No. 9600391

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

University of Georgia Research Foundation, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE , OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

FESCUE, TALL

'Jesup'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this thirtieth day of January, in the year two thousand three.

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

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions.*

FORM APPROVED - OMB NO. 0581-005

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

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act o 1974 (5 U.S.C. 552a).

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

1. NAME OF APPLICANT(S) *(as it is to appear on the Certificate)*
University of Georgia Research Foundation, Inc.

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER
GA-Jesup Improved

3. VARIETY NAME
Jesup

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*
Room 630 Graduate Studies Bldg.
University of Georgia
Athens, GA 30602

5. TELEPHONE *(include area code)*
706-542-6512

6. FAX *(include area code)*
706-542-5901

FOR OFFICIAL USE ONLY

PVPO NUMBER 9600391

FILING DATE: Sept. 12, 1996

FEES RECEIVED
FILING AND EXAMINATION FEE: $ 2450.00
DATE: 09/12/96
CERTIFICATION FEE: $ 320
DATE: 01/23/03

7. GENUS AND SPECIES NAME
Festuca arundinacea Schreb.

8. FAMILY NAME *(Botanical)*
Poaceae

9. CROP KIND NAME *(Common name)*
Tall Fescue

10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.)* *(Common name)*
Corporation

11. IF INCORPORATED, GIVE STATE OF INCORPORATION
Georgia

12. DATE OF INCORPORATION
Nov. 17, 1978

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS
~~Janice Kimpel~~ John Ingle
University of Georgia Research Foundation, Inc.
Room 630 Graduate Studies Bldg.
University of Georgia
Athens, GA 30602

RAD 5/29/97

14. TELEPHONE *(include area code)*

15. FAX *(include area code)*
706-542-6512
~~706-542-5929~~

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

a. ☒ Exhibit A. Origin and Breeding History of the Variety
b. ☒ Exhibit B. Statement of Distinctness
c. ☒ Exhibit C. Objective Description of the Variety
d. ☐ Exhibit D. Additional Description of the Variety
e. ☒ Exhibit E. Statement of the Basis of the Applicant's Ownership
f. ☒ Voucher Sample *(2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository)*
g. ☒ Filing and Examination Fee ($2,450), made payable to "Treasurer of the United States" *(Mail to PVPO)*

17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act)?*
☐ YES *(If "yes," answer items 18 and 19 below)* ☒ NO *(If "no," go to item 20)*

18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☐ YES ☐ NO

19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?
☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?
☐ YES *(If "yes," give names of countries and dates)* ☒ NO

21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

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

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

SIGNATURE OF APPLICANT *(Owner(s))*

NAME *(Please print or type)*
Joe L. Key Joe L Key

CAPACITY OR TITLE
Executive Vice President

DATE
8-30-96

SIGNATURE OF APPLICANT *(Owner(s))*

NAME *(Please print or type)*

CAPACITY OR TITLE

DATE

SD-470 (04-96) *(Previous editions are to be destroyed)*

(See reverse for instructions and information collection burden statement)

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed Exhibits A, B, C, E; (3) at least 2,500 viable untreated seeds, or for tuber reproduced varieties verification that a viable *(in the sense that it will reproduce an entire plant)* tissue culture will be deposited and maintained in a public repository prior to issuance of a certificate; (4) check drawn on a U.S. bank for $2,450 ($300 filing fee and $2,150 examination fee), payable to "Treasurer of the United States" *(See Section 97.175 of the Regulations and Rules of Practice.)* Partial applications will be held in the PVPO for not more than 30 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Blvd., Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of $300 for issuance of the Certificate.

Plant Variety Protection Office
Telephone: (301) 504-5518

ITEM

16a. Give:
(1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
(2) the details of subsequent stages of selection and multiplication;
(3) evidence of uniformity and stability; and
(4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified.

16b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
(1) identify these varieties and state all differences objectively;
(2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences;
(3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.

