

# 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 *seventeen* 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 USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT

'Coker 68-15'

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 sixth day of March in the year of our Lord one thousand nine hundred and seventy-four

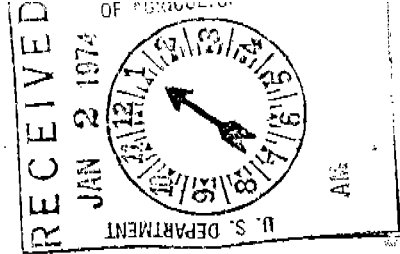
Attest

*S. J. Rollins*  
Commissioner  
Plant Variety Protection Office  
Grain Division  
Agricultural Marketing Service

*Earl L. Butz*

Secretary of Agriculture

## INSTRUCTIONS



**GENERAL:** Send an original copy of the application, exhibits and \$250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, 6525 Belcrest Road, Hyattsville, Maryland 20782. (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 Insert the date the applicant determined that he had a new variety based on the definition in Section 41 (a) of the Act and decision is made to increase the seed.
- 13a First, give the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. Second, give the details of subsequent stages of selection and multiplication. Third, indicate the type and frequency of variants during reproduction and multiplication and state how these variants may be identified. Fourth, provide evidence on stability.
- 13b First, give any special characteristics of the seed and of the plant as it passes through the seedling stage, flowering stage and the fruiting stage. Second, describe the mature plant and compare it with a similar commercial variety grown under the same conditions, and indicate the differences.
- 13c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.
- 13d Provide complete data indicative of novelty. Seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty may be submitted. Seeds submitted may be sterile.
- 13e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1. VARIETY NAME OR TEMPORARY DESIGNATION  Coker 68-15	2. KIND NAME  Wheat SRW	FOR OFFICIAL USE ONLY	
		PV NUMBER <b>72014</b>	
3. GENUS AND SPECIES NAME  Triticum Aestivum L.em.thell	4. FAMILY NAME (Botanical)  Gramineae	FILING DATE <b>7-23-71</b>	TIME <b>4</b> P.M.
		FEE RECEIVED \$ <b>250</b> \$ <b>250</b> \$ <b>250</b>	BALANCE DUE \$ <b>.00</b> \$ <b>.00</b> \$ <b>.00</b>
5. DATE OF DETERMINATION  July 1971	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) 332-8151
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.)  Corporation	10. STATE OF INCORPORATION  South Carolina	11. DATE OF INCORPORATION  June 12, 1918	

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

Coker's Pedigreed Seed Co.  
P.O. Box 340  
Hartsville, South Carolina 29550

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- 13B. Exhibit B, Botanical Description of the Variety
- 13C. Exhibit C, Objective Description of the Variety
- 13D. Exhibit D, Data Indicative of Novelty
- 13E. Exhibit E, Statement of the Basis of Applicant's Ownership

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.)  YES  NO

14B. Does the applicant(s) specify that this variety be limited as to number of generations?  YES  NO

14C. If "Yes," to 14B, how many generations of production beyond breeder seed?  
 FOUNDATION  REGISTERED  CERTIFIED

The applicant declares that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) of this sexually-reproduced novel plant variety believes 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 Protection Act.

Applicant is informed that false representation herein can jeopardize protection and result in penalties.

December 17, 1973

(DATE)

COKER'S PEDIGREED SEED CO.

(SIGNATURE OF APPLICANT)

By:

(SIGNATURE OF APPLICANT)

