No. 7700112

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Curran L. Garrett

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 [illegible]D OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EX- [illegible] OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, [illegible]ORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT [illegible] THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT [illegible]42, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

ST. AUGUSTINEGRASS

'Christi'

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* 26th *day of* February *in the year of our Lord one thousand nine* [illegible]*ndred and* eighty.

Attest:

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

[illegible]*tary of Agriculture*

FORM GR-470 (1-76)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
PLANT VARIETY PROTECTION OFFICE
NATIONAL AGRICULTURAL LIBRARY
BELTSVILLE, MARYLAND 20705

FORM APPROVED OMB NO. 40-R3712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

1a. TEMPORARY DESIGNATION OF VARIETY 141 St. Augustine Seed	1b. VARIETY NAME Christi ~~See 1a~~ B 12/4/78	FOR OFFICIAL USE ONLY PV NUMBER 7700112
2. KIND NAME St. Augustine	3. GENUS AND SPECIES NAME Stenotaphrum Secundatum	FILING DATE 9-23-77 TIME 4:00 A.M. P.M. FEE RECEIVED $ 250.00 DATE 9-23-77
4. FAMILY NAME (BOTANICAL) Gramineae	5. DATE OF DETERMINATION November 3, 1989	$ 250.00 9-23-77 $ 250.00 1-2-80
6. NAME OF APPLICANT(S) Curran L. Garrett	7. ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*) 655 Henrietta, Ingleside, Texas, 78362	8. TELEPHONE AREA CODE AND NUMBER 512-776-7249
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (*Corporation, partnership, association, etc.*) N/A	10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION N/A	11. DATE OF INCORPORATION N/A