16c. Exhibit C forms are available from the PVPO for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.

16d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.

16e. Section 52(4) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. The applicant may be the actual breeder, the employee of the breeder, the owner through purchase or inheritance, etc.

17. If "Yes" is specified *(seed of this variety be sold by variety name only, as a class of certified seed)*, the applicant may NOT reverse this affirmative decision after the variety has been sold and so labelled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. *(See P.L. 103-349 for additional information.)*

20. See Sections 41, 42, and 43 of the Act and Section 97.175 of the regulations for eligibility requirements.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment is specified in Section 97.175 of the regulations. *(See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of Regulations and Rules of Practice.)*

To avoid conflict with other variety names in use, the applicant should check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089.

USDA-AMS-PVPO
RECEIVED
96 SEP 12 PM 3:04

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Washington, DC 20250 and to the Office of Management and Budget, Paperwork Reduction Project (OMB No 0581-0066), Washington, DC 20503

9600391

Revised: August 28, 1997

Tall Fescue

'Jesup'

14A. Exhibit A. Origin and Breeding History of the Variety.

'Jesup' tall fescue is a 15 clone synthetic cultivar. The 15 parent clones originated from 32 clones collected in 1981 from a pasture near Jesup, GA. According to farmer records, this pasture had been established with 'Kentucky 31' tall fescue in 1967. 'Kentucky 31' is therefore felt to be the most probable variety planted in the area of collection. The 32 initially collected clones were identified sequentially as UGA Clone Nos. 81-129 to 81-163. These 32 clones were polycrossed in 1982 at Athens, GA and their polycross half-sib progenies were tested during 1983 to 1985 at Tifton and Athens, GA. A bulk of the half sib seed of these 32 clones was also made in 1983 and identified as GA-JES for testing purposes. The 15 clones whose polycross progeny possessed the best survival and yield potential during the 1983-85 testing were UGA Clone Nos. 81-131, 81-134, 81-135, 81-136, 81-138, 81-143, 81-145, 81-147, 81-149, 81-151, 81-153, 81-154, 81-158, 81-159, and 81-163. These 15 clones were then polycrossed in isolation during 1986 and equal quantities of seed from each clone were bulked to produce Syn 1 seed which was identified as GA-JESIMP for testing purposes. GA-JESIMP therefore is 'Jesup' tall fescue, and for commercial seed production, the Syn 3 generation is breeders seed.

'Jesup' appeared stable and uniform through two generations of random mating seed increase. The same plant height differential to known checks was found for Syn 3 plants (Table 1) as for Syn 4 plants (Table 2). No variants have been observed.

JAS
12/27/02

Revised: August 28, 1997

14B. Exhibit B. Novelty Statement.

'Jesup' is most similar to 'Kentucky 31' and 'Georgia 5'. 'Jesup' differs from 'Kentucky 31' by heading earlier (Table 1), in possessing a shorter seedhead length (Table 1), by possessing a higher frequency of Green Group number 137 C class* leaves (Table 3), and with demonstrating better plant survival when tested under different agronomic conditions throughout the hot, humid Coastal Plain Region of the Southeastern USA (Tables 4, 5, and 6). 'Jesup' differs from 'Georgia 5' by heading later (Table 1), in possessing a shorter flag leaf and seedhead length (Table 1), a shorter plant height at maturity (Tables 1 and 2), and a lower frequency of Green Group number 137 C class* color leaves (Table 3).

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*Royal Horticultural Society Colour Chart (1995 Edition)

Table 1. **Morphological characteristics of different tall fescue cultivars grown as spaced plants (n=100). Test conducted at two different field sites (n=60 plants for each cultivar at site 1 and n=40 at site 2) near Athens, GA during 1992-93. Since there was no cultivar by location interaction data were pooled and means separated by LSD.**

Cultivar	†Days to Heading	Seedhead Length	Flag Leaf Length	‡Plant Height
	no.	----------cm----------		
Jesup (Syn 3)	110	21.5	9.5	91.5
Georgia 5	107	25.0	13.7	98.2
Kentucky 31	113	25.6	11.4	90.5
AU Triumph	100	21.2	10.7	97.7
Rebel	118	22.9	10.6	65.2
LSD (5%)	2	2.4	2.3	6.6

†Number of days from January 1 to first seedhead emergence.
‡Height of tallest culms of unmowed plants at maturity.

