THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

D&PE Technology Holding Corporation

Whereas, there has been presented to the

Secretary of Agriculture

an application requesting a certificate of protection for an alleged distinct variety of sexually reproduced, or tuber propagated plant, the name and description of which are contained in the application and exhibits, a copy of which is hereunto annexed and made a part hereof, and the various requirements of law in such cases made and provided have been complied with, and the title thereto is, from the records of the Plant Variety Protection Office, in the applicant(s) indicated in the said copy, and whereas, upon due examination made, the said applicant(s) is (are) adjudged to be entitled to a certificate of plant variety protection under the law.

Now, therefore, this certificate of plant variety protection is to grant unto the said applicant(s) and the successors, heirs or assigns of the said applicant(s) for the term of twenty years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic seed of the variety in a public repository as provided by law, the right to exclude others from selling the variety, or offering it for sale, or reproducing it, or importing it, or exporting it, conditioning it for propagation, or stocking it for any of the above purpose, or using it in producing a hybrid or different variety therefrom, to the extent provided by the Plant Variety Protection Act (84 Stat. 1542, as amended, 7 U.S.C. 2321 et seq.)

COTTON

'DP 429 RR'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this fifteenth day of November, in the year two thousand two.

[Signature]

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service
REPRODUCE LOCALLY. Include form number and date on all reproductions.

1. NAME OF OWNER
Delta and Pine Land Company dba Deltapine Seed

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME
DPX 9828RR

3. VARIETY NAME
DP 429 RR

4. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code, and Country)
200 N. Main Street
Scott, MS 38772

5. TELEPHONE (include area code)
(601) 742-4511
(601) 742-3795

6. FAX (include area code)
662-742-3182
662-742-3182

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.)
Corporation

8. IF INCORPORATED, GIVE STATE OF INCORPORATION
Delaware

9. DATE OF INCORPORATION
Oct. 19, 1978

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)
Delta and Pine Land Company
Dr. William V. Hugie
PO Box 217
Scott, MS 38772

11. TELEPHONE (include area code)
(601) 742-4511

12. FAX (include area code)
(601) 742-3795

13. E-MAIL
hugie52022246@mcmail.com

14. CROP KIND (Common Name)
cotton

15. GENUS AND SPECIES NAME OF CROP
Gossypium hirsutum

16. FAMILY NAME (Botanical)
Malvaceae

17. IS THE VARIETY A FIRST GENERATION HYBRID?
YES X NO

18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)

19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 63(a) of the Plant Variety Protection Act)
X YES (If "yes", answer items 20 and 21 below)
X NO (If "no", go to item 22)

20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
YES NO

21. IF "YES" TO ITEM 20, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?
FOUNTATION REGISTERED CERTIFIED

22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U.S. OR OTHER COUNTRY?
X YES NO

23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?
X YES NO

24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.
The undersigned owner(s) are(s) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.
Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER
William V. Hugie

SIGNATURE OF OWNER
Randi Dismuke

CAPACITY OR TITLE
Vice President New Technologies Research
Delta and Pine Land Company

CAPACITY OR TITLE
President
Deltapine Seed

S&T-470 (6-98) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (03-96) which is obsolete. (See reverse for instructions and information collection burden statement)
GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for $2,450 ($300 filing fee and $2,150 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of $300 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office
Telephone: (301) 504-5518
FAX: (301) 504-5291

ITEM

18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) evidence of uniformity and stability; and (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified.

18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:

(1) identify these varieties and state all differences objectively;
(2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
(3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.

18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.

18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.

18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.

19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).

22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.

23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

February 16, 1999, United States; DP 429 RR sold for resale

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter. Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, or marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-2791. To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal opportunity employer.

