

No.

9800085



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

D&H Technology Holding Corp.

Whereas, THERE HAS BEEN PRESENTED TO THE

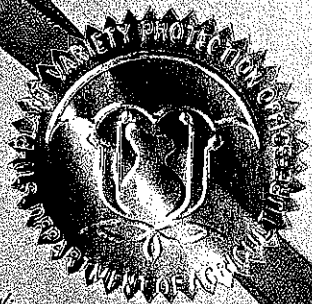
Secretary of Agriculture

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, OR 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.)

SOYBEAN

'SG 617 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 tenth day of April, in the year two thousand three.

Attest:

R. M. Jubal

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Freeman

Secretary

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

1. NAME OF OWNER

D&PL Technology Holding Corp.

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME

DPX 16 RR

3. VARIETY NAME

SG 617 RR

4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)

100 N. Main Street
Scott, Mississippi 38772

5. TELEPHONE (include area code)

662.742.4141

FOR OFFICIAL USE ONLY:

PVPO NUMBER

98000&5

6. FAX (include area code)

662.742.3182

FILING DATE

1/21/1998

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

February 29, 1996

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)

Kelly Casavechia
Research Coordinator
Delta and Pine Land Company
P.O. Box 157
Scott, MS 38772

FILING AND EXAMINATION FEES:

\$ 2,450.00

DATE 01/21/1998

CERTIFICATION FEE:

\$ 320.00

DATE 11/22/2002

11. TELEPHONE (include area code)

662.742.4141

12. FAX (include area code)

662.742.3182

13. E-MAIL kelly.h.casavechia@deltaandpine.com

14. CROP KIND (Common Name)

SOYBEAN

15. GENUS AND SPECIES NAME OF CROP

GLYCINE MAX

16. FAMILY NAME (Botanical)

LEGUMINOSAE

17. IS THE VARIETY A FIRST GENERATION HYBRID?

YES NO

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

- a. Exhibit A. Origin and Breeding History of the Variety
- b. Exhibit B. Statement of Distinctness
- c. Exhibit C. Objective Description of Variety
- d. Exhibit D. Additional Description of the 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 (\$2,705), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)

19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE 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 BE LIMITED AS TO NUMBER OF CLASSES?

IF YES, WHICH CLASSES? FOUNDATION REGISTERED CERTIFIED NO

21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?

IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOUNDATION REGISTERED CERTIFIED NO

(If additional explanation is necessary, please use the space indicated on the reverse.)

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? As of the original date of the application: YES NO 1/15/98

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 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

SIGNATURE OF OWNER

NAME (Please print or type)

William V. Hugie

NAME (Please print or type)

CAPACITY OR TITLE Vice President

Director of Research

DATE

9/11/02

CAPACITY OR TITLE

DATE

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Complete 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 (\$320 filing fee and \$2,385 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 unfilled. 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 \$320 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

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

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 a 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 55 of the Act for instructions on claiming the benefit of an earlier filing date.

21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

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.)

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 rights (Plant Breeder's Right or Patent).)

Roundup Ready seeds are covered under U.S. patents 5,633,435; 5,352,605; 5,530,196; 5,188,642; 4,940,835; 5,717,084; 5,728,925; and 5,804,425.

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. <http://www.ams.usda.gov/lsg/seed/lsg-sd.htm>

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours 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.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family 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's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

S&T-470 (04-01) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (02-99) which is obsolete.

EXHIBIT A

~~SUREGROW SEED, INC.~~ APPLICATION FOR SG 617RR ^{617 RR} (87-9/20/2002)
~~D&P L Technology Holding Corp. (87-9/20/2002)~~

ORIGIN AND BREEDING HISTORY

- Winter 1992 Original cross and first backcross made between DPX 2384 and Roundup tolerant experimental line 40~~2-3~~ (CF: 8/22/02)
- Fall 1992 DP 415 crossed with Roundup tolerant F₁ plants from 2384 BC₁F₁
- Winter 1993 P9592 crossed to Roundup tolerant F₁ plants from DP415/2384 BC₁F₁
- Summer 1993 Cross 93408 made - A5979 crossed to Roundup tolerant F₁ plants from P9592//DP 415/2384 BC₁F₁
- Winter 1993-94 Roundup tolerant F₁ plants advanced to F₂ under lights from cross 93408 in Costa Rica and seed was bulked
- Summer 1994 Roundup tolerant F₂ advanced to F₃ by modified single seed descent in Costa Rica
- Fall 1994 Roundup tolerant F₃ plants space planted. Individual plant selections harvested and threshed separately in Costa Rica.
- Winter 1994-95 F₄ Roundup tolerant plant rows from cross 93408 were grown in 3 meter rows in Costa Rica. Row 93408-792 was selected, composited and determined to be stable and breeding true for characteristics described in Exhibit C of this application. No variants were known or observed at this time and no variants have been observed by the breeder since the inception of seed increase up to the present (3 years).
- Summer 1995 -
- Winter 1996 Yield tested at Scott, Mississippi. Border rows harvested and sent to Costa Rica for a double increase in fall of 1995 and winter of 1996. About 100 units of breeder seed were produced.
- Summer 1996 93408-792 yield tested in 9 Deltapine Seed tests as DPX 16RR and increased to 650 bushels of foundation seed. DPX 16RR was designated as SG 617RR
- 1997 Tested in state AES trials and released. Seed increased for first sales in 1998.