Table 2. **Plant height of different tall fescue cultivars (n=100) grown near Athens, GA during 1995-97.**

Cultivar	Plant Height†
	cm
Georgia 5	97.6
Kentucky 31	92.5
Jesup (Syn 4)	92.2
Rebel Jr.	74.2
LSD (5%)	4.4

†Height of tallest culms of unmowed plants at maturity.

Table 3. **Leaf color frequencies of tall fescue cultivars based on green group number 137 classes A, B, C, or D from the Royal Horticultural Society Colour Chart (1995 edition).**

	Classes of 137 Green Group			
Cultivar	A	B	C	D
	----------%	----------	----------	----------
Rebel Jr.	44.3	39.7	16.0	0.0
Kentucky 31	13.7	33.0	45.0	8.3
Jesup	9.0	32.0	55.7	3.3
Georgia 5	5.3	23.0	67.0	4.7
LSD (5%)	19.8	22.2	10.4	NS

Table 4. **Survival of tall fescue cultivars planted at Tifton, GA after three summer management conditions during 1993-95; Site 1=planted into bermudagrass and subjected to continuous grazing Site 2=planted in prepared seedbed and subjected to continuous grazing, or Site 3=planted into bermudagrass and clipped for hay. Stands determined in December as a percentage of ground cover occupied by tall fescue.**

	Site 1		Site 2		Site 3	
Cultivar	Initial	Final	Initial	Final	Initial	Final
	----------	----------	----------	%----------	----------	----------
Jesup	97.0	56.8	97.0	80.2	-------	------
Georgia 5	97.2	59.2	98.8	78.2	97.4	95.2
Kentucky 31	97.6	21.4	98.2	51.8	96.4	50.6
AU Triumph	97.8	20.0	97.0	50.6	95.6	29.2
LSD (5%)	NS	23.2	NS	24.3	NS	16.5

Table 5. **Survival of tall fescue cultivars planted into bermudagrass at Winnsboro, Louisiana after two summer management conditions (continuous grazing or clipped for hay). Stands determined in January as a percentage of ground cover occupied by tall fescue. Data obtained courtesy of Wink Alison, LSU Northeast Research Station.**

	Grazing		Hay	
Cultivar	Year 1	Year 2	Year 1	Year 2
	----------	----------	%----------	----------
Jesup	85	61	67	37
Georgia 5	77	53	42	35
Kentucky 31	54	27	27	10
LSD (5%)	10	7	14	13

Table 6. **Yield and survival of different tall fescue cultivars in Ona, Florida managed in replicated clipped plots (data obtained courtesy of Paul Mislevy, Univ. of Florida).**

Cultivar	1992-93†	1993-94†	Final Stand ‡
	----------tons/ac----------		%
Jesup	3.2 a§	1.6 a	71 a
Georgia 5	3.1 ab	1.0 b	42 b
Kentucky 31	2.5 b	0.0 c	0 c

†Total of 5 harvests per season (autumn through early summer).
‡Percentage of ground cover occupied by tall fescue.
§Means followed by the same letter are not significantly different at the 0.05 level of probablility (Waller-Duncan k ratio, k=100).

EXHIBIT C
(TALL & MEADOW FESCUES)

U.S. DEPARTMENT OF AGRICULTURE
PLANT VARIETY PROTECTION OFFICE, AMS, USDA
NATIONAL AGRICULTURAL LIBRARY Bldg., Rm. 500
10301 BALTIMORE Blvd.
BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY
TALL & MEADOW FESCUES
(*Festuca* spp.)