SST-470 (6-98) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (03-96) which is obsolete.
DELTA AND PINE LAND COMPANY'S APPLICATION FOR DP 429 RR

ORIGIN AND BREEDING HISTORY

DP 429 RR was developed by the backcrossing breeding method. The donor parent was a BC4F1 of the variety DP5816 whose donor parent intern was a plant of the cotton variety COKER 312 LINE 1445. LINE 1445 was developed by the MONSANTO COMPANY using Recombinant DNA techniques to introduce a resistant version of the gene EPSPS which encodes the enzyme: 5-enolpyruvylshikimate-3-phosphate synthase (EPSPS). This modified EPSPS was originally isolated from the common soil borne microorganism Agrobacterium sp. strain CP4 and confers to LINE 1445 resistance or tolerance to the herbicide glyphosate [formulation of glyphosate, N (phosphonomethyl) glycine] commercialized under the trade name ROUNDUP.

The F₁, BC₁, BC₂, and BC₃ crosses were made in D&PL’s greenhouse in Scott, MS. BC₂F₁, BC₃F₁, BC₂F₂ and BC₃F₂ plants were grown and selfed in the greenhouses located at Scott, MS.

BC₂F₂ and BC₃F₃ progeny rows were grown at Scott, MS in the summer of 1997. Progeny rows were tested for true-ness to type of the recurrent parent DP 5409. Those true to type and also containing the "Roundup Ready Gene" in a homozygous form were bulked to form the variety DP 429 RR. The line was sent to winter nursery in Argentina for increase during the 1997-98 season.

DP 429 RR was evaluated across the cotton belt in replicated research plots in 1998. Separate isolated increases of DP 429 RR were grown in 1998.
DELTA AND PINE LAND COMPANY

STATEMENT OF UNIFORMITY AND STABILITY
FOR DP 429 RR

DP 429 RR has been observed over several generations and appears to be uniform and stable. Less than 2% of the plants do not contain the gene insertion 1445 which imparts resistance to the herbicide Roundup.
NOVELTY STATEMENT

DP 429 RR is most similar to DP 5409. DP 429 RR, however, is different and novel in that its plants carry the gene insertion 1445 of a construct developed by the MONSANTO COMPANY which causes these plants to be tolerant to the herbicide ROUNDUP (glyphosate). DP 429 RR has fiber properties that are different than DP 5409. DP 429 RR produced fiber with lower strength (1.0), shorter length (0.02), and lower micronaire (0.1-0.2) than DP 5409. DP 429 RR has a lower 100 seed weight (0.5 grams) and is 2 to 3 days later in maturity than DP 5409. All other fiber properties, plant type and plant map data are similar. A more detailed description of this gene insertion is included in EXHIBIT A: Origin and Breeding History.
OBJECTIVE DESCRIPTION OF VARIETY
COTTON (Gossypium spp.)

NAME OF APPLICANT(S)  \text{\underline{Delta and Pine Land Company d/b/a Deltapine Seed}}

TEMPORARY DESIGNATION  DPX 9828RR

VARIETY NAME  DP 429 RR

ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code)
200 North Main Street
Scott, MS 38772

FOR OFFICIAL USE ONLY
PVPO NUMBER  9900297

Place the appropriate data that describes the varietal characteristic of this variety in the space provided. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Royal Horticultural Society or any recognized color fan may be used to determine plant colors. Characters marked with an asterisk * indicate necessary characters to be measured.

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: Use standard regional check varieties which are adapted to your area. One of the comparison varieties must be the most similar variety used in Exhibit B.

Variety 1. \text{DP 5409}  Variety 2.  Variety 3. 

*1. SPECIES:  \underline{XX}  G. hirsutum L.  \underline{G. barbadense}  L.

*2. AREA(S) OF ADAPTATION: (A = Adapted, NA = Not Adapted, NT = Not Tested)

A Eastern  \underline{A Delta}  \underline{A Central}  \underline{A Blacklands}

NA Plains  NA Western  \underline{A Arizona}  \underline{NA San Joaquin}

\underline{Other} (Specify): 

3. GENERAL: Characteristics which are known to be variable but are still useful for a meaningful description of the variety.