EXHIBIT B

~~SUREGROW SEED, INC.~~ APPLICATION FOR SG ^{617 RR} ~~617RR~~ (BT: 9/20/2002)
D&P Technology Holding Corp (BT: 9/20/2002)

NOVELTY STATEMENT

To our knowledge, SG ^{617 RR} ~~617RR~~ (BT: 9/20/2002) most resembles DP 6200RR, DP 5806RR, and DP ⁵⁹⁶⁰ ~~5690~~RR. (BT: 8/24/02)
Differences include, but are not restricted to the following:

- 1) SG ^{617 RR} ~~617RR~~ (BT: 9/20/2002) is tolerant to high chloride soils whereas DP 6200RR and DP 5960RR are chloride includers and not tolerant to high chloride soil conditions.
- 2) SG ^{617 RR} ~~617RR~~ (BT: 9/20/2002) is susceptible to race 14 of soybean cyst nematode whereas DP 5806RR, DP 5960RR and DP 6200RR are resistant. Data is as follows:

**UNIVERSITY OF TENNESSEE TEST FOR SOYBEAN CYST NEMATODE REACTION
CONDUCTED BY: Dr. Lawrence O. Young, USDA Nematologist, Jackson, TN,
November-December 1995**

	Score <u>Race 3</u>	Score <u>Race 14</u>
SG 617 RR	1.0	4.4
DP 5806 RR	2.7	2.7
DP 5960 RR	1.0	2.0
DP 6200 RR	1.5	1.9
SUS CHK.	4.0	5.0
RES CHK.	1.1	1.6

¹Rating Scale: 1= 0-5 cysts/plant, 2= 6-10 cysts/plant, 3= 11-20 cysts/plant, 4= 21-40 cysts/plant, 5= >40 cysts/plant.

²Score is the average score of seven plants with 1 being highly resistant and five being highly susceptible. A score of <3 indicates resistance and >3 indicates susceptible.

OBJECTIVE DESCRIPTION OF VARIETY
 SOYBEAN (*Glycine max* L.)

NAME OF APPLICANT(S) DBPL Technology Holding Corp. Suregrow Seed, Inc. (BT: 9/20/2002)	TEMPORARY DESIGNATION DPX 16RR	VARIETY NAME 617 RR SG 617RR (BT: 9/29/2002)
ADDRESS (Street and No., or R.F.D. No., City, State, and Zip Code) 7265 Highway 9 South, Centre, AL 35960 100 N. Main Street Scott, MS 38772 (BT: 9/20/2002)		FOR OFFICIAL USE ONLY PVPO NUMBER 9800085

Choose the appropriate response which characterizes the variety in the features described below. When the number of significant digits in your answer is fewer than the number of boxes provided, place a zero in the first box when number is 9 or less (e.g.,). Starred characters ★ are considered fundamental to an adequate soybean variety description. Other characters should be described when information is available.

1. SEED SHAPE:

<input type="text" value="2"/>			
	1 - Spherical (LW, LT, and TW ratios = < 1.2)		2 - Spherical Flattened (LW ratio > 1.2; LT ratio = < 1.2)
	3 - Elongate (LT ratio > 1.2; TW = < 1.2)		4 - Elongate Flattened (LT ratio > 1.2; TW > 1.2)

★ 2. SEED COAT COLOR: (Mature Seed)

<input type="text" value="1"/>	1 - Yellow	2 - Green	3 - Brown	4 - Black	5 - Other (Specify) _____
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3. SEED COAT LUSTER: (Mature Hand Shelled Seed)

<input type="text" value="1"/>	1 - Dull ('Conroy 79'; 'Braxton')	2 - Shiny ('Nebcoy'; 'Gasoy 17')
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★ 4. SEED SIZE: (Mature Seed)

