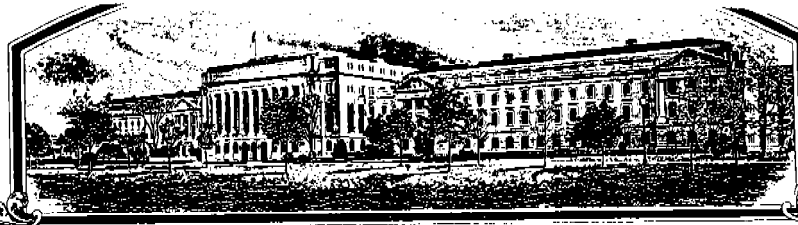


No.

8200078



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 EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, 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**, UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS SEED OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS PROVIDED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

OAT

'Southern States 76-30'

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 15th day of July in the year of our Lord one thousand nine hundred and eighty-two.

Attest:

Kenneth H. Coan

Acting
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

John R. Block
Secretary of Agriculture



APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

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

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY Coker 76-30		1b. VARIETY NAME 'Southern States 76-30'		FOR OFFICIAL USE ONLY PV NUMBER 8200078	
2. KIND NAME Oats		3. GENUS AND SPECIES NAME Avena Sativa		FILING DATE 3/9/82	
4. FAMILY NAME (BOTANICAL) Gramineae		5. DATE OF DETERMINATION Aug. 1979		TIME 2:30 P.M.	
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		DATE 3/9/82	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partners, association, etc.) Corporation		10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION South Carolina		FEE RECEIVED \$ 250.00 \$ 250.00 250.00	
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 Co. P.O. Box 340 Hartsville, South Carolina 29550		11. DATE OF INCORPORATION July 12, 1918		8. TELEPHONE AREA CODE AND NUMBER (803) 332-7531	

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, Novelty Statement.

13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)

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.) 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

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

15b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? YES 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 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.

Feb. 18, 1982
(DATE)

Howard F. Harrison
(SIGNATURE OF APPLICANT)

(DATE)

(SIGNATURE OF APPLICANT)

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.

EXHIBIT A

Origin and Breeding History of the Variety

'Southern States 76-30' (Coker 76-30) was derived from the following pedigree, the last cross of which was completed in 1970:

Coker 716/5/Coker 69-26/4/Coker 76-19/3/Coker 66-25*2/
¹2/Mg*3/C.I. 7922

1970-71	F1 plants
Summer 1971	F2 Bulk in Aberdeen Idaho
1971-72	F3 spaced plants
1972-73	F4 Headrows
1973-74	F5 Headrows from selected F4's
1974-75	Single F5 Headrow to preliminary performance trial
1975-76	Advanced performance trials and increase block 76-30
1976-77	Entered Uniform Central Winter Oat Nursery
1977-78	Entry in Uniform Central Winter Oat Nursery, a copy of which is herin submitted.

The genetic composition was stabilized in the F5 generation, and several years of testing and observation of headrows indicate no obvious variants in this variety. **The variety remains uniform and stable.**

EXHIBIT B

Data Indicative of Novelty

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

'Southern States 76-30' is ^{most nearly like} ~~quite similar to~~ 'Coker 716' except it is two or more days earlier and significantly taller (approximately 6 cm).

1978 results from the Uniform Central Winter Oat Nursery.

Table 2 page 5

'Coker 716' has a hairless lemma dorsal surface; whereas, 'Southern States 76-30' has a hairy dorsal surface.

② 3/23/82

TABLE 2. AVERAGES OVER ALL STATIONS FOR THE INDICATED VARIABLES,

E N T . NO.	C . I . OR SEL. NO.	SURV PERCENT	YIELD BU/A	TEST WT LB/BU	HEIGHT INCHES	LODGING PERCENT	DATE HEAD
1	C.I. 1815 <i>ref</i>	47.8	58.0	29.0	40.5	b4.2	118.0
2	C.I. 9204 <i>salim</i>	42.3	69.6	31.1	35.3	36.0	118.6
3	C.I. 9260	68.3	88.1	30.9	35.0	37.4	112.4
4	C.I. 9261	60.5	73.8	32.7	35.0	35.8	112.1
5	C.I. 9302	67.0	88.9	29.5	34.6	46.0	114.0
<i>Southern States</i>	6 COKER 227	66.3	80.4	30.8	36.1	35.0	113.7
<i>76-307</i>	7 COKER 76-30	80.8	94.8	32.1	39.8	22.0	113.6
	8 COKER 76-16	79.5	91.3	30.9	37.1	60.6	112.4
<i>Coker 7161</i>	9 COKER 76-19	57.8	79.9	31.9	37.8	28.8	113.6
	10 COKER 70-16	83.8	X01.3	31.7	37.b	25.8	115.7
<i>3/23/82</i>	11 COKER 74-22	87.0	97.8	32.0	37.6	33.0	117.0
AVERAGE		67.3	84.0	31.2	36.9	38.6	114.6
LSD .05		24.9	13.8	1.4	1.8	23.5	4.2
cv PCT		26.1	18.4	4.9	4.9	48.2	3.4

8200078

FORM GR-470 36
(1-76)

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782
OBJECTIVE DESCRIPTION OF VARIETY

Coker's Pedigreed Seed Co.

