 4.0    | 6.2    | 10.2         | 5.3           | 6.0           | 11.6             | 8.1                         | 4.0                 |
| LSD 0.05            | 152   | 2.2                  | 2.9  | 2.8    | 3.1    | 0.8          | 0.9           | 0.7           | 5.3              | 12                          | 0.1                 |

Table 34A. Results of the irrigated Roundup Ready Flex variety test at Texas AgriLife Research, Halfway, TX, 2007.

| Designation           | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|-----------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                       |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| Stoneville 4664RF     | 4.7             | 1.06   | 81.8            | 28.0     | 10.0            | 2             | 76.7 | 9.1 | 21-2,32-1                    | 0.5373        | 624.34                    | 3    |
| Dyna-Gro CTO7343 RF   | 4.5             | 1.09   | 80.7            | 26.5     | 9.9             | 2             | 76.9 | 9.0 | 31-1,31-3                    | 0.5510        | 623.18                    | 4    |
| Stoneville 4427B2RF   | 4.8             | 1.06   | 80.1            | 25.9     | 8.2             | 2             | 76.7 | 8.8 | 21-1,41-3                    | 0.5380        | 606.86                    | 7    |
| FiberMax 9060F        | 4.6             | 1.12   | 80.8            | 28.2     | 8.1             | 2             | 78.7 | 8.3 | 31-1                         | 0.5708        | 642.72                    | 1    |
| Dyna-Gro CTO7550 B2RF | 4.1             | 1.09   | 81.6            | 26.3     | 9.8             | 3             | 76.0 | 9.1 | 21-1,42-1                    | 0.5400        | 604.80                    | 8    |
| FiberMax 9058F        | 4.7             | 1.11   | 81.4            | 25.8     | 7.3             | 2             | 76.8 | 8.4 | 31-1,41-1                    | 0.5518        | 615.26                    | 5    |
| FiberMax 1740B2F      | 4.8             | 1.06   | 81.6            | 27.0     | 8.8             | 1             | 78.3 | 8.7 | 21-1,31-1                    | 0.5438        | 603.07                    | 9    |
| FiberMax 9180B2F      | 4.6             | 1.06   | 80.5            | 28.3     | 8.9             | 2             | 77.3 | 8.0 | 31-1,41-1                    | 0.5228        | 579.26                    | 16   |
| FiberMax 9063B2F      | 4.7             | 1.15   | 80.8            | 28.9     | 8.0             | 2             | 78.2 | 8.0 | 21-2,41-1                    | 0.5668        | 626.88                    | 2    |
| PhytoGen 315 RF       | 4.5             | 1.05   | 80.0            | 25.6     | 9.1             | 2             | 77.1 | 9.2 | 21-1,31-4                    | 0.5210        | 565.29                    | 17   |
| PhytoGen 375 WRF      | 4.6             | 1.09   | 81.3            | 26.0     | 8.9             | 1             | 75.1 | 8.8 | 31-1,42-1                    | 0.5375        | 581.04                    | 15   |
| All-Tex 65352 B2RF    | 4.7             | 1.08   | 80.2            | 26.4     | 8.8             | 2             | 77.3 | 9.0 | 21-2,31-1                    | 0.5565        | 598.24                    | 10   |
| All-Tex 65333 RF      | 4.4             | 1.08   | 81.7            | 25.4     | 10.3            | 2             | 75.1 | 9.1 | 21-2,42-1                    | 0.5245        | 560.69                    | 20   |
| AFD 5065B2F           | 4.7             | 1.10   | 80.9            | 26.5     | 9.3             | 1             | 77.5 | 8.3 | 31-1,31-2                    | 0.5580        | 595.39                    | 11   |
| Stoneville 5283RF     | 4.5             | 1.10   | 82.2            | 28.2     | 9.1             | 3             | 73.5 | 9.3 | 32-2,42-1                    | 0.5175        | 548.55                    | 24   |
| Dyna-Gro 2520 B2RF    | 4.5             | 1.09   | 80.8            | 25.3     | 8.7             | 1             | 78.2 | 9.1 | 21-2,31-3                    | 0.5603        | 593.36                    | 12   |
| NexGen 3348 B2RF      | 4.2             | 1.11   | 80.7            | 27.7     | 8.6             | 2             | 79.6 | 8.5 | 21-1,31-1                    | 0.5813        | 612.69                    | 6    |
| Stoneville 4357B2RF   | 4.6             | 1.13   | 80.8            | 24.3     | 9.2             | 2             | 76.2 | 9.1 | 31-3                         | 0.5603        | 584.95                    | 14   |
| Stoneville 4498B2RF   | 4.5             | 1.10   | 81.9            | 29.8     | 10.1            | 3             | 72.5 | 8.9 | 31-4,42-2                    | 0.5428        | 562.34                    | 19   |
| Stoneville 5327B2RF   | 4.5             | 1.07   | 81.2            | 28.6     | 9.9             | 2             | 76.3 | 8.8 | 31-3,41-1                    | 0.5410        | 555.61                    | 21   |
| Stoneville 4554B2RF   | 4.5             | 1.11   | 81.6            | 28.5     | 10.3            | 2             | 78.3 | 9.1 | 21-1,21-2                    | 0.5790        | 588.84                    | 13   |
| Paymaster 2141B2RF    | 4.5             | 1.08   | 81.2            | 26.0     | 8.3             | 3             | 75.0 | 7.9 | 31-2,41-2                    | 0.5448        | 552.97                    | 22   |
| NexGen 3550 RF        | 4.7             | 1.08   | 80.2            | 27.9     | 9.0             | 2             | 78.7 | 8.6 | 21-2,31-1                    | 0.5695        | 564.37                    | 18   |
| NexGen 3410 RF        | 4.5             | 1.14   | 80.7            | 28.2     | 8.2             | 2             | 75.1 | 8.7 | 31-2,41-3                    | 0.5590        | 552.29                    | 23   |
| Stoneville 4596B2RF   | 4.7             | 1.12   | 81.9            | 28.3     | 9.7             | 5             | 74.1 | 9.3 | 21-4,42-1                    | 0.5135        | 502.20                    | 36   |
| Dyna-Gro 2100 B2RF    | 4.4             | 1.07   | 80.6            | 27.0     | 9.5             | 1             | 78.8 | 8.7 | 21-1,31-1                    | 0.5435        | 528.28                    | 25   |
| Dyna-Gro 2383 RF      | 4.5             | 1.07   | 81.1            | 26.2     | 8.6             | 3             | 73.3 | 8.4 | 31-2,41-4                    | 0.5400        | 523.80                    | 28   |
| PhytoGen 425 RF       | 5.2             | 1.07   | 81.8            | 28.2     | 10.2            | 4             | 71.5 | 9.1 | 32-2,42-2                    | 0.4663        | 444.85                    | 47   |
| All-Tex 65027 RF      | 4.7             | 1.10   | 80.7            | 25.4     | 8.4             | 2             | 75.5 | 9.0 | 21-4,41-3                    | 0.5518        | 525.31                    | 27   |
| NexGen 2549 B2RF      | 4.3             | 1.05   | 81.8            | 28.3     | 9.1             | 2             | 76.3 | 8.7 | 31-1,31-2                    | 0.5278        | 501.94                    | 37   |

Table 34A. Results of the irrigated Roundup Ready Flex variety test at Texas AgriLife Research, Halfway, TX, 2007.

| Designation         | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                     |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| Americot 1664B2RF   | 4.5             | 1.09   | 80.9            | 25.7     | 9.7             | 3             | 75.0 | 8.6 | 31-2,41-1                    | 0.5380        | 511.10                    | 30   |
| NexGen 1572 RF      | 4.3             | 1.09   | 80.3            | 26.5     | 8.6             | 3             | 74.9 | 7.9 | 41-1                         | 0.5290        | 500.96                    | 38   |
| NexGen 3273 B2RF    | 4.3             | 1.09   | 80.5            | 25.4     | 9.6             | 1             | 75.8 | 8.4 | 31-1,41-3                    | 0.5440        | 511.36                    | 29   |
| All-Tex Summit B2RF | 4.4             | 1.07   | 81.6            | 25.6     | 9.4             | 2             | 74.4 | 9.2 | 31-3,42-1                    | 0.5220        | 489.11                    | 40   |
| Deltapine 121RF     | 5.1             | 1.09   | 81.3            | 27.6     | 9.0             | 2             | 74.9 | 9.6 | 31-3,32-2                    | 0.5108        | 473.51                    | 45   |
| Paymaster 3225B2RF  | 4.5             | 1.09   | 80.8            | 31.2     | 9.5             | 3             | 71.2 | 8.4 | 41-2,42-2                    | 0.5215        | 482.39                    | 43   |
| Deltapine 117B2RF   | 4.7             | 1.10   | 81.0            | 28.0     | 8.8             | 3             | 75.8 | 8.4 | 21-1,41-2                    | 0.5520        | 510.05                    | 32   |
| Dyna-Gro 2242 B2RF  | 4.7             | 1.09   | 81.1            | 24.2     | 9.4             | 3             | 76.2 | 8.5 | 31-1,41-1                    | 0.5343        | 493.16                    | 39   |
| All-Tex 65219 B2RF  | 4.7             | 1.05   | 80.3            | 25.3     | 8.8             | 2             | 77.9 | 8.9 | 21-2,31-1                    | 0.5268        | 485.71                    | 42   |
| Dyna-Gro 2490 B2RF  | 4.2             | 1.05   | 81.2            | 25.5     | 10.0            | 3             | 77.0 | 8.5 | 31-1                         | 0.5253        | 482.23                    | 44   |
| Stoneville 4678B2RF | 4.5             | 1.14   | 81.9            | 29.0     | 8.3             | 2             | 79.3 | 7.9 | 31-1,31-2                    | 0.5773        | 528.23                    | 26   |
| Americot 1622B2RF   | 4.5             | 1.12   | 81.5            | 28.8     | 8.2             | 3             | 75.5 | 8.4 | 21-2,41-4                    | 0.5600        | 510.16                    | 31   |
| PhytoGen 485 WRF    | 5.1             | 1.08   | 81.8            | 27.8     | 9.8             | 4             | 73.2 | 9.0 | 41-3                         | 0.5148        | 468.47                    | 46   |
| NexGen 1553 R       | 4.4             | 1.07   | 81.6            | 27.3     | 9.7             | 1             | 75.7 | 8.5 | 31-1,41-1                    | 0.5400        | 488.16                    | 41   |
| All-Tex 65018 RF    | 4.7             | 1.14   | 82.0            | 27.1     | 8.9             | 2             | 76.7 | 8.7 | 31-1,31-4                    | 0.5750        | 507.73                    | 33   |
| All-Tex Apex B2RF   | 4.3             | 1.13   | 80.8            | 26.7     | 9.2             | 1             | 78.0 | 8.8 | 21-1,31-1                    | 0.5813        | 504.57                    | 34   |
| All-Tex 65016 RF    | 4.3             | 1.13   | 81.2            | 27.4     | 9.7             | 2             | 77.4 | 9.2 | 21-2,31-3                    | 0.5825        | 503.86                    | 35   |
| NexGen 2448 R       | 4.7             | 1.03   | 81.4            | 29.2     | 8.7             | 5             | 73.8 | 8.2 | 31-2,41-2                    | 0.3153        | 272.73                    | 50   |
| All-Tex Arid B2RF   | 4.3             | 1.03   | 79.0            | 26.8     | 8.9             | 4             | 76.3 | 7.9 | 31-1,41-1                    | 0.4898        | 402.62                    | 48   |
| Deltapine 104 B2RF  | 4.3             | 1.07   | 80.1            | 29.0     | 9.5             | 3             | 76.3 | 8.5 | 31-1,41-1                    | 0.5380        | 396.51                    | 49   |
| Americot 1504B2RF   | 4.3             | 1.06   | 80.9            | 27.4     | 9.0             | 4             | 74.9 | 9.0 | 21-2,42-1                    | 0.4965        | 119.16                    | 51   |
| Mean                | 4.5             | 1.09   | 81.0            | 27.1     | 9.1             | 2             | 76.1 | 8.7 |                              | 0.5370        |                           |      |
| c.v.%               | 5.1             | 2.4    | 1.0             | 4.6      | 5.0             | 57.2          | 3.3  | 3.8 |                              | 9.3           |                           |      |
| LSD 0.05            | 0.4             | 0.04   | 1.4             | 2.1      | 0.8             | 2             | 4.2  | 0.6 |                              | 0.0835        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grades from these two samples are identical, only one color grade is reported.

Table 35. Production information for irrigated performance test at Texas AgriLife Research, Lubbock, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | Round-Up Ready Flex Variety Test                           |
| Planting Date:    | May 5  |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Prowl @ 1qt/A applied pre-plant                            |
| Fertilizer:       | 100-2-0 lbs/A applied pre-plant                            |
| Irrigations:      | 2.1 acre-in on July 19<br>2.7 acre-in on August 14         |
| Insecticide:      | Temik @ 3.2 lbs/A at planting<br>Intruder @ 1oz/A August 7 |
| Harvest Aids:     | Gramoxone @24 oz/A and Aim @ 1oz/A November 2              |
| Harvest Date:     | November 20  |
| Freeze Date:      | October 23   |

Table 36. Results of the irrigated Roundup Ready Flex variety test at Texas AgriLife Reserach, Lubbock, TX 2007

| Designation         | Yield | Agronomic Properties |      |        |       |       |          | % Open<br>Bolls<br>10/15/07 | Storm<br>Resistance |
|---------------------|-------|----------------------|------|--------|-------|-------|----------|-----------------------------|---------------------|
|                     |       | % Turnout            |      | % Lint | Seed  | Lint  | Seed Per |                             |                     |
|                     |       | Lint                 | Seed | Pulled | Index | Index | Boll     |                             |                     |
| FiberMax 958        | 1676  | 32.0                 | 46.5 | 28.9   | 10.8  | 7.6   | 32.4     | 74                          | 2.9                 |
| FiberMax 9058F      | 1593  | 31.1                 | 46.2 | 31.5   | 10.0  | 7.5   | 28.1     | 78                          | 2.9                 |
| FiberMax 9060F      | 1522  | 27.5                 | 42.0 | 29.3   | 10.3  | 7.1   | 32.0     | 69                          | 2.8                 |
| FiberMax 9063B2F    | 1489  | 30.7                 | 45.6 | 25.6   | 11.0  | 7.1   | 30.8     | 72                          | 2.9                 |
| FiberMax 9180B2F    | 1445  | 29.7                 | 45.6 | 28.9   | 10.2  | 6.6   | 32.0     | 75                          | 2.8                 |
| Paymaster 3225B2RF  | 1435  | 30.5                 | 46.7 | 26.7   | 8.8   | 6.0   | 35.4     | 60                          | 2.8                 |
| Stoneville 5458B2RF | 1367  | 28.3                 | 42.4 | 31.2   | 9.5   | 6.5   | 29.5     | 60                          | 2.6                 |
| Deltapine 117B2RF   | 1365  | 31.2                 | 44.9 | 29.2   | 10.0  | 6.3   | 29.2     | 83                          | 2.6                 |
| FiberMax 1740B2F    | 1358  | 31.2                 | 45.4 | 28.4   | 9.6   | 7.2   | 30.4     | 68                          | 2.7                 |
| PhytoGen 485 WRF    | 1347  | 31.1                 | 48.7 | 26.5   | 9.4   | 6.2   | 26.3     | 73                          | 2.2                 |
| Americot 1504 B2RF  | 1339  | 30.4                 | 45.9 | 29.2   | 8.9   | 6.1   | 32.4     | 81                          | 2.1                 |
| Deltapine 147RF     | 1318  | 29.4                 | 45.9 | 29.8   | 8.8   | 6.0   | 34.4     | 76                          | 2.5                 |
| FiberMax 1880B2F    | 1311  | 28.9                 | 45.4 | 28.9   | 9.0   | 5.0   | 31.2     | 78                          | 2.7                 |
| All-Tex 65018 RF    | 1305  | 28.5                 | 45.2 | 25.3   | 9.6   | 5.7   | 31.4     | 75                          | 2.6                 |
| NexGen 3348 B2RF    | 1296  | 28.8                 | 45.8 | 29.9   | 10.7  | 7.1   | 31.9     | 85                          | 2.9                 |
| PhytoGen 315 RF     | 1283  | 28.4                 | 42.4 | 29.8   | 9.5   | 7.2   | 30.5     | 76                          | 2.1                 |
| NexGen 2448 R       | 1283  | 27.7                 | 44.9 | 28.6   | 10.6  | 6.6   | 29.9     | 88                          | 3.0                 |
| NexGen 3410 RF      | 1271  | 27.5                 | 44.0 | 28.1   | 11.6  | 7.6   | 36.9     | 62                          | 2.9                 |
| Stoneville 4554B2RF | 1264  | 28.9                 | 46.1 | 32.2   | 9.4   | 6.6   | 31.4     | 73                          | 2.5                 |
| Paymaster 2326RR    | 1263  | 28.3                 | 47.3 | 28.5   | 10.1  | 6.4   | 33.5     | 80                          | 3.0                 |
| Stoneville 5327B2RF | 1250  | 28.0                 | 39.7 | 29.4   | 9.0   | 6.3   | 28.4     | 77                          | 2.3                 |
| Dyna-Gro CTO7343 RF | 1222  | 27.6                 | 42.4 | 25.3   | 9.2   | 5.3   | 32.8     | 58                          | 2.2                 |
| All-Tex 65333 RF    | 1220  | 31.8                 | 45.5 | 31.3   | 9.4   | 6.9   | 35.4     | 66                          | 2.7                 |
| PhytoGen 375 WRF    | 1219  | 28.8                 | 42.2 | 28.9   | 9.0   | 5.9   | 25.8     | 71                          | 2.2                 |
| PhytoGen 425 RF     | 1218  | 27.4                 | 44.0 | 26.8   | 9.5   | 5.3   | 30.4     | 81                          | 2.3                 |
| NexGen 3550 RF      | 1213  | 28.2                 | 44.4 | 28.1   | 10.0  | 6.4   | 31.3     | 51                          | 2.8                 |
| Stoneville 5283RF   | 1210  | 27.6                 | 42.3 | 21.6   | 9.1   | 6.4   | 25.7     | 46                          | 2.6                 |
| Stoneville 4678B2RF | 1207  | 27.5                 | 47.7 | 26.6   | 9.8   | 6.4   | 32.9     | 78                          | 2.5                 |
| Dyna-Gro 2520 B2RF  | 1197  | 27.3                 | 42.3 | 27.0   | 8.7   | 5.7   | 34.7     | 86                          | 2.5                 |
| Americot 1532 B2RF  | 1188  | 26.5                 | 40.6 | 25.6   | 9.5   | 6.5   | 31.5     | 68                          | 2.2                 |