<table>
<thead>
<tr>
<th>Application Variety</th>
<th>Comparison Variety 1</th>
<th>Comparison Variety 2</th>
<th>Comparison Variety 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Habit:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spreading, Intermediate, Compact</td>
<td>Intermediate</td>
<td>Intermediate</td>
<td></td>
</tr>
</tbody>
</table>

| Foliage:            |                      |                      |                      |
| Sparse, Intermediate, Dense | Intermediate | Intermediate |                     |

| Stem Lodging:       |                      |                      |                      |
| Lodging, Intermediate, Erect | Erect | Erect |                     |

| Fruiting Branch:    |                      |                      |                      |
| Clustered, Short, Normal | Normal | Normal |                     |
### Growth:

Determinate, Intermediate, Indeterminate

<table>
<thead>
<tr>
<th>Intermediate</th>
<th>Intermediate</th>
</tr>
</thead>
</table>

**Leaf Color:**

Greenish yellow, Light green, Medium green, Dark green

<table>
<thead>
<tr>
<th>Light green</th>
<th>Light green</th>
</tr>
</thead>
</table>

**Boll Shape:** Length less than width, Length equal to width, Length more than width

<table>
<thead>
<tr>
<th>Length &gt;width</th>
<th>Length &gt;width</th>
</tr>
</thead>
</table>

**Boll Breadth:** Broasted at base, Broasted at middle

<table>
<thead>
<tr>
<th>Broasted at middle</th>
<th>Broasted at middle</th>
</tr>
</thead>
</table>

*4. MATURITY: (50 % Open bolls; Preferred method; Describe method if different method was used.)*

**Date of 50 % open bolls**

Sept. 21    Sept. 17

---

### PLANT:

**Cm to 1st Fruiting Branch:**

(from cotyledonary node)

<table>
<thead>
<tr>
<th>23 cm</th>
<th>23 cm</th>
</tr>
</thead>
</table>

**No. of Nodes to 1st Fruiting Branch:**

(excluding cotyledonary node)

<table>
<thead>
<tr>
<th>5.4</th>
<th>5.7</th>
</tr>
</thead>
</table>

**Mature Plant Height cm:**

(from cotyledonary node to terminal)

<table>
<thead>
<tr>
<th>115 cm</th>
<th>113 cm</th>
</tr>
</thead>
</table>

*6. LEAF: Upper most, fully expanded leaf.*

**Type:** Normal, Sub Okra, Okra, Super Okra

<table>
<thead>
<tr>
<th>Normal</th>
<th>Normal</th>
</tr>
</thead>
</table>

**Pubescence:** Absent, Sparse, Medium, Dense OR Trichomes/cm²

(Bottom surface excluding veins)

<table>
<thead>
<tr>
<th>Sparse</th>
<th>Sparse</th>
</tr>
</thead>
</table>

**Nectaries:** Present or Absent

<table>
<thead>
<tr>
<th>Present</th>
<th>Present</th>
</tr>
</thead>
</table>

*7. STEM PUBESCENCE:*

Glabrous, Intermediate, Hairy

<table>
<thead>
<tr>
<th>Intermediate</th>
<th>Intermediate</th>
</tr>
</thead>
</table>

*8. GLANDS: (Gossypol) Absent, Sparse, Normal, More Than Normal*

**Leaf:**

<table>
<thead>
<tr>
<th>Normal</th>
<th>Normal</th>
</tr>
</thead>
</table>

**Stem:**

<table>
<thead>
<tr>
<th>Normal</th>
<th>Normal</th>
</tr>
</thead>
</table>

**Calyx Lobe: (normal is absent)**

<table>
<thead>
<tr>
<th>Normal</th>
<th>Normal</th>
</tr>
</thead>
</table>

*9. FLOWER:

**Petals:** Cream, Yellow

<table>
<thead>
<tr>
<th>Cream</th>
<th>Cream</th>
</tr>
</thead>
</table>

**Pollen:** Cream, Yellow

<table>
<thead>
<tr>
<th>Cream</th>
<th>Cream</th>
</tr>
</thead>
</table>

**Petal Spot:** Present, Absent

<table>
<thead>
<tr>
<th>Absent</th>
<th>Absent</th>
</tr>
</thead>
</table>

---
Seed Index: (g/100 seed, fuzzy basis) | 9.5 | 10.2 |  

Lint Index: (g lint/100 seeds) |  

*11. BOLL:  

Lint Percent: _XX_ Picked | 36.5 | 36.8 |  

OR  

Gin Turnout: _Picked | _Stripped |  

Number of Seeds per Boll | 4 | 4 |  

Grams Seed Cotton per Boll |  

Number of Locules per Boll | 4 |  

Boll Type: (Stormproof, Storm Resistant, Open) _Open | _Open |  

12. FIBER PROPERTIES:  

Specify Method (HVI or other): _HVI |  

* Length: (inches, 2.5% SL) | 1.10 | 1.12 |  

* Uniformity: (%) | 83 | 83 |  

* Strength, T1 (g/tex) | 27.2 | 28.4 |  

* Elongation, E1 (%) | 10.1 | 10.2 |  

* Micronaire: | 3.9 | 4.2 |  

Finess (Source) |  

Yarn Tenacity: (cN/tex, 27 tex) |  

Yarn Strength: (lbs. 22's) |  

13. DISEASES: (NT = Not Tested, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant)  

_NT____ Alternaria macrospora | _NT____ Fusarium Wilt  

_NT____ Anthracose | _NT____ Phymatotrichum Root Rot  

_NT____ Ascochyta Blight | _NT____ Pythium (specify species)  

_NT____ Bacterial Blight (Race 1) | _NT____ Rhizoctonia solani  

_NT____ Bacterial Blight (Race 2) | _NT____ Southwestern Cotton Rust  

_NT____ Bacterial Blight (Race____) | _NT____ Thielaviopsis basicola  

&T-470-8 (6-98) designed by the Plant Variety Protection Office using Word Perfect 6.0a. Replaces LS-470-8 (3-83), which is obsolete.
14. NEMATODES, INSECTS AND PESTS: (NT = Not Tested, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant)

- NT Root-Knot Nematode
- NT Boll Weevil
- NT Bollworm
- NT Cotton Aphid
- NT Cotton Fleahopper
- NT Cotton Leafworm
- NT Cutworm (specify species):
- NT Fall Armyworm
- Other (specify):

- NT Reniform Nematode
- NT Grasshopper (specify species):
- NT Lygus (specify species):
- NT Pink Bollworm
- NT Spider Mite (specify species):
- NT Stink Bug (specify species):
- NT Thrips (specify species):
- NT Tobacco Bud Worm

15. COMMENTS: Present any additional information that cannot adequately be described in 1 through 13 which significantly distinguishes your variety.

DP 429 RR has incorporated into its genome a gene which confers resistance to the herbicide Glyphosate.
Exhibit D
AAA 01 Jul 2002

