No. 8000144

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Coker's Pedigreed Seed Company

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED 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 eighteen 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 EX- E OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, PORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT V THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. NITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS F CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COMMON WHEAT

'Southern Belle'

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 *this* 14th *day of* January *in the year of our Lord one thousand nine hundred and* eighty-two.

PLANT VARIETY PROTECTION OFFICE · U.S. DEPARTMENT OF AGRICULTURE

Attest:

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Secretary of Agriculture

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

FORM APPROVED
OMB NO. 40-R3822

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1a. TEMPORARY DESIGNATION OF VARIETY Coker 75-6	1b. VARIETY NAME 'Southern Belle'	FOR OFFICIAL USE ONLY PV NUMBER 8000144
2. KIND NAME Wheat	3. GENUS AND SPECIES NAME Triticum Aestivum L.	FILING DATE 7/23/80 — TIME 11:30 A.M. P.M. FEE RECEIVED $ 500.00 — DATE 7/23/80
4. FAMILY NAME (BOTANICAL) Graminae	5. DATE OF DETERMINATION 1976	$ 250.00 — 10/23/81
6. NAME OF APPLICANT(S) Coker's Pedigreed Seed Co.	7. ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)* P.O. Box 340 Hartsville, South Carolina 29550	8. TELEPHONE AREA CODE AND NUMBER (803) 332-7532
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: *(Corporation, partnership, association, etc.)* Corporation	10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION South Carolina	11. DATE OF INCORPORATION July 12, 1918

12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS:

Howard F. Harrison : Coker's Pedigreed Seed Company, P.O. Box 340, Hartsville, South Carolina 29550

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- [x] 13A. Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant Variety Protection Act.)*
- [x] 13B. Exhibit B, Novelty Statement.
- [x] 13C. Exhibit C, Objective Description of the Variety *(Request form from Plant Variety Protection Office.)*
- [x] 13D. Exhibit D, Additional Description of the Variety.

14a. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? *(See Section 83(a). (If "Yes," answer 14B and 14C below.)* [X] YES [ ] NO 7/11/80

14b. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? [X] YES [ ] NO

14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUCTION BEYOND BREEDER SEED? [X] FOUNDATION [X] REGISTERED [X] CERTIFIED

15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? [ ] YES [X] NO *(If "Yes," give name of countries and dates.)*

15b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? [ ] YES [X] NO *(If "Yes," give name of countries and dates.)*

16. DOES THE APPLICANT(S) AGREE TO THE PUBLICATION OF HIS/HER (THEIR) NAME(S) AND ADDRESS IN THE OFFICIAL JOURNAL? [ ] YES [X] NO

17. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

6/26/80 (DATE) — Howard F. Harrison (SIGNATURE OF APPLICANT)

(DATE) — (SIGNATURE OF APPLICANT)

FORM GR-470 (1-78)

INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and $500 fee ($250 filing fee and $250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

5 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.

13a 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) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.

13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one 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 differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.

13c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.

13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.

14a 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 his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)

15a See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

JUN 23 1980
11:30

EXHIBIT A

Origin and Breeding History of the Variety

" Southern Belle"

1967-68	Cross made-x754-1-Atr./Coker 68-15
1968	F1 -Growth Chamber
1968-69	F2-Spaced plants
1969-70	F3-Spaced plants
1970-71	F4-Plant rows
1971-72	F5-Preliminary yield test from PR 662
1972-73	F6-Increase block, Coker 73-18
1972-73	F6-Headrows
1973-74	F7-HR 343 to yield test
1974-75	F8-Increase block Coker 75-6
1975-76	F9-Entered in Uniform Southern Soft Wheat Nursery

'Southern Belle' originated from a single F6 headrow, the selection of which was based on heading date, visual appearance and disease reaction.

Subsequent cycles of headrows have indicated variants some 4 to 10 inches taller in the amount of .1%.

Performance data has been recorded in the 1976 report of the Uniform Southern Soft Wheat Nursery, a copy of which is submitted.

After observation in the field, 'Southern Belle' has been determined to be genetically stable and uniform.

