



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 A 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.)

COTTON

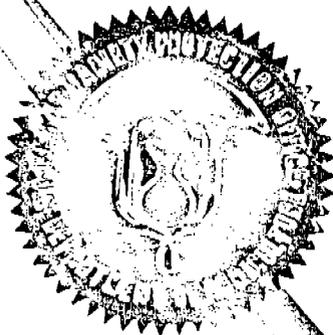
'Coker 310'

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 18th day of January in the year of our Lord one thousand nine hundred and seventy-four

Attest:

J. J. Rollin
 Commissioner
 Plant Variety Protection Office
 Grain Division
 Agricultural Marketing Service

Earl L. Buttz
 Secretary of Agriculture



7121

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1. VARIETY NAME OR TEMPORARY DESIGNATION Coker 310	2. KIND NAME Cotton	FOR OFFICIAL USE ONLY	
		PVPO NUMBER 7121	
3. GENUS AND SPECIES NAME Gossypium hirsutum	4. FAMILY NAME Malvaceae (mallow)	FILING DATE 2/2/71	TIME A.M. 9:30
	5. DATE OF DETERMINATION January 1968	FEE RECEIVED \$ 750	CHARGES
6. NAME OF APPLICANT(S) Coker's Pedigreed Seed Company	7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) P. O. Box 340, Hartsville, S. C. 29550		8. TELEPHONE AREA COOL AND NUMBER 803-332-7531
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. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- 12A. Exhibit A, Origin and Breeding History of the Variety (See Section 52, P.L. 91-577)
- 12B. Exhibit B, Botanical Description of the Variety
- 12C. Exhibit C, Objective Description of the Variety
- 12D. Exhibit D, Particulars of Trial Performance
- 12E. Exhibit E, Statement of the Basis of Applicant's Ownership

The applicant declares that a viable sample of basic seed that is planted to produce the variety commercially will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable. (See Section 52, P.L. 91-577).

13A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? (See Section 142, P.L. 91-577) (If "Yes," answer 13b and 13c below.) YES NO

13B. Does the applicant(s) specify that this variety be limited as to number of generations? YES NO

13C. If "Yes" to 13B, how many generations of production beyond 'breeder seed'?
Foundation(1 year), Registered(1 year), Certified(1 year)

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

Henry W. Webb
Coker's Pedigreed Seed Company
Hartsville, South Carolina 29550

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

The undersigned applicant(s) of this sexually-reproduced novel plant variety believes that the variety is entitled to protection under the provisions of Section 42 and is distinct, uniform, and stable as required in Section 41 of the Plant Variety Protection Act (P.L. 91-577).

January 29, 1971

(DATE)

COKER'S PEDIGREED SEED COMPANY
Robert R. Coker
Robert R. Coker, President

(SIGNATURE OF APPLICANT)

1

(DATE)

(SIGNATURE OF APPLICANT)

INSTRUCTIONS

GENERAL: Send an original copy of the application, **exhibits** and \$50.00 fee to **U. S. Dept.** of Agriculture, Consumer and Marketing Service, Grain Division, **Hyattsville**, MD 20782. 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.
- 12a** 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.
- 12b** 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.
- 12c** A supplemental form will be furnished by the PVPO to describe **in** detail a variety for each kind of seed,
- 12d** Provide complete data on productivity or other trial **data**. A summary of the results and seed and plant specimens should be **submitted**, if available. Seeds **submitted** may be sterile. Where **possible**, include photographs of **plant** comparisons.
- 12e** Indicate whether applicant is the actual **breeder**, the employer of **the** breeder, the owner through **purchase or inheritance**, etc.

12 A. EXHIBIT A, ORIGIN AND BREEDING HISTORY OF VARIETY - COKER 310

<u>Stage</u>	<u>Year</u>	<u>Activity</u>
1	1948	Cross, Coker 100 Staple X Deltapine 15
2	1950-1959	Line Selection, evaluation and continued reselection of lines within subsequent segregating generations.
3	1959	Isolated superior progeny, planted in 1960 as Strain No. Coker 60-111
4	1960-1965	Continued line selection and evaluation within the experimental strain Coker 60-111.
5	1965	Isolated superior individual progeny from Coker 60-111 which was planted in Performance Trials and seed increase blocks in 1966 as Coker 66-115.
6	1966-1969	Continued strain evaluation in performance trials across the U.S. Cotton Belt and in seed production fields on Coker farms, also continued reselection within Coker 66-115.
7	1968	The experimental strain Coker 66-115 was assigned the varietal designation Coker 310. This was also the first year that Coker 310 was entered in official public agency and other performance trials outside of Coker's Program.
8	1969	Foundation Seed Production, Coker 310.
9	1970	Coker 310 Registered class of seed produced by contract growers.
10	1971	Coker 310 first released for planting by general cotton growing public.

Variants: Occasional variants are to be found in any cotton variety due to frequency of natural cross pollination. However these are at a minimum in Coker 310 due to the long period of selection and reselection and relatively high degree of homozygosity. The few "off types" observed have generally been much taller and more indeterminate than the mean of the variety and bolls tend to be longer and more pointed.

12 B. EXHIBIT B, BOTANICAL DESCRIPTION OF THE VARIETY - COKER 310

- 1. a. Seed: Seed of Coker 310 are medium in size with a seed index averaging about 11.0. The raw or gin run seed have a rather heavy covering of linters or fuzz fibers.

The seed coat is very tough and usually resists fracturing and dehulling in the ginning and delinting processes.

The acid delinted seed is quite uniform in size and shape averaging about 10 seed per gram.

- b. Young Plant: The plant is very vigorous in seedling stage growing very rapidly and developing rather large leaves. The young plant usually starts flowering one to three days earlier than Coker 201, has shorter internodes and consequently fruits somewhat faster than Coker 201.

2. Mature Plant Characteristics:

- a. Stalk: Erect, vigorous, excellent resistance to lodging.
- b. Foliage: Medium heavy, medium size leaves, medium lobed.
- c. Bolls: Medium oblong to slightly pointed. Averages about 70-75 per pound seed cotton.
- d. Plant Type: Open, well balanced, more determinate than Coker 201, with shorter internodes and closer fruiting.
- e. Storm Resistance: Very good. Better than most rain belt types.
- f. Wilt Tolerance: Moderate tolerance to both fusarium and verticillium wilts.
- g. Maturity: Usually 3-7 days earlier than Coker 201.

3. Lint Characteristics, under average seasonal conditions:

- a. Length: Averages 1 1/16 - 1 1/8. Will reach 1 3/16 under favorable conditions, longest of Coker varieties.
- b. Fiber Strength: 82,000 - 87,000 p.s.i., slightly stronger than Coker 201.
- c. Micronaire: Averages 4.0 - 4.5, same range as Coker 201.
- d. Yarn Strength: Significantly better than Coker 201. 22's yarns average about 115 - 125 pounds.
- e. Gin Turnout (lint percent): 38-40%, In same range as the best widely grown varieties, .6 - .8% lower than Coker 201.
- f. Coker 310 possesses the unusual combination of lint %, length, micronaire and earliness.

OBJECTIVE DESCRIPTION OF VARIETY
COTTON (GOSSYPIUM SPP.)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S)

Coker s Pedigreed Seed Co.

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

P. O. Box 340
Hartsville, S. C. 29550

FOR OFFICIAL USE ONLY

PVPO NUMBER

7121

VARIETY NAME OR TEMPORARY DESIGNATION

Coker 310

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. SPECIES:

1 = GOSSYPIUM HIRSUTUM 2 = GOSSYPIUM BARBADENSE

2. AREA(S) OF ADAPTION (0 = Not Tested, 1 = Not Adapted, 2 = Adapted):

EASTERN DELTA CENTRAL HIGH PLAINS EL PASO AREA
 WESTERN LOW HOT VALLEYS SAN JOAQUIN OTHER (Specify)

3. MATURITY (50% Open Boll): % 1st Pick : Coker 310 = 80% / Deltapine 16=74%

NO. OF DAYS EARLIER THAN } 1 = COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213
 Not available } 4 = PAYMASTER 111 5 = ACALA 1517-70 6 = ACALA SJ-1
 NO. OF DAYS LATER THAN } 7 = LANKART 57 8 = OTHER (Specify)

4. PLANT HABIT:

1 = SPREADING 2 = INTERMEDIATE 3 = COMPACT 1 = FOLIAGE SPARSE 2 = DENSE
3 = OTHER (Specify) Med. Dense

5. PLANT HEIGHT:

CM. SHORTER THAN } 1 = COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213
 CM. TALLER THAN } 4 = PAYMASTER 111 5 = ACALA 1517-70 6 = ACALA SJ-1
7 = LANKART 57 8 = OTHER (Specify)

6. MAIN STEM:

1 = LAX 2 = ASCENDING 3 = ERECT Not Available CM. TO FIRST FRUITING BRANCH NO. OF NODES TO FIRST FRUITING BRANCH (from cotyledonary node)

7. LEAF: Not Avail.

CM. WIDTH OF WIDEST LEAVES AT MATURITY 8. LEAF PUBESCENCE: 1 = GLABROUS (HAIRS AS SPARSE AS D₂ SMOOTH) 2 = SMOOTH LEAF (DELTAPINE SMOOTH LEAF) 3 = PUBESCENT (STONEVILLE 213) 4 = HEAVY PUBESCENCE (H₁ OR H₂) 5 = OTHER (Specify)

9. LEAF COLOR:

1 = VIRESCENT YELLOW 2 = LIGHT GREEN 3 = DARK GREEN (Acala-442) 4 = RED
5 = OTHER (Specify)

10. LEAF TYPE:

1 = NORMAL 2 = OKRA 3 = SUPER OKRA 4 = OTHER (Specify)

11. FLOWER:

1 = NECTARILESS 2 = NECTARIED
 Petals: 1 = CREAM 2 = YELLOW Pollen: 1 = CREAM 2 = YELLOW 3 = Mixed

12. FRUITING BRANCH TYPE:

1 = CLUSTER 2 = SHORT 3 = NORMAL 1 = DETERMINATE 2 = INDETERMINATE 3 = Intermediate

13. GOSSYPOL CONDITION:

1 = GLANDLESS 2 = REDUCED GLANDS 3 = NORMAL GLANDS 1 = NORMAL BUD GOSSYPOL 2 = HIGH BUD GOSSYPOL

14. SEEDS:

± SEED INDEX (Fuzzy seed basis) Seed Fuzz: 1 = SPARSE (GREGG 35) 2 = MODERATE (DPL-16) 3 = HEAVY (ACALA SJ-1) 4 = OTHER (Specify) 4

FORM GR-470-B (REVERSE)

15. BOLLS:

Locules: 1 = 3-4
 2 = 4-5

NO. SEEDS PER BOLL

LINT PERCENT +1.0
 MM. DIAMETER

Pitted: 1 = NONE
 2 = FINELY
 3 = COURSELY

GRAMS SEED COTTON PER BOLL

Breadth: 1 = BROADER AT BASE
 2 = BROADER AT MIDDLE

Type: 1 = STORMPROOF (WESTBURN 70)
 2 = STORM RESISTANT (LANKART 57)
 3 = OPEN (DELTAPINE 16)

Shape: 1 = LENGTH < WIDTH
 2 = LENGTH = WIDTH
 3 = LENGTH > WIDTH

16. BRACTEOLAS:

Breadth: 1 = LENGTH < WIDTH 2 = LENGTH = WIDTH 3 = LENGTH > WIDTH

Teeth: 1 = FINE 2 = COURSE

Teeth: 1 = 3-4 2 = 5-7 3 = 8-10
 4 = OTHER (Specify) _____

17. YIELD: Compared to _____

PERCENT LESS THAN

PERCENT MORE THAN

U.H.M. LENGTH

1 = COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213
 4 = PAYMASTER 111 5 = ACALA 1517-70
 6 = ACALA SJ-1 7 = LANKART 57

18. FIBER LENGTH (Complete one or more of the following and give the means): Approx. Means

SPAN LENGTH 50%

SPAN LENGTH 2.5%

U.H.M. LENGTH

MEAN LENGTH

STAPLE LENGTH 32nd INCHES

UNIFORMITY RATIO (MEAN/U.H.M.)

UNIFORMITY INDEX (50% SPAN/2.5% SPAN)

19. FIBER STRENGTH AND ELONGATION: Approx. Means

^{+3.}
 1,000 P.S.I.

ELONGATION E₁

STILOMETER T₀

^{+0.30}
 MICRONAIRE READING

YARN STRENGTH (Give test method)
 Min. Spin

^{+1.0}
 STILOMETER T₁

20. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant) 3 = Tolerant)

VERTICILLIUM WILT

FUSARIUM WILT

ROOT KNOT NEMATODE

BACTERIAL BLIGHT (Race 1)

ASCOCHYTA BLIGHT

PHYMATOTRICHUM ROOT ROT

RHIZOCTONIA

ANTHRACNOSE

RUST

OTHER (Specify) _____

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

BOLL WEEVIL

APHID

FLEAHOPPER

LEAFWORM

FALL ARMYWORM

GRASSHOPPER

LYGUS

PINK BOLLWORM

STINKBUG

THRIP

CUTWORM

SPIDERMITE

OTHER (Specify) _____

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

- (1) Brown, Harry B., and J. O. Ware, 1958, Cotton, McGraw-Hill Book Company, Inc., New York.
- (2) Lewis, C. F., and H. H. Ramey, Jr., 1971, 1970 Regional Cotton Variety Tests, ARS 34-130, United States Department of Agriculture.

COLORS: Nickerson's or any recognized color fan may be used to determine flower color of the described variety.

Henry M. Wells
5

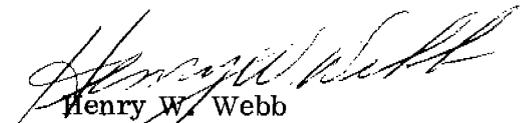
EXHIBIT D: PARTICULARS OF TRIAL PERFORMANCE, COKER 310, PV No. 7121

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

Coker 310 most closely resembles Coker 201, except it has:

- (1) Approximately .06 inches longer fiber (a highly significant difference putting Coker 310 in a different staple length category)
- (2) Greater yarn strength:
Coker 310 - 125.0 pounds
Coker 201 - 121.5 pounds
- (3) A shorter plant height by approximately 6 cm.
- (4) More resistance to verticillium wilt.
- (5) More resistance to lodging.

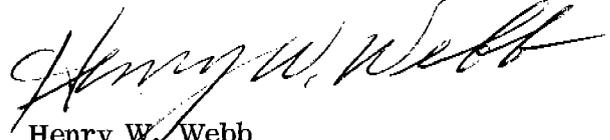
Note: See tabular data attached to original Exhibit D and additional data attached herewith.


Henry W. Webb
Director Cotton Division
Coker's Pedigreed Seed Co.

12 E. EXHIBIT E, STATEMENT OF THE BASIS OF APPLICANTS OWNERSHIP, COKER 310

The variety, Coker 310, is the property of Coker's Pedigreed Seed Company by virtue of the fact that the original cross and all subsequent developmental research and related activities pertaining to the development of Coker 310 were performed by company personnel and utilizing company finances and facilities.

COKER'S PEDIGREED SEED COMPANY



Henry W. Webb
Director, Cotton-Soybean Research

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").

Winter Oat Varieties

<u>Variety Name</u>	<u>U.S. Plant Variety Certificate Number</u>	<u>Issue Date</u>	<u>Term (Yrs.)</u>
Coker 227	7500007	Oct. 20, 1977	17
Coker 716	7900003	Dec. 28, 1978	17
Coker 820	8400059	June 30, 1987	18
Coker 234	7500008	Oct. 26, 1977	17
Four Twenty Two	7700085	Apr. 12, 1979	17
Big Mac	8200121	Aug. 19, 1982	18
Mesquite	8200122	Aug. 19, 1982	18

Tobacco Varieties

Coker 347	72022	Oct. 27, 1976	17
Coker 411	72023	Oct. 27, 1976	17
Coker 86	7600004	Oct. 27, 1976	17
Coker 48	7800008	Sept. 20, 1978	17
Coker 51	8100048	Feb. 18, 1982	18
Coker 176	8300056	Sept. 29, 1983	18
Coker 206	8500040	Apr. 30, 1986	18
Coker 371 Gold	8700049	Sept. 30, 1987	18

Cotton Varieties

Coker 310	7100021	Jan. 18, 1974	17
Coker 304	7700024	Dec. 21, 1978	17
Coker 420	7900087	Jan. 29, 1980	17
Coker 315	8000087	Dec. 18, 1980	17

**ASSIGNMENT OF FOREIGN AND DOMESTIC PATENTS AND
PLANT VARIETY REGISTRATIONS AND PROTECTION CERTIFICATES**

WHEREAS, NORTHRUP KING CO., a Delaware corporation, doing business at 7500 Olson Memorial Highway, Golden Valley, Minnesota 55427 ("ASSIGNOR"), owns, is licensed to or otherwise has the right to use the cotton seed lines listed in Schedule 1.2 hereto (the "Varieties") and in the germplasm related to the Varieties and in other cotton seed strains and germplasm in the United States and abroad (the "Germplasm") for which patents, plant variety protection certificates, breeder's rights certificates, seed registrations, seed certifications (collectively, the "Applications") have been filed in the United States and abroad.

AND WHEREAS, STONEVILLE PEDIGREED SEED COMPANY, a Mississippi corporation doing business at Old Leland Road, Stoneville, Mississippi 38776 ("ASSIGNEE") desires to acquire the entire right, title and interest in and to the Varieties and the Germplasm and the said Applications:

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, does hereby acknowledge that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said Applications, and the said Applications and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which have been and may hereafter be filed for the Varieties or the Germplasm in any country or countries foreign to the United States, and all Letters Patent which may be granted for the Varieties or the Germplasm in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, such official of the United States whose duty it is to issue plant variety protection certificates, and any Official of any country or countries foreign to the United States whose duty it is to issue patents, plant variety protection certificates, breeder's rights certificates, seed registrations and seed certifications to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

CDMOBLR1.EXH

(C1)

05/21/90

AND ASSIGNOR HEREBY covenants and agrees that ASSIGNOR will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Varieties and the Germplasm and said Applications, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said Varieties and Germplasm in all countries.

IN TESTIMONY WHEREOF, ASSIGNOR hereunto sets its hand and seal this 30th day of May, 1990.

NORTHROP KING CO.,
a Delaware corporation

(corporate seal)

By: *Kent Schulze*

Title: President + CEO

State of Minnesota)
County of Hennepin) ss.
)

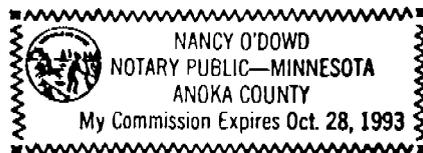
On this 30th day of May, in the year 1990, before me, the undersigned, a Notary Public for the State of Minnesota, personally appeared to me Kent Schulze, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person who executed the within instrument as President + CEO of Northrup King Co. and acknowledged to me that he executed it as a free act on behalf of Northrup King Co. with authority to do so.

(Notarial Seal)

Nancy A. O'Dowd
Notary Public

My Commission Expires:

CDMOBLR1.EXH
(C1)
05/21/90



SCHEDULE 1.2

Cotton Varieties

<u>Variety Name</u>	<u>U. S. Plant Variety Certificate Number</u>	<u>Issue Date</u>
Coker 130	Applied for	
Coker 139	8700070	12/18/87
Coker 208	8300082	09/29/83
Coker 304	7700024	12/21/78
Coker 308	None	
Coker 310	7100021	01/18/74
Coker 315	8000087	12/18/80
Coker 320	Applied for	
Coker 420	7900087	01/29/80
Coker 3131	8100019	09/24/81
Exp. 84-828	None	
Exp. 610-8907	None	
KC-311	Applied for	
KC-380	8700069	06/30/87
McNair 210	7100090	06/24/74
McNair 220	7600077	07/19/77
McNair 235	None	
McNair 511	7200095	05/21/74
McNair 612	7400023	03/06/74

**ASSIGNMENT OF FOREIGN AND DOMESTIC PATENTS AND
PLANT VARIETY REGISTRATIONS AND PROTECTION CERTIFICATES**

WHEREAS, SANDOZ LTD., ("ASSIGNOR"), is the owner of all right, title and interest in the cotton seed lines listed in Schedule 1.2 hereto (the "Varieties") and in the germplasm related to the Varieties and in other cotton seed strains and germplasm which it has licensed to or otherwise given Northrup King Co., its wholly owned subsidiary, the right to use in the United States and abroad (the "Germplasm") for which patents, breeder's rights certificates, seed registrations, seed certifications (collectively, the "Applications") have been filed in the United States and abroad.

AND WHEREAS, STONEVILLE PEDIGREED SEED COMPANY, a Mississippi corporation doing business at Old Leland Road, Stoneville, Mississippi 38776 ("ASSIGNEE") desires to acquire the entire right, title and interest in and to the Varieties and the Germplasm and the said Applications:

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, does hereby acknowledge that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said Applications, and the said Applications and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which have been and may hereafter be filed for the Varieties or the Germplasm in any country or countries foreign to the United States, and all Letters Patent which may be granted for the Varieties or the Germplasm in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States whose duty it is to issue patents, plant variety protection certificates, breeder's rights certificates, seed registrations and seed certifications to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that ASSIGNOR will communicate to the said ASSIGNEE, its successors, legal representa-

CDMOBL.EXH(C

1)

05/13/90

SCHEDULE 1.2

Cotton Varieties

<u>Variety Name</u>	<u>U. S. Plant Variety Certificate Number</u>	<u>Issue Date</u>
Coker 130	Applied for	
Coker 139	8700070	12/18/87
Coker 208	8300082	09/29/83
Coker 304	7700024	12/21/78
Coker 308	None	
Coker 310	7100021	01/18/74
Coker 315	8000087	12/18/80
Coker 320	Applied for	
Coker 420	7900087	01/29/80
Coker 3131	8100019	09/24/81
Exp. 84-828	None	
Exp. 610-8907	None	
KC-311	Applied for	
KC-380	8700069	06/30/87
McNair 210	7100090	06/24/74
McNair 220	7600077	07/19/77
McNair 235	None	
McNair 511	7200095	05/21/74
McNair 612	7400023	03/06/74

12 D. EXHIBIT D, PARTICULARS OF PERFORMANCE - COKER 310

1. Productivity: Performance Trials and Observational and Increase block plantings across the belt since 1966 have clearly demonstrated the superior performance potential of Coker 310. It has exceptionally wide adaptation to soils, climate and management practices.

The data on agronomic and fiber characteristics presented in attached tables further illustrates these traits as determined in Coker's trials in South Carolina and the Mississippi Valley in 1968 and 1969.

These data further illustrate the unusual combinations of the high yields, high lint percent and relatively high micronaire with this length of fiber.

Samples of gin run seed and acid delinted seed are available.

Two Year Summary, Six Varieties, South Carolina 1968-69**

VARIETY	Lint Yield		Average 2 Years	Lint Percent 2 Years	Quality Data			
	2 Loc. 1968	2 Loc. 1969			2.5% Length	Pressley Strength	Mike Units	Yarn Strength (1 yr. yarn)
Coker 201	909	934	922	38.0	1.16	88,300	4.35	119
COKER 310	943	994	969	37.5	1.22	91,500	4.35	122
Coker 413HQ*	850	834	842	34.9	1.22	96,600	3.85	139
Coker 417	919	919	919	35.6	1.21	91,900	4.00	133
Deltapine 16	842	943	893	37.1	1.17	85,300	4.25	124
Stoneville 213	1004	893	949	37.2	1.14	87,600	4.25	119

Two Year Summary, Six Varieties, Mississippi Valley 1968-69

VARIETY	Lint Yield		Average 2 Years	Lint Percent 2 Years	Quality Data—1968 Only			
	2 Loc. 1968	2 Loc. 1969			2.5% Length	Pressley Strength	Mike Units	Yarn Strength
Coker 201	1017	521	770	39.6	1.11	92,100	4.1	124
COKER 310	1130	495	813	38.5	1.21	91,700	4.2	128
Coker 413 HQ*	854	434	644	36.5	1.17	97,700	3.8	140
Coker 417	929	467	698	36.7	1.15	93,200	3.5	137
Deltapine 16	1058	505	782	37.8	1.12	86,400	4.4	122
Stoneville 213	1120	508	814	37.8	1.07	85,700	4.5	111

*Coker 413HQ is a maximum quality experimental strain of Coker 413 type.

**Tests conducted by Coker Pedigreed Seed Company.