<input type="text" value="1"/>	<input type="text" value="5"/>	Grams per 100 seeds
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★ 5. HILUM COLOR: (Mature Seed)

<input type="text" value="1"/>	1 - Buff	2 - Yellow	3 - Brown	4 - Gray	5 - Imperfect Black	6 - Black	7 - Other (Specify) _____
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★ 6. COTYLEDON COLOR: (Mature Seed)

<input type="text" value="1"/>	1 - Yellow	2 - Green
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★ 7. SEED PROTEIN PEROXIDASE ACTIVITY:

<input type="text" value="0"/>	1 - Low	2 - High
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★ 8. SEED PROTEIN ELECTROPHORETIC BAND:

<input type="text" value="0"/>	1 - Type A (SP1 ^a)	2 - Type B (SP1 ^b)
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★ 9. HYPOCOTYL COLOR:

<input type="text" value="1"/>	1 - Green only ('Evans'; 'Davis')	2 - Green with bronze band below cotyledons ('Woodworth'; 'Tracy')
	3 - Light Purple below cotyledons ('Beeson'; 'Pickett 71')	
	4 - Dark Purple extending to unifoliate leaves ('Hodgson'; 'Coker Hampton 266A')	

★ 10. LEAFLET SHAPE:

<input type="text" value="3"/>	1 - Lancolate	2 - Oval	3 - Ovate	4 - Other (Specify) _____
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9800085

11. LEAFLET SIZE:

- 2 1 - Small ('Amsoy 71'; 'A5312') 2 - Medium ('Corsoy 79'; 'Gasoy 17')
- 3 - Large ('Crawford'; 'Tracy')

12. LEAF COLOR:

- 3 1 - Light Green ('Weber'; 'York') 2 - Medium Green ('Corsoy 79'; 'Braxton')
- 3 - Dark Green ('Gnome'; 'Tracy')

★ 13. FLOWER COLOR:

- 1 1 - White 2 - Purple 3 - White with purple throat

★ 14. POD COLOR:

- 1 1 - Tan 2 - Brown 3 - Black

★ 15. PLANT PUBESCENCE COLOR:

- 1 1 - Gray 2 - Brown (Tawny)

16. PLANT TYPES:

- 2 1 - Slender ('Essex'; 'Amsoy 71') 2 - Intermediate ('Amco'; 'Braxton')
- 3 - Bushy ('Gnome'; 'Govan')

★ 17. PLANT HABIT:

- 1 1 - Determinate ('Gnome'; 'Braxton') 2 - Semi-Determinate ('Will')
- 3 - Indeterminate ('Nebsoy'; 'Improved Pelican')

★ 18. MATURITY GROUP:

- | | | | | | | | | | |
|---------------------------------------|---------------------------------------|---------|----------|-----------|---------|--------|---------|--------|-------|
| <input checked="" type="checkbox"/> 0 | <input checked="" type="checkbox"/> 9 | 1 - 000 | 2 - 00 | 3 - 0 | 4 - I | 5 - II | 6 - III | 7 - IV | 8 - V |
| | | 9 - VI | 10 - VII | 11 - VIII | 12 - IX | 13 - X | | | |

Maturity = 6.1 (BT: 9/20/2002 per info on Exhibit D)

★ 19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

BACTERIAL DISEASES:

- ★ 1 Bacterial Pustule (*Xanthomonas phaseoli* var. *sojensis*)
- ★ 0 Bacterial Blight (*Pseudomonas glycines*)
- ★ 0 Wildfire (*Pseudomonas tabaci*)

FUNGAL DISEASES:

- ★ 0 Brown Spot (*Septoria glycines*)
- Frogeye Leaf Spot (*Cercospora sojina*)
- ★ Race 1 Race 2 Race 3 Race 4 Race 5 2 Other (Specify) RACE UNKNOWN
- 2 Target Spot (*Corynespora cassiicola*)
- 0 Downy Mildew (*Peronospora trifoliorum* var. *manshurica*)
- 0 Powdery Mildew (*Microspheera diffusa*)
- ★ 0 Brown Stem Rot (*Cephalosporium gregatum*)
- 2 Stem Canker (*Diaporthe phaseolorum* var. *caulivora*)

19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant) (Continued)

FUNGAL DISEASES: (Continued)

- ★ 0 Pod and Stem Blight (*Diaporthe phaseolorum* var. *sojae*)
- 0 Purple Seed Stain (*Cercospora kikuchii*)
- 0 Rhizoctonia Root Rot (*Rhizoctonia solani*)
- Phytophthora Rot (*Phytophthora megasperma* var. *sojae*)
- ★ 1 Race 1 Race 2 Race 3 Race 4 Race 5 Race 6 Race 7
- Race 8 Race 9 Other (Specify) _____