D 9/4/81

E X H I B I T

B

Novelty Statement

' Southern Belle' Wheat

Character	Scale	'Coker 68-15'	'Southern Belle'	Mean Diff.	No. Tests	F Value	Prob. %
Height	Inches	35.8	31.8	4.0	11	12.3	99
Heading Date	After Dec.31	108.8	104.4	4.2	11	4.7	94

'Southern Belle' most nearly resembles 'Coker 68-15'

9/4/81

'Southern Belle' has a higher level of resistance to powdery mildew than 'Coker 68-15'.

FORM APPROVED. OMB NO. 40-R3712

FORM GR-470-6
(10-16-72)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*TRITICUM SPP.*)

INSTRUCTIONS: *See Reverse.*

NAME OF APPLICANT(S)
Coker's Pedigreed Seed Company

ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*
P.O. Box 340
Hartsville, South Carolina 29550

FOR OFFICIAL USE ONLY
PVPO NUMBER 8000144
VARIETY NAME OR TEMPORARY DESIGNATION 'Southern Belle'

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. KIND:
[1] 1 = COMMON 2 = DURUM 3 = EMMER 4 = SPELT 5 = POLISH 6 = POULARD 7 = CLUB

2. TYPE:
[2] 1 = SPRING 2 = WINTER 3 = OTHER *(Specify)* _____
[1] 1 = SOFT 2 = HARD 3 = OTHER *(Specify)* _____
[2] 1 = WHITE 2 = RED 3 = OTHER *(Specify)* _____

3. SEASON - NUMBER OF DAYS FROM EMERGENCE TO:
[ ][ ][ ] FIRST FLOWERING
[ ][ ][ ] LAST FLOWERING

4. MATURITY *(50% Flowering)*:
[0][6] NO. OF DAYS *EARLIER* THAN .....
[ ][ ] NO. OF DAYS *LATER* THAN .....
[7] 1 = ARTHUR 2 = SCOUT 3 = CHRIS 4 = LEMHI 5 = NUGAINES 6 = LEEDS 7=Arthur 71
6 Days Earlier Than Arthur 71

5. PLANT HEIGHT *(From soil level to top of head)*:
[0][8][3] CM. HIGH
[ ][ ] CM. TALLER THAN .....
[1][0] CM. SHORTER THAN .....
[ ] [1] 1 = ARTHUR 2 = SCOUT 3 = CHRIS 4 = LEMHI 5 = NUGAINES 6 = LEEDS

6. PLANT COLOR AT BOOTING *(See reverse)*: RHS 137B
[2] 1 = YELLOW GREEN 2 = GREEN 3 = BLUE GREEN

7. ANTHER COLOR:
[1] 1 = YELLOW 2 = PURPLE

8. STEM:
[1] Anthocyanin: 1 = ABSENT 2 = PRESENT
[2] Hairiness of last internode of rachis: 1 = ABSENT 2 = PRESENT
[0][4] NO. OF NODES *(Originating from node above ground)*
[2] Waxy bloom: 1 = ABSENT 2 = PRESENT
[1] Internodes: 1 = HOLLOW 2 = SOLID
[1][8] CM. INTERNODE LENGTH BETWEEN FLAG LEAF AND LEAF BELOW
9/4/81

9. AURICLES:
[2] Anthocyanin: 1 = ABSENT 2 = PRESENT
[2] Hairiness: 1 = ABSENT 2 = PRESENT

10. LEAF:
[1] Flag leaf at booting stage: 1 = ERECT 2 = RECURVED 3 = OTHER *(Specify)*: _____
[ ] Hairs of first leaf sheath: 1 = ABSENT 2 = PRESENT
[1][2] MM. LEAF WIDTH *(First leaf below flag leaf)*
[2] Flag leaf: 1 = NOT TWISTED 2 = TWISTED
[2] Waxy bloom of flag leaf sheath: 1 = ABSENT 2 = PRESENT
[2][0] CM. LEAF LENGTH *(First leaf below flag leaf)*:

FORM GR-470-6 (REVERSE)