Table 36. Results of the irrigated Roundup Ready Flex variety test at Texas AgriLife Reserach, Lubbock, TX 2007

| Designation           | Yield | Agronomic Properties |      |        |       |       |          | % Open<br>Bolls<br>10/15/07 | Storm<br>Resistance |
|-----------------------|-------|----------------------|------|--------|-------|-------|----------|-----------------------------|---------------------|
|                       |       | % Turnout            |      | % Lint | Seed  | Lint  | Seed Per |                             |                     |
|                       |       | Lint                 | Seed | Pulled | Index | Index | Boll     |                             |                     |
| All-Tex 45039 B2RF    | 1172  | 26.5                 | 43.6 | 24.9   | 10.3  | 5.8   | 34.7     | 81                          | 3.2                 |
| Stoneville 4664RF     | 1153  | 26.4                 | 43.0 | 31.9   | 9.2   | 6.5   | 35.4     | 66                          | 2.4                 |
| Dyna-Gro CTO7550 B2RF | 1144  | 27.5                 | 43.7 | 28.7   | 9.5   | 6.3   | 39.1     | 81                          | 2.7                 |
| AFD 5065B2F           | 1135  | 26.1                 | 47.7 | 25.4   | 10.0  | 5.7   | 32.5     | 77                          | 3.0                 |
| Dyna-Gro 2242 B2RF    | 1128  | 26.9                 | 45.8 | 21.5   | 8.9   | 5.7   | 31.8     | 85                          | 2.3                 |
| All-Tex 65016 RF      | 1114  | 24.6                 | 43.5 | 27.0   | 9.4   | 5.6   | 32.6     | 73                          | 2.7                 |
| Dyna-Gro 2100 B2RF    | 1107  | 26.1                 | 43.5 | 25.5   | 9.5   | 5.3   | 29.4     | 81                          | 2.5                 |
| Stoneville 4427B2RF   | 1095  | 26.3                 | 42.6 | 27.5   | 8.8   | 5.5   | 38.2     | 72                          | 2.3                 |
| Deltapine 121RF       | 1071  | 26.4                 | 38.5 | 30.0   | 8.6   | 6.4   | 33.1     | 59                          | 2.2                 |
| Deltapine 174RF       | 1063  | 30.6                 | 42.1 | 28.7   | 9.8   | 7.0   | 34.1     | 55                          | 2.7                 |
| Deltapine 143B2RF     | 1056  | 28.7                 | 47.8 | 27.4   | 8.6   | 5.3   | 34.3     | 78                          | 2.6                 |
| Deltapine 141B2RF     | 1049  | 26.1                 | 44.5 | 29.1   | 8.3   | 5.7   | 38.0     | 70                          | 2.7                 |
| Dyna-Gro 2383 RF      | 1042  | 25.9                 | 44.2 | 19.4   | 8.6   | 5.1   | 26.2     | 71                          | 2.0                 |
| Stoneville 4498B2RF   | 1042  | 26.6                 | 42.5 | 30.1   | 8.5   | 5.8   | 32.1     | 60                          | 2.4                 |
| All-Tex 65352 B2RF    | 1025  | 25.8                 | 42.1 | 29.4   | 8.7   | 5.7   | 32.1     | 79                          | 2.4                 |
| All-Tex Apex B2RF     | 1015  | 27.2                 | 45.1 | 24.1   | 9.0   | 5.5   | 29.8     | 73                          | 2.6                 |
| NexGen 3273 B2RF      | 989   | 24.9                 | 44.7 | 26.2   | 9.2   | 5.5   | 37.7     | 76                          | 2.6                 |
| Deltapine 164B2RF     | 971   | 23.2                 | 43.1 | 22.3   | 8.5   | 5.2   | 31.9     | 81                          | 2.5                 |
| Americot 1622 B2RF    | 965   | 23.7                 | 45.1 | 21.7   | 8.9   | 6.8   | 31.3     | 76                          | 2.2                 |
| Deltapine 161B2RF     | 938   | 25.2                 | 45.6 | 26.7   | 7.8   | 5.0   | 38.4     | 50                          | 2.7                 |
| All-Tex 65219 B2RF    | 935   | 25.0                 | 44.1 | 27.2   | 8.8   | 6.9   | 29.6     | 69                          | 2.7                 |
| Stoneville 4357B2RF   | 930   | 24.1                 | 43.3 | 26.2   | 9.1   | 5.5   | 28.2     | 75                          | 2.6                 |
| Americot 1664 B2RF    | 904   | 23.7                 | 39.5 | 27.0   | 8.7   | 5.5   | 32.5     | 76                          | 2.0                 |
| Dyna-Gro 2490 B2RF    | 897   | 23.3                 | 43.6 | 20.5   | 9.0   | 4.5   | 34.2     | 78                          | 2.7                 |
| Stoneville 4596B2RF   | 855   | 27.0                 | 48.4 | 26.2   | 9.5   | 5.5   | 28.0     | 66                          | 2.6                 |
| Mean                  | 1190  | 27.6                 | 44.3 | 27.3   | 9.4   | 6.1   | 32.0     | 72                          | 2.6                 |
| c.v.%                 | 11.1  | 8.3                  | 6.5  | 6.0    | 4.3   | 12.3  | 13.8     | 15.1                        | 8.0                 |
| LSD 0.05              | 155   | 3.8                  | 4.8  | 2.8    | 0.7   | 1.3   | 7.4      | 18                          | 0.2                 |

Note: Picked lint percent and boll size were not calculated for this test.

Table 36A. Results of the irrigated Roundup Ready Flex variety test at Texas AgriLife Research, Lubbock, TX, 2007.

| Designation         | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                     |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| FiberMax 958        | 4.3             | 1.13   | 81.0            | 27.3     | 8.0             | 2             | 76.2 | 7.1 | 31-1,51-1                    | 0.5410        | 906.72                    | 1    |
| FiberMax 9058F      | 4.0             | 1.16   | 80.6            | 27.8     | 8.4             | 2             | 77.3 | 7.7 | 31-2,41-1                    | 0.5633        | 897.34                    | 2    |
| FiberMax 9060F      | 3.8             | 1.15   | 79.0            | 26.0     | 8.2             | 2             | 78.0 | 7.4 | 31-2,41-1                    | 0.5548        | 844.41                    | 4    |
| FiberMax 9063B2F    | 3.9             | 1.16   | 80.2            | 29.0     | 8.6             | 3             | 78.1 | 7.5 | 31-2                         | 0.5743        | 855.13                    | 3    |
| FiberMax 9180B2F    | 3.9             | 1.16   | 81.4            | 29.5     | 8.2             | 2             | 80.2 | 7.5 | 31-1                         | 0.5785        | 835.93                    | 5    |
| Paymaster 3225B2RF  | 3.5             | 1.12   | 81.2            | 30.2     | 9.1             | 3             | 76.4 | 7.9 | 41-1                         | 0.5283        | 758.11                    | 7    |
| Stoneville 5458B2RF | 3.9             | 1.08   | 78.3            | 26.0     | 7.7             | 2             | 77.0 | 8.4 | 31-1,41-1                    | 0.5415        | 740.23                    | 12   |
| Deltapine 117B2RF   | 3.9             | 1.10   | 79.9            | 28.5     | 8.3             | 2             | 76.3 | 7.8 | 31-2,41-1                    | 0.5518        | 753.21                    | 9    |
| FiberMax 1740B2F    | 3.8             | 1.11   | 80.5            | 27.5     | 9.0             | 1             | 77.6 | 7.6 | 31-1,41-1                    | 0.5568        | 756.13                    | 8    |
| PhytoGen 485 WRF    | 3.9             | 1.12   | 81.2            | 29.0     | 9.5             | 2             | 77.0 | 8.2 | 31-1,31-2                    | 0.5770        | 777.22                    | 6    |
| Americot 1504 B2RF  | 3.9             | 1.09   | 80.9            | 24.8     | 9.3             | 1             | 78.0 | 8.2 | 31-1                         | 0.5570        | 745.82                    | 11   |
| Deltapine 147RF     | 3.5             | 1.13   | 79.9            | 27.2     | 8.0             | 2             | 78.4 | 7.9 | 31-1,31-2                    | 0.5595        | 737.42                    | 13   |
| FiberMax 1880B2F    | 3.6             | 1.13   | 79.0            | 26.5     | 9.1             | 1             | 79.6 | 7.6 | 31-1,31-2                    | 0.5715        | 749.24                    | 10   |
| All-Tex 65018 RF    | 3.9             | 1.13   | 81.5            | 26.1     | 9.9             | 2             | 76.7 | 8.3 | 31-1,41-1                    | 0.5620        | 733.41                    | 14   |
| NexGen 3348 B2RF    | 3.3             | 1.15   | 81.6            | 28.9     | 8.8             | 3             | 76.0 | 7.9 | 31-1,41-1                    | 0.5230        | 677.81                    | 23   |
| PhytoGen 315 RF     | 3.6             | 1.07   | 78.8            | 26.0     | 8.9             | 2             | 78.3 | 8.1 | 31-1                         | 0.5165        | 662.67                    | 27   |
| NexGen 2448 R       | 4.0             | 1.09   | 81.0            | 29.0     | 9.3             | 3             | 77.1 | 8.1 | 31-1,41-1                    | 0.5420        | 695.39                    | 17   |
| NexGen 3410 RF      | 3.4             | 1.16   | 79.9            | 26.1     | 8.9             | 2             | 77.4 | 8.0 | 31-1,41-1                    | 0.5365        | 681.89                    | 21   |
| Stoneville 4554B2RF | 3.6             | 1.10   | 80.5            | 27.5     | 9.8             | 2             | 78.7 | 8.3 | 31-1                         | 0.5708        | 721.49                    | 15   |
| Paymaster 2326RR    | 4.5             | 1.08   | 81.9            | 28.5     | 9.0             | 2             | 77.3 | 7.8 | 31-1,41-1                    | 0.5400        | 682.02                    | 20   |
| Stoneville 5327B2RF | 3.7             | 1.09   | 81.3            | 29.4     | 9.0             | 3             | 78.3 | 8.5 | 31-1                         | 0.5603        | 700.38                    | 16   |
| Dyna-Gro CTO7343 RF | 3.2             | 1.09   | 79.5            | 24.5     | 9.8             | 1             | 77.2 | 8.7 | 31-1                         | 0.5220        | 637.88                    | 30   |
| All-Tex 65333 RF    | 4.0             | 1.08   | 79.7            | 24.3     | 10.4            | 1             | 76.9 | 8.7 | 31-1                         | 0.5450        | 664.90                    | 25   |
| PhytoGen 375 WRF    | 3.7             | 1.08   | 79.5            | 24.5     | 9.1             | 1             | 78.6 | 8.2 | 21-2,31-2                    | 0.5438        | 662.89                    | 26   |
| PhytoGen 425 RF     | 4.2             | 1.12   | 82.2            | 26.5     | 10.1            | 2             | 74.9 | 8.7 | 31-1,41-3                    | 0.5603        | 682.45                    | 18   |
| NexGen 3550 RF      | 3.4             | 1.10   | 79.6            | 26.8     | 9.5             | 2             | 76.3 | 7.9 | 31-2,41-1                    | 0.5348        | 648.71                    | 29   |
| Stoneville 5283RF   | 3.5             | 1.10   | 80.4            | 27.4     | 9.8             | 2             | 77.0 | 8.4 | 31-1,31-2                    | 0.5570        | 673.97                    | 24   |
| Stoneville 4678B2RF | 3.9             | 1.14   | 80.9            | 27.3     | 9.1             | 1             | 77.5 | 7.1 | 31-2,41-1                    | 0.5623        | 678.70                    | 22   |
| Dyna-Gro 2520 B2RF  | 3.8             | 1.13   | 79.8            | 25.5     | 9.2             | 2             | 78.5 | 8.1 | 31-1                         | 0.5700        | 682.29                    | 19   |
| Americot 1532 B2RF  | 3.6             | 1.13   | 79.1            | 25.5     | 9.1             | 2             | 78.9 | 7.8 | 31-1,31-2                    | 0.5555        | 659.93                    | 28   |



Table 36A. Results of the irrigated Roundup Ready Flex variety test at Texas AgriLife Research, Lubbock, TX, 2007.

| Designation           | Micro- |        | Uni-    |          | Elon- | Leaf   |       |     | Color     | Loan   | Gross Loan Value per Acre |                     |
|-----------------------|--------|--------|---------|----------|-------|--------|-------|-----|-----------|--------|---------------------------|---------------------|
|                       | naire  | Length | formity | Strength |       | gation | Index | Rd  |           |        | +b                        | Grade <sup>1/</sup> |
| All-Tex 45039 B2RF    | 4.2    | 1.07   | 79.4    | 25.6     | 9.3   | 2      | 74.8  | 7.3 | 31-2,51-1 | 0.5235 | 613.54                    | 34                  |
| Stoneville 4664RF     | 3.8    | 1.07   | 80.1    | 27.3     | 10.3  | 2      | 76.2  | 8.6 | 31-2      | 0.5415 | 624.35                    | 33                  |
| Dyna-Gro CTO7550 B2RF | 3.6    | 1.10   | 79.6    | 27.2     | 9.6   | 1      | 79.0  | 8.3 | 31-1      | 0.5460 | 624.62                    | 32                  |
| AFD 5065B2F           | 4.0    | 1.09   | 80.4    | 27.8     | 9.3   | 2      | 77.6  | 7.3 | 31-1,41-2 | 0.5548 | 629.70                    | 31                  |
| Dyna-Gro 2242 B2RF    | 3.8    | 1.07   | 79.5    | 24.2     | 9.5   | 3      | 76.8  | 8.0 | 31-1,41-1 | 0.5168 | 582.95                    | 40                  |
| All-Tex 65016 RF      | 3.4    | 1.13   | 80.7    | 26.8     | 9.9   | 2      | 77.1  | 8.0 | 31-1,41-1 | 0.5430 | 604.90                    | 38                  |
| Dyna-Gro 2100 B2RF    | 3.9    | 1.07   | 80.6    | 25.6     | 9.3   | 1      | 77.6  | 8.4 | 31-1,31-2 | 0.5508 | 609.74                    | 35                  |
| Stoneville 4427B2RF   | 3.6    | 1.11   | 80.0    | 25.0     | 8.7   | 2      | 78.6  | 7.9 | 31-1      | 0.5558 | 608.60                    | 37                  |
| Deltapine 121RF       | 4.0    | 1.13   | 81.6    | 28.3     | 9.7   | 3      | 76.6  | 8.3 | 31-1,31-2 | 0.5645 | 604.58                    | 39                  |
| Deltapine 174RF       | 3.8    | 1.12   | 81.1    | 25.3     | 9.5   | 2      | 77.1  | 8.3 | 31-1,31-2 | 0.5730 | 609.10                    | 36                  |
| Deltapine 143B2RF     | 3.4    | 1.10   | 78.2    | 26.8     | 9.1   | 2      | 78.0  | 7.8 | 31-1,41-1 | 0.5308 | 560.52                    | 44                  |
| Deltapine 141B2RF     | 3.1    | 1.13   | 77.8    | 27.9     | 8.8   | 1      | 80.1  | 7.8 | 31-1      | 0.5303 | 556.28                    | 45                  |
| Dyna-Gro 2383 RF      | 3.5    | 1.08   | 80.7    | 26.0     | 9.0   | 2      | 77.4  | 8.5 | 31-1      | 0.5530 | 576.23                    | 41                  |
| Stoneville 4498B2RF   | 3.5    | 1.10   | 80.9    | 27.2     | 10.0  | 2      | 77.8  | 8.5 | 31-1      | 0.5485 | 571.54                    | 42                  |
| All-Tex 65352 B2RF    | 3.8    | 1.07   | 79.7    | 25.8     | 9.4   | 2      | 75.8  | 8.3 | 31-2,41-1 | 0.5195 | 532.49                    | 47                  |
| All-Tex Apex B2RF     | 3.4    | 1.13   | 78.6    | 25.9     | 8.9   | 2      | 79.1  | 7.9 | 21-2,31-2 | 0.5548 | 563.12                    | 43                  |
| NexGen 3273 B2RF      | 3.3    | 1.07   | 78.7    | 25.7     | 9.3   | 2      | 77.3  | 8.0 | 31-1,31-2 | 0.4953 | 489.85                    | 52                  |
| Deltapine 164B2RF     | 3.3    | 1.09   | 78.6    | 25.5     | 8.5   | 1      | 78.8  | 7.8 | 31-1      | 0.5115 | 496.67                    | 50                  |
| Americot 1622 B2RF    | 3.7    | 1.18   | 81.2    | 27.2     | 9.1   | 1      | 77.0  | 7.5 | 31-2,41-1 | 0.5625 | 542.81                    | 46                  |
| Deltapine 161B2RF     | 3.3    | 1.15   | 78.7    | 26.3     | 8.5   | 2      | 78.6  | 7.9 | 31-1,31-2 | 0.5530 | 518.71                    | 49                  |
| All-Tex 65219 B2RF    | 3.7    | 1.13   | 80.3    | 25.6     | 9.3   | 2      | 76.8  | 8.2 | 31-1,31-2 | 0.5695 | 532.48                    | 48                  |
| Stoneville 4357B2RF   | 3.4    | 1.10   | 79.2    | 24.1     | 9.7   | 1      | 78.1  | 8.1 | 31-1      | 0.5340 | 496.62                    | 51                  |
| Americot 1664 B2RF    | 3.7    | 1.11   | 80.1    | 24.8     | 9.6   | 2      | 75.3  | 7.8 | 41-1      | 0.5335 | 482.28                    | 53                  |
| Dyna-Gro 2490 B2RF    | 2.9    | 1.07   | 79.6    | 24.5     | 10.1  | 2      | 78.1  | 7.8 | 31-1,31-2 | 0.4875 | 437.29                    | 55                  |
| Stoneville 4596B2RF   | 3.8    | 1.10   | 81.0    | 27.5     | 10.2  | 2      | 77.8  | 8.5 | 21-2,31-1 | 0.5455 | 466.40                    | 54                  |
| Mean                  | 3.7    | 1.11   | 80.1    | 26.6     | 9.2   | 2      | 77.5  | 8.0 |           | 0.5460 |                           |                     |
| c.v.%                 | 7.8    | 2.2    | 1.2     | 5.1      | 4.6   | 31.8   | 2.4   | 3.8 |           | 4.4    |                           |                     |
| LSD 0.05              | 0.5    | 0.04   | 1.6     | 2.6      | 0.7   | 1      | 3.2   | 0.5 |           | 0.0401 |                           |                     |

1/ Fiber quality determinations are made on samples from two reps. If the color grades from these two samples are identical, only one color grade is reported.

Table 37. Production information for irrigated performance test at Texas AgriLife Research, Pecos, TX 2007.