VIRAL DISEASES:

- 0 Bud Blight (Tobacco Ringspot Virus)
- 0 Yellow Mosaic (Bean Yellow Mosaic Virus)
- ★ 0 Cowpea Mosaic (Cowpea Chlorotic Virus)
- 2 Pod Mottle (Bean Pod Mottle Virus)
- ★ 2 Seed Mottle (Soybean Mosaic Virus)

NEMATODE DISEASES:

- Soybean Cyst Nematode (*Heterodera glycines*)
- ★ Race 1 Race 2 2 Race 3 Race 4 1 Other (Specify) RACE 14
- 0 Lance Nematode (*Hoplolaimus Colonus*)
- ★ 1 Southern Root Knot Nematode (*Meloidogyne Incognita*)
- ★ 0 Northern Root Knot Nematode (*Meloidogyne Hapla*)
- 1 Peanut Root Knot Nematode (*Meloidogyne arenaria*)
- 0 Reniform Nematode (*Rotylenchulus reniformis*)
- 0 OTHER DISEASE NOT ON FORM (Specify): _____

20. PHYSIOLOGICAL RESPONSES: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

- ★ 0 Iron Chlorosis on Calcareous Soil
- 2 Other (Specify) TOLERANT TO HIGH CHLORIDE SOILS

21. INSECT REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

- 0 Mexican Bean Beetle (*Epilachna varivestis*)
- 2 Potato Leaf Hopper (*Empoasca fabae*)
- Other (Specify) _____

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant Shape	DP 6200 RR	Seed Coat Luster	DP 6200 RR
Leaf Shape	DP 6200 RR	Seed Size	DP 6200 RR
Leaf Color	DP 6200 RR	Seed Shape	DP 6200 RR
Leaf Size	DP 6200 RR	Seedling Pigmentation	DP 6200 RR

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data

VARIETY	NO. OF DAYS MATURITY	PLANT LODGING SCORE	CM PLANT HEIGHT	LEAFLET SIZE		SEED CONTENT		SEED SIZE G/100 SEEDS	NO. SEEDS/POD
				CM Width	CM Length	% Protein	% Oil		
SG 617RR Submitted	133	1.4	61			37.7	17.0	15.0	
DP 6200 RR Name of Similar Variety	132	1.1	58			38.3	16.6	15.7	

PUBLICATIONS USEFUL AS REFERENCE AIDS FOR COMPLETING THIS FORM:

1. Caldwell, B.E., ed. 1973. Soybeans: Improvement, Production, and Uses. Amer. Soc. Agron. Monograph No. 16.
2. Buttery, B.F. and R.J. Butzell. 1968. Peroxidase activity in seeds of soybean varieties. Crop Sci., 8: 722-725.
3. Hymowitz, T. 1973. Electrophoretic analysis of SBTI-A₂ in the USDA soybean germplasm collection. Crop Sci., 13: 420-421.
4. Payne, R.C. and L.F. Morris. 1976. Differentiation of soybean cultivars by seedling pigmentation patterns. J. Seed Technol. 1: 1-19.

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EXHIBIT D

~~SUREGROW SEED, INC.~~ APPLICATION FOR SG 617RR
DxPL Technology Holding Corp. (8/29/20/2002)

ADDITIONAL DESCRIPTION OF VARIETY

SG 617RR is an F₃ Roundup tolerant selection composited in the F₄ generation from the cross of A5979///P9592//DP 415/2384 BC₁F₁. It has white flowers, gray pubescence, and tan pods. Seeds are dull yellow with buff hila. SG 617RR is early group VI maturity RM = 6.1. It is resistant to race 3 soybean cyst nematode, stem canker and soybean mosaic virus. It is susceptible to root knot nematodes. It is tolerant to high chloride soils. Yields are very competitive compared to AG 6101, a Roundup ready, early VI from Asgrow.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

EXHIBIT E

STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) D&PL Technology Holding Corp.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER DPX 16 RR	3. VARIETY NAME SG 617 RR
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) 100 N. Main Street Scott, Mississippi 38772	5. TELEPHONE (Include area code) 662.742.4141	6. FAX (Include area code) 662.742.3182
	7. PVPO NUMBER 9800085	

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. YES NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. YES NO

10. Is the applicant the original owner? YES NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)? YES NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company? YES NO If no, give name of country

11. Additional explanation on ownership (If needed, use the reverse for extra space):

SG 617 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 soybean cultivars.

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 6 minutes per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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