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME
University of Georgia Research Foundation, Inc.	GA-Jesup Improved	Jesup

ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code)	FOR OFFICIAL USE ONLY PVPO NUMBER
Room 630 Graduate Studies Bldg. University of Georgia Athens, GA 30602	9600391

Place the appropriate number that describes the varietal characteristic of this variety in the boxes below. Use leading zeroes when necessary (e.g. 089). Characteristics described, including numerical measurements, should represent those that are typical for the variety. Measured data should be for SPACED PLANTS. Royal Horticultural Society or any recognized color fan may be used to determine plant colors. Characteristics marked with an asterisk * are characteristics which should be recorded.

* 1. SPECIES: (With comparison varieties, use varieties within the species of the application variety)

20 1 = *F. arundinacea* (Tall)

Turf Types

1 = Kentucky 31 2 = Rebel 3 = Olympic 4 = Bonanza 5 = Arid 6 = Rebel II
7 = Shortstop 8 = Silverado 9 = Rebel Jr. 10 = Mini Mustang 11 = Crewcut 12 = Bonsai

Forage Types

20 = Kentucky 31 21 = Martin 22 = Forager 23 = Mozark
24 = Kenhy 25 = AU Triumph 26 = Fawn 27 = Cajun

____ 2 = *F. pratensis* (Meadow)

30 = Admira 31 = Beaumont 32 = Comtessa 33 = Ensign 34 = Trader

* 2. CYTOLOGY:

42 Chromosome Number

3. ADAPTATION: (0 = Not Tested; 1 = Not Adapted; 2 = Adapted)

2 Transition Zone 0 West 2 Northeast 2 Other (Specify): Southern USA

* 4. MATURITY: (Date First Headed, 10% of Panicle Emergence)

4 Maturity Class 1 = Very early ( ) 2 = AU Triumph 3 = Early (Fawn) 4 = K31, Kenhy 5 = Medium (Rebel)
6 = Bonanza 7 = Late (Silverado) 8 = 9 = Very late

Date Headed 20 April Location Athens, GA

8 Days earlier than Rebel

Maturity same as Kentucky 31 Comparison Variety

10 Days later than AU Triumph

* 5. MATURE PLANT HEIGHT CM: (Average of 100 culms from crown to top of panicle, if panicle is nodding, straighten)

9 1 . 5 cm Height

6.7 cm shorter than Georgia 5

Height same as Kentucky 31 Comparison Variety

2 6.3 cm taller than Rebel

* INTERNODE LENGTH CM: (First internode subtending the flag leaf)

2 2.0 cm Internode length

__.__ cm shorter than ___

Length same as Georgia 5 Comparison variety

2.0 cm longer than Kentucky 31

* HEIGHT AT EAR EMERGENCE CM: (Flag leaf height from crown to flag leaf node)

__.__ cm Height

__.__ cm shorter than ___

Height same as ___ Comparison Variety

__.__ cm taller than ___

6. GROWTH HABIT: (Mature Plants)

7 1 = Prostrate ( ) 3 = Semiprostrate ( ) 5 = Horizontal ( )
7 = Semierect (Rebel) 9 = Erect (Mini Mustang)

7. RHIZOMES (Psuedo):

4 0.6 mm Length ___1 = Absent ( ) 2 = Rare (Rebel) 3 = Common (X)

8. LEAF BLADE: (Tiller leaves/ turf color)

* 5 Color: 1 = Light green ( ) 3 = Medium light green ( ) 5 = Green ( )
7 = Medium dark green ( ) 9 = Very dark green ( )
5 Specify rating of comparison variety Georgia 5 and Kentucky 31

* 1 Anthocyanin: 1 = Absent ( ) 9 = Present ( )

* 9 Basal Hairs: 1 = Absent ( ) 9 = Present ( )

* 5 Margins: 1 = Smooth ( ) 5 = Semi-rough ( ) 9 = Rough ( )