Test: Round-Up Ready Flex Variety Test

Planting Date: May 15

Row Spacing: 34-42 in variable (equivalent to 38in)

Planting Pattern: Solid

Herbicide: Prowl @ 2pt/A applied pre-plant

Fertilizer: None

Irrigations: 11.96 acre-in May 21            5.16 acre-in July 23  
5.98 acre-in June 12            5.16 acre-in August 16  
5.16 acre-in June 28            5.16 acre-in August 27  
5.16 acre-in July 10            43.74 total acre-inches

Insecticide: Temik @ 3.2 lbs/A at planting

Harvest Aids: Prep @ 16oz/A and Def 16oz/A October 25  
Gramoxone @ 16oz/A and Aim @ 1oz/A November 2  
Gramoxone @ 16oz/A November 12

Harvest Date: November 16

Freeze Date: November 22

Table 38. Results of the irrigated Roundup Ready Flex variety test at Texas AgriLife Research, Pecos, TX, 2007.

| Designation           | Yield | Agronomic Properties |      |        |        |           |            |            |               |                  |
|-----------------------|-------|----------------------|------|--------|--------|-----------|------------|------------|---------------|------------------|
|                       |       | % Turnout            |      | % Lint |        | Boll Size | Seed Index | Lint Index | Seed Per Boll | Storm Resistance |
|                       |       | Lint                 | Seed | Picked | Pulled |           |            |            |               |                  |
| PhytoGen 375 WRF      | 1514  | 32.4                 | 43.1 | 40.2   | 30.5   | 4.4       | 7.5        | 5.3        | 34.0          | 2.8              |
| Dyna-Gro CTO7343 RF   | 1501  | 33.7                 | 42.2 | 44.4   | 34.5   | 4.1       | 8.6        | 7.0        | 25.8          | 2.9              |
| Deltapine 174RF       | 1367  | 32.3                 | 40.9 | 42.7   | 32.4   | 4.8       | 7.0        | 5.7        | 35.6          | 3.0              |
| Stoneville 5327B2RF   | 1359  | 31.8                 | 41.7 | 38.9   | 28.2   | 3.1       | 7.8        | 5.5        | 22.1          | 2.8              |
| PhytoGen 315 RF       | 1322  | 30.0                 | 39.8 | 41.3   | 31.6   | 3.8       | 7.6        | 5.6        | 27.5          | 2.8              |
| Stoneville 5458B2RF   | 1302  | 31.7                 | 40.8 | 39.4   | 30.1   | 4.0       | 7.5        | 5.1        | 30.9          | 2.9              |
| Deltapine 164B2RF     | 1292  | 30.8                 | 46.1 | 36.6   | 29.6   | 3.4       | 7.9        | 4.8        | 25.7          | 2.8              |
| Stoneville 4498B2RF   | 1281  | 29.2                 | 38.9 | 37.3   | 27.7   | 3.3       | 6.7        | 4.5        | 27.6          | 2.7              |
| Dyna-Gro CTO7550 B2RF | 1267  | 30.7                 | 41.6 | 42.3   | 33.2   | 4.6       | 7.6        | 5.8        | 33.8          | 2.9              |
| Stoneville 5283RF     | 1267  | 28.8                 | 38.6 | 40.4   | 30.7   | 3.9       | 7.1        | 5.2        | 30.6          | 2.7              |
| Stoneville 6351B2RF   | 1228  | 30.0                 | 44.5 | 37.9   | 29.5   | 3.7       | 8.5        | 5.4        | 25.4          | 2.8              |
| Stoneville 4664RF     | 1226  | 31.8                 | 40.4 | 39.2   | 29.3   | 4.0       | 6.5        | 4.6        | 34.5          | 2.7              |
| Dyna-Gro 2383 RF      | 1204  | 27.1                 | 41.1 | 37.0   | 27.2   | 4.2       | 7.8        | 5.0        | 31.4          | 2.7              |
| Stoneville 4554B2RF   | 1193  | 29.0                 | 41.0 | 38.7   | 28.8   | 3.8       | 7.5        | 5.1        | 28.6          | 2.7              |
| Deltapine 143B2RF     | 1180  | 30.4                 | 44.7 | 39.7   | 30.7   | 3.7       | 7.1        | 5.0        | 29.7          | 2.9              |
| Stoneville 4357B2RF   | 1180  | 29.8                 | 42.9 | 38.5   | 29.3   | 4.8       | 7.6        | 5.2        | 32.0          | 2.7              |
| Stoneville 4427B2RF   | 1180  | 26.3                 | 42.5 | 36.5   | 28.0   | 4.0       | 6.7        | 4.2        | 34.2          | 2.8              |
| Dyna-Gro 2520 B2RF    | 1177  | 29.9                 | 42.1 | 39.6   | 30.3   | 3.6       | 7.6        | 5.2        | 27.5          | 2.8              |
| All-Tex 65333 RF      | 1136  | 24.8                 | 39.2 | 42.8   | 31.7   | 4.3       | 7.7        | 6.1        | 30.4          | 2.8              |
| All-Tex Titan B2RF    | 1133  | 25.4                 | 42.3 | 35.6   | 27.5   | 3.9       | 9.4        | 5.5        | 24.8          | 2.7              |
| Stoneville 4596B2RF   | 1129  | 24.4                 | 40.4 | 38.3   | 30.1   | 4.2       | 8.6        | 5.8        | 28.1          | 2.7              |
| FiberMax 1840B2F      | 1117  | 28.3                 | 41.9 | 38.7   | 30.5   | 4.4       | 9.2        | 6.3        | 27.1          | 2.9              |
| PhytoGen 745 WRF      | 1114  | 29.3                 | 40.8 | 39.5   | 28.4   | 4.0       | 7.2        | 5.1        | 30.8          | 2.8              |
| PhytoGen 755 WRF      | 1113  | 28.2                 | 44.1 | 38.1   | 28.5   | 4.3       | 8.3        | 5.4        | 30.4          | 2.7              |
| PhytoGen 485 WRF      | 1097  | 26.6                 | 41.0 | 38.1   | 29.6   | 3.4       | 7.1        | 5.0        | 27.0          | 2.7              |
| PhytoGen 725 RF       | 1091  | 26.5                 | 38.9 | 38.4   | 28.9   | 4.1       | 9.0        | 6.0        | 26.5          | 2.7              |
| All-Tex 65352 B2RF    | 1089  | 29.1                 | 42.1 | 37.2   | 26.9   | 3.5       | 7.4        | 4.7        | 27.4          | 2.7              |
| Dyna-Gro 2242 B2RF    | 1089  | 28.6                 | 41.7 | 38.7   | 25.6   | 4.4       | 7.8        | 5.3        | 31.6          | 2.8              |
| PhytoGen 425 RF       | 1084  | 25.4                 | 38.9 | 37.5   | 28.0   | 4.3       | 7.3        | 4.8        | 33.5          | 2.8              |
| Dyna-Gro 2490 B2RF    | 1072  | 27.1                 | 41.7 | 35.8   | 27.9   | 4.4       | 7.4        | 4.5        | 35.0          | 2.9              |

Table 38. Results of the irrigated Roundup Ready Flex variety test at Texas AgriLife Research, Pecos, TX, 2007.

| Designation         | Yield | Agronomic Properties |      |        |        |      |       |       |          |            |
|---------------------|-------|----------------------|------|--------|--------|------|-------|-------|----------|------------|
|                     |       | % Turnout            |      | % Lint |        | Boll | Seed  | Lint  | Seed Per | Storm      |
|                     |       | Lint                 | Seed | Picked | Pulled | Size | Index | Index | Boll     | Resistance |
| Stoneville 4678B2RF | 1072  | 29.1                 | 42.2 | 39.0   | 27.6   | 4.2  | 7.0   | 4.9   | 33.6     | 2.8        |
| FiberMax 989        | 1058  | 27.8                 | 40.5 | 40.5   | 29.1   | 3.8  | 8.3   | 5.9   | 26.2     | 2.9        |
| Deltapine 161B2RF   | 1043  | 27.6                 | 43.2 | 39.7   | 30.5   | 4.2  | 7.2   | 5.1   | 33.0     | 2.8        |
| All-Tex 65018 RF    | 1027  | 25.3                 | 41.9 | 36.8   | 28.0   | 4.1  | 8.7   | 5.3   | 28.9     | 2.8        |
| All-Tex 65027 RF    | 1005  | 26.3                 | 42.9 | 38.6   | 29.5   | 4.1  | 7.8   | 5.1   | 31.5     | 2.7        |
| Dyna-Gro 2100 B2RF  | 993   | 28.5                 | 40.6 | 38.4   | 27.9   | 3.4  | 6.8   | 4.6   | 28.5     | 2.8        |
| Deltapine 141B2RF   | 973   | 27.4                 | 43.2 | 38.7   | 29.4   | 3.6  | 7.3   | 5.0   | 28.4     | 2.9        |
| All-Tex Apex B2RF   | 959   | 28.1                 | 42.3 | 37.8   | 27.4   | 3.7  | 7.7   | 5.0   | 28.0     | 2.8        |
| Deltapine 147RF     | 925   | 25.9                 | 38.3 | 40.0   | 30.9   | 3.8  | 6.6   | 4.7   | 32.1     | 2.8        |
| All-Tex 65219 B2RF  | 913   | 25.6                 | 41.6 | 36.3   | 27.4   | 3.9  | 7.6   | 4.7   | 31.3     | 2.9        |
| FiberMax 1880B2F    | 899   | 26.3                 | 42.6 | 38.0   | 27.0   | 3.9  | 8.3   | 5.4   | 27.4     | 2.9        |
| All-Tex 65016 RF    | 881   | 24.0                 | 41.0 | 37.6   | 27.6   | 4.0  | 7.3   | 4.6   | 32.7     | 2.8        |
| All-Tex Atlas       | 844   | 27.0                 | 41.8 | 37.7   | 27.5   | 4.0  | 7.6   | 4.8   | 30.7     | 3.0        |
| Stoneville 474      | 834   | 27.0                 | 37.4 | 41.1   | 30.5   | 5.3  | 7.6   | 5.8   | 37.7     | 2.9        |
| FiberMax 840B2F     | 705   | 26.5                 | 41.9 | 38.2   | 28.0   | 3.9  | 7.6   | 4.9   | 30.4     | 3.0        |
| Mean                | 1120  | 28.2                 | 41.5 | 38.8   | 29.2   | 4.0  | 7.6   | 5.2   | 30.0     | 2.8        |
| c.v.%               | 9.4   | 4.5                  | 3.9  | 2.8    | 4.6    | 13.9 | 10.9  | 10.7  | 13.6     | 3.0        |
| LSD 0.05            | 124   | 2.1                  | 2.7  | 1.8    | 2.2    | 0.9  | 1.4   | 0.9   | 6.8      | 0.1        |

Table 38A. Results of the irrigated Roundup Ready Flex variety test at Texas AgriLife Research, Pecos, TX, 2007.

| Designation           | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|-----------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                       |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| PhytoGen 375 WRF      | 3.7             | 1.04   | 81.0            | 26.9     | 9.0             | 4             | 78.5 | 7.7 | 31-1,41-1                    | 0.5063        | 766.54                    | 3    |
| Dyna-Gro CTO7343 RF   | 4.3             | 1.06   | 81.2            | 28.9     | 10.2            | 1             | 78.5 | 8.5 | 21-2,31-1                    | 0.5470        | 821.05                    | 1    |
| Deltapine 174RF       | 4.4             | 1.09   | 81.0            | 27.5     | 8.7             | 3             | 77.6 | 8.1 | 31-1,31-2                    | 0.5663        | 774.13                    | 2    |
| Stoneville 5327B2RF   | 4.1             | 1.05   | 80.6            | 28.9     | 9.1             | 2             | 76.7 | 8.4 | 31-1,41-1                    | 0.5208        | 707.77                    | 5    |
| PhytoGen 315 RF       | 4.1             | 1.04   | 80.0            | 26.6     | 9.0             | 4             | 77.9 | 8.0 | 31-1,31-2                    | 0.5148        | 680.57                    | 7    |
| Stoneville 5458B2RF   | 4.2             | 1.03   | 79.1            | 26.0     | 8.9             | 2             | 75.6 | 8.0 | 31-2,41-1                    | 0.5050        | 657.51                    | 9    |
| Deltapine 164B2RF     | 4.2             | 1.11   | 80.7            | 28.1     | 8.3             | 2             | 78.4 | 7.5 | 31-1,41-1                    | 0.5578        | 720.68                    | 4    |
| Stoneville 4498B2RF   | 3.9             | 1.05   | 81.9            | 29.8     | 10.0            | 5             | 74.5 | 8.0 | 41-1,41-2                    | 0.4935        | 632.17                    | 16   |
| Dyna-Gro CTO7550 B2RF | 3.9             | 1.06   | 81.7            | 28.0     | 10.1            | 2             | 80.1 | 8.5 | 21-2                         | 0.5465        | 692.42                    | 6    |
| Stoneville 5283RF     | 3.9             | 1.03   | 80.9            | 28.4     | 9.5             | 4             | 76.6 | 8.2 | 31-2                         | 0.5063        | 641.48                    | 14   |
| Stoneville 6351B2RF   | 4.2             | 1.06   | 80.2            | 26.3     | 8.9             | 3             | 80.7 | 7.8 | 31-1                         | 0.5390        | 661.89                    | 8    |
| Stoneville 4664RF     | 4.2             | 1.01   | 81.0            | 27.4     | 10.4            | 3             | 73.4 | 8.4 | 41-1,41-4                    | 0.4973        | 609.69                    | 20   |
| Dyna-Gro 2383 RF      | 4.1             | 1.05   | 81.2            | 26.6     | 8.4             | 3             | 78.7 | 8.2 | 21-1,41-1                    | 0.5265        | 633.91                    | 15   |
| Stoneville 4554B2RF   | 3.6             | 1.12   | 80.9            | 27.8     | 9.2             | 3             | 78.4 | 8.0 | 31-1,31-2                    | 0.5498        | 655.91                    | 11   |
| Deltapine 143B2RF     | 3.8             | 1.09   | 79.1            | 26.3     | 8.3             | 3             | 77.1 | 7.1 | 41-1                         | 0.5345        | 630.71                    | 17   |
| Stoneville 4357B2RF   | 4.1             | 1.06   | 80.0            | 25.5     | 9.3             | 2             | 79.9 | 8.2 | 21-2                         | 0.5298        | 625.16                    | 19   |
| Stoneville 4427B2RF   | 4.1             | 1.07   | 81.2            | 28.1     | 8.5             | 3             | 75.3 | 7.7 | 31-2,41-2                    | 0.5340        | 630.12                    | 18   |
| Dyna-Gro 2520 B2RF    | 4.3             | 1.08   | 81.3            | 26.3     | 9.3             | 3             | 79.4 | 8.0 | 31-1                         | 0.5538        | 651.82                    | 13   |
| All-Tex 65333 RF      | 3.0             | 1.03   | 79.0            | 26.0     | 9.3             | 3             | 78.0 | 8.2 | 31-1,31-2                    | 0.4605        | 523.13                    | 34   |
| All-Tex Titan B2RF    | 4.1             | 1.12   | 81.8            | 28.1     | 8.7             | 2             | 80.3 | 7.7 | 21-2,31-1                    | 0.5793        | 656.35                    | 10   |
| Stoneville 4596B2RF   | 3.8             | 1.07   | 80.9            | 26.0     | 10.2            | 3             | 75.3 | 8.1 | 31-1,41-2                    | 0.4968        | 560.89                    | 26   |
| FiberMax 1840B2F      | 3.7             | 1.01   | 81.5            | 30.8     | 9.3             | 3             | 75.5 | 8.4 | 31-2,41-3                    | 0.4823        | 538.73                    | 29   |
| PhytoGen 745 WRF      | 3.7             | 1.05   | 82.3            | 30.2     | 10.0            | 3             | 77.0 | 8.0 | 31-2                         | 0.5445        | 606.57                    | 21   |
| PhytoGen 755 WRF      | 3.8             | 1.16   | 82.3            | 33.0     | 9.2             | 2             | 78.3 | 8.7 | 21-2,31-1                    | 0.5865        | 652.77                    | 12   |
| PhytoGen 485 WRF      | 3.9             | 1.06   | 81.3            | 28.5     | 10.1            | 5             | 69.5 | 7.8 | 41-3,61-1                    | 0.4868        | 534.02                    | 31   |
| PhytoGen 725 RF       | 2.8             | 1.08   | 79.6            | 29.0     | 9.0             | 4             | 75.8 | 7.8 | 31-2,41-2                    | 0.4670        | 509.50                    | 35   |
| All-Tex 65352 B2RF    | 4.2             | 1.03   | 80.3            | 26.7     | 8.8             | 3             | 77.2 | 8.0 | 31-1,31-2                    | 0.5155        | 561.38                    | 25   |
| Dyna-Gro 2242 B2RF    | 4.2             | 1.06   | 80.8            | 26.7     | 9.8             | 3             | 77.6 | 7.9 | 31-1,31-2                    | 0.5363        | 584.03                    | 23   |
| PhytoGen 425 RF       | 3.6             | 1.05   | 81.3            | 28.0     | 10.0            | 4             | 75.9 | 8.3 | 31-2,41-1                    | 0.5040        | 546.34                    | 27   |
| Dyna-Gro 2490 B2RF    | 3.6             | 1.02   | 80.6            | 27.1     | 10.1            | 3             | 77.3 | 7.4 | 31-2,41-1                    | 0.4988        | 534.71                    | 30   |

Table 38A. Results of the irrigated Roundup Ready Flex variety test at Texas AgriLife Research, Pecos, TX, 2007.

| Designation         | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                     |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| Stoneville 4678B2RF | 4.5             | 1.09   | 82.2            | 27.1     | 9.0             | 4             | 77.3 | 6.7 | 41-1                         | 0.5333        | 571.70                    | 24   |
| FiberMax 989        | 3.4             | 1.08   | 80.9            | 29.1     | 8.3             | 2             | 76.2 | 8.0 | 21-2,41-4                    | 0.5103        | 539.90                    | 28   |
| Deltapine 161B2RF   | 4.1             | 1.14   | 81.2            | 28.4     | 8.2             | 2             | 78.1 | 7.9 | 31-1,41-1                    | 0.5620        | 586.17                    | 22   |
| All-Tex 65018 RF    | 3.6             | 1.07   | 80.4            | 27.4     | 8.7             | 3             | 78.3 | 7.6 | 31-1,41-1                    | 0.5150        | 528.91                    | 32   |
| All-Tex 65027 RF    | 4.1             | 1.03   | 79.2            | 25.2     | 9.0             | 2             | 78.7 | 8.0 | 31-1                         | 0.4988        | 501.29                    | 37   |
| Dyna-Gro 2100 B2RF  | 3.4             | 1.03   | 80.9            | 26.3     | 9.6             | 4             | 75.4 | 7.8 | 41-1                         | 0.4808        | 477.43                    | 39   |
| Deltapine 141B2RF   | 4.0             | 1.07   | 79.2            | 27.8     | 8.7             | 4             | 74.7 | 7.8 | 31-2,41-2                    | 0.5183        | 504.31                    | 36   |
| All-Tex Apex B2RF   | 4.0             | 1.08   | 80.3            | 26.0     | 9.3             | 2             | 79.2 | 8.0 | 31-1                         | 0.5493        | 526.78                    | 33   |
| Deltapine 147RF     | 2.9             | 1.10   | 79.0            | 27.8     | 8.1             | 4             | 75.8 | 7.3 | 31-2,51-1                    | 0.4625        | 427.81                    | 43   |
| All-Tex 65219 B2RF  | 3.8             | 1.05   | 79.7            | 27.3     | 8.9             | 3             | 76.4 | 7.7 | 41-1                         | 0.4933        | 450.38                    | 41   |
| FiberMax 1880B2F    | 3.2             | 1.09   | 79.7            | 27.9     | 8.8             | 3             | 78.7 | 6.9 | 31-2,41-1                    | 0.5115        | 459.84                    | 40   |
| All-Tex 65016 RF    | 3.8             | 1.10   | 81.0            | 28.1     | 9.5             | 1             | 79.2 | 8.1 | 21-2,31-1                    | 0.5610        | 494.24                    | 38   |
| All-Tex Atlas       | 3.9             | 0.97   | 80.4            | 30.2     | 9.0             | 2             | 76.7 | 7.9 | 31-1,41-2                    | 0.4970        | 419.47                    | 44   |
| Stoneville 474      | 4.0             | 1.04   | 80.9            | 28.1     | 8.5             | 3             | 75.6 | 8.5 | 31-2                         | 0.5215        | 434.93                    | 42   |
| FiberMax 840B2F     | 3.2             | 1.11   | 80.9            | 29.1     | 8.6             | 3             | 78.6 | 8.0 | 31-1,31-2                    | 0.5285        | 372.59                    | 45   |
| Mean                | 3.8             | 1.06   | 80.7            | 27.7     | 9.1             | 3             | 77.2 | 7.9 |                              | 0.5210        |                           |      |
| c.v.%               | 9.7             | 2.4    | 1.1             | 4.4      | 4.4             | 34.4          | 2.5  | 5.6 |                              | 6.3           |                           |      |
| LSD 0.05            | 0.6             | 0.04   | 1.5             | 2.1      | 0.7             | 1             | 3.3  | 0.7 |                              | 0.0555        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grade from these two samples are identical, only one color grade is reported.