Robert R. Coker, President

COKER 68-15 WHEAT

Item 12 A - Exhibit A

Origin and Breeding History of the Variety

- 1960 Coker 57-6: Hardired x Taylor/Purdue 4946A4-18-2-10-1: Norvin x R485 F<sub>1</sub>
- 1961 Coker 57-6: Hardired x Taylor/ F<sub>1</sub> above
- 1962 F<sub>1</sub> generation
- 1963 Space planted F<sub>2</sub> selected for plant type and disease resistance
- 1964 F<sub>3</sub> Headrows selected for plant type and disease resistance
- 1965 Preliminary yield test on F<sub>4</sub> lines (Resèlected)
- 1966 F<sub>5</sub> Headrows from selected lines
- 1967 Yield test from single F<sub>5</sub> headrows
- 1968 Increase block 68-15 (Pre-Breeder seed)
- 1969 Increase block (Breeder generation)
- 1970 Increase block (Foundation generation)
- 1971 Registered seed release  
Obvious variants of less than one per cent are characterized by having a height exceeding the variety mean by approximately 8 to 10 inches. The genes for tallness are thought to have been introduced as chance outcrosses during early increases and have not been completely removed by rogueing.

COKER 68-15 WHEAT

Item 12 B - Exhibit B

Botanical Description of the Variety

Seeds are midsized, light red, ellipical with rounded shoulders. Crease is middeep and narrow to midwide. Brush is virtually collarless, midsized and midlong. Texture is soft.

Growth habit is semi-winter with leaves of medium width. Leaves appear rather stiff and ascending during jointing stage.

Mat ure plant is short (38-42 inches) under most normal growing conditions. Straw is white. Spikes are apically awnleted. midsized, middense fusiform-oblong, slightly inclined at maturity. Glumes are white, glabrous, with shoulders wanting to oblique.

	VARIETY	
	Coker 68-15	Blueboy
Height Ave. Inches	38	42
Compactness of Spike	More	Less
Spike attitude (Nodding)	Less	More
Awnlets	Shorter	Longer

OBJECTIVE DESCRIPTION OF VARIETY  
WHEAT (TRITICUM SPP.)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S) <b>Coker's Pedigreed Seed Co.</b>	FOR OFFICIAL USE ONLY
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) <b>P.O. Box 340 Hartsville, South Carolina 29550</b>	PVPO NUMBER <b>72014</b>
	VARIETY NAME OR TEMPORARY DESIGNATION <b>Coker 68-15</b>

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

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

2. TYPE:  
 1 = SPRING    2 = WINTER    3 = OTHER (Specify) \_\_\_\_\_  
 1 = SOFT    2 = HARD    3 = OTHER (Specify) \_\_\_\_\_

1 = WHITE    2 = RED    3 = OTHER (Specify) \_\_\_\_\_

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

4. MATURITY (50% Flowering):  
 NO. OF DAYS EARLIER THAN .....  1 = ARTHUR    2 = SCOUT    3 = CHRIS  
 NO. OF DAYS LATER THAN .....  4 = LEMHI    5 = NUGAINES    6 = LEEDS

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

6. PLANT COLOR AT BOOTING (See reverse):  
 1 = YELLOW GREEN    2 = GREEN    3 = BLUE GREEN

7. ANTHUR COLOR:  
 1 = YELLOW    2 = PURPLE

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

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

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

**11. HEAD:**

2 Density: 1 = LAX 2 = DENSE  1 Shape: 1 = TAPERING 2 = STRAP 3 = CLAVATE  
4 = OTHER (Specify) \_\_\_\_\_

2 Awedness: 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): \_\_\_\_\_

1  0 CM. LENGTH  1  5 MM. WIDTH

**12. GLUMES AT MATURITY:**

2 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.)

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

2 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

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

Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE 5 = OTHER (Specify) \_\_\_\_\_

0  6 MM. LENGTH  0  3 MM. WIDTH  3  3 GM. PER 1000 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'  3 Depth: 1 = 20% OR LESS OF KERNEL 'SCOUT'  
2 = 35% OR LESS OF KERNEL 'CHRIS'  
3 = 50% OR LESS OF KERNEL 'LEMHI'

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

0 STEM RUST (Races)  2 LEAF RUST (Races)  1 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:  1 GP  A  B  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	Arthur	Seed size	Arthur
Leaf size	Arthur	Seed shape	Arthur
Leaf color	Arthur	Coleoptile elongation	Bluebox
Leaf carriage	Arthur	Seedling pigmentation	Arthur

**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. Briggles 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.)