* 5 Width Class: 1 = Very coarse ( ) 3 = Coarse ( ) 5 = Medium ( )
7 = Fine ( ) 9 = Very Fine ( )

TILLER LEAF LENGTH CM: (First leaf subtending the flag leaf)

3 3.7 cm Tiller Leaf Length

6.8 cm shorter than Georgia 5

Length same as Kentucky 31 Comparison Variety

__.__ cm longer than ___

* TILLER LEAF WIDTH MM:

9.8 mm Tiller Leaf Width

0.8 mm narrower than Georgia 5

Width same as Kentucky 31 Comparison variety

__.__ mm wider than ___

8. LEAF BLADE: (continued) Revised August 28, 1997 9600391

FLAG LEAF LENGTH CM:

__9.5 cm Flag Leaf Length

4.2 cm shorter than Georgia 5

Length same as Kentucky 31 Comparison Variety

__.__ cm longer than ___

FLAG LEAF WIDTH MM:

7.0 mm Flag Leaf Width

0.1 mm narrower than Georgia 5

Width same as Kentucky 31 Comparison variety

__.__ mm wider than ___

---

* 9. LEAF SHEATH: (Basal Portion)

* 9 Anthocyanin (seedling): 1 = Absent (K31) 9 = Present (x)

* 9 Auricle Hairiness: 1 = Absent ( ) 9 = Present (x)

---

* 10. PANICLE: (At seed maturity except where noted.)

* 1 Shape: 1 = Narrow-tapering ( ) 5 = Ovate ( ) 7 = Oblong ( ) 9 = Other (specify)

* 1 Type: 1 = Compact (appressed) 5 = Intermediate ( ) 7 = Open ( ) 9 = Other (specify)

* 9 Orientation: 1 = Nodding ( ) 9 = Erect ( )

* 9 Branch Pubescence: 1 = Glabrous ( ) 9 = Pubescent ( )

* 4 Anther Color (At anthesis): 1 = Yellowish Green 2 = Green 3 = Bluish Green 4 = Purplish 5 = Reddish 6= Other (Specify)

* 4 Glume Color (At anthesis): 1 = Yellowish Green 2 = Green 3 = Bluish Green 4 = Purplish 5 = Reddish 6= Other (Specify)

*21.5 cm Panicle Length (from base to tip, if nodding, straighten; after anthesis)

4.1 cm shorter than Kentucky 31

Length same as AU Triumph Comparison Variety

__.__ cm longer than ___

---

* 11. SEED: (With Lemma & Pelea)

*2400 mg per 1000 seeds

700 mg less than AU Triumph

Weight same as Kentucky 31 Comparison Variety

200 mg more than Rebel

PALEA: (Keels or Margins) 1 Hairs: 1 = Absent ( ) 5 = Short (Missouri 96) 9 = Long ( )

LEMMA: 1 Hairs: 1 = Absent (Kenhy) 5 = Several ( ) 9 = Many (Missouri 96)

6.6 mm Lemma Length (Mature) __.__ mm Lemma width

__.__ mm shorter than ___ __.__ mm narrower than ___

Length same as Kentucky 31 Comparison Variety Width same as ___ Comparison variety

0.5 mm longer than Rebel __.__ mm wider than ___

10. PANICLE: (continued)

*AWNS: 9 AWNS: 1 = Absent ( ) 9 = Present (Falcon) 40 % Plants with awns

1.2 mm Awn length (Of those present.)