Explanation of Trials

Replicated research trials—Replicated trials conducted by research. A variety or line was replicated 4 times within each trial. Individual plots consisted of 2 rows by 50 feet and were harvested by a modified research picker and weights recorded. Samples were taken from each plot, ginned and fiber tested using HVI. AGROBASE was used to analyze all data. Plant map data is taken during the season and summarized using the University of California “Cotton Plant Mapper” program by Dick Plant and Tom Kerby.
<table>
<thead>
<tr>
<th>Variety</th>
<th>Yield</th>
<th>Lint #/A</th>
<th>Top %</th>
<th>Lint %</th>
<th>Str g/tex</th>
<th>Len</th>
<th>Mic</th>
<th>UR</th>
<th>E1</th>
<th>Pit Hgt</th>
<th>Mat</th>
<th>So</th>
<th>Fo</th>
<th>Sdwt</th>
<th>Vigor</th>
</tr>
</thead>
<tbody>
<tr>
<td>DP 5409</td>
<td>1003</td>
<td>87</td>
<td>36.8</td>
<td>28.4</td>
<td>1.12</td>
<td>4.2</td>
<td>83</td>
<td>10.2</td>
<td>3.8</td>
<td>2.2</td>
<td>3.4</td>
<td>3.2</td>
<td>10.2</td>
<td>3.2</td>
<td></td>
</tr>
<tr>
<td>DP 429 RR</td>
<td>842</td>
<td>71</td>
<td>36.5</td>
<td>27.2</td>
<td>1.10</td>
<td>3.9</td>
<td>83</td>
<td>10.1</td>
<td>4.1</td>
<td>2.7</td>
<td>3.0</td>
<td>3.1</td>
<td>9.5</td>
<td>3.2</td>
<td></td>
</tr>
<tr>
<td>Mean</td>
<td>1015</td>
<td></td>
<td>37.2</td>
<td>27.9</td>
<td>1.11</td>
<td>4.3</td>
<td>83</td>
<td>10.4</td>
<td>4.2</td>
<td>2.3</td>
<td>2.8</td>
<td>2.0</td>
<td>10.9</td>
<td>2.9</td>
<td></td>
</tr>
<tr>
<td>LSD</td>
<td>36</td>
<td></td>
<td>0.4</td>
<td>0.4</td>
<td>0.01</td>
<td>0.1</td>
<td>0</td>
<td>0.2</td>
<td>0.2</td>
<td>0.3</td>
<td>0.2</td>
<td>0.4</td>
<td>0.5</td>
<td>0.4</td>
<td></td>
</tr>
<tr>
<td>CV</td>
<td>8.1</td>
<td></td>
<td>2.1</td>
<td>3.1</td>
<td>1.80</td>
<td>4.3</td>
<td>0.8</td>
<td>5.2</td>
<td>11.6</td>
<td>26.5</td>
<td>17.1</td>
<td>31.5</td>
<td>3.9</td>
<td>17.3</td>
<td></td>
</tr>
</tbody>
</table>
Comparison of DP 5409 to DP 429 RR
Plant map data from corporate research yield trials 1998 -3 locations

<table>
<thead>
<tr>
<th>Variety</th>
<th>95%</th>
<th>NWCB</th>
<th>Open</th>
<th>Height</th>
<th>Total Nodes</th>
<th>Veg Nodes</th>
<th>Fruiting Branches</th>
<th>HNR</th>
<th>Bolls/Plant</th>
<th>FP1</th>
<th>FP2</th>
<th>FP2&lt;</th>
<th>Veg</th>
</tr>
</thead>
<tbody>
<tr>
<td>DP 5409</td>
<td>24.2</td>
<td>20.4</td>
<td>17-Sep</td>
<td>46.2</td>
<td>28.7</td>
<td>5.7</td>
<td>23.0</td>
<td>1.6</td>
<td>20.2</td>
<td>44.4</td>
<td>26.4</td>
<td>14.2</td>
<td>15.1</td>
</tr>
<tr>
<td>DP 429 RR</td>
<td>22.4</td>
<td>18.9</td>
<td>21-Sep</td>
<td>46.9</td>
<td>28.1</td>
<td>5.4</td>
<td>22.7</td>
<td>1.7</td>
<td>22.0</td>
<td>39.6</td>
<td>26.8</td>
<td>17.0</td>
<td>16.5</td>
</tr>
</tbody>
</table>
EXHIBIT E

DELTA AND PINE LAND COMPANY'S APPLICATION FOR
DP 429 RR

DP 429 RR originated from crosses made by employees of the Research Department of Delta and Pine Land Company (D&PL). Work product of these employees is the property of D&PL. D&PL has assigned all of its rights as owner of DP 429 RR to its wholly owned subsidiary, D&PL Technology Holding Corp.

DP 429 RR contains a proprietary gene, patented by the Monsanto Company and licensed to D&PL, which encodes a protein which provides tolerance to glyphosate herbicide in cotton cultivars.