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

EXHIBIT D

Data Indicative of Novelty

Novelty is based on the unique combination of the following characters:

"Coker 68-15" most closely resembles "Arthur" except it has  
(1) a higher yield and test weight under southern conditions,  
it is (2) more upright in growth habit, and it is (3) susceptible to  
powdery mildew.



COKER 68-15 WHEAT

Item 12 E - Exhibit E

Statement of the Basis of Applicants Ownership

The variety, Coker 68-15, is the property of Coker's Pedigreed Seed Company, Hartsville, South Carolina, by virtue of the fact that all crossing, selecting and initial testing were performed by employees of the company which is engaged full-time in variety development work.

State of New York  
County of New York

TRANSFER OF OWNERSHIP

In consideration of the formation of a research partnership, which is named CR Seeds with its principal offices at 900 Darlington Highway, Hartsville, S.C. 29550, and of which Coker's Pedigreed Seed Company, Hartsville, S.C., is a partner, Coker's Pedigreed Seed Company does hereby convey to CR Seeds, free from all encumbrances, ownership of the following protected varieties:

Wheat Varieties

<u>Variety Name</u>	<u>Plant Variety Certificate No.</u>	<u>Issue Date</u>
Coker 68-15	7200014	March 6, 1974
Coker 68-19	7200015	March 6, 1974
Coker 747	76TQ015	September 9, 1978
Coker 762	8000152	December 12, 1981
Coker 797	8000145	December 12, 1981

Oat Varieties

<u>Variety Name</u>	<u>Plant Variety Certificate No.</u>	<u>Issue Date</u>
Coker 227	7500007	October 20, 1977
Coker 716	7900003	December 28, 1978
Coker 234	7500008	October 26, 1977
Four Twenty-Two	7700085	April 12, 1979
Big Mac	8200121	August 19, 1982
Mesquite	8200122	August 19, 1982

Soybean Varieties

<u>Variety Name</u>	<u>Plant Variety Certificate No.</u>	<u>Issue Date</u>
Coker-Hampton 266A	7100022	September 6, 1973
Coker 136	7300091	October 18, 1973
Coker 338	7400058	October 29, 1976
Coker 237	7800034	July 13, 1978
Coker 488	7900035	July 13, 1978
Coker 156	7900043	November 27, 1979
Coker 317	8100095	November 19, 1981
Coker 368	8200140	August 31, 1983

COKER'S PEDIGREED SEED CO.

By: E. Joe Dahmer  
E. Joe Dahmer, President

Date: February 29, 1984

Sworn and subscribed to before me  
this 29<sup>th</sup> day of February, 1984.

Ruth Silber  
Notary Public ~~for South Carolina~~

**RUTH SILBER**  
NOTARY PUBLIC, State of New York  
No. 31-2994050  
Qualified in New York County  
Commission Expires March 30, 1984

State of New York  
County of New York ss:

TRANSFER OF APPLICATIONS FOR  
PLANT VARIETY PROTECTION

In consideration of the formation of a research partnership, which is named CR Seeds with its principal offices at 900 Darlington Highway, Hartsville, S.C. 29550, and of which Coker's Pedigreed Seed Company is a partner, Coker's Pedigreed Seed Company does hereby convey to CR Seeds, free from all encumbrances, ownership of the following applications for Plant Variety Protection:

Wheat Varieties

<u>Variety Name</u>	<u>Application No.</u>	<u>Date of Filing</u>
Coker 916	830036	January 11, 1983
Coker 983	Application Mailed to PVP Office on	February 17, 1984

Oat Varieties

<u>Variety Name</u>	<u>Application No.</u>	<u>Date of Filing</u>
Coker 820	Application Mailed to PVP Office on	February 24, 1984

Soybean Varieties

<u>Variety Name</u>	<u>Application No.</u>	<u>Date of Filing</u>
Coker 393	8400018	November 18, 1983
Coker 355	8400019	November 18, 1983

COKER'S PEDIGREED SEED CO.

By: E. Joe Dahmer  
E. Joe Dahmer, President  
Date: Feb. 29, 1984

Sworn and subscribed to before me  
this 29<sup>th</sup> day of February, 1984.

Ruth Silber  
Notary Public ~~for South Carolina~~

~~(My commission expires March 20, 1990.)~~

RUTH SILBER  
NOTARY PUBLIC, State of New York  
No. 31-8994050  
Qualified in New York Court  
Commission Expires March 20, 1984

ASSIGNMENT

WHEREAS, CR Seeds, a general partnership having its principal office at 900 Darlington Highway, Hartsville, South Carolina 29550 ("Partnership"), is the owner of the entire right, title and interest to the United States Plant Variety Protection Certificates and applications for such Certificates (collectively "Certificates") listed on Appendix A attached hereto;

WHEREAS, the partners of CR Seeds, Rohm and Haas Seeds Inc., a Delaware corporation having its principal office at Independence Mall West, Philadelphia, PA 19105 ("RHS") and Coker's Pedigreed Seed Company, a South Carolina corporation with its principal office at 900 Darlington Highway, Hartsville, SC 29550 ("CPS"), are each desirous of acquiring a one-half undivided interest in the varieties and Certificates listed on Appendix A;

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, CR Seeds does hereby sell, assign and transfer to RHS a one-half undivided interest in and to the varieties and Certificates and to CPS a one-half undivided interest in and to the varieties and Certificates for each of their use and benefit and for each of their successors and assigns.

IN TESTIMONY THEREOF, CR Seeds intending to be legally bound has caused this assignment to be executed by its duly authorized officer.

CR Seeds

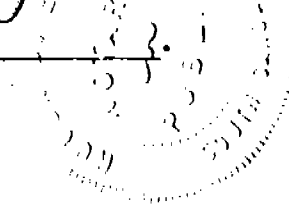
By: E. Joe Dahmer  
President

State of South Carolina )  
County of Darlington ) SS

On this 30th day of December, 1986, before me appeared E. Joe Dahmer of CR Seeds, the person who signed this instrument who acknowledged that he signed it as a free act on behalf of CR Seeds with authority to do so.

Lowell P. Elliott  
Notary Public

My commission expires 4-14-91



APPENDIX A

Soft Red Winter Wheat Varieties

<u>Variety Name</u>	<u>U.S. Plant Variety Certificate No.</u>	<u>Issue Date</u>
Coker 68-15	7200014	Mar. 6, 1974
Coker 68-19	7200015	Mar. 6, 1974
Coker 747	76TQ015	Sept. 9, 1978
Coker 762	8000152	Dec. 12, 1981
Coker 797	8000145	Dec. 12, 1981
Coker 916	8300036	Sept. 27, 1985
Coker 983	8400058 <sup>1</sup>	Feb. 27, 1984 <sup>1</sup>
McNair 701	7200038	Feb. 26, 1974
McNair 4823	7200037	April 8, 1975
RHS 8232	8400136 <sup>1</sup>	July 16, 1984 <sup>1</sup>
9227	8600009 <sup>1</sup>	Oct. 22, 1985 <sup>1</sup>
9323	8600010 <sup>1</sup>	Oct. 22, 1985 <sup>1</sup>

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1. Application number and filing date.

Winter Oat Varieties

<u>Variety Name</u>	<u>U.S. Plant Variety Certificate No.</u>	<u>Issue Date</u>
Coker 227	7500007	Oct. 20, 1977
Coker 716	7900003	Dec. 28, 1978
Coker 820	8400059 <sup>1</sup>	Feb. 28, 1984 <sup>1</sup>
Coker 234	7500008	Oct. 26, 1977
Four Twenty Two	7700085	Apr. 12, 1979
Big Mac	8200121	Aug. 19, 1982
Mesquite	8200122	Aug. 19, 1982

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1. Application number and filing date.

Soybean Varieties

Coker Hampton 266A	7100022	Sept. 6, 1973
Coker 136	7300091	Oct. 18, 1973
Coker 338	7400058	Oct. 29, 1976
Coker 237	7800034	July 13, 1978
Coker 488	7800035	July 13, 1978
Coker 156	7900043	Nov. 27, 1979
Coker 317	8100095	Nov. 19, 1981
Coker 368	8200140	Aug. 31, 1983
Coker 425	8400077	May 31, 1985
Coker 485	8400078	May 31, 1985
Coker 393 (Q327-4270)	8400018	Jan. 25, 1985
Coker 355 (XP5878)	8400019	Jan. 25, 1985
Coker 627	8700001 <sup>1</sup>	Oct. 3, 1986 <sup>1</sup>
Coker 686	Pending <sup>1</sup>	Dec. 19, 1986

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1. Application number and filing date.

<u>Variety Name</u>	<u>U.S. Plant Variety Certificate No.</u>	<u>Issue Date</u>
AP55	8100089	Feb. 18, 1982
AP70	7800081	Feb. 15, 1979
AP71	8100090	Sept. 24, 1981
Lancer	7600044	Sept., 29, 1976
RA-526	7500067	Dec. 12, 1975
RA-604	7900008	Mar. 1, 1975
RA-680	8100097	Apr. 15, 1982
RA-502	8200160	Aug. 31, 1983
RA-606	8200161	Oct. 27, 1983
RA-580	8300075	Apr. 30, 1984
Mitchell	7300054	Oct. 30, 1974
RA-401	7800030	June 22, 1978
RA-601	7800031	June 22, 1978
Mitchell 450	7900046	June 14, 1979
RA-481	8000054	Mar. 26, 1981
RA-402	8000093	July 31, 1981
Mitchell 410	8200162	Oct. 27, 1983
RA-403	8200163	Oct. 27, 1983



<u>Variety Name</u>	<u>Certificate No.</u>	<u>Issue Date</u>
RA-451	8500008 <sup>1</sup>	Oct. 10, 1984 <sup>1</sup>
RA-452	8500009 <sup>1</sup>	Oct. 10, 1984 <sup>1</sup>
RA-405	8500010 <sup>1</sup>	Oct. 10, 1984 <sup>1</sup>
RA-501 A	76TQ006	May 11, 1978
RA-480	7900007	Feb. 15, 1979

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1. Application number and filing date.

ASSIGNMENT

WHEREAS, Rohm and Haas Seeds Inc., a Delaware corporation having its principal office at Independence Mall West, Philadelphia, PA 19105 ("RHS"), is the owner of a one-half undivided interest in and to the United States Plant Variety Protection Certificates and applications for such Certificates (collectively "Certificates") listed on Appendix A attached hereto:

WHEREAS, Coker's Pedigreed Seed Company, a South Carolina corporation with its principal office at 900 Darlington Highway, Hartsville, SC 29550 ("CPS"), is desirous of acquiring this one-half undivided interest in the aforementioned varieties and Certificates;

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, RHS does hereby sell, assign and transfer to CPS RHS's one-half undivided interest in and to the varieties and Certificates for CPS's use and benefit and for its successors and assigns.

IN TESTIMONY THEREOF, RHS intending to be legally bound has caused this assignment to be executed by its duly authorized officer.

ROHM AND HAAS SEEDS INC.

By: Howard A. Mergelkamp  
Assistant Treasurer

State of Pennsylvania )  
County of Philadelphia ) SS

On this 31<sup>st</sup> day of December, 1986, before me appeared Howard A. Mergelkamp of Rohm and Haas Seeds Inc., the person who signed this instrument who acknowledged that he signed it as a free act on behalf of Rohm and Haas Seeds Inc. with authority to do so.

Elizabeth A. Smith

ELIZABETH A. SMITH Notary Public

Notary Public, Phila., Phila. Co.

My Commission Expires Oct. 74, 1989

My commission expires \_\_\_\_\_.

7200014

ASSIGNMENT OF PLANT VARIETY PROTECTION CERTIFICATES

WHEREAS, COKER'S PEDIGREED SEED COMPANY, a South Carolina corporation ("Coker's"), having its offices at 900 Darlington Highway, Hartsville, South Carolina 29550, has adopted and used and is the sole and exclusive owner of certain United States Plant Variety Protection Certificates and similar rights under laws of countries other than the United States as listed in Exhibit A hereto:

WHEREAS, COKER'S PEDIGREED SEED CO. and NORTHRUP KING CO., a Delaware corporation ("NK"), have entered into an Asset Purchase Agreement, dated July 20, 1988, providing for the purchase and sale of substantially all of the assets and business of Coker's and the assumption of certain of Coker's liabilities and obligations by NK; and

WHEREAS, NK desires to acquire the right, title and interest in, to and under the Plant Variety Protection Certificates listed on Exhibit A hereto and the pending applications hereto (collectively, the "Plant Variety Protection Certificates").

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Coker's hereby sells, assigns, transfers and sets over to NK the Plant Variety Protection Certificates. Coker's further agrees, at no cost to it, to execute and deliver to NK, upon the request of NK, any further instrument of assignment that may be necessary to effectuate the transfer of each Plant Variety Protection Certificate.

IN WITNESS WHEREOF, Coker's has caused this instrument to be executed by its duly authorized representative as of the 20th day of July, 1988.

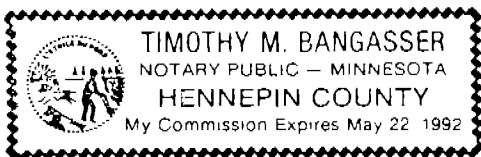
COKER'S PEDIGREED SEED COMPANY

By: E. Joe Dahmer  
E. Joe Dahmer  
President

STATE OF MINNESOTA )  
) ss:  
COUNTY OF HENNEPIN )

On this 20<sup>th</sup> day of July, 1988, before me, a Notary Public in and for the County aforesaid, the undersigned officer, E. Joe Dahmer, personally appeared and acknowledged himself to be the President of Coker's Pedigreed Seed Co., and that he executed the foregoing instrument for the purposes therein.

WITNESS my hand and seal this 20<sup>th</sup> day of July, 1988.



Timothy M. Bangasser  
Notary Public

Cotton Varieties, Continued

<u>Variety Name</u>	<u>U.S. Plant Variety Certificate Number</u>	<u>Issue Date</u>	<u>Term (Yrs.)</u>
Coker 3131	8100019	Sept. 24, 1981	18
Coker 208	8300082	Sept. 29, 1983	18
Coker 139	8700070	Dec. 18, 1987	18

Soft Red Winter Wheat Varieties

Coker 68-15	7200014	Mar. 6, 1974	17
Coker 68-19	7200015	Mar. 6, 1975	17
Coker 747	76TQ015	Sept. 20, 1978	17
Coker 762	8000152	Dec. 10, 1981	18
Coker 797	8000145	Dec. 10, 1981	18
Coker 916	8300036	Sept. 27, 1985	18
Coker 983	8400058	Dec. 31, 1980	18
McNair 701	7200038	Feb. 26, 1974	17
McNair 4823	7200037	Apr. 8, 1975	17
RHS 8232	8400136	Oct. 31, 1985	18
9227	8600009	May 31, 1988	18
9323	8600010	Apr. 29, 1988	18
McNair 1813	7500006	May 1, 1975	17
McNair 1003	7700084	Aug. 10, 1978	17
Coker 833	8800005(1)	Oct. 2, 1987(1)	-
Coker 9733	8700159(1)	July 16, 1987(1)	-
Coker 9766	8700160(1)	July 17, 1987(1)	-

(1) Application number and filing date.