THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

R&PL 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 acquired 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 409 B/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

[Signature]
**APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE**

1. **NAME OF OWNER**  
   Delta and Pine Land Company

2. **TEMPORARY DESIGNATION OR EXPERIMENTAL NAME**  
   DPX 9829B/RR

3. **VARIETY NAME**  
   DP 409 B/RR

4. **ADDRESS**  
   200 N. Main Street  
   Scott, MS 38872

5. **TELEPHONE (include area code)**  
   (601) 742-4541

6. **FAX (include area code)**  
   (601) 742-3795

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 277  
    Scott, MS 38872

11. **TELEPHONE (include area code)**  
    (601) 742-4541

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

13. **E-MAIL**  
    hugie%2022946@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  ☑NO

18. **CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED**  
   Follow instructions on reverse:
   a. x Exhibit A: Origin and Breeding History of the Variety
   b. x Exhibit B: Statement of Distinctness
   c. □Exhibit C: Objective Description of Variety
   d. □Exhibit D: Additional Description of Variety (Optional)
   e. □Exhibit E: Statement of the Basis of the Owner's Ownership
   f. □Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)
   g. □Filing and Examination Fee ($2,450) made payable to "Treasurer of the United States" (Mail to Plant Variety Protection Office)

19. **DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY IS SOLD AS A CLASS OF CERTIFIED SEED?**  
   See Section 83(a) of the Plant Variety Protection Act
   □YES (If "yes", answer items 20 and 21 below)  ☑NO (If "no", go to item 22)

20. **DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY IS LIMITED AS TO NUMBER OF GENERATIONS?**  
    □YES  ☑NO

21. **IF "YES" TO ITEM 20, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?**  
    □FOUNDBRED  ☑PREGOED  ☑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 COUNTRIES?**  
    X YES  □NO

   If yes, you must provide the date of first sale, disposition, transfer, or use for each country and the circumstances. (Please use space indicated on reverse.)

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

   If yes, please give country, date of filing or issuance and assigned reference number. (Please use space indicated on reverse.)

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) is (are) 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 41, 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

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

**DATE**  
05/10/99

**SIGNATURE OF OWNER**  

Randy Dismuke

**CAPACITY OR TITLE**  
President
Delapine Seed

**DATE**  
05/05/99

S&T-470 (5-98) 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 409 B/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, ORM, 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, and 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 USDA Office of Communications at (202) 720-7291. 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.

S&T-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 409 B/RR

ORIGIN AND BREEDING HISTORY

DP 409 B/RR was developed by the backcross breeding method. The donor parent for the Roundup Ready Gene was a BC4F1 of the variety DP5816 whose donor parent intern was a plant of the cotton variety COKER 312 LINE 1445 developed by the Monsanto Company. The donor parent for the Bt gene was a line with insertion 531 of construct PV-GHKBK06 containing a Bacillus thuringiensis var. kurstaki pesticide protein developed by the Monsanto Company.

The F1, BC1, BC2 crosses for both the Roundup and Bt genes were made in Delta and Pine Land's greenhouse in Scott, MS. BC2 plants confirmed resistant to "Roundup" were crossed with BC2 plants that were confirmed to carry the Bt gene. Plants confirmed to carry both genes were backcrossed to DP5409 to get BC3F1 plants. BC3F1 and BC3F2 plants were selfed in the greenhouse at Scott, MS.

BC3F3 progeny rows were grown at Scott, MS in the summer of 1997. Progeny rows were tested for trueness to type of the recurrent parent DP 5409. Those true to type and also containing the "Roundup Ready Gene" and the "Bt Gene" in a homozygous form were bulked to form the variety DP 409 B/RR. The line was sent to winter nursery in South Africa for increase during the 1997-98 season.