OAT
(Avena spp.)

NAME OF APPLICANT(S) P.O. Box 34n	VARIETY NAME OR TEMPORARY DESIGNATION 'Southern States 76-30'
ADDRESS (Street and No., or P.O. No., City, State, and ZIP Code) Hartsville, S.C. 29550	FOR OFFICIAL USE ONLY PVPO NUMBER 8200078

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.

1. SPECIES:

1 = SATIVA 2 = BYZANTINA 3 = OTHER (Specify) _____

2. GROWTH HABIT:

JUVENILE 1 = WINTER GROWTH: = SPROSTRATE 2 = SPRING SEMIPROSTRATE 3 = ERECT

STANDARD VARIETIES

- 1 = JAYCEE 2 = CLINTLAND 64 3 = CAY USE 4 = NORLINE 5 = YANCEY 6 = FLORIDA 501

3. MATURITY (50% flowering):

DAYS EARLIER THAN... STANDARD VARIETY DAYS LATER THAN... STANDARD VARIETY

Season: **23/18/12** 1 = VERY EARLY (Jaycee) 2 = EARLY (Nodaway 70) 3 = MIDSEASON (Clintford) 4 = LATE (Lodi) 5 = VERY LATE (Garry) 6 = EXTREMELY LATE (Meckinaw)

4. PLANT HEIGHT (From soil level to top of head):

CM. TALL CM. SHORTER THAN... STANDARD VARIETY

CM. TALLER THAN... STANDARD VARIETY

5. STEM:

DIAMETER: 1 = FINE (Kherson) 2 = MEDIUM (Clintford) 3 = COARSE (Nodaway 70)

HAIRINESS AT UPPER CULM NODES: 1 = HAIRLESS 2 = HAIRY

MATURE STEM COLOR: 1 = YELLOW 2 = REDDISH

6. LEAF: (Leaf Color: The Royal Horticultural Society's or any recognized color chart should be used to determine the leaf color of the described variety.)

CARRIAGE: 1 = DROOPING (Random) 2 = ERECT (Walken)

COLOR: RHS 137B 1 = YELLOW GREEN 2 = LT. GREEN 3 = DK. GREEN 4 = BLUE GREEN

MM. WIDTH (First leaf below flag leaf) LEAF MARGIN: 1 = GLABROUS 2 = CILIATE

LIGULE: 1 = ABSENT 2 = PRESENT LEAF SHEATH: 1 = HAIRLESS 2 = HAIRY

7. HEAD:

PANICLE SHAPE: 1 = EQUILATERAL 2 = INTERMEDIATE 3 = SIDE PANICLE (Unilateral)

ATTACHMENT OF LOWER WHORL OF BRANCHES: 1 = FIRST NODE 2 = SECOND NODE (False node)

PANICLE SIZE: 1 = SMALL (Yancey) 2 = MEDIUM (Walken) 3 = LARGE (Markton)

PANICLE WIDTH: 1 = NARROW (Gopher) 2 = MIDBROAD (Yancey) 3 = BROAD (Nodaway 701)

CM. PANICLE LENGTH NUMBER OF BRANCHES NUMBER OF WHORLS OF BRANCHES

POSITION OF BRANCHES: 1 = ASCENDING (Yancey) 2 = SPREADING (Cayuse) 3 = DROOPING (Markton) 4 = PECTINATE (Whirs Tartar) 5 = CONFUSED (Storm King)

RACHIS:

2 1 = RECURVED (Yancey) 2 = ERECT (Walken) 2 5 MM. SECOND F LORET RACHILLA SEGMENT LENGTH

1 SECOND FLORET RACHILLA SEGMENT: 1 = HAIRLESS 2 = HAIRY RACHILLA HAIRS: 1 = SHORT 2 = LONG

SPIKELET:

2 SPIKELET SEPARATION BY: 1 = ABSCISSION 2 = SEMIABSCISSION 3 = FRACTURE

2 FLORET SEPARATION BY: 1 = DISARTICULATION 2 = HETEROFRACTURE 3 = BASIFRACTURE

2 0 FLORETS PER SPIKELET (mean no.)

GLUMES: (Glume Color: The Royal Horticultural Society's or any recognized odor chart should be used to determine the color of the described variety.)

0 8 MM. WIDTH 2 2 MM. LENGTH 1 0 NO. OF VEINS ON GLUMES 2 COLOR: 1 = WHITE 2 = YELLOW 3 = RED 4 = STRIPED

RHC 164 C

1 EMMA: (Lemma Color: The Royal Horticultural Society's or any recognized color chart should be used to determine the color of the described variety.)