Table 39. Production information for dryland performance test at the AG-CARES Farm, Lamesa, TX 2007.

|                   |   |
|-------------------|---|
| Test:             | Round-Up Ready Flex Variety Test  |
| Planting Date:    | May 21  |
| Row Spacing:      | 40in  |
| Planting Pattern: | Solid   |
| Herbicide:        | Trifluralin @ 1.3pt/A applied pre-plant   |
| Fertilizer:       | 32-0-0 30lbs/A applied pre-plant  |
| Irrigations:      | 21.91 inches rainfall (Jan-Oct)   |
| Insecticide:      | Temik @ 3.5 lbs/A at planting<br>Intruder @ 1oz/A plus 1% crop oil applied June 20 (applied by air)               |
| Harvest Aids:     | Bolld @ 21oz/A and Def @ 12oz/A October 11 (applied by air)<br>Gramoxone max @ 16oz/A November 1 (applied by air) |
| Harvest Date:     | November 10   |
| Freeze Date:      | November 15   |

Table 40. Results of the dryland Roundup Ready Flex variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation           | Yield | Agronomic Properties |      |        |        |      |       |       |          | % Open<br>Bolls<br>10/9/07 | Storm<br>Resistance |
|-----------------------|-------|----------------------|------|--------|--------|------|-------|-------|----------|----------------------------|---------------------|
|                       |       | % Turnout            |      | % Lint |        | Boll | Seed  | Lint  | Seed Per |                            |                     |
|                       |       | Lint                 | Seed | Picked | Pulled | Size | Index | Index | Boll     |                            |                     |
| Dyna-Gro CTO7343 RF   | 1330  | 34.0                 | 42.6 | 44.5   | 33.1   | 5.3  | 9.2   | 7.8   | 29.8     | 69                         | 2.3                 |
| Stoneville 5458B2RF   | 1317  | 35.1                 | 45.7 | 41.8   | 33.4   | 5.4  | 9.3   | 7.1   | 31.5     | 61                         | 2.5                 |
| Dyna-Gro CTO7550 B2RF | 1314  | 35.4                 | 44.3 | 43.2   | 32.8   | 5.2  | 9.8   | 8.0   | 28.2     | 78                         | 2.4                 |
| All-Tex 65333 RF      | 1278  | 35.4                 | 42.5 | 43.8   | 33.6   | 5.2  | 9.5   | 8.0   | 28.5     | 70                         | 2.6                 |
| Stoneville 5327B2RF   | 1217  | 32.4                 | 41.6 | 42.9   | 31.6   | 4.5  | 8.8   | 6.9   | 27.9     | 66                         | 2.1                 |
| Stoneville 4664RF     | 1203  | 33.2                 | 43.0 | 42.4   | 30.6   | 4.9  | 9.1   | 7.2   | 28.6     | 63                         | 2.0                 |
| Stoneville 4498B2RF   | 1182  | 32.4                 | 44.7 | 40.4   | 30.5   | 5.2  | 9.4   | 6.8   | 28.3     | 71                         | 2.3                 |
| Dyna-Gro 2242 B2RF    | 1168  | 30.5                 | 33.9 | 40.7   | 29.5   | 4.3  | 9.5   | 6.9   | 25.0     | 86                         | 2.3                 |
| Dyna-Gro 2383 RF      | 1160  | 31.4                 | 46.2 | 39.4   | 29.1   | 4.3  | 8.8   | 6.1   | 27.6     | 76                         | 2.1                 |
| Stoneville 4427B2RF   | 1154  | 30.4                 | 42.2 | 39.4   | 29.7   | 4.7  | 9.1   | 6.4   | 29.0     | 66                         | 1.9                 |
| Stoneville 4596B2RF   | 1131  | 31.3                 | 46.2 | 38.4   | 28.4   | 4.9  | 10.1  | 6.9   | 27.4     | 72                         | 2.5                 |
| PhytoGen 485 WRF      | 1116  | 30.6                 | 44.1 | 39.6   | 28.5   | 4.3  | 9.1   | 6.6   | 26.0     | 53                         | 2.1                 |
| FiberMax 9058F        | 1103  | 31.0                 | 42.0 | 41.3   | 30.8   | 5.2  | 10.5  | 7.8   | 27.6     | 66                         | 3.2                 |
| All-Tex Summit B2RF   | 1092  | 30.8                 | 45.9 | 39.3   | 28.1   | 5.0  | 9.7   | 6.8   | 28.9     | 79                         | 2.6                 |
| FiberMax 1740B2F      | 1090  | 33.2                 | 41.8 | 42.7   | 34.9   | 5.7  | 8.9   | 7.2   | 33.7     | 60                         | 2.7                 |
| PhytoGen 315 RF       | 1065  | 30.8                 | 41.5 | 44.2   | 32.9   | 4.7  | 8.9   | 7.4   | 27.8     | 72                         | 2.3                 |
| FiberMax 9150F        | 1055  | 31.6                 | 41.4 | 42.3   | 31.8   | 4.3  | 9.9   | 7.7   | 30.5     | 83                         | 3.3                 |
| All-Tex 55066 B2RF    | 1054  | 29.8                 | 42.4 | 39.7   | 28.5   | 4.4  | 9.1   | 6.5   | 26.5     | 71                         | 2.7                 |
| Stoneville 5283RF     | 1049  | 28.3                 | 37.7 | 43.1   | 32.0   | 4.8  | 8.7   | 7.0   | 29.4     | 66                         | 1.9                 |
| PhytoGen 425 RF       | 1045  | 30.2                 | 41.0 | 39.1   | 27.5   | 4.4  | 9.7   | 7.0   | 24.6     | 66                         | 2.2                 |
| Stoneville 6351B2RF   | 1045  | 31.1                 | 44.6 | 38.4   | 29.2   | 4.8  | 10.0  | 6.7   | 27.7     | 84                         | 2.0                 |
| Stoneville 4357B2RF   | 1039  | 29.7                 | 43.3 | 41.3   | 29.2   | 4.8  | 10.4  | 7.8   | 25.6     | 57                         | 2.3                 |
| FiberMax 1880B2F      | 1033  | 31.1                 | 48.1 | 39.8   | 31.1   | 5.0  | 9.5   | 6.6   | 29.9     | 78                         | 2.3                 |
| All-Tex 65352 B2RF    | 1022  | 29.8                 | 43.6 | 39.7   | 28.8   | 4.7  | 9.3   | 6.6   | 28.0     | 88                         | 2.5                 |
| Stoneville 4678B2RF   | 1021  | 30.2                 | 45.8 | 39.5   | 29.3   | 4.8  | 10.4  | 7.1   | 26.4     | 58                         | 2.1                 |
| All-Tex 65219 B2RF    | 1020  | 28.3                 | 44.2 | 40.4   | 30.3   | 4.7  | 9.6   | 6.8   | 27.6     | 81                         | 2.4                 |
| PhytoGen 375 WRF      | 1017  | 29.7                 | 39.8 | 42.1   | 31.5   | 4.9  | 9.3   | 7.4   | 27.5     | 79                         | 2.0                 |
| Dyna-Gro 2100 B2RF    | 1013  | 29.6                 | 45.1 | 39.7   | 29.4   | 5.2  | 8.9   | 6.2   | 32.9     | 63                         | 2.3                 |
| NexGen 3348 B2RF      | 1013  | 31.2                 | 44.4 | 40.3   | 30.9   | 5.5  | 10.4  | 7.6   | 29.0     | 77                         | 3.0                 |
| Americot 1532B2RF     | 1009  | 29.9                 | 43.5 | 42.2   | 31.2   | 4.9  | 9.3   | 7.1   | 29.0     | 83                         | 2.3                 |



Table 40. Results of the dryland Roundup Ready Flex variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation           | Yield | Agronomic Properties |      |        |        |      |       |       |          | % Open<br>Bolls<br>10/9/07 | Storm<br>Resistance |
|-----------------------|-------|----------------------|------|--------|--------|------|-------|-------|----------|----------------------------|---------------------|
|                       |       | % Turnout            |      | % Lint |        | Boll | Seed  | Lint  | Seed Per |                            |                     |
|                       |       | Lint                 | Seed | Picked | Pulled | Size | Index | Index | Boll     |                            |                     |
| All-Tex Apex B2RF     | 1007  | 30.1                 | 41.9 | 40.7   | 29.0   | 4.6  | 9.3   | 6.8   | 27.4     | 78                         | 2.5                 |
| Dyna-Gro 2520 B2RF    | 1007  | 30.6                 | 42.3 | 40.6   | 30.0   | 4.7  | 9.2   | 6.7   | 28.6     | 67                         | 2.3                 |
| Dyna-Gro 2490 B2RF    | 988   | 27.5                 | 42.9 | 38.9   | 28.8   | 4.9  | 10.2  | 6.8   | 27.4     | 79                         | 2.7                 |
| FiberMax 9063B2F      | 984   | 29.3                 | 42.7 | 40.8   | 29.0   | 5.3  | 10.8  | 7.9   | 27.6     | 84                         | 3.1                 |
| Stoneville 4554B2RF   | 973   | 32.4                 | 43.8 | 40.9   | 31.1   | 4.8  | 9.2   | 6.8   | 28.6     | 48                         | 2.3                 |
| AFD 5064F             | 970   | 29.2                 | 44.1 | 40.0   | 30.8   | 5.4  | 10.3  | 7.3   | 29.7     | 62                         | 3.6                 |
| NexGen 3550 RF        | 934   | 30.1                 | 44.6 | 38.8   | 29.1   | 5.1  | 9.3   | 6.3   | 31.3     | 82                         | 3.2                 |
| NexGen 2549 B2RF      | 878   | 31.2                 | 43.6 | 39.5   | 30.1   | 4.4  | 9.3   | 6.5   | 26.8     | 78                         | 3.5                 |
| AFD 5065B2F           | 850   | 27.5                 | 45.5 | 37.1   | 28.6   | 4.7  | 10.5  | 6.6   | 26.7     | 77                         | 3.6                 |
| All-Tex 65016 RF      | 830   | 27.7                 | 43.0 | 39.5   | 29.0   | 5.0  | 9.4   | 6.4   | 30.7     | 70                         | 2.5                 |
| All-Tex Marathon B2RF | 813   | 26.8                 | 43.6 | 38.2   | 28.3   | 5.5  | 9.7   | 6.4   | 32.8     | 74                         | 2.7                 |
| NexGen 3410 RF        | 803   | 29.7                 | 42.2 | 40.4   | 30.3   | 5.4  | 10.7  | 7.8   | 28.0     | 72                         | 3.2                 |
| All-Tex 45001 RF      | 789   | 26.3                 | 42.0 | 38.3   | 28.0   | 5.5  | 10.7  | 7.1   | 30.1     | 58                         | 3.2                 |
| All-Tex Arid B2RF     | 748   | 27.5                 | 46.5 | 35.6   | 27.8   | 5.8  | 11.0  | 6.5   | 31.7     | 72                         | 3.5                 |
| Mean                  | 1044  | 30.5                 | 43.2 | 40.4   | 30.2   | 4.9  | 9.6   | 7.0   | 28.7     | 72                         | 2.6                 |
| c.v.%                 | 10.2  | 4.0                  | 5.8  | 2.0    | 3.9    | 7.6  | 5.0   | 4.9   | 8.9      | 18.5                       | 11.9                |
| LSD 0.05              | 125   | 2.1                  | 4.2  | 1.3    | 2.0    | 0.6  | 0.8   | 0.6   | 4.3      | 24                         | 0.4                 |

Table 40A. Results of the dryland Roundup Ready Flex variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation           | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|-----------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                       |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| Dyna-Gro CTO7343 RF   | 4.6             | 1.09   | 82.3            | 27.2     | 10.4            | 1             | 78.3 | 8.1 | 31-1                         | 0.5665        | 753.45                    | 1    |
| Stoneville 5458B2RF   | 5.0             | 1.08   | 80.2            | 26.8     | 8.3             | 3             | 77.7 | 7.9 | 31-1,41-1                    | 0.5158        | 679.31                    | 5    |
| Dyna-Gro CTO7550 B2RF | 4.8             | 1.08   | 81.0            | 26.8     | 10.0            | 2             | 76.8 | 8.4 | 31-1,31-4                    | 0.5538        | 727.69                    | 2    |
| All-Tex 65333 RF      | 4.9             | 1.09   | 81.6            | 26.0     | 10.7            | 2             | 77.4 | 8.2 | 31-1,31-2                    | 0.5580        | 713.12                    | 3    |
| Stoneville 5327B2RF   | 4.6             | 1.10   | 82.2            | 27.2     | 9.7             | 3             | 77.5 | 8.5 | 31-1                         | 0.5698        | 693.45                    | 4    |
| Stoneville 4664RF     | 5.0             | 1.07   | 81.6            | 28.3     | 10.5            | 2             | 73.5 | 8.6 | 41-1,42-1                    | 0.5040        | 606.31                    | 11   |
| Stoneville 4498B2RF   | 4.8             | 1.09   | 82.7            | 30.3     | 10.6            | 2             | 77.2 | 8.4 | 31-1,31-2                    | 0.5700        | 673.74                    | 6    |
| Dyna-Gro 2242 B2RF    | 4.6             | 1.09   | 82.0            | 25.5     | 9.5             | 3             | 74.9 | 7.5 | 41-1                         | 0.5338        | 623.48                    | 9    |
| Dyna-Gro 2383 RF      | 4.5             | 1.09   | 81.9            | 27.2     | 8.7             | 4             | 75.8 | 7.6 | 41-1                         | 0.5295        | 614.22                    | 10   |
| Stoneville 4427B2RF   | 4.7             | 1.11   | 82.4            | 27.7     | 8.6             | 2             | 76.9 | 7.8 | 31-1,41-1                    | 0.5570        | 642.78                    | 8    |
| Stoneville 4596B2RF   | 4.8             | 1.13   | 82.6            | 28.4     | 9.9             | 2             | 79.6 | 8.1 | 31-1                         | 0.5758        | 651.23                    | 7    |
| PhytoGen 485 WRF      | 4.9             | 1.09   | 82.8            | 27.3     | 10.6            | 3             | 76.9 | 7.9 | 31-2,41-1                    | 0.5350        | 597.06                    | 14   |
| FiberMax 9058F        | 4.8             | 1.05   | 79.6            | 26.0     | 8.9             | 2             | 77.6 | 8.2 | 31-1,32-1                    | 0.5068        | 559.00                    | 28   |
| All-Tex Summit B2RF   | 4.5             | 1.06   | 82.4            | 25.8     | 9.5             | 2             | 78.4 | 7.8 | 31-1,31-2                    | 0.5348        | 584.00                    | 19   |
| FiberMax 1740B2F      | 4.7             | 1.09   | 82.1            | 27.3     | 9.0             | 4             | 76.9 | 7.1 | 41-1                         | 0.5228        | 569.85                    | 26   |
| PhytoGen 315 RF       | 4.2             | 1.08   | 80.4            | 26.9     | 9.3             | 2             | 79.1 | 8.2 | 31-1                         | 0.5548        | 590.86                    | 16   |
| FiberMax 9150F        | 4.4             | 1.14   | 80.8            | 28.3     | 7.4             | 3             | 78.5 | 7.0 | 31-2,41-1                    | 0.5590        | 589.75                    | 17   |
| All-Tex 55066 B2RF    | 4.6             | 1.09   | 81.3            | 26.0     | 10.1            | 3             | 78.7 | 8.1 | 21-2,31-2                    | 0.5548        | 584.76                    | 18   |
| Stoneville 5283RF     | 4.4             | 1.09   | 82.1            | 29.4     | 9.7             | 2             | 79.0 | 7.9 | 31-1                         | 0.5700        | 597.93                    | 12   |
| PhytoGen 425 RF       | 4.9             | 1.10   | 83.2            | 28.7     | 10.3            | 2             | 75.4 | 8.1 | 41-1,31-2                    | 0.5565        | 581.54                    | 20   |
| Stoneville 6351B2RF   | 4.6             | 1.08   | 80.4            | 27.8     | 9.4             | 2             | 79.6 | 7.7 | 31-1                         | 0.5538        | 578.72                    | 21   |
| Stoneville 4357B2RF   | 4.5             | 1.11   | 81.0            | 26.6     | 9.5             | 1             | 79.6 | 7.9 | 21-2,31-1                    | 0.5738        | 596.18                    | 15   |
| FiberMax 1880B2F      | 4.1             | 1.14   | 81.2            | 28.4     | 9.1             | 1             | 81.3 | 7.3 | 31-1                         | 0.5783        | 597.38                    | 13   |
| All-Tex 65352 B2RF    | 4.7             | 1.06   | 80.9            | 26.0     | 8.8             | 3             | 74.0 | 8.0 | 41-1,41-4                    | 0.5243        | 535.83                    | 34   |
| Stoneville 4678B2RF   | 4.8             | 1.13   | 82.4            | 29.1     | 9.2             | 3             | 79.6 | 6.9 | 31-1,41-1                    | 0.5615        | 573.29                    | 22   |
| All-Tex 65219 B2RF    | 4.5             | 1.12   | 80.2            | 27.2     | 8.8             | 4             | 75.4 | 7.3 | 41-1,41-2                    | 0.5365        | 547.23                    | 32   |
| PhytoGen 375 WRF      | 4.6             | 1.07   | 81.7            | 25.3     | 9.1             | 3             | 77.6 | 7.8 | 31-1,41-1                    | 0.5150        | 523.76                    | 36   |
| Dyna-Gro 2100 B2RF    | 4.6             | 1.08   | 82.4            | 26.5     | 9.2             | 2             | 79.2 | 8.2 | 31-1                         | 0.5638        | 571.13                    | 24   |
| NexGen 3348 B2RF      | 4.4             | 1.10   | 81.6            | 26.8     | 8.5             | 3             | 77.9 | 7.6 | 31-1,41-1                    | 0.5513        | 558.47                    | 29   |
| Americot 1532B2RF     | 4.4             | 1.13   | 81.1            | 24.6     | 9.3             | 4             | 76.8 | 7.7 | 31-1,41-2                    | 0.5480        | 552.93                    | 30   |

Table 40A. Results of the dryland Roundup Ready Flex variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation           | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|-----------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                       |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| All-Tex Apex B2RF     | 4.5             | 1.10   | 80.9            | 26.4     | 9.1             | 1             | 79.0 | 7.8 | 31-1                         | 0.5668        | 570.77                    | 25   |
| Dyna-Gro 2520 B2RF    | 4.3             | 1.13   | 81.6            | 25.2     | 9.1             | 3             | 78.1 | 7.9 | 21-1,41-1                    | 0.5553        | 559.19                    | 27   |
| Dyna-Gro 2490 B2RF    | 4.0             | 1.07   | 81.5            | 27.2     | 10.3            | 3             | 80.2 | 7.5 | 31-1                         | 0.5548        | 548.14                    | 31   |
| FiberMax 9063B2F      | 4.3             | 1.15   | 80.9            | 29.5     | 8.4             | 2             | 80.8 | 7.0 | 31-1                         | 0.5808        | 571.51                    | 23   |
| Stoneville 4554B2RF   | 5.0             | 1.09   | 81.8            | 29.3     | 10.0            | 2             | 77.2 | 8.1 | 31-2                         | 0.5593        | 544.20                    | 33   |
| AFD 5064F             | 4.4             | 1.08   | 81.3            | 28.9     | 9.1             | 3             | 78.4 | 7.1 | 41-1                         | 0.5353        | 519.24                    | 37   |
| NexGen 3550 RF        | 4.4             | 1.09   | 80.4            | 28.9     | 9.1             | 2             | 81.1 | 7.5 | 21-2,31-1                    | 0.5695        | 531.91                    | 35   |
| NexGen 2549 B2RF      | 4.4             | 1.01   | 81.8            | 27.6     | 9.6             | 4             | 75.1 | 7.9 | 31-2,41-2                    | 0.4993        | 438.39                    | 42   |
| AFD 5065B2F           | 4.2             | 1.12   | 81.1            | 27.3     | 9.4             | 1             | 79.2 | 7.4 | 31-2                         | 0.5728        | 486.88                    | 38   |
| All-Tex 65016 RF      | 4.6             | 1.14   | 81.9            | 26.7     | 9.6             | 2             | 79.1 | 7.7 | 31-1,31-2                    | 0.5723        | 475.01                    | 39   |
| All-Tex Marathon B2RF | 4.3             | 1.08   | 81.7            | 25.4     | 9.9             | 2             | 79.8 | 7.1 | 31-1,31-2                    | 0.5623        | 457.15                    | 41   |
| NexGen 3410 RF        | 4.0             | 1.14   | 81.7            | 28.5     | 8.3             | 3             | 79.3 | 7.9 | 31-1                         | 0.5760        | 462.53                    | 40   |
| All-Tex 45001 RF      | 4.4             | 1.04   | 82.7            | 32.0     | 9.2             | 2             | 78.1 | 7.8 | 31-1,31-2                    | 0.5270        | 415.80                    | 43   |
| All-Tex Arid B2RF     | 4.3             | 1.06   | 81.0            | 28.4     | 9.1             | 3             | 79.9 | 7.4 | 31-1,31-2                    | 0.5403        | 404.14                    | 44   |
| Mean                  | 4.5             | 1.09   | 81.5            | 27.4     | 9.4             | 2             | 78.0 | 7.8 |                              | 0.5500        |                           |      |
| c.v.%                 | 4.6             | 2.4    | 0.9             | 4.9      | 4.2             | 34.3          | 2.2  | 5.5 |                              | 3.8           |                           |      |
| LSD 0.05              | 0.4             | 0.04   | 1.2             | 2.2      | 0.7             | 1             | 2.9  | 0.7 |                              | 0.0351        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the two color grades from these two samples are identical, only one color grade is reported.