11. HEAD:

[2] Density: 1 = LAX 2 = DENSE

[2] Shape: 1 = TAPERING 2 = STRAP 3 = CLAVATE 4 = OTHER *(Specify)* _____

[2] Awnedness: 1 = AWNLESS 2 = APICALLY AWNLETED 3 = AWNLETED 4 = AWNED

[1] Color at maturity: 1 = WHITE 2 = YELLOW 3 = PINK 4 = RED 5 = BROWN 6 = BLACK 7 = OTHER *(Specify)*: _____

[0 9] CM. LENGTH

[1 2] MM. WIDTH

12. GLUMES AT MATURITY:

[3] Length: 1 = SHORT *(CA. 7 mm.)* 2 = MEDIUM *(CA. 8 mm.)* 3 = LONG *(CA. 9 mm.)*

[3] Width: 1 = NARROW *(CA. 3 mm.)* 2 = MEDIUM *(CA. 3.5 mm.)* 3 = WIDE *(CA. 4 mm.)*

[1] Shoulder shape: 1 = WANTING 2 = OBLIQUE 3 = ROUNDED 4 = SQUARE 5 = ELEVATED 6 = APICULATE

[1] Beak: 1 = OBTUSE 2 = ACUTE 3 = ACUMINATE

13. COLEOPTILE COLOR:

[1] 1 = WHITE 2 = RED 3 = PURPLE

14. SEEDLING ANTHOCYANIN:

[1] 1 = ABSENT 2 = PRESENT

15. JUVENILE PLANT GROWTH HABIT:

[2] 1 = PROSTRATE 2 = SEMI-ERECT 3 = ERECT

16. SEED:

[3] Shape: 1 = OVATE 2 = OVAL 3 = ELLIPTICAL

[1] Cheek: 1 = ROUNDED 2 = ANGULAR

[2] Brush: 1 = SHORT 2 = MEDIUM 3 = LONG

[2] Brush: 1 = NOT COLLARED 2 = COLLARED

[2] Phenol reaction *(See instructions)*: 1 = IVORY 2 = FAWN 3 = LT. BROWN 4 = BROWN 5 = BLACK

[3] Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE 5 = OTHER *(Specify)* _____

[0 6] MM. LENGTH

[0 3] MM. WIDTH

[3 3] GM. PER 100 SEEDS

17. SEED CREASE:

[1] Width: 1 = 60% OR LESS OF KERNEL 'WINOKA' 2 = 80% OR LESS OF KERNEL 'CHRIS' 3 = NEARLY AS WIDE AS KERNEL 'LEMHI'

B 9/4/81

[1] Depth: 1 = 20% OR LESS OF KERNEL 'SCOUT' 2 = 35% OR LESS OF KERNEL 'CHRIS' 3 = 50% OR LESS OF KERNEL 'LEMHI'

B 9/4/81

18. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[2] STEM RUST *(Races)* _____

[2] LEAF RUST *(Races)* _____

[0] STRIPE RUST *(Races)* _____

[0] LOOSE SMUT

[1] POWDERY MILDEW

[0] BUNT

[ ] OTHER *(Specify)* _____

19. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[0] SAWFLY

[0] APHID *(Bydv.)*

[0] GREEN BUG

[0] CEREAL LEAF BEETLE

[ ] OTHER *(Specify)* _____

HESSIAN FLY RACES:

[2] GP [ ] A [1] B [1] C

[1] D [ ] E [ ] F [ ] G

20. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering	Coker 68-15	Seed size	
Leaf size	"	Seed shape	
Leaf color	"	Coleoptile elongation	
Leaf carriage	"	Seedling pigmentation	

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

(a) L.W. Briggle and L. P. Reitz, 1963, Classification of Triticum Species and Wheat Varieties Grown in the United States, Technical Bulletin 1278, United States Department of Agriculture.

(b) W.E. Walls, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts. *(See attachment.)*

JUN 23 1980 11:30 AM

LEAF COLOR: Nickerson's or any recognized color fan should be used to determine the leaf color of the described variety.

8000144

"Southern Belle'

EXHIBIT D

Additional Description of the Variety

'Southern Belle' is a semi-dwarf Soft Red Winter Wheat Variety Developed by Coker's Pedigreed Seed Company from the cross Atr./Coker 68-15. Juvenile growth habit semi-prostrate. Leaf color is green approximating R.H.S. 137B. Flag leaves are erect to only slightly drooping and slightly twisted at booting. D 9/4/81

Stems are rather short with an average of 4 nodes above ground. Internode distance from flag leaf to node below averages about 18 cm. Head exertion from lower spike node ranges from 8 to 14 cm and averages about 11 cm.

Heads are middense, yellow, strap-shaped and apically awnletted, the longest of which seldom exceed 25 mm.

Glumes are long, wide, white, beaks obtuse, shoulders wanting.

Seed are red with rounded shoulders mid-sized brush frequently with indistinct collar.

Resistance to powdery mildew is about the same as for Arthur 71. Reaction to leaf rust is mixed, indicating resistance to some races, but not to others.

Stem rust resistance is conditioned by the genes, 8, Tt-1.

Table 16 . Micro-quality analysis - Tifton, Ga. wheats, Soft Wheat Quality Laboratory, Wooster, Ohio - August 1976.

Entry	Moisture	Protein As Is	Protein 14%	Particle Size Index	AWRC**	Classification
La. 754	10.7	13.99	13.5*	22.3	63.2	B
Coker 75-6	10.5	13.70	13.2*	24.9	66.1*	E
Coker 75-20	10.6	14.85	14.3*	22.2	63.5	B
Coker 75-24	10.2	15.50	14.8*	22.2	72.9*	E
Coker 75-29	10.0	13.90	13.3*	21.3	62.6	B
Coker 74-27	10.3	12.28	11.8	28.2	63.8*	D
Coker 74-20	10.0	13.72	13.1*	32.7	63.9*	E
Holley* Standard	9.9	13.15	12.6	22.7	62.0	A
Funks W-504	9.8	14.55	13.9*	33.5	66.8*	E
FLX63-104-423	9.5	16.65	15.8*	20.3*	63.4	E
FLX62-65-629	9.4	17.00	16.1*	21.0	69.3*	E
McNair 3001	9.6	12.45	11.8	36.3	63.1	A
McNair 3069	9.8	13.20	12.6	23.6	58.6	A
McNair 3003	9.9	14.09	13.4*	26.8	58.5	B
Va. 72-54-14	10.0	11.81	11.3	20.7*	60.5	C
Va. 68-22-7	9.6	15.90	15.1*	33.2	64.9*	E
Arthur 71	9.5	15.65	14.9*	30.0	69.1*	E
Oasis	9.8	17.16	16.4*	23.8	67.1*	E
Ga. 1123	9.6	14.50	13.8*	19.5*	65.5*	F
McNair 1813	9.7	15.18	14.5*	25.0	62.1	B
Doublecrop	10.2	12.70	12.2	23.5	63.9*	D

Cooperator - W. T. Yamazaki

Classification Guide

Test	(LSD .05)	Guideline Value	Limit Value
Wheat protein	0.5	12.5	13.0
Particle size index	0.5	22.7	20.9
**Alkaline water retention capacity	1.8	62.0	63.8

If a datum is at the limit value or exceeds it (in the wrong direction), a notation is appended to the datum. The classification of the entry is based on the notation schedule below:

Class A - no notation
Class B - high protein only
Class C - low particle size index only
Class D - high AWRC only
Class E - 2 stars
Class F - 3 stars

TRANSFER OF OWNERSHIP

A PROTECTED WHEAT VARIETY

SOUTHERN BELLE

Plant Variety Protection Certificate No. 8000144

In consideration of North American Plant Breeders, 5201 Johnson Drive, Mission, Kansas 66205, entering into a contractual agreement dated July 1, 1978, with Coker's Pedigreed Seed Company, Hartsville, South Carolina, Coker's Pedigreed Seed Company does hereby convey to North American Plant Breeders, free from all encumbrances, ownership of Southern Belle protected wheat variety, Certificate No. 8000144, dated January 14, 1982.

IN WITNESS AND NOTARIZED HEREOF this 3rd day of May, 1982.

WITNESS

Joyce K. Long

Lura A. Norwood

COKER'S PEDIGREED SEED COMPANY

By: E. Joe Palmer

Sworn and subscribed to before me this 6th day of May, 1982.

My Commission Expires March 20, 1990.

Robert A. Tyler

Notary Public for South Carolina

BILL OF SALE AND ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS that AGRIPRO BIOSCIENCES INC., a Delaware corporation (hereinafter referred to as "Seller"), pursuant to that certain Asset Purchase Agreement of even date herewith by and between Seller and AGR ACQUISITION CORPORATION, a Delaware corporation (hereinafter referred to as "Buyer") and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, does hereby grant, bargain, sell, assign, convey and deliver unto Buyer, all of Seller's right, title and interest in and to the plant varieties owned/registered by Seller and more particularly set forth on Exhibit A attached hereto for which PVP Certificates have been issued by or may be pending before the U. S. Department of Agriculture.

TO HAVE AND TO HOLD UNTO PURCHASER, its successors and assigns forever.

IN WITNESS WHEREOF, Seller has executed this Bill of Sale and Assignment as of the 30th day of June, 1994.

AGRIPRO BIOSCIENCES INC.

BY: W. A. Zama

Title: President

STATE OF KANSAS, COUNTY OF JOHNSON

Before me, the undersigned, a Notary Public of the State and County aforesaid, personally appeared W. A. ZAMA with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence) and who, upon oath, acknowledged himself to be the PRESIDENT of Agripro Biosciences Inc., the within named bargainor, a corporation, and that he as such PRESIDENT, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by himself as PRESIDENT.

WITNESS my hand and Notarial Seal at office the day and year above written.

Alma M. Weaver

Notary Public

My Commission Expires:

June 22, 1998

ALMA M. WEAVER
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. June 22, 1998

State of Delaware

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "AGR ACQUISITION CORPORATION", CHANGING ITS NAME FROM "AGR ACQUISITION CORPORATION" TO "AGRIPRO SEEDS, INC.", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF JUNE, A.D. 1994, AT 4:30 O'CLOCK P.M.

A CERTIFIED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS FOR RECORDING.

SECRETARY OF STATE

2394087 8100

AUTHENTICATION: 7169071

944121584

DATE: 07-01-94

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
AGR ACQUISITION CORPORATION

AGR Acquisition Corporation, a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: that the Board of Directors of said corporation, by the unanimous written consent of its members filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of said corporation:

RESOLVED, that the Certificate of Incorporation of this corporation be amended by changing the Article thereof numbered "ARTICLE I" so that, as amended, said Article shall be and read as follows:

"ARTICLE I

Name

The name of the corporation (hereinafter called the 'Corporation') is Agripro Seeds, Inc."

SECOND: That in lieu of a meeting and vote of stockholders, the sole shareholder of the corporation has given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

FOURTH: That the capital of said corporation shall not be reduced under or by reason of said amendment.

IN WITNESS WHEREOF, said AGR Acquisition Corporation has caused this certificate to be signed by Gary T. Hancock, its President, and attested by Ann Steelman, its Secretary, this 30th day of June, 1994.

AGR ACQUISITION CORPORATION

BY: Gary T. Hancock
Gary T. Hancock, President

ATTEST:

BY: Ann Steelman
Ann Steelman, Secretary

NAPB

NORTH AMERICAN PLANT BREEDERS INC.

5201 JOHNSON DRIVE, P.O. BOX 2955
MISSION, KANSAS 66201
(913) 384-4940 TWX 910-743-4160

November 30, 1983

Mr. Doug Smith
S & G Seed Processing
Alligator, MS 38770

Dear Mr. Smith:

We understand you are selling uncertified Southern Belle wheat. Southern Belle is a variety protected under the Plant Variety Protection Act, which is a Federal law. Southern Belle can only be sold by variety name as a class of certified seed.

We are the patent owners of this variety and wish to inform you that sales of this variety by variety name as uncertified seed constitute a violation of the Plant Variety Protection Act, the Federal Seed Act and our patent rights on this variety. It may also be a violation of the Mississippi seed laws.

We therefore, demand that you immediately cease and desist sales of uncertified Southern Belle wheat. If you wish to sell certified seed of this variety, seed is available from your nearest Agripro associate.

We have informed the Mississippi State authorities and the PVP office in Washington of our request.

Sincerely,

Keith O. Flynn
Senior Marketing Manager

KOF/ih

CC: Bill Schwer
Charles Burgess
PVP Office
Mississippi Seed Certification Agency

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION
NATIONAL AGRICULTURAL LIBRARY BUILDING
BELTSVILLE, MARYLAND 20705

FEB 26 1982

TV-25015

Subject: Seed Sample of Protected Variety
Certificate No. 8000144
Kind and Variety - Wheat 'Southern Belle'
Breeder - Coker's Pedigreed Seed Co.

To: National Seed Storage Laboratory
Fort Collins, CO 80521

Attached is the above-identified sample and an Objective Description of Variety form in accordance with our Memorandum of Understanding and as agreed upon during my visit with Dr. Louis Bass on June 12, 1972.

One copy of this duplicate form showing the result of your germination test on 100 seeds of pure seed of this sample should be returned to this Office. Return of the duplicate form will serve as acknowledgement of receipt of the sample.

Germination: 98 % Date: 4/82

Sincerely,

Bernard M. Leese
Commissioner
Plant Variety Protection Office

Attachment

In duplicate

Sam W. Bunn
6/22/82

163539

LAW OFFICES

BURCH, PORTER & JOHNSON

130 NORTH COURT AVENUE

MEMPHIS, TENNESSEE 38103

TELEPHONE 901-523-2311
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H. D. MINOR 1868-1947
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July 25, 1994

Ms. Ann Zempolich
Plant Variety Protection Office
U. S. Department of Agriculture
500 NAL Building
10301 Baltimore Boulevard
Beltsville, MD 20705

Re: Agripro Biosciences Inc. Sale of PVPs to AGR Acquisition Corporation (which has changed its name to Agripro Seeds, Inc.)

Dear Ms. Zempolich:

I am enclosing herewith the Bill of Sale and Assignment wherein Agripro Biosciences Inc. has sold and assigned all of its right, title and interest in and to the PVPs listed on the attachment to the Bill of Sale to AGR Acquisition Corporation and hereby request that your records be changed to show the new owner as **Agripro Seeds, Inc.**, the new name of AGR Acquisition Corporation. It is our understanding that the attachment was generated by someone in your office and forwarded to Agripro Biosciences Inc. at its request, and was subsequently forwarded to our office as attorneys for the purchaser in connection with the sale transaction.

As I indicated to you in our several previous telephone conversations, AGR Acquisition Corporation changed its corporate name to Agripro Seeds, Inc. the same date as the closing of the sale. I am enclosing herewith a copy of the Certificate of Amendment filed by the Delaware Secretary of State wherein the corporate name is changed.

If I counted correctly, there are 149 PVP certificates listed on the attachment to the Bill of Sale and Assignment. I am enclosing a check in the amount of $3,725.00 payable to United States Treasury in payment of the $25.00 per certificate fee to change the owner's name on your records.

THIS DOCUMENT HAS A COLORED BACKGROUND — NOT A WHITE BACKGROUND THIS DOCUMENT HAS A COLORED BACKGROUND

HELENA

HELENA CHEMICAL COMPANY
Suite 3200 — Clark Tower
5100 Poplar Avenue
Memphis, Tennessee 38137

DATE: 7-8-94

CHECK NUMBER: 22406

PROTECTION AMOUNT

PAY EXACTLY 3725 00 CTS

PAY THIS AMOUNT: $3,725.00

PAY TO THE ORDER OF: United States Treasury

HELENA CHEMICAL COMPANY
by

AUTHORIZED SIGNATURES