DP 409 B/RR was evaluated across the cotton belt in replicated research plots in 1998. Separate isolated increases of DP 409 B/RR were grown in 1998.
DELTA AND PINE LAND COMPANY

STATEMENT OF UNIFORMITY AND STABILITY
FOR DP 409 B/RR

DP 409 B/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. Less than 2% of the plants do not contain the gene insertion 531 of construct PV-GHBK04 of Bacillus thuringiensis var. kurstaki pesticide which imparts resistance to several Lepidopteran insects.
EXHIBIT B
DELTA AND PINE LAND COMPANY’S APPLICATION FOR DP 409 B/RR

NOVELTY STATEMENT

DP 409 B/RR is most similar to DP 5409. DP 409 B/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) and the gene of Insertion 531 of construct PV-GHΒK04 containing a Bacillus thuringiensis var. kurstaki pesticide protein imparting resistance to Lepidopteran insects. DP 409 B/RR has fiber properties that are different than DP 5409. DP 409 B/RR produced fiber with lower strength (0.5), shorter length (0.02), and lower micronaire (0.1-0.2) than DP 5409. All other fiber qualities, plant type and plant map data were very similar between the two.

Coker 312 Line 531 has the following transgenic insertion.

phenotype: Lepidopteran insect resistance
constructs: PV-GHΒK04

genotype:

- promoter: CMoV - A 0.6 Kb 35S promoter region of cauliflower mosaic virus
- gene: cryIA © - FL B.t.k. - a 3.6 Kb gene encoding the full length Bacillus thuringiensis insect control protein.
- 3' non-translated region: E9 3' - the 0.7 Kb 3' non-translated region of the pea rbcS-E9 gene Agrobacterium tumefaciens T-DNA.

selectable marker:

- promoter 35S - A 0.35 Kb 35S promoter region of cauliflower mosaic virus.
- gene: NPlI - the 0.83 Kb neomycin phosphotransferase type II gene that confers kanamycin resistance.
- 3' non-translated region: NOS 3' - from the nopaline synthase gene of Agrobacterium tumefaciens T-DNA.

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.
U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

EXHIBIT C
(COTTON)

OBJECTIVE DESCRIPTION OF VARIETY
COTTON (Gossypium spp.)

<table>
<thead>
<tr>
<th>NAME OF APPLICANT(S)</th>
<th>TEMPORARY DESIGNATION</th>
<th>VARIETY NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delta Pine Land Company d/b/a Deltapine Seed</td>
<td>DPX 9829B/RR</td>
<td>DP 409 B/RR</td>
</tr>
</tbody>
</table>

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
9900296

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. DP 5409
Variety 2
Variety 3

*1. SPECIES:
XX G. hirsutum L.
G. barbadense L.

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

<table>
<thead>
<tr>
<th>A_Eastern</th>
<th>A_Delta</th>
<th>A_Central</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA_Plains</td>
<td>NA_Western</td>
<td>A_Arizona</td>
</tr>
<tr>
<td>Other (Specify):</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Plant Habit:</th>
<th>Application Variety</th>
<th>Comparison Variety 1</th>
<th>Comparison Variety 2</th>
<th>Comparison Variety 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spreading, Intermediate, Compact</td>
<td>Intermediate</td>
<td>Intermediate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foliage: Sparse, Intermediate, Dense</td>
<td>Intermediate</td>
<td>Intermediate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stem Lodging: Lodging, Intermediate, Erect</td>
<td>Erect</td>
<td>Erect</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fruiting Branch: Clustered, Short, Normal</td>
<td>Normal</td>
<td>Normal</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Growth:**
- Determinate, Intermediate,
- Indeterminate

**Leaf Color:**
- Greenish yellow, Light green,
- Medium green, Dark green

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

**Boll Breadth:**
- Broadest at base,
- Broadest at middle

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

<table>
<thead>
<tr>
<th>Date of 50 % open bolls</th>
<th>18 Sept.</th>
<th>17 Sept.</th>
</tr>
</thead>
</table>

5. **PLANT:**

**Cm to 1st Fruiting Branch:**
- (from cotyledonary node) 25 cm, 23 cm

**No. of Nodes to 1st Fruiting Branch:**
- (excluding cotyledonary node) 5.5, 5.7

**Mature Plant Height cm:**
- (from cotyledonary node to terminal) 115, 118

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

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

**Pubescence:**
- Absent, Sparse,
- Medium, Dense OR Trichomes/cm²
- (Bottom surface excluding veins) Sparse, Sparse

**Nectaries:**
- Present or Absent

*7. STEM PUBESCENCE:
- Glabrous, Intermediate, Hairy

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

**Leaf:**
- Normal

**Stem:**
- Normal

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

*9. FLOWER:

**Petals:** Cream, Yellow

**Pollen:** Cream, Yellow

**Petal Spot:** Present, Absent
- Absent
**Seed Index:**
(g/100 seed, fuzzy basis)  
9.9  
10.2

**Lint Index:**
(g lint/100 seeds)

*11. BOLL:

**Lint Percent:**

- [ ] Picked  
- [ ] Pulled  
36.6  
36.8

**OR**

**Gin Turnout:**

- [ ] Picked  
- [ ] Stripped

**Number of Seeds per Boll**

**Grams Seed Cotton per Boll**

**Number of Locules per Boll**

4 - 5  
4 - 5

**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:** (%)  
82  
83

* **Strength, T1 (g/tex)**  
27.3  
28.4

* **Elongation, E1 (%)**  
10.5  
10.2

* **Micronaire:**  
4.0  
4.2

**Finessness (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)

- [ ] Alternaria macrospora  
- [ ] Fusarium Wilt

- [ ] Anthracnose  
- [ ] Phymatotrichum Root Rot

- [ ] Ascochyta Blight  
- [ ] Pythium (specify species)

- [ ] Bacterial Blight (Race 1)  
- [ ] Rhizoctonia solani

- [ ] Bacterial Blight (Race 2)  
- [ ] Southwestern Cotton Rust

- [ ] Bacterial Blight (Race ___)  
- [ ] Thielaviopsis basicola
13. DISEASES: (continued)

-NT_ Diplodia Boll Rot
-NT_ Verticillium Wilt

- Other (specify)

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
-R_ Bollworm
-NT_ Cotton Aphid
-NT_ Cotton Fleahopper
-NT_ Cotton Leafworm
-NT_ Cutworm (specify species):
-NT_ Fall Armyworm

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

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

DP 409 B/RR has incorporated into its genome a gene which confers resistance to the herbicide Glyphosate and a gene which confers resistance to certain Heliothes insects.
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.
## Comparison of DP 5409 to DP 409 B/RR
Plant map data from corporate research yield trials 1998 -- 3 locations

<table>
<thead>
<tr>
<th>Variety</th>
<th># Nodes 95%</th>
<th>NWCB</th>
<th>50% 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>
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</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>
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<tr>
<td>DP 409 B/RR</td>
<td>21.5</td>
<td>19.1</td>
<td>18-Sep</td>
<td>47.4</td>
<td>26.7</td>
<td>5.5</td>
<td>21.2</td>
<td>1.8</td>
<td>18.2</td>
<td>49.4</td>
<td>23.5</td>
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<td>11.6</td>
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<tr>
<td>Variety</td>
<td>Seed Cotton Weight</td>
<td>Lint Percent</td>
<td>Lint Yield</td>
<td>Micronaire</td>
<td>Length</td>
<td>Uniformity</td>
<td>Strength</td>
<td>Elasticity</td>
<td>Spinning Index</td>
<td>Color Grade</td>
<td>Yellowness</td>
<td>Efficiency</td>
<td>Trash Area</td>
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<tr>
<td>DP 5409</td>
<td>3762</td>
<td>0.3728</td>
<td>1294</td>
<td>4.6</td>
<td>1.17</td>
<td>83.8</td>
<td>27.8</td>
<td>9.5</td>
<td>53.0</td>
<td>42.9</td>
<td>7.02</td>
<td>74.9</td>
<td>0.68</td>
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<tr>
<td>DP 409 B/RR</td>
<td>3764</td>
<td>0.3681</td>
<td>1299</td>
<td>4.4</td>
<td>1.15</td>
<td>83.2</td>
<td>27.0</td>
<td>9.7</td>
<td>52.0</td>
<td>42.9</td>
<td>7.08</td>
<td>75.3</td>
<td>0.68</td>
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EXHIBIT E

DELTA AND PINE LAND COMPANY'S APPLICATION FOR
DP 409 B/RR

DP 409 B/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 409 B/RR to its wholly owned subsidiary, D&PL Technology Holding Corp.

DP 409 B/RR contains two proprietary genes, patented by the Monsanto Company and licensed to D&PL. One gene encodes a protein providing tolerance to the herbicide glyphosate, and the other encodes an insect toxin, both in cotton cultivars.