Table 41. Production information for dryland performance test at Texas AgriLife Research, Halfway, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | Round-Up Ready Flex Variety Test   |
| Planting Date:    | May 17   |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Treflan 1 ¼ pt/A applied pre-plant   |
| Fertilizer:       | 40-0-0 lbs/A applied pre-plant   |
| Irrigations:      | 21.02 in rainfall (Jan-Oct)  |
| Insecticide:      | Temik @ 3.2 lbs/A at planting  |
| Harvest Aids:     | Prep @ 32oz/A and Def 6 16oz/A October 16<br>Gramoxone @ 24oz/A October 29 |
| Harvest Date:     | November 5   |
| Freeze Date:      | October 23   |

Table 42. Results of the dryland Roundup Ready Flex variety test at Texas AgriLife Research, Halfway, TX, 2007.

| Designation           | Yield | Agronomic Properties |      |        |        |           |            |            |               |                  |
|-----------------------|-------|----------------------|------|--------|--------|-----------|------------|------------|---------------|------------------|
|                       |       | % Turnout            |      | % Lint |        | Boll Size | Seed Index | Lint Index | Seed Per Boll | Storm Resistance |
|                       |       | Lint                 | Seed | Picked | Pulled |           |            |            |               |                  |
| Dyna-Gro CTO7550 B2RF | 493   | 32.4                 | 42.5 | 44.0   | 32.9   | 5.9       | 9.3        | 7.7        | 33.5          | 2.7              |
| Stoneville 4498B2RF   | 437   | 30.4                 | 41.9 | 41.2   | 31.0   | 5.6       | 9.1        | 7.0        | 33.4          | 2.6              |
| FiberMax 9058F        | 435   | 32.4                 | 40.9 | 42.6   | 31.4   | 5.1       | 9.8        | 7.8        | 28.0          | 2.8              |
| PhytoGen 375 WRF      | 435   | 33.4                 | 40.7 | 43.9   | 32.1   | 4.8       | 9.1        | 7.6        | 27.5          | 2.3              |
| Stoneville 4664RF     | 430   | 30.5                 | 41.3 | 42.6   | 32.0   | 5.1       | 9.0        | 7.2        | 30.4          | 2.5              |
| AFD 5065B2F           | 425   | 31.9                 | 45.4 | 41.0   | 29.8   | 4.7       | 9.0        | 6.7        | 28.5          | 2.7              |
| Dyna-Gro CTO7343 RF   | 421   | 33.8                 | 41.2 | 44.3   | 32.9   | 5.4       | 8.6        | 7.3        | 33.0          | 2.6              |
| Stoneville 5327B2RF   | 419   | 30.3                 | 39.9 | 40.4   | 32.1   | 4.9       | 8.9        | 7.4        | 28.9          | 2.5              |
| Deltapine 143B2RF     | 411   | 30.4                 | 42.2 | 40.9   | 30.5   | 4.5       | 8.9        | 6.6        | 27.9          | 2.6              |
| NexGen 2549 B2RF      | 409   | 31.5                 | 42.7 | 40.6   | 30.8   | 4.5       | 9.1        | 6.7        | 27.4          | 3.0              |
| Stoneville 5283RF     | 405   | 30.1                 | 39.0 | 41.7   | 30.3   | 4.6       | 8.7        | 6.8        | 28.1          | 2.5              |
| All-Tex 65333 RF      | 404   | 32.7                 | 40.0 | 44.5   | 32.7   | 5.1       | 8.9        | 7.6        | 29.7          | 2.6              |
| FiberMax 9150F        | 399   | 32.3                 | 40.0 | 43.3   | 33.7   | 5.7       | 9.3        | 7.7        | 32.4          | 2.8              |
| NexGen 3410 RF        | 395   | 31.9                 | 41.4 | 43.1   | 33.1   | 5.2       | 9.8        | 7.2        | 28.4          | 2.8              |
| NexGen 3348 B2RF      | 385   | 29.9                 | 41.3 | 41.0   | 30.8   | 5.2       | 10.0       | 7.5        | 28.4          | 2.7              |
| Dyna-Gro 2242 B2RF    | 384   | 28.4                 | 38.8 | 41.0   | 29.0   | 4.1       | 8.5        | 6.4        | 26.0          | 2.5              |
| Stoneville 4357B2RF   | 379   | 30.1                 | 41.1 | 41.8   | 28.7   | 4.8       | 8.9        | 6.9        | 29.3          | 2.5              |
| All-Tex Apex B2RF     | 374   | 29.4                 | 42.4 | 41.3   | 30.4   | 4.9       | 9.3        | 7.1        | 28.5          | 2.7              |
| Dyna-Gro 2490 B2RF    | 372   | 31.3                 | 40.6 | 38.7   | 28.8   | 4.9       | 9.0        | 6.2        | 30.4          | 2.6              |
| FiberMax 1740B2F      | 372   | 30.4                 | 37.6 | 44.8   | 34.1   | 5.6       | 9.0        | 7.8        | 32.2          | 2.6              |
| Stoneville 4678B2RF   | 372   | 30.4                 | 43.5 | 39.0   | 29.1   | 4.5       | 9.9        | 6.8        | 25.4          | 2.5              |
| All-Tex Summit B2RF   | 371   | 28.7                 | 43.2 | 41.2   | 30.4   | 5.2       | 9.4        | 7.0        | 31.0          | 2.5              |
| AFD 5064F             | 370   | 30.4                 | 45.6 | 39.4   | 30.5   | 4.9       | 9.2        | 6.4        | 30.0          | 2.9              |
| Stoneville 4554B2RF   | 368   | 30.1                 | 43.9 | 41.2   | 30.6   | 4.9       | 9.2        | 7.0        | 28.8          | 2.6              |
| Stoneville 4596B2RF   | 366   | 30.4                 | 43.0 | 39.9   | 29.9   | 4.8       | 9.1        | 6.6        | 28.8          | 2.6              |
| Stoneville 4427B2RF   | 364   | 29.4                 | 39.3 | 41.5   | 31.3   | 4.8       | 8.8        | 6.7        | 29.3          | 2.4              |
| PhytoGen 315 RF       | 362   | 31.0                 | 38.2 | 43.8   | 32.5   | 4.4       | 8.8        | 7.4        | 25.8          | 2.4              |
| All-Tex Marathon B2RF | 360   | 28.6                 | 44.6 | 39.0   | 28.6   | 5.1       | 9.2        | 6.3        | 31.0          | 2.6              |
| Dyna-Gro 2100 B2RF    | 357   | 29.1                 | 42.3 | 40.5   | 30.3   | 4.7       | 9.6        | 7.0        | 27.3          | 2.5              |
| Dyna-Gro 2383 RF      | 355   | 29.9                 | 41.1 | 40.7   | 29.4   | 4.3       | 8.8        | 6.6        | 26.2          | 2.4              |

Table 42. Results of the dryland Roundup Ready Flex variety test at Texas AgriLife Research, Halfway, TX, 2007.

| Designation        | Yield | Agronomic Properties |      |        |        |      |       |       |          |            |
|--------------------|-------|----------------------|------|--------|--------|------|-------|-------|----------|------------|
|                    |       | % Turnout            |      | % Lint |        | Boll | Seed  | Lint  | Seed Per | Storm      |
|                    |       | Lint                 | Seed | Picked | Pulled | Size | Index | Index | Boll     | Resistance |
| NexGen 3550 RF     | 354   | 28.7                 | 42.7 | 40.4   | 30.0   | 4.5  | 9.1   | 6.7   | 27.6     | 2.6        |
| All-Tex 65219 B2RF | 353   | 28.9                 | 43.0 | 40.0   | 29.7   | 5.3  | 9.2   | 6.7   | 31.9     | 2.6        |
| NexGen 2448 R      | 344   | 30.0                 | 45.6 | 39.7   | 30.2   | 5.6  | 9.6   | 6.7   | 33.5     | 3.1        |
| Dyna-Gro 2520 B2RF | 334   | 30.2                 | 37.8 | 41.6   | 30.1   | 4.5  | 8.8   | 6.8   | 27.6     | 2.5        |
| All-Tex 65016 RF   | 320   | 28.7                 | 43.5 | 38.2   | 26.9   | 4.5  | 9.3   | 6.1   | 27.9     | 2.4        |
| PhytoGen 425 RF    | 311   | 27.6                 | 40.7 | 40.2   | 28.8   | 4.2  | 8.9   | 6.5   | 25.6     | 2.3        |
| Deltapine 121RF    | 308   | 30.3                 | 36.1 | 43.5   | 31.3   | 4.7  | 8.8   | 7.2   | 28.7     | 2.3        |
| PhytoGen 485 WRF   | 299   | 28.0                 | 39.3 | 38.8   | 28.0   | 3.9  | 8.7   | 6.1   | 24.9     | 2.4        |
| Deltapine 141 B2RF | 277   | 28.0                 | 40.6 | 41.0   | 30.7   | 5.0  | 8.4   | 6.3   | 32.6     | 2.7        |
| All-Tex 65352 B2RF | 272   | 27.4                 | 39.3 | 40.2   | 29.2   | 4.9  | 9.1   | 6.6   | 29.6     | 2.5        |
| Mean               | 375   | 30.2                 | 41.4 | 41.3   | 30.6   | 4.9  | 9.1   | 6.9   | 29.1     | 2.6        |
| c.v.%              | 13.6  | 4.8                  | 5.7  | 1.6    | 3.6    | 8.0  | 3.2   | 5.5   | 8.0      | 5.0        |
| LSD 0.05           | 70    | 2.0                  | 3.2  | 0.9    | 1.5    | 0.5  | 0.4   | 0.5   | 3.2      | 0.2        |

Table 42A. Results of the dryland Roundup Ready Flex variety test at Texas AgriLife Research, Halfway, TX, 2007.

| Designation           | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|-----------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                       |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| Dyna-Gro CTO7550 B2RF | 4.9             | 1.03   | 81.0            | 27.2     | 9.8             | 1             | 77.6 | 9.3 | 21-1,21-3,31-3               | 0.5138        | 253.30                    | 1    |
| Stoneville 4498B2RF   | 5.0             | 1.05   | 81.7            | 30.9     | 10.0            | 3             | 75.9 | 9.0 | 31-2,31-3                    | 0.5225        | 228.33                    | 3    |
| FiberMax 9058F        | 4.8             | 1.05   | 79.6            | 27.2     | 7.5             | 2             | 79.4 | 8.2 | 21-2,31-1                    | 0.5425        | 235.99                    | 2    |
| PhytoGen 375 WRF      | 5.1             | 1.02   | 81.0            | 27.1     | 8.7             | 2             | 75.7 | 9.0 | 31-1,31-3,32-2               | 0.4937        | 214.76                    | 5    |
| Stoneville 4664RF     | 5.1             | 1.00   | 80.4            | 27.4     | 10.1            | 2             | 75.5 | 9.1 | 31-1,31-3,31-4               | 0.4853        | 208.68                    | 10   |
| AFD 5065B2F           | 4.8             | 1.00   | 80.4            | 27.9     | 8.7             | 4             | 74.0 | 8.5 | 41-1,41-3                    | 0.4870        | 206.98                    | 11   |
| Dyna-Gro CTO7343 RF   | 4.9             | 1.00   | 81.0            | 27.7     | 9.7             | 1             | 77.8 | 9.5 | 21-3,21-4                    | 0.5025        | 211.55                    | 8    |
| Stoneville 5327B2RF   | 5.0             | 1.04   | 81.6            | 29.7     | 9.2             | 2             | 76.4 | 9.0 | 21-4,31-2,31-3               | 0.5082        | 212.94                    | 6    |
| Deltapine 143B2RF     | 4.7             | 1.08   | 79.7            | 26.8     | 8.6             | 4             | 74.9 | 8.4 | 31-2,31-3,41-2               | 0.5153        | 211.79                    | 7    |
| NexGen 2549 B2RF      | 4.6             | 0.95   | 80.5            | 29.0     | 9.2             | 3             | 74.9 | 8.6 | 31-2,31-4,41-1               | 0.4855        | 198.57                    | 17   |
| Stoneville 5283RF     | 4.9             | 1.04   | 81.1            | 28.4     | 9.3             | 3             | 75.5 | 9.2 | 31-3,31-4                    | 0.5170        | 209.39                    | 9    |
| All-Tex 65333 RF      | 5.0             | 1.00   | 80.0            | 26.4     | 9.8             | 1             | 77.1 | 9.3 | 21-4,31-3                    | 0.5030        | 203.21                    | 13   |
| FiberMax 9150F        | 4.9             | 1.05   | 79.6            | 28.3     | 7.2             | 3             | 75.6 | 8.4 | 31-3,41-1                    | 0.5012        | 199.98                    | 15   |
| NexGen 3410 RF        | 4.3             | 1.08   | 79.6            | 27.8     | 8.0             | 2             | 76.7 | 8.9 | 31-1,31-3                    | 0.5558        | 219.54                    | 4    |
| NexGen 3348 B2RF      | 4.4             | 1.05   | 80.3            | 26.7     | 8.4             | 3             | 76.1 | 8.5 | 31-2,31-4                    | 0.5263        | 202.63                    | 14   |
| Dyna-Gro 2242 B2RF    | 4.8             | 1.02   | 81.0            | 25.3     | 9.6             | 4             | 74.8 | 8.5 | 31-2,41-4                    | 0.4962        | 190.54                    | 19   |
| Stoneville 4357B2RF   | 4.8             | 1.06   | 80.6            | 26.1     | 8.7             | 2             | 77.6 | 9.1 | 21-2                         | 0.5438        | 206.10                    | 12   |
| All-Tex Apex B2RF     | 4.8             | 1.07   | 80.6            | 25.2     | 8.5             | 2             | 74.8 | 8.8 | 31-2,31-4,41-3               | 0.5318        | 198.89                    | 16   |
| Dyna-Gro 2490 B2RF    | 4.7             | 1.02   | 81.2            | 26.9     | 9.5             | 3             | 75.9 | 9.2 | 31-1,31-3                    | 0.5020        | 186.74                    | 22   |
| FiberMax 1740B2F      | 5.2             | 1.03   | 81.1            | 27.9     | 8.6             | 1             | 77.6 | 8.6 | 31-1,31-2                    | 0.5073        | 188.72                    | 20   |
| Stoneville 4678B2RF   | 5.2             | 1.07   | 81.6            | 28.1     | 8.6             | 3             | 74.5 | 7.6 | 31-2,41-1,51-1               | 0.4975        | 185.07                    | 23   |
| All-Tex Summit B2RF   | 4.6             | 1.05   | 81.6            | 26.7     | 9.1             | 2             | 78.6 | 8.5 | 21-2,31-1                    | 0.5258        | 195.07                    | 18   |
| AFD 5064F             | 4.5             | 1.03   | 79.3            | 27.9     | 8.8             | 3             | 77.4 | 8.0 | 31-1,31-2,41-1               | 0.5085        | 188.15                    | 21   |
| Stoneville 4554B2RF   | 5.1             | 1.03   | 81.4            | 28.8     | 10.4            | 3             | 76.0 | 9.2 | 31-3                         | 0.4995        | 183.82                    | 26   |
| Stoneville 4596B2RF   | 5.3             | 1.05   | 81.0            | 27.4     | 10.1            | 2             | 75.3 | 9.1 | 21-4,31-4,41-3               | 0.5038        | 184.39                    | 24   |
| Stoneville 4427B2RF   | 5.2             | 1.00   | 80.6            | 25.7     | 8.6             | 3             | 73.8 | 9.0 | 31-2,31-3,42-2               | 0.4695        | 170.90                    | 34   |
| PhytoGen 315 RF       | 5.0             | 1.02   | 79.0            | 25.6     | 8.7             | 2             | 77.3 | 8.9 | 31-1,31-3                    | 0.4815        | 174.30                    | 31   |
| All-Tex Marathon B2RF | 4.8             | 1.05   | 80.7            | 27.9     | 9.0             | 3             | 77.5 | 8.6 | 31-1,31-2                    | 0.5118        | 184.25                    | 25   |
| Dyna-Gro 2100 B2RF    | 4.4             | 1.01   | 81.2            | 26.0     | 9.1             | 2             | 76.9 | 8.5 | 31-1,41-3                    | 0.5022        | 179.29                    | 28   |
| Dyna-Gro 2383 RF      | 4.9             | 1.01   | 80.0            | 26.8     | 8.3             | 3             | 75.3 | 8.7 | 31-4                         | 0.4905        | 174.13                    | 33   |

Table 42A. Results of the dryland Roundup Ready Flex variety test at Texas AgriLife Research, Halfway, TX, 2007.

| Designation        | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|--------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                    |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| NexGen 3550 RF     | 4.5             | 0.99   | 79.6            | 27.2     | 8.7             | 3             | 76.6 | 8.6 | 31-2,31-3                    | 0.4985        | 176.47                    | 29   |
| All-Tex 65219 B2RF | 4.9             | 1.06   | 79.3            | 25.5     | 8.8             | 3             | 75.6 | 8.9 | 31-2,31-3,31-4               | 0.5143        | 181.55                    | 27   |
| NexGen 2448 R      | 4.5             | 1.00   | 79.8            | 29.1     | 8.6             | 2             | 76.5 | 8.8 | 21-2,31-1,41-3               | 0.5115        | 175.96                    | 30   |
| Dyna-Gro 2520 B2RF | 4.6             | 1.04   | 81.0            | 27.2     | 8.6             | 2             | 77.1 | 9.2 | 21-2,31-3                    | 0.5218        | 174.28                    | 32   |
| All-Tex 65016 RF   | 4.9             | 1.05   | 80.9            | 25.6     | 9.3             | 2             | 75.2 | 9.4 | 31-3,31-4,32-1               | 0.5138        | 164.42                    | 35   |
| PhytoGen 425 RF    | 5.1             | 1.07   | 81.8            | 28.5     | 9.5             | 4             | 73.8 | 9.2 | 31-3,31-4,42-1               | 0.5008        | 155.75                    | 36   |
| Deltapine 121RF    | 5.2             | 1.02   | 80.9            | 28.3     | 9.3             | 2             | 76.3 | 8.9 | 31-1,31-2,31-4               | 0.4937        | 152.06                    | 38   |
| PhytoGen 485 WRF   | 4.9             | 1.02   | 80.8            | 29.3     | 9.6             | 4             | 73.6 | 9.1 | 31-3,41-3,42-1               | 0.4745        | 141.88                    | 39   |
| Deltapine 141 B2RF | 4.6             | 1.09   | 79.7            | 27.6     | 8.5             | 3             | 77.4 | 8.6 | 31-1,31-2                    | 0.5577        | 154.48                    | 37   |
| All-Tex 65352 B2RF | 5.1             | 1.00   | 79.4            | 26.5     | 8.6             | 2             | 75.8 | 9.0 | 31-3,31-4                    | 0.4817        | 131.02                    | 40   |
| Mean               | 4.8             | 1.03   | 80.5            | 27.4     | 9.0             | 3             | 76.1 | 8.8 |                              | 0.5070        |                           |      |
| c.v.%              | 4.5             | 3.1    | 1.0             | 4.7      | 5.1             | 28.7          | 2.1  | 3.9 |                              | 4.9           |                           |      |
| LSD 0.05           | 0.3             | 0.04   | 1.1             | 1.8      | 0.6             | 1             | 2.1  | 0.5 |                              | 0.0339        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grades from these two samples are identical, only one color grade is reported.