0.5 mm Shorter than Kentucky 31

Length same as Rebel Comparison Variety

__.__ mm Longer than ___

12. DISEASE, INSECT, AND NEMATODE REACTION: (0= Not Tested 1= Least Resistant 9= Most Resistant)

___ Melting-out *Drechslera poae*

___ Leaf Spot *D. siccans*

___ Net Blotch *D. dictyoides*

___ Brown Patch *Rhizoctonia solani*

___ C. Leaf Spot *Cercospora fectucae*

___ Pink Snow Mold *Gerlachia nivalis*

___ Silver Top *F. tricinctum, F. roseum*

___ Blind Seed *Gloeotinia temulenta*

___ Dollar Spot *Lanzia, Mollerdiscus* spp.

___ Stem Rust *Puccinia graminis*

___ T. Blight *Typhula incarnata*

___ Pythium Blight *Pythium* spp.

___ Powdery Mildew *Erysiphe graminis*

___ Crown Rust *Puccinia coronata*

___ Other Disease _____

___ Other Insect _____

___ Other Nematode _____

13. ENVIRONMENTAL STRESS

9 Drought Stress	1 = Susceptible ( )	5 = Tolerant ( )	9 = Resistant ( )
___ Shade Stress	1 = Susceptible ( )	5 = Tolerant ( )	9 = Resistant ( )
___ Winter Stress	1 = Susceptible ( )	5 = Tolerant ( )	9 = Resistant ( )

14. GIVE VARIETY OR VARIETIES THAT MOST CLOSELY RESEMBLE THE APPLICATION VARIETY. For the following characteristics, indicate the degree of resemblance with the following scale:

1 = Application variety is less than comparison variety 2 = Same as 3 = More than, better, greater, darker, etc.

Character	Varieties	Rating	Character	Varieties	Rating
Leaf Width	Georgia 5	1	Leaf Color	Kentucky 31	3
	Kentucky 31	2		Georgia 5	3
Panicle Color			Panicle Shape		
Seed Size	Kentucky 31	2	Cold Injury		
	AU Triumph	1			
Winter Color			Heat		
Disease					

* 15. EXPERIMENTAL: Give a brief summary of the experimental design utilized to collect the data used on this form. Cultural conditions, number of plants measured and plant spacing must be specified.

Revised: August 28, 1997

15. EXPERIMENTAL:

All data for Exhibit C were collected from spaced plants grown in the field near Athens, GA. Individual greenhouse established seedlings of 'Jesup' and the check varieties (i. e. 'Georgia 5', 'Kentucky 31', 'AU Triumph', and 'Rebel') were transplanted into row plots arranged at two sites in randomized complete block design in October, 1992. Each row contained 20 plants and there were 2 different blocks (replications) of each variety at one site and 3 blocks at another site thus giving 100 total different plants scored for each variety. Rows were spaced 30 inches apart and plants were spaced 15 inches apart within each row. During the following spring, plant maturity was recorded and measurements were made from randomly collected plant parts (including seed) from each plant in each row. Another area was established in a similar manner in October 1995 and scored in the spring of 1997 in order to obtain additional plant height and seedhead characteristics data. In this test, however, the cultivar 'Rebel Jr.' was substituted for 'Rebel' and 'AU Triumph' was not used.

EXHIBIT - E
THE UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.
STATEMENT OF APPLICANT'S OWNERSHIP

The variety for which plant variety protection is hereby sought was developed by Dr. Joseph H. Bouton, an employee of The University of Georgia. The University of Georgia is one of the universities of the University System of Georgia. The Board of Regents of the University System of Georgia ("Board of Regents") is a body that was created by the Constitution of the State of Georgia and is charged with the responsibility of operating the universities in the University System of Georgia. The University of Georgia Research Foundation, Inc. is a Georgia nonprofit corporation which was incorporated to, among other things, own and exploit intellectual property developed or created at The University of Georgia. On June 9, 1982, the Board of Regents approved a Patent Policy regarding inventions and discoveries by persons employed at The University of Georgia. As an employee of The University of Georgia, Dr. Joseph H. Bouton is subject to said Patent Policy. Rights in novel plant varieties developed at The University of Georgia, including "Jesup", are covered by said Patent Policy. By agreement, the Board of Regents assigned to the University of Georgia Research Foundation, Inc. all rights in intellectual property covered by said Patent Policy. This agreement applies to then existing intellectual property and to intellectual property which was developed thereafter.