1 5 MM. LENGTH 2 COLOR: 1 = WHITE 2 = YELLOW 3 = RED 4 = GRAY 5 = BLACK

2 HAIRINESS OF DORSAL SURFACE: 1 = HAIRLESS 2 = HAIRY RHS 162 C

AWN (First floret):

2 OCCURENCE: 1 = ABSENT (Walken) 2 = INFREQUENT (Yancey) 3 = COMMON (Chilocco) 4 = FREQUENT (Random)

1 TYPE: 1 = NON-TWISTED 2 = TWISTED 3 = TWISTED GENICULATE

1 9 MM. AWN LENGTH

SEED:

0 FLORESCENCE UNDER ULTRAVIOLET LIGHT: 1 = FLORESCENT 2 = NON-FLORESCENT

BASAL HAIR: 1 = ABSENT (Florida 501) 2 = ABSENT TO FEW (Yancey) 3 = FEW TO SEVERAL (Lee) 4 = SEVERAL TO NUMEROUS (Floriles) 5 = NUMEROUS (Red Rustproof)

MM. BASAL HAIR LENGTH 3 3 5 GMS. PER 1,000 SEEDS 3 4 (MG. GROAT WEIGHT (each)

% GROAT PROTEIN % GROAT OIL

INSECTS: (0 = NOT TESTED, 1 = SUSCEPTIBLE, 2 = RESISTANT)

0 CEREAL LEAF BEETLE 0 BLUEGRASS BILLBUG 0 GRAIN BUG (C. Sayi) 0 NEMATODE (Type) _____

0 GREEN BUG (Biotype) _____ OTHER (Specify) _____

DISEASE: (0 = NOT TESTED, 1 = SUSCEPTIBLE, 2 = RESISTANT)

0 HALO LIGHT 0 POWDERY MILDEW 0 SEPTORIA LEAF BLOTCH 2 SOIL-BORNE MOSIAC

0 HELMINTHOSPORIUM LEAF BLOTCH 0 YELLOW DWARF VIRUS 2 VICTORIA BLIGHT 2 OTHER (Specify) Culm Rot

SPECIES RACES TESTED:

	RACES SUSCEPTIBLE	RACES RESISTANT
<input type="checkbox"/> 1 <u>3/17/82</u> CROWN RUST	202, 216, 264, 294, 325, TAM 312	None Known
<input type="checkbox"/> 1 STEM RUST	31	None Known
<input type="checkbox"/> 0 COVERED SMUT		
<input type="checkbox"/> 0 LOOSE SMUT		

INDICATE VARIETY YOU BELIEVE MOST CLOSELY TO RESEMBLE THAT SUBMITTED:

CHARACTER	VARIETY	CHARACTER	VARIETY
PLANT TILLERING	'Coker 716'	LEAF COLOR	'Coker 716'
LEAF SIZE	" "	LEAF CARRIAGE	"
SEED COLOR	" "	SEED SHAPE	"

COMMENTS:

Southern States 76-30**EXHIBIT D****Additional Description of the Variety**

'Southern States 76-30' is a medium tall, early winter oat variety, and is similar to 'Coker 716' in several plant characteristics and in reaction to several diseases, but differs in being about 2 days earlier and significantly taller,

Winter growth habit is prostrate, plant color is light green approximating RHS 137 B. Leaf surfaces are glabrous, margins ciliate, and sheaths somewhat hairy with liques present.

Panicles are equilateral, spreading with erect rachis. Spikelets commonly consist of two florets, but occasionally three. Spikelet separation is by semiabscission and floret separation by heterofracture. Awns are infrequent, and about 19mm long.

It is susceptible to crown and stem rust, but is resistant to soil-borne mosaic and culm rot.

General area of adaptation is a line north of I-20 in Arkansas, Louisiana, Mississippi, Alabama, Georgia and South Carolina; all of North Carolina and Virginia except the mountainous areas; and in western areas of Tennessee and Kentucky,

TRANSFER OF OWNERSHIP

A PROTECTED OAT VARIETY

SOUTHERN STATES 76-30

Plant Variety Protection Certificate No. 8200078

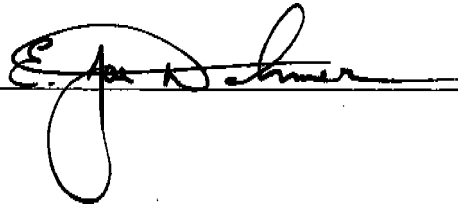
In consideration of Southern States Cooperative, Inc., P. O. Box 26234, Richmond, Virginia 23260, entering into a contractual agreement dated September 5, 1980, with Coker's Pedigreed Seed Company, Hartsville, South Carolina, Coker's Pedigreed Seed Company does hereby convey to Southern States Cooperative, Inc., free from all encumbrances, ownership of Southern States 76-30 protected oat variety, Certificate No. 8200078, dated July 15, 1982.

IN WITNESS AND NOTARIZED HEREOF this 25th day of August, 1982.

WITNESS

COKER'S PEDIGREED SEED COMPANY

By:



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

My commission expires 3/20/90.

Notary Public for South Carolina