Table 43. Production information for dryland performance test at Texas AgriLife Research, Lubbock, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | Round-Up Ready Flex Variety Test                           |
| Planting Date:    | May 4  |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Treflan 1 ¼ pt/A applied pre-plant                         |
| Fertilizer:       | 40-0-0 lbs/A applied pre-plant                             |
| Irrigations:      | 21.21 inches rainfall (Jan-Oct)                            |
| Insecticide:      | Temik @ 3.2 lbs/A at planting<br>Intruder @ 1oz/A August 7 |
| Harvest Aids:     | Gramoxone @24 oz/A and Aim @ 1oz/A November 2              |
| Harvest Date:     | November 20  |
| Freeze Date:      | October 23   |

Table 44. Results of the dryland Roundup Ready Flex variety test at Texas AgriLife Research, Lubbock, TX, 2007.

| Designation           | Agronomic Properties |        |              |               |               |                  |
|-----------------------|----------------------|--------|--------------|---------------|---------------|------------------|
|                       | % Lint               |        | Boll<br>Size | Seed<br>Index | Lint<br>Index | Seed Per<br>Boll |
|                       | Picked               | Pulled |              |               |               |                  |
| AFD 5064F             | 36.9                 | 26.2   | 5.7          | 10.5          | 6.8           | 31.0             |
| AFD 5065B2F           | 34.6                 | 24.5   | 5.3          | 10.7          | 6.2           | 29.2             |
| All-Tex 45002 RF      | 34.2                 | 21.6   | 5.9          | 11.6          | 6.9           | 29.0             |
| All-Tex 65016 RF      | 35.5                 | 23.4   | 5.0          | 9.4           | 5.7           | 31.2             |
| All-Tex 65027 RF      | 34.8                 | 23.5   | 5.0          | 9.6           | 5.7           | 30.4             |
| All-Tex 65219 B2RF    | 34.2                 | 23.3   | 5.2          | 9.0           | 5.3           | 33.6             |
| All-Tex 65333 RF      | 39.4                 | 26.5   | 5.2          | 9.5           | 6.9           | 29.6             |
| All-Tex 65352 B2RF    | 35.9                 | 23.3   | 4.4          | 8.8           | 5.6           | 28.7             |
| All-Tex Apex B2RF     | 36.4                 | 23.8   | 5.4          | 9.0           | 5.7           | 34.2             |
| All-Tex Marathon B2RF | 34.1                 | 22.3   | 4.8          | 9.3           | 5.4           | 30.7             |
| Deltapine 147RF       | 36.3                 | 23.3   | 6.4          | 9.3           | 6.0           | 39.4             |
| Deltapine 174RF       | 39.0                 | 28.4   | 3.1          | 9.9           | 7.6           | 31.2             |
| Dyna-Gro 2100 B2RF    | 34.9                 | 25.0   | 4.8          | 9.4           | 5.6           | 30.0             |
| Dyna-Gro 2242 B2RF    | 33.7                 | 18.7   | 4.1          | 8.9           | 5.5           | 27.0             |
| Dyna-Gro 2383 B2RF    | 36.3                 | 23.3   | 4.7          | 8.9           | 5.7           | 30.2             |
| Dyna-Gro 2490 B2RF    | 35.4                 | 26.9   | 5.6          | 9.2           | 5.6           | 35.7             |
| Dyna-Gro 2520 B2RF    | 35.2                 | 22.7   | 4.8          | 9.1           | 5.6           | 29.7             |
| Dyna-Gro CTO7343 RF   | 38.8                 | 26.4   | 5.9          | 9.5           | 6.7           | 32.7             |
| Dyna-Gro CTO7550 B2RF | 39.1                 | 28.2   | 5.1          | 9.7           | 6.8           | 29.1             |
| FiberMax 1740B2F      | 41.0                 | 31.1   | 5.4          | 10.0          | 7.9           | 30.1             |
| FiberMax 1880B2F      | 36.1                 | 22.5   | 4.9          | 8.7           | 5.5           | 32.0             |
| FiberMax 9058F        | 38.7                 | 26.2   | 7.2          | 10.6          | 6.6           | 30.0             |
| FiberMax 9150F        | 39.4                 | 27.4   | 6.0          | 10.8          | 7.8           | 30.1             |
| PhytoGen 315 RF       | 39.9                 | 28.0   | 5.0          | 8.6           | 6.3           | 31.9             |
| PhytoGen 375 WRF      | 37.1                 | 26.6   | 4.4          | 8.7           | 6.1           | 27.6             |
| PhytoGen 425 RF       | 37.0                 | 25.0   | 6.4          | 8.8           | 5.8           | 32.7             |
| PhytoGen 485 WRF      | 37.8                 | 29.9   | 5.8          | 9.7           | 6.5           | 33.3             |
| Stoneville 4357B2RF   | 35.4                 | 22.5   | 4.6          | 8.9           | 5.5           | 29.7             |
| Stoneville 4427B2RF   | 37.0                 | 25.9   | 4.7          | 9.1           | 6.0           | 29.1             |
| Stoneville 4498B2RF   | 37.7                 | 27.5   | 5.7          | 9.3           | 6.4           | 33.8             |

Table 44. Results of the dryland Roundup Ready Flex variety test at Texas AgriLife Research, Lubbock, TX, 2007.

| Designation         | Agronomic Properties |        |      |       |       |          |
|---------------------|----------------------|--------|------|-------|-------|----------|
|                     | % Lint               |        | Boll | Seed  | Lint  | Seed Per |
|                     | Picked               | Pulled | Size | Index | Index | Boll     |
| Stoneville 4554B2RF | 37.3                 | 27.5   | 5.0  | 9.6   | 6.5   | 28.3     |
| Stoneville 4596B2RF | 35.6                 | 27.5   | 4.7  | 9.2   | 5.6   | 29.6     |
| Stoneville 4664RF   | 36.6                 | 25.0   | 4.9  | 9.3   | 6.1   | 29.2     |
| Stoneville 4678B2RF | 35.7                 | 20.0   | 4.2  | 10.9  | 6.9   | 24.0     |
| Stoneville 5283RF   | 39.0                 | 25.6   | 4.6  | 8.8   | 6.3   | 28.5     |
| Stoneville 5327B2RF | 38.7                 | 24.6   | 4.4  | 8.7   | 6.2   | 27.4     |
| Stoneville 5458B2RF | 38.7                 | 25.8   | 4.7  | 8.8   | 6.2   | 29.0     |
| NexGen 2448 R       | 36.4                 | 23.5   | 5.8  | 10.1  | 6.4   | 34.2     |
| NexGen 2549 B2RF    | 29.5                 | 25.6   | 3.0  | 9.6   | 6.3   | 27.6     |
| NexGen 3348 B2RF    | 36.9                 | 26.2   | 5.6  | 11.2  | 7.3   | 28.7     |
| NexGen 3410 RF      | 37.0                 | 23.7   | 6.5  | 11.5  | 7.5   | 32.0     |
| NexGen 3550 RF      | 35.7                 | 23.1   | 5.7  | 10.3  | 6.3   | 32.1     |
| FiberMax 958        | 33.9                 | 22.8   | 5.4  | 10.7  | 7.0   | 27.7     |
| Paymaster 183       | 36.2                 | 22.6   | 5.1  | 10.0  | 6.2   | 29.5     |
| All-Tex Atlas       | 33.3                 | 22.1   | 5.6  | 10.0  | 5.7   | 35.3     |
| Mean                | 36.5                 | 24.8   | 5.1  | 9.6   | 6.2   | 30.6     |
| c.v.%               | 2.0                  | 5.2    | 23.0 | 3.7   | 5.9   | 9.1      |
| LSD 0.05            | 1.2                  | 2.2    | 2.0  | 0.6   | 0.6   | 4.7      |

Note: Varieties are listed alphabetically. Test was not harvested due to hail, boll samples were harvested to calculate shown properties.

Table 45. Production information for irrigated performance test at Texas AgriLife Research, Lubbock, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | Regional High Quality                                      |
| Planting Date:    | May 5  |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Treflan @ 1 ¼ pt/A applied pre-plant                       |
| Fertilizer:       | 100-2-0 lbs/A applied pre-plant                            |
| Irrigations:      | 2.3 acre-in on July 19<br>2.0 acre-in on August 15         |
| Insecticide:      | Temik @ 3.2 lbs/A at planting<br>Intruder @ 1oz/A August 7 |
| Harvest Aids:     | Gramoxone @24 oz/A and Aim @ 1oz/A October 30              |
| Harvest Date:     | November 20  |
| Freeze Date:      | October 23   |

Table 46. Results of the irrigated regional high quality strains test at Texas AgriLife Research, Lubbock, TX 2007.

| Designation        | Source           | Yield | Agronomic Properties |      |        |        |              |               |               |                  | % Open<br>Bolls<br>10/15/07 | Storm<br>Resistance |
|--------------------|------------------|-------|----------------------|------|--------|--------|--------------|---------------|---------------|------------------|-----------------------------|---------------------|
|                    |                  |       | % Turnout            |      | % Lint |        | Boll<br>Size | Seed<br>Index | Lint<br>Index | Seed Per<br>Boll |                             |                     |
|                    |                  |       | Lint                 | Seed | Picked | Pulled |              |               |               |                  |                             |                     |
| FiberMax 9063B2F   | Michael Swindle  | 1216  | 27.9                 | 42.4 | 39.9   | 28.7   | 5.6          | 10.8          | 7.0           | 31.7             | 78                          | 2.9                 |
| FiberMax 958       | Comm             | 1131  | 28.5                 | 41.0 | 50.6   | 29.6   | 4.2          | 10.3          | 8.6           | 25.3             | 34                          | 2.9                 |
| Deltapine 555BG/RR | Ken Lege         | 1077  | 29.6                 | 39.5 | 40.8   | 30.8   | 4.5          | 9.3           | 7.1           | 24.8             | 80                          | 1.9                 |
| Deltapine 164B2RF  | Ken Lege         | 1071  | 25.6                 | 44.4 | 37.4   | 28.2   | 4.7          | 9.1           | 5.9           | 29.5             | 80                          | 2.1                 |
| FiberMax 960B2R    | Michael Swindle  | 1069  | 25.5                 | 39.8 | 39.3   | 29.8   | 5.2          | 10.3          | 7.1           | 28.5             | 63                          | 2.8                 |
| CS 48              | Steve Oakley     | 1028  | 26.7                 | 40.8 | 42.6   | 28.0   | 3.8          | 9.1           | 6.3           | 25.1             | 85                          | 2.0                 |
| Deltapine 143B2RF  | Ken Lege         | 986   | 26.4                 | 44.2 | 38.6   | 27.9   | 4.9          | 8.8           | 5.6           | 33.9             | 86                          | 2.4                 |
| CS 53              | Steve Oakley     | 968   | 25.2                 | 43.3 | 34.8   | 26.9   | 4.1          | 10.0          | 6.0           | 29.5             | 93                          | 2.3                 |
| All-Tex Atlas      | Comm             | 968   | 25.9                 | 44.4 | 36.6   | 26.5   | 5.6          | 9.6           | 5.5           | 37.0             | 49                          | 2.9                 |
| Stoneville 4892BR  | Michael Robinson | 960   | 29.3                 | 41.5 | 34.8   | 27.5   | 3.9          | 9.5           | 6.6           | 22.3             | 77                          | 2.5                 |
| JAJO 3077          | Jack Jones       | 942   | 28.4                 | 39.3 | 42.4   | 29.7   | 4.4          | 9.0           | 7.1           | 27.7             | 91                          | 2.5                 |
| CS 37              | Steve Oakley     | 937   | 27.6                 | 43.5 | 35.0   | 27.1   | 5.2          | 9.0           | 6.0           | 30.3             | 88                          | 2.4                 |
| CS 45              | Steve Oakley     | 930   | 25.9                 | 40.4 | 38.3   | 27.7   | 5.3          | 8.6           | 5.7           | 25.3             | 83                          | 2.3                 |
| AR 9704-18-08      | Fred Bourland    | 900   | 28.4                 | 41.9 | 40.2   | 29.6   | 4.9          | 10.3          | 7.5           | 26.4             | 74                          | 1.9                 |
| AR 9803-23-08      | Fred Bourland    | 898   | 26.8                 | 40.0 | 41.2   | 29.5   | 4.9          | 9.6           | 6.7           | 29.6             | 80                          | 2.0                 |
| NM 03K1001         | Jinfa Zhang      | 891   | 25.0                 | 43.0 | 36.1   | 26.2   | 5.0          | 10.2          | 6.3           | 28.1             | 88                          | 1.6                 |
| AR 9704-13-05      | Fred Bourland    | 887   | 28.8                 | 41.8 | 36.1   | 27.2   | 5.6          | 10.6          | 7.7           | 26.5             | 63                          | 1.8                 |
| PhytoGen 72        | Joel Mahill      | 876   | 27.5                 | 42.8 | 38.1   | 27.1   | 5.4          | 9.9           | 6.6           | 31.1             | 81                          | 1.7                 |
| Deltapine 141B2RF  | Ken Lege         | 870   | 26.8                 | 43.2 | 41.1   | 28.0   | 4.6          | 9.0           | 5.8           | 32.4             | 84                          | 2.5                 |
| Deltapine 161B2RF  | Ken Lege         | 835   | 28.5                 | 47.0 | 35.2   | 27.3   | 4.5          | 8.6           | 5.3           | 30.2             | 90                          | 2.5                 |
| TAM 01E-22         | Wayne Smith      | 750   | 21.3                 | 46.5 | 34.6   | 25.0   | 5.7          | 11.9          | 6.9           | 28.5             | 61                          | 2.9                 |
| JAJO 3007          | Jack Jones       | 725   | 26.1                 | 40.1 | 37.0   | 26.8   | 5.1          | 9.2           | 6.2           | 30.3             | 82                          | 2.6                 |
| NM 03N1168         | Jinfa Zhang      | 716   | 25.0                 | 44.9 | 34.3   | 26.0   | 5.0          | 10.0          | 5.7           | 30.1             | 63                          | 1.6                 |
| NM 03S1023         | Jinfa Zhang      | 675   | 22.1                 | 44.8 | 32.9   | 23.5   | 5.0          | 10.1          | 5.5           | 23.3             | 67                          | 1.8                 |
| Mean               |                  | 929   | 26.6                 | 42.5 | 37.8   | 27.7   | 4.9          | 9.7           | 6.4           | 28.6             | 76                          | 2.3                 |
| c.v.%              |                  | 13.5  | 5.7                  | 5.9  | 7.1    | 4.0    | 10.7         | 4.5           | 6.4           | 12.3             |                             | 11.1                |
| LSD 0.05           |                  | 148   | 2.6                  | 4.3  | 4.6    | 1.9    | 0.9          | 0.8           | 0.7           | 6.0              |                             | 0.3                 |

Table 46A. Results of the irrigated regional high quality variety test at Texas AgriLife Research, Lubbock, TX, 2007.

| Designation        | Source           | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|--------------------|------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                    |                  |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| FiberMax 9063B2F   | Michael Swindle  | 4.2             | 1.15   | 80.6            | 29.6     | 8.0             | 2             | 78.7 | 7.6 | 31-1,31-2                    | 0.5785        | 703.46                    | 1    |
| FiberMax 958       | Comm             | 4.5             | 1.11   | 80.1            | 30.1     | 7.1             | 3             | 79.7 | 8.0 | 21-2,31-1                    | 0.5738        | 648.97                    | 2    |
| Deltapine 555BG/RR | Ken Lege         | 4.0             | 1.05   | 78.7            | 24.9     | 8.1             | 1             | 80.9 | 7.4 | 31-1                         | 0.5185        | 558.42                    | 7    |
| Deltapine 164B2RF  | Ken Lege         | 3.6             | 1.15   | 78.5            | 29.2     | 8.1             | 1             | 80.3 | 7.7 | 21-2,31-1                    | 0.5760        | 616.90                    | 4    |
| FiberMax 960B2R    | Michael Swindle  | 3.9             | 1.15   | 80.6            | 30.2     | 6.7             | 2             | 79.6 | 7.7 | 31-1                         | 0.5783        | 618.20                    | 3    |
| CS 48              | Steve Oakley     | 4.0             | 1.13   | 78.6            | 28.7     | 7.6             | 2             | 78.2 | 8.4 | 31-1                         | 0.5755        | 591.61                    | 5    |
| Deltapine 143B2RF  | Ken Lege         | 3.8             | 1.13   | 78.3            | 25.9     | 7.9             | 3             | 78.6 | 7.7 | 31-1,31-2                    | 0.5673        | 559.36                    | 6    |
| CS 53              | Steve Oakley     | 4.2             | 1.12   | 81.4            | 27.0     | 8.6             | 2             | 78.7 | 8.0 | 31-1                         | 0.5718        | 553.50                    | 8    |
| All-Tex Atlas      | Comm             | 4.6             | 1.06   | 80.4            | 28.1     | 8.7             | 3             | 77.0 | 7.9 | 31-2                         | 0.5373        | 520.11                    | 14   |
| Stoneville 4892BR  | Michael Robinson | 4.2             | 1.07   | 81.4            | 27.5     | 8.4             | 3             | 78.3 | 8.5 | 21-2,31-1                    | 0.5568        | 534.53                    | 9    |
| JAJ0 3077          | Jack Jones       | 4.2             | 1.11   | 78.9            | 28.9     | 8.2             | 1             | 79.2 | 8.3 | 31-1                         | 0.5668        | 533.93                    | 10   |
| CS 37              | Steve Oakley     | 3.9             | 1.09   | 79.0            | 29.4     | 8.6             | 2             | 78.9 | 8.4 | 31-1                         | 0.5568        | 521.72                    | 11   |
| CS 45              | Steve Oakley     | 3.9             | 1.11   | 80.0            | 28.0     | 9.1             | 2             | 77.9 | 8.1 | 21-2,41-1                    | 0.5603        | 521.08                    | 13   |
| AR 9704-18-08      | Fred Bourland    | 4.3             | 1.07   | 80.0            | 27.9     | 8.1             | 1             | 80.2 | 8.0 | 21-2,31-1                    | 0.5440        | 489.60                    | 17   |
| AR 9803-23-08      | Fred Bourland    | 4.1             | 1.19   | 81.0            | 31.4     | 8.5             | 2             | 78.3 | 8.0 | 31-1                         | 0.5805        | 521.29                    | 12   |
| NM 03K1001         | Jinfa Zhang      | 4.2             | 1.19   | 82.3            | 35.6     | 7.4             | 3             | 76.4 | 8.4 | 31-2                         | 0.5828        | 519.27                    | 15   |
| AR 9704-13-05      | Fred Bourland    | 4.2             | 1.04   | 79.7            | 26.3     | 8.2             | 1             | 79.5 | 8.2 | 21-2,31-1                    | 0.5235        | 464.34                    | 19   |
| PhytoGen 72        | Joel Mahill      | 4.2             | 1.16   | 81.4            | 31.8     | 8.5             | 1             | 78.2 | 8.9 | 21-1,31-1                    | 0.5880        | 515.09                    | 16   |
| Deltapine 141B2RF  | Ken Lege         | 3.5             | 1.11   | 78.4            | 27.9     | 8.3             | 3             | 78.3 | 8.1 | 31-1                         | 0.5550        | 482.85                    | 18   |
| Deltapine 161B2RF  | Ken Lege         | 4.0             | 1.15   | 78.9            | 27.6     | 8.2             | 3             | 76.6 | 7.5 | 31-2,41-1                    | 0.5513        | 460.34                    | 20   |
| TAM 01E-22         | Wayne Smith      | 3.8             | 1.22   | 80.1            | 29.9     | 7.1             | 2             | 78.3 | 8.1 | 31-1                         | 0.5783        | 433.73                    | 21   |
| JAJ0 3007          | Jack Jones       | 3.6             | 1.11   | 79.6            | 27.2     | 9.1             | 1             | 79.1 | 9.3 | 21-1,21-3                    | 0.5675        | 411.44                    | 22   |
| NM 03N1168         | Jinfa Zhang      | 3.5             | 1.21   | 81.2            | 29.5     | 7.5             | 2             | 77.6 | 7.9 | 31-1,31-2                    | 0.5693        | 407.62                    | 23   |
| NM 03S1023         | Jinfa Zhang      | 3.5             | 1.19   | 81.4            | 33.3     | 7.6             | 4             | 76.4 | 7.8 | 31-2,41-1                    | 0.5415        | 365.51                    | 24   |
| Mean               |                  | 4.0             | 1.13   | 80.0            | 29.0     | 8.0             | 2             | 78.5 | 8.1 |                              | 0.5620        |                           |      |
| c.v.%              |                  | 6.2             | 1.6    | 1.2             | 5.2      | 3.6             | 38.2          | 1.2  | 3.0 |                              | 2.9           |                           |      |
| LSD 0.05           |                  | 0.4             | 0.03   | 1.6             | 2.6      | 0.5             | 1             | 1.7  | 0.4 |                              | 0.0281        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grades from these two samples are identical, only one color grade is reported.

Table 47. Production information for irrigated performance test at Texas AgriLife Research, Halfway, TX 2007.

|                   |  |
|-------------------|--|
| Test:             | Verticillium Wilt Yield Test   |
| Planting Date:    | May 17   |
| Row Spacing:      | 40in   |
| Planting Pattern: | Solid  |
| Herbicide:        | Treflan 1 ¼ pt/A applied pre-plant   |
| Fertilizer:       | 120-0-0 lbs/A applied pre-plant  |
| Irrigations:      | 3.4 acre-in on July 30   |
| Insecticide:      | Temik @ 3.2 lbs/A at planting  |
| Harvest Aids:     | Prep @ 32oz/A and Def 6 16oz/A October 16<br>Gramoxone @ 24oz/A October 29 |
| Harvest Date:     | November 6   |
| Freeze Date:      | October 23   |

Table 48. Results of the irrigated verticillium wilt yield test at Texas AgriLife Research, Halfway, TX, 2007.

| Designation               | Yield | Agronomic Properties |      |        |        |           |            |            |               | % Open Bolls<br>10/10/07 | Storm Resistance |
|---------------------------|-------|----------------------|------|--------|--------|-----------|------------|------------|---------------|--------------------------|------------------|
|                           |       | % Turnout            |      | % Lint |        | Boll Size | Seed Index | Lint Index | Seed Per Boll |                          |                  |
|                           |       | Lint                 | Seed | Picked | Pulled |           |            |            |               |                          |                  |
| Stoneville X0710B2RF      | 1154  | 33.0                 | 43.1 | 43.5   | 32.3   | 5.6       | 10.1       | 8.4        | 29.2          | 84                       | 2.7              |
| NexGen 2549 B2RF          | 1128  | 33.7                 | 48.1 | 40.9   | 30.1   | 4.9       | 10.2       | 7.6        | 26.5          | 94                       | 3.0              |
| Stoneville 05TF056        | 1108  | 29.9                 | 43.8 | 40.4   | 28.7   | 4.6       | 10.4       | 7.8        | 23.8          | 75                       | 2.6              |
| Stoneville 05TF116        | 1032  | 29.3                 | 38.9 | 42.4   | 31.9   | 5.5       | 10.7       | 8.5        | 27.5          | 90                       | 2.7              |
| Croplan Genetics 4020B2RF | 1022  | 30.7                 | 42.8 | 40.6   | 30.8   | 5.1       | 9.3        | 6.8        | 30.0          | 86                       | 2.6              |
| Stoneville 05TF038        | 1008  | 32.6                 | 42.7 | 43.0   | 31.8   | 4.8       | 9.6        | 8.0        | 26.1          | 87                       | 2.5              |
| Stoneville 5283RF         | 1005  | 30.9                 | 39.2 | 42.5   | 30.3   | 4.3       | 9.2        | 7.5        | 24.2          | 77                       | 2.4              |
| Stoneville X0712B2RF      | 983   | 29.2                 | 41.5 | 41.5   | 30.7   | 4.7       | 10.4       | 7.7        | 24.9          | 91                       | 2.6              |
| Stoneville 4427B2RF       | 979   | 32.6                 | 44.2 | 40.5   | 31.5   | 5.0       | 9.3        | 6.9        | 28.9          | 87                       | 2.5              |
| NexGen 3348 B2RF          | 967   | 30.3                 | 43.7 | 40.9   | 29.0   | 5.2       | 10.9       | 8.3        | 25.9          | 85                       | 2.7              |
| Stoneville 4596B2RF       | 959   | 30.2                 | 44.6 | 40.5   | 32.4   | 5.2       | 9.9        | 7.4        | 28.7          | 91                       | 2.5              |
| Croplan Genetics 3220B2RF | 946   | 33.4                 | 44.6 | 42.6   | 31.6   | 5.5       | 10.1       | 8.0        | 29.1          | 92                       | 2.6              |
| Stoneville 4357B2RF       | 940   | 30.3                 | 42.9 | 41.0   | 28.5   | 5.1       | 9.5        | 7.1        | 29.0          | 82                       | 2.6              |
| Americot x554RF           | 936   | 29.2                 | 45.0 | 40.0   | 28.7   | 6.7       | 11.9       | 9.4        | 31.0          | 93                       | 2.5              |
| NexGen 1572 RF            | 929   | 31.7                 | 46.0 | 40.4   | 29.5   | 5.0       | 10.0       | 7.2        | 27.9          | 96                       | 3.0              |
| Stoneville 5327B2RF       | 928   | 30.4                 | 42.1 | 42.4   | 34.2   | 4.9       | 9.2        | 7.4        | 27.8          | 83                       | 2.5              |
| Americot x556RF           | 919   | 27.4                 | 46.9 | 37.3   | 27.7   | 5.4       | 12.2       | 7.8        | 25.6          | 92                       | 2.5              |
| NexGen 3550 RF            | 918   | 29.3                 | 44.9 | 40.7   | 30.4   | 5.1       | 10.0       | 6.6        | 28.5          | 92                       | 2.7              |
| Stoneville X0711B2RF      | 901   | 29.6                 | 43.2 | 40.3   | 30.3   | 5.3       | 11.6       | 8.3        | 25.9          | 95                       | 2.6              |
| FiberMax BC SX064330B2F   | 893   | 32.4                 | 42.2 | 44.1   | 31.6   | 5.5       | 10.1       | 8.5        | 28.2          | 91                       | 2.8              |
| Stoneville 5458B2RF       | 890   | 30.7                 | 40.4 | 42.5   | 31.6   | 5.2       | 9.6        | 7.7        | 28.1          | 88                       | 2.6              |
| Stoneville 4554B2RF       | 887   | 28.4                 | 39.2 | 41.5   | 28.4   | 5.1       | 9.7        | 7.6        | 27.9          | 88                       | 2.6              |
| NexGen 2448 R             | 881   | 31.1                 | 46.3 | 40.2   | 30.2   | 5.5       | 10.3       | 7.3        | 30.4          | 91                       | 3.1              |
| Stoneville 05TF135        | 879   | 29.5                 | 41.6 | 40.9   | 29.3   | 5.0       | 9.7        | 7.3        | 28.1          | 96                       | 2.5              |
| Stoneville 05TF068        | 875   | 27.4                 | 44.1 | 37.8   | 27.8   | 5.0       | 9.9        | 6.6        | 28.9          | 95                       | 2.5              |
| NexGen 3410 RF            | 875   | 25.4                 | 40.4 | 42.0   | 30.1   | 5.8       | 10.8       | 8.5        | 28.5          | 87                       | 2.7              |
| Croplan Genetics 3520B2RF | 871   | 29.3                 | 41.8 | 40.7   | 28.9   | 4.6       | 9.3        | 7.0        | 26.6          | 92                       | 2.5              |
| Americot x557RF           | 863   | 28.6                 | 42.9 | 39.4   | 27.3   | 5.9       | 12.5       | 8.7        | 26.9          | 90                       | 2.8              |
| FiberMax 958              | 855   | 31.5                 | 42.1 | 43.2   | 30.2   | 5.0       | 10.5       | 8.5        | 25.6          | 95                       | 2.9              |
| Americot x558RF           | 852   | 27.8                 | 42.0 | 41.4   | 29.5   | 6.3       | 12.1       | 9.2        | 27.9          | 84                       | 2.8              |



Table 48. Results of the irrigated verticillium wilt yield test at Texas AgriLife Research, Halfway, TX, 2007.

| Designation               | Yield | Agronomic Properties |      |        |        |           |            |            |               | % Open Bolls<br>10/10/07 | Storm Resistance |
|---------------------------|-------|----------------------|------|--------|--------|-----------|------------|------------|---------------|--------------------------|------------------|
|                           |       | % Turnout            |      | % Lint |        | Boll Size | Seed Index | Lint Index | Seed Per Boll |                          |                  |
|                           |       | Lint                 | Seed | Picked | Pulled |           |            |            |               |                          |                  |
| Stoneville 4664RF         | 851   | 31.1                 | 42.0 | 42.5   | 31.8   | 4.9       | 9.7        | 7.8        | 26.6          | 86                       | 2.4              |
| NexGen 3273 B2RF          | 850   | 27.8                 | 45.9 | 39.0   | 29.6   | 5.0       | 9.8        | 6.7        | 29.4          | 90                       | 2.7              |
| Americot x511349B2RF      | 843   | 33.5                 | 46.4 | 41.8   | 32.1   | 4.5       | 9.7        | 7.4        | 25.3          | 93                       | 2.5              |
| Croplan Genetics 3035RF   | 842   | 33.6                 | 41.1 | 44.3   | 31.8   | 5.1       | 9.2        | 7.9        | 28.2          | 78                       | 2.7              |
| Americot x511353B2RF      | 830   | 31.9                 | 43.0 | 42.8   | 32.4   | 4.6       | 9.6        | 7.7        | 25.4          | 88                       | 2.5              |
| Americot x110201RF        | 827   | 28.4                 | 42.3 | 40.6   | 28.1   | 5.1       | 10.5       | 7.7        | 27.3          | 83                       | 2.8              |
| Stoneville 6351B2RF       | 826   | 30.7                 | 43.4 | 41.4   | 29.9   | 4.8       | 10.2       | 7.7        | 25.6          | 87                       | 2.3              |
| H&W Genetex 570RF         | 820   | 27.3                 | 43.7 | 39.3   | 28.6   | 4.8       | 11.1       | 7.8        | 24.2          | 87                       | 2.4              |
| Americot x551RF           | 816   | 27.7                 | 43.8 | 38.5   | 27.7   | 5.9       | 11.2       | 7.5        | 30.5          | 95                       | 2.5              |
| Americot x210118B2RF      | 797   | 28.9                 | 44.4 | 40.4   | 29.9   | 5.0       | 9.9        | 7.1        | 28.1          | 83                       | 2.6              |
| Croplan Genetics 3020B2RF | 796   | 26.1                 | 39.8 | 40.3   | 28.4   | 5.2       | 10.2       | 7.5        | 27.7          | 82                       | 2.5              |
| Stoneville 4498B2RF       | 791   | 28.4                 | 42.4 | 40.9   | 30.0   | 5.3       | 9.4        | 7.1        | 30.3          | 90                       | 2.5              |
| Americot x511345B2RF      | 790   | 30.7                 | 43.2 | 40.2   | 29.8   | 4.7       | 9.6        | 7.2        | 26.3          | 85                       | 2.7              |
| Americot x542RF           | 770   | 24.7                 | 45.3 | 36.1   | 25.3   | 6.3       | 12.9       | 7.8        | 29.1          | 85                       | 2.7              |
| Americot x637777B2RF      | 766   | 29.9                 | 43.4 | 40.9   | 30.4   | 4.2       | 9.6        | 7.2        | 24.2          | 87                       | 2.5              |
| H&W Genetex 576RF         | 744   | 24.4                 | 43.4 | 37.4   | 25.9   | 5.8       | 13.1       | 8.4        | 25.6          | 77                       | 2.6              |
| Americot x538RF           | 743   | 27.1                 | 43.7 | 37.5   | 26.5   | 5.3       | 12.6       | 8.1        | 24.4          | 89                       | 2.5              |
| Americot x560RF           | 742   | 24.3                 | 40.4 | 36.5   | 25.1   | 5.9       | 11.8       | 7.3        | 29.2          | 79                       | 2.6              |
| All-Tex Atlas             | 711   | 27.6                 | 42.8 | 39.0   | 28.9   | 5.8       | 9.7        | 6.7        | 33.7          | 96                       | 3.0              |
| Lankart 57                | 707   | 28.8                 | 45.3 | 38.6   | 27.8   | 5.6       | 11.2       | 7.4        | 29.0          | 97                       | 3.0              |
| Americot x539RF           | 701   | 26.0                 | 43.5 | 39.0   | 27.9   | 6.0       | 12.3       | 8.5        | 27.6          | 90                       | 2.6              |
| Americot x511370B2RF      | 688   | 30.6                 | 44.1 | 41.7   | 29.3   | 4.4       | 9.5        | 7.2        | 25.4          | 86                       | 2.4              |
| Americot x541RF           | 658   | 25.9                 | 41.0 | 39.6   | 27.0   | 5.4       | 11.9       | 8.4        | 25.8          | 94                       | 2.7              |
| Stoneville 05TF086        | 588   | 25.8                 | 40.2 | 40.6   | 28.8   | 4.6       | 10.5       | 7.7        | 24.5          | 94                       | 2.1              |
| Mean                      | 868   | 29.4                 | 43.0 | 40.6   | 29.6   | 5.2       | 10.4       | 7.7        | 27.4          | 88                       | 2.6              |
| c.v.%                     | 13.3  | 4.5                  | 4.2  | 1.8    | 4.9    | 7.9       | 3.5        | 4.5        | 8.0           | 5.9                      | 3.8              |
| LSD 0.05                  | 135   | 2.2                  | 3.0  | 1.2    | 2.4    | 0.7       | 0.6        | 0.6        | 3.7           | 9                        | 0.1              |

Table 48A. Results of the irrigated verticillium wilt yield test at Texas AgriLife Reserach, Halfway, TX, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                           |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| Stoneville X0710B2RF      | 5.1             | 1.03   | 81.3            | 26.3     | 9.3             | 4             | 76.1 | 9.2 | 31-3                         | 0.4873        | 562.34                    | 6    |
| NexGen 2549 B2RF          | 4.5             | 1.05   | 81.9            | 30.0     | 9.0             | 4             | 74.4 | 9.0 | 31-3,41-3                    | 0.5173        | 583.51                    | 4    |
| Stoneville 05TF056        | 4.5             | 1.09   | 80.2            | 28.3     | 10.0            | 3             | 76.7 | 8.8 | 31-1,31-2                    | 0.5640        | 624.91                    | 1    |
| Stoneville 05TF116        | 4.7             | 1.12   | 81.9            | 31.2     | 8.2             | 3             | 77.6 | 8.8 | 21-2,31-3                    | 0.5750        | 593.40                    | 2    |
| Croplan Genetics 4020B2RF | 4.5             | 1.13   | 80.8            | 26.7     | 9.5             | 2             | 77.5 | 8.8 | 21-2,31-2                    | 0.5765        | 589.18                    | 3    |
| Stoneville 05TF038        | 4.6             | 1.10   | 81.0            | 28.5     | 8.7             | 3             | 76.4 | 8.2 | 21-1,41-2                    | 0.5513        | 555.71                    | 8    |
| Stoneville 5283RF         | 4.5             | 1.08   | 80.8            | 30.0     | 9.6             | 3             | 78.9 | 8.6 | 21-2,31-1                    | 0.5578        | 560.59                    | 7    |
| Stoneville X0712B2RF      | 4.8             | 1.10   | 81.5            | 31.4     | 8.7             | 3             | 75.9 | 9.2 | 31-3                         | 0.5740        | 564.24                    | 5    |
| Stoneville 4427B2RF       | 4.8             | 1.09   | 81.3            | 28.9     | 9.3             | 3             | 77.9 | 8.4 | 21-2,31-2                    | 0.5585        | 546.77                    | 10   |
| NexGen 3348 B2RF          | 4.4             | 1.12   | 82.1            | 29.6     | 8.6             | 3             | 76.6 | 8.8 | 31-1,31-2                    | 0.5720        | 553.12                    | 9    |
| Stoneville 4596B2RF       | 4.8             | 1.10   | 80.6            | 29.4     | 9.8             | 3             | 75.8 | 8.9 | 31-3                         | 0.5640        | 540.88                    | 11   |
| Croplan Genetics 3220B2RF | 5.0             | 1.05   | 81.1            | 26.4     | 9.7             | 1             | 77.1 | 8.7 | 31-2,31-3                    | 0.5148        | 487.00                    | 22   |
| Stoneville 4357B2RF       | 4.6             | 1.09   | 81.0            | 27.0     | 9.4             | 2             | 77.2 | 9.1 | 31-1,31-3                    | 0.5665        | 532.51                    | 12   |
| Americot x554RF           | 5.2             | 1.11   | 81.2            | 29.3     | 7.9             | 3             | 77.9 | 8.8 | 21-1,31-3                    | 0.5473        | 512.27                    | 17   |
| NexGen 1572 RF            | 4.3             | 1.08   | 80.1            | 27.6     | 8.8             | 3             | 78.7 | 8.2 | 21-1,31-2                    | 0.5578        | 518.20                    | 16   |
| Stoneville 5327B2RF       | 4.7             | 1.08   | 81.7            | 29.4     | 9.7             | 2             | 76.8 | 9.2 | 21-4,31-3                    | 0.5588        | 518.57                    | 15   |
| Americot x556RF           | 4.9             | 1.10   | 82.1            | 29.6     | 9.3             | 3             | 75.9 | 8.7 | 31-1,41-3                    | 0.5408        | 497.00                    | 19   |
| NexGen 3550 RF            | 4.2             | 1.10   | 80.6            | 29.3     | 9.0             | 2             | 78.6 | 8.6 | 21-2,31-1                    | 0.5715        | 524.64                    | 13   |
| Stoneville X0711B2RF      | 4.9             | 1.08   | 82.6            | 26.2     | 9.5             | 4             | 76.7 | 8.2 | 31-1,41-1                    | 0.5390        | 485.64                    | 23   |
| FiberMax BCSX064330B2F    | 4.6             | 1.14   | 83.6            | 31.5     | 7.7             | 3             | 78.5 | 8.1 | 31-1                         | 0.5813        | 519.10                    | 14   |
| Stoneville 5458B2RF       | 4.9             | 1.04   | 79.0            | 27.8     | 8.7             | 3             | 75.7 | 9.2 | 31-3                         | 0.5213        | 463.96                    | 30   |
| Stoneville 4554B2RF       | 4.5             | 1.07   | 81.7            | 28.0     | 10.9            | 3             | 75.8 | 9.0 | 31-3                         | 0.5390        | 478.09                    | 24   |
| NexGen 2448 R             | 4.7             | 1.03   | 81.4            | 30.4     | 9.0             | 3             | 76.8 | 9.1 | 31-1,31-3                    | 0.5238        | 461.47                    | 32   |
| Stoneville 05TF135        | 4.3             | 1.08   | 81.5            | 30.7     | 8.7             | 4             | 72.6 | 8.4 | 41-1,42-2                    | 0.5165        | 454.00                    | 33   |
| Stoneville 05TF068        | 4.6             | 1.09   | 83.1            | 29.1     | 9.1             | 4             | 74.5 | 8.1 | 31-2,41-2                    | 0.5378        | 470.58                    | 26   |
| NexGen 3410 RF            | 4.2             | 1.15   | 80.6            | 28.9     | 8.3             | 3             | 76.6 | 8.7 | 31-1,31-2                    | 0.5735        | 501.81                    | 18   |
| Croplan Genetics 3520B2RF | 4.3             | 1.10   | 82.0            | 29.2     | 10.2            | 3             | 76.8 | 8.5 | 31-1,31-2                    | 0.5683        | 494.99                    | 20   |
| Americot x557RF           | 4.6             | 1.06   | 81.1            | 27.2     | 8.8             | 2             | 76.7 | 8.3 | 31-2                         | 0.5378        | 464.12                    | 29   |
| FiberMax 958              | 4.8             | 1.06   | 80.9            | 27.1     | 7.8             | 1             | 78.4 | 8.4 | 21-2,31-1                    | 0.5438        | 464.95                    | 28   |
| Americot x558RF           | 4.7             | 1.12   | 82.4            | 31.0     | 9.3             | 3             | 77.1 | 8.4 | 31-1                         | 0.5785        | 492.88                    | 21   |

Table 48A. Results of the irrigated verticillium wilt yield test at Texas AgriLife Reserach, Halfway, TX, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                           |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| Stoneville 4664RF         | 4.8             | 1.08   | 81.4            | 28.0     | 10.1            | 2             | 77.8 | 8.7 | 21-4,31-4                    | 0.5565        | 473.58                    | 25   |
| NexGen 3273 B2RF          | 4.2             | 1.06   | 80.2            | 27.2     | 9.5             | 2             | 78.9 | 8.4 | 21-1,31-1                    | 0.5458        | 463.93                    | 31   |
| Americot x511349B2RF      | 5.0             | 1.06   | 81.6            | 28.9     | 9.5             | 3             | 75.7 | 9.3 | 31-3                         | 0.5133        | 432.71                    | 41   |
| Croplan Genetics 3035RF   | 4.7             | 1.03   | 81.2            | 27.8     | 9.6             | 2             | 77.3 | 9.3 | 21-3,31-3                    | 0.5218        | 439.36                    | 38   |
| Americot x511353B2RF      | 5.1             | 1.05   | 82.0            | 28.1     | 9.3             | 3             | 76.6 | 9.3 | 21-4,31-3                    | 0.5170        | 429.11                    | 42   |
| Americot x110201RF        | 4.1             | 1.05   | 79.1            | 25.1     | 8.8             | 3             | 78.5 | 8.6 | 21-2,31-1                    | 0.5348        | 442.28                    | 37   |
| Stoneville 6351B2RF       | 4.5             | 1.09   | 80.2            | 28.2     | 9.2             | 2             | 77.9 | 9.0 | 21-2,31-1                    | 0.5670        | 468.34                    | 27   |
| H&W Genetex 570RF         | 4.8             | 1.10   | 80.4            | 28.1     | 8.0             | 4             | 74.1 | 8.8 | 31-1,42-2                    | 0.5323        | 436.49                    | 40   |
| Americot x551RF           | 4.7             | 1.06   | 80.9            | 31.0     | 8.9             | 2             | 75.5 | 8.9 | 31-3,31-4                    | 0.5193        | 423.75                    | 43   |
| Americot x210118B2RF      | 4.4             | 1.09   | 80.2            | 26.5     | 8.9             | 2             | 78.7 | 8.8 | 21-2                         | 0.5670        | 451.90                    | 34   |
| Croplan Genetics 3020B2RF | 4.3             | 1.08   | 82.3            | 27.3     | 9.5             | 3             | 79.1 | 8.8 | 21-2                         | 0.5560        | 442.58                    | 36   |
| Stoneville 4498B2RF       | 4.6             | 1.08   | 82.2            | 29.6     | 10.3            | 3             | 74.4 | 9.0 | 31-3,42-1                    | 0.5315        | 420.42                    | 44   |
| Americot x511345B2RF      | 4.8             | 1.07   | 82.5            | 27.7     | 9.2             | 2             | 75.5 | 8.9 | 31-3,31-4                    | 0.5550        | 438.45                    | 39   |
| Americot x542RF           | 4.1             | 1.13   | 82.1            | 31.1     | 8.8             | 2             | 77.0 | 8.3 | 31-1,31-2                    | 0.5828        | 448.76                    | 35   |
| Americot x637777B2RF      | 4.5             | 1.07   | 81.7            | 28.1     | 9.4             | 3             | 73.9 | 9.2 | 31-3,41-3                    | 0.5343        | 409.27                    | 47   |
| H&W Genetex 576RF         | 4.2             | 1.15   | 82.9            | 31.5     | 8.9             | 4             | 77.8 | 7.8 | 31-2,41-1                    | 0.5635        | 419.24                    | 45   |
| Americot x538RF           | 4.3             | 1.12   | 80.8            | 30.0     | 8.3             | 2             | 76.0 | 8.2 | 31-2,41-1                    | 0.5635        | 418.68                    | 46   |
| Americot x560RF           | 4.4             | 1.12   | 82.1            | 30.8     | 8.5             | 3             | 74.6 | 8.7 | 31-1,42-1                    | 0.5430        | 402.91                    | 48   |
| All-Tex Atlas             | 4.6             | 1.04   | 81.8            | 29.9     | 9.4             | 4             | 76.5 | 8.4 | 31-2                         | 0.5223        | 371.36                    | 50   |
| Lankart 57                | 4.4             | 1.01   | 80.3            | 26.1     | 9.7             | 2             | 77.5 | 8.9 | 31-1                         | 0.5078        | 359.01                    | 53   |
| Americot x539RF           | 4.4             | 1.09   | 80.0            | 31.3     | 8.2             | 1             | 77.1 | 8.4 | 31-1,31-2                    | 0.5700        | 399.57                    | 49   |
| Americot x511370B2RF      | 4.9             | 1.07   | 81.5            | 28.3     | 9.2             | 3             | 74.6 | 9.4 | 31-3                         | 0.5270        | 362.58                    | 52   |
| Americot x541RF           | 4.1             | 1.12   | 81.6            | 32.2     | 8.1             | 3             | 76.1 | 9.1 | 31-1,32-2                    | 0.5573        | 366.70                    | 51   |
| Stoneville 05TF086        | 4.5             | 1.21   | 83.4            | 33.7     | 8.8             | 3             | 77.8 | 8.6 | 31-1                         | 0.5820        | 342.22                    | 54   |
| Mean                      | 4.6             | 1.08   | 81.3            | 28.9     | 9.1             | 2             | 76.7 | 8.7 |                              | 0.5480        |                           |      |
| c.v.%                     | 4.5             | 2.2    | 1.0             | 3.9      | 5.3             | 29.1          | 2.4  | 4.0 |                              | 4.2           |                           |      |
| LSD 0.05                  | 0.3             | 0.04   | 1.4             | 1.9      | 0.8             | 1             | 3.1  | 0.6 |                              | 0.0389        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grades from these two samples are identical, only one color grade is reported.

Table 49. Production information for irrigated performance test at the AG-CARES Farm, Lamesa, TX 2007.

|                         |   |
|-------------------------|---|
| Test:                   | Nematode Variety Test   |
| Planting Date:          | June 1  |
| Row Spacing:            | 40in  |
| Planting Pattern:       | Solid   |
| Herbicide:              | Prowl @ 3pt/A applied pre-plant   |
| Fertilizer:             | 130-34-0 lbs/A applied pre-plant  |
| Irrigations:<br>(pivot) | 6.0 acre inches applied from July to September  |
| Insecticide:            | Temik @ 3.5 lbs/A at planting<br>Intruder @ 1oz/A plus 1% crop oil applied June 20 (applied by air)               |
| Harvest Aids:           | BolID @ 21oz/A and Def @ 12oz/A October 11 (applied by air)<br>Gramoxone max @ 16oz/A November 1 (applied by air) |
| Harvest Date:           | November 10   |
| Freeze Date:            | November 15   |

Table 50. Results of the irrigated nematode variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation               | Yield | Agronomic Properties |      |        |        |           |            |            |               | % Open        |                  | Nematodes* |
|---------------------------|-------|----------------------|------|--------|--------|-----------|------------|------------|---------------|---------------|------------------|------------|
|                           |       | % Turnout            |      | % Lint |        | Boll Size | Seed Index | Lint Index | Seed Per Boll | Bolls 10/9/07 | Storm Resistance |            |
|                           |       | Lint                 | Seed | Picked | Pulled |           |            |            |               |               |                  |            |
| Stoneville 5458B2RF       | 1807  | 34.0                 | 44.4 | 40.3   | 30.6   | 5.5       | 9.8        | 7.1        | 31.4          | 77            | 2.3              | 10,020     |
| Stoneville 5599BR         | 1609  | 30.7                 | 44.7 | 37.8   | 28.6   | 5.7       | 10.5       | 7.7        | 28.2          | 74            | 2.1              | 12,990     |
| Stoneville 4498B2RF       | 1588  | 31.9                 | 47.2 | 40.9   | 31.1   | 5.6       | 9.4        | 6.9        | 33.1          | 69            | 2.1              | 8,790      |
| Deltapine 455BG/RR        | 1564  | 32.9                 | 41.4 | 47.2   | 37.4   | 4.9       | 8.1        | 6.3        | 36.8          | 79            | 1.7              | 12,720     |
| Stoneville 5327B2RF       | 1504  | 32.4                 | 46.9 | 43.5   | 32.1   | 4.7       | 8.7        | 6.9        | 29.8          | 46            | 2.0              | 11,220     |
| Stoneville 4427B2RF       | 1497  | 30.2                 | 43.9 | 39.1   | 29.8   | 4.7       | 9.4        | 6.3        | 29.1          | 74            | 2.0              | 6,030      |
| Croplan Genetics 4020B2RF | 1479  | 30.5                 | 43.5 | 44.4   | 32.9   | 4.9       | 9.6        | 7.6        | 28.4          | 78            | 2.0              | 10,590     |
| Stoneville 4554B2RF       | 1476  | 30.7                 | 43.6 | 40.5   | 30.4   | 5.2       | 9.8        | 6.9        | 30.1          | 72            | 2.0              | 9,180      |
| Stoneville 4664RF         | 1471  | 30.3                 | 41.0 | 38.6   | 29.4   | 4.9       | 9.5        | 6.4        | 29.7          | 80            | 2.3              | 11,720     |
| Deltapine 174RF           | 1430  | 31.2                 | 41.2 | 43.2   | 32.1   | 5.3       | 9.6        | 7.7        | 29.6          | 74            | 2.7              | 4,350      |
| Croplan Genetics 3020B2RF | 1425  | 28.8                 | 44.9 | 37.5   | 28.4   | 5.2       | 9.7        | 6.3        | 30.8          | 80            | 2.5              | 8,460      |
| Stoneville 5283RF         | 1425  | 31.1                 | 42.6 | 39.9   | 29.9   | 3.9       | 8.8        | 6.5        | 27.6          | 71            | 2.0              | 21,090     |
| Dyna-Gro 2520 B2RF        | 1387  | 29.5                 | 43.0 | 41.3   | 30.1   | 5.4       | 8.8        | 7.8        | 34.2          | 89            | 2.2              | 12,720     |
| Deltapine 164B2RF         | 1377  | 29.3                 | 45.3 | 38.5   | 28.9   | 5.0       | 9.1        | 5.9        | 32.5          | 50            | 2.1              | 28,380     |
| Croplan Genetics 3035RF   | 1374  | 31.1                 | 40.9 | 45.1   | 35.2   | 5.2       | 10.5       | 8.6        | 27.3          | 70            | 2.3              | 15,150     |
| Croplan Genetics 3520B2RF | 1360  | 28.4                 | 43.2 | 38.8   | 28.5   | 4.5       | 9.1        | 6.2        | 27.9          | 84            | 2.3              | 9,390      |
| NexGen 3348 B2RF          | 1350  | 30.9                 | 46.3 | 41.8   | 33.4   | 5.3       | 10.7       | 7.4        | 29.9          | 79            | 3.1              | 12,360     |
| Croplan Genetics 3220B2RF | 1333  | 31.9                 | 44.3 | 40.2   | 32.1   | 5.2       | 9.6        | 7.3        | 28.7          | 83            | 2.0              | 20,970     |
| NexGen 3410 RF            | 1319  | 29.7                 | 43.2 | 36.0   | 26.8   | 5.9       | 11.1       | 7.0        | 30.0          | 73            | 2.9              | 13,350     |
| Deltapine 161B2RF         | 1317  | 28.3                 | 42.1 | 35.3   | 27.2   | 5.3       | 9.0        | 5.3        | 35.0          | 67            | 2.5              | 22,740     |
| Stoneville 4678B2RF       | 1312  | 28.1                 | 43.8 | 39.5   | 30.4   | 4.4       | 10.1       | 6.9        | 24.8          | 79            | 2.1              | 13,290     |
| Dyna-Gro 2490 B2RF        | 1310  | 29.0                 | 42.7 | 40.1   | 30.5   | 4.3       | 9.4        | 6.5        | 26.5          | 82            | 2.3              | 14,790     |
| Stoneville 4596B2RF       | 1310  | 28.6                 | 44.9 | 39.1   | 30.1   | 5.2       | 10.1       | 6.8        | 29.9          | 72            | 2.4              | 11,910     |
| NexGen 3550 RF            | 1294  | 27.3                 | 43.5 | 37.3   | 29.3   | 4.9       | 10.0       | 6.4        | 28.7          | 85            | 2.9              | 4,440      |
| FiberMax 9180B2F          | 1279  | 28.5                 | 43.4 | 41.0   | 31.3   | 5.7       | 10.5       | 7.7        | 30.2          | 86            | 3.1              | 27,330     |
| Acala NemX                | 1245  | 26.7                 | 42.8 | 38.5   | 28.5   | 5.8       | 11.9       | 7.8        | 28.6          | 49            | 2.5              | 2,970      |
| AFD 5065B2F               | 1233  | 29.7                 | 48.2 | 35.9   | 27.8   | 5.5       | 10.0       | 6.1        | 32.9          | 76            | 3.3              | 6,990      |
| Stoneville 6351B2RF       | 1171  | 26.4                 | 42.5 | 38.4   | 29.3   | 5.3       | 10.2       | 6.7        | 30.5          | 84            | 2.6              | 7,440      |
| Mean                      | 1402  | 29.9                 | 43.7 | 39.9   | 30.4   | 5.1       | 9.7        | 6.9        | 30.0          | 74            | 2.4              | 12,549     |
| c.v.%                     | 6.9   | 8.1                  | 6.5  | 8.1    | 8.6    | 4.4       | 3.3        | 10.6       | 5.5           | 15.9          | 13.7             | 62.6       |
| LSD 0.05                  | 113   | 4.1                  | 4.8  | 5.5    | 4.4    | 0.4       | 0.6        | 1.2        | 2.8           | 20            | 0.4              | 9,242      |

\* Root-kont nematode population density on Sept. 7 measured in Eggs/500cm<sup>3</sup> soil.

Table 50A. Results of the irrigated nematode variety test at the AG-CARES Farm, Lamesa, TX, 2007.

| Designation               | Micro-<br>naire | Length | Uni-<br>formity | Strength | Elon-<br>gation | Leaf<br>Index | Rd   | +b  | Color<br>Grade <sup>1/</sup> | Loan<br>Value | Gross Loan Value per Acre |      |
|---------------------------|-----------------|--------|-----------------|----------|-----------------|---------------|------|-----|------------------------------|---------------|---------------------------|------|
|                           |                 |        |                 |          |                 |               |      |     |                              |               | \$                        | Rank |
| Stoneville 5458B2RF       | 4.6             | 1.08   | 78.1            | 27.7     | 8.4             | 3             | 75.7 | 8.3 | 31-2,41-3                    | 0.5320        | 961.32                    | 1    |
| Stoneville 5599BR         | 4.3             | 1.06   | 80.4            | 27.4     | 7.9             | 3             | 77.0 | 8.6 | 31-1,31-2                    | 0.5398        | 868.54                    | 3    |
| Stoneville 4498B2RF       | 4.3             | 1.10   | 81.4            | 27.8     | 9.2             | 3             | 78.5 | 8.6 | 21-1,31-1                    | 0.5700        | 905.16                    | 2    |
| Deltapine 455BG/RR        | 4.2             | 1.08   | 80.5            | 27.2     | 8.1             | 2             | 76.0 | 8.6 | 31-2,31-4                    | 0.5538        | 866.14                    | 4    |
| Stoneville 5327B2RF       | 4.2             | 1.10   | 81.6            | 27.7     | 8.7             | 3             | 78.4 | 8.1 | 31-1                         | 0.5660        | 851.26                    | 5    |
| Stoneville 4427B2RF       | 4.6             | 1.09   | 80.3            | 25.7     | 7.8             | 3             | 76.7 | 8.7 | 31-1,31-2                    | 0.5613        | 840.27                    | 6    |
| Croplan Genetics 4020B2RF | 4.6             | 1.08   | 79.2            | 23.7     | 8.8             | 3             | 78.9 | 8.5 | 21-1,31-1                    | 0.5393        | 797.62                    | 9    |
| Stoneville 4554B2RF       | 4.4             | 1.08   | 80.5            | 26.1     | 9.5             | 4             | 72.7 | 8.1 | 41-1,41-2                    | 0.5240        | 773.42                    | 12   |
| Stoneville 4664RF         | 4.5             | 1.07   | 80.7            | 26.0     | 10.5            | 2             | 76.0 | 8.4 | 31-4,41-1                    | 0.5348        | 786.69                    | 11   |
| Deltapine 174RF           | 4.4             | 1.11   | 80.3            | 25.9     | 8.5             | 3             | 76.8 | 7.9 | 31-1,41-1                    | 0.5545        | 792.94                    | 10   |
| Croplan Genetics 3020B2RF | 4.0             | 1.06   | 80.5            | 24.7     | 8.7             | 2             | 77.9 | 8.3 | 31-1                         | 0.5278        | 752.12                    | 18   |
| Stoneville 5283RF         | 4.5             | 1.09   | 81.0            | 27.3     | 8.8             | 2             | 78.1 | 8.7 | 31-1                         | 0.5665        | 807.26                    | 7    |
| Dyna-Gro 2520 B2RF        | 4.3             | 1.12   | 79.7            | 26.0     | 8.6             | 2             | 78.4 | 8.3 | 21-2,31-1                    | 0.5790        | 803.07                    | 8    |
| Deltapine 164B2RF         | 4.4             | 1.11   | 79.8            | 28.1     | 7.8             | 3             | 78.7 | 8.1 | 31-1                         | 0.5540        | 762.86                    | 17   |
| Croplan Genetics 3035RF   | 4.4             | 1.07   | 81.0            | 26.4     | 9.3             | 2             | 78.8 | 8.7 | 21-1,31-1                    | 0.5563        | 764.36                    | 15   |
| Croplan Genetics 3520B2RF | 4.3             | 1.09   | 79.8            | 26.1     | 8.5             | 3             | 77.6 | 8.2 | 31-1,31-2                    | 0.5650        | 768.40                    | 13   |
| NexGen 3348 B2RF          | 4.4             | 1.09   | 81.1            | 26.7     | 8.3             | 2             | 78.1 | 8.6 | 31-1                         | 0.5665        | 764.78                    | 14   |
| Croplan Genetics 3220B2RF | 4.5             | 1.09   | 80.5            | 26.7     | 8.6             | 5             | 76.3 | 8.5 | 31-1,31-4                    | 0.5223        | 696.23                    | 25   |
| NexGen 3410 RF            | 3.8             | 1.14   | 79.5            | 28.3     | 8.0             | 2             | 76.0 | 8.4 | 31-1,41-3                    | 0.5560        | 733.36                    | 20   |
| Deltapine 161B2RF         | 4.3             | 1.15   | 80.0            | 27.2     | 8.2             | 3             | 79.4 | 8.1 | 21-1,31-1                    | 0.5800        | 763.86                    | 16   |
| Stoneville 4678B2RF       | 4.8             | 1.11   | 80.5            | 26.5     | 8.7             | 3             | 77.9 | 8.2 | 31-1                         | 0.5705        | 748.50                    | 19   |
| Dyna-Gro 2490 B2RF        | 3.8             | 1.05   | 80.3            | 24.3     | 9.8             | 3             | 79.1 | 8.1 | 31-1                         | 0.5290        | 692.99                    | 26   |
| Stoneville 4596B2RF       | 4.4             | 1.14   | 81.3            | 27.9     | 9.4             | 4             | 76.2 | 8.3 | 31-1,41-3                    | 0.5535        | 725.09                    | 21   |
| NexGen 3550 RF            | 4.2             | 1.12   | 80.4            | 25.7     | 8.7             | 3             | 76.2 | 7.9 | 31-2,41-1                    | 0.5538        | 716.62                    | 22   |
| FiberMax 9180B2F          | 4.4             | 1.11   | 81.1            | 27.7     | 8.0             | 3             | 77.9 | 7.9 | 31-1,41-1                    | 0.5548        | 709.59                    | 23   |
| Acala NemX                | 3.9             | 1.14   | 82.9            | 31.1     | 7.5             | 4             | 77.5 | 8.4 | 31-1                         | 0.5675        | 706.54                    | 24   |
| AFD 5065B2F               | 4.6             | 1.08   | 80.4            | 27.1     | 9.2             | 2             | 78.8 | 8.1 | 31-1                         | 0.5525        | 681.23                    | 27   |
| Stoneville 6351B2RF       | 4.4             | 1.08   | 80.6            | 25.9     | 8.4             | 3             | 77.8 | 8.4 | 31-1                         | 0.5395        | 631.75                    | 28   |
| Mean                      | 4.3             | 1.09   | 80.5            | 26.7     | 8.6             | 3             | 77.4 | 8.3 |                              | 0.5520        |                           |      |
| c.v.%                     | 4.5             | 2.0    | 0.9             | 2.9      | 3.6             | 36.2          | 1.7  | 3.7 |                              | 3.9           |                           |      |
| LSD 0.05                  | 0.3             | 0.04   | 1.3             | 1.3      | 0.5             | 2             | 2.2  | 0.5 |                              | 0.0365        |                           |      |

1/ Fiber quality determinations are made on samples from two reps. If the color grade from these two samples are identical, only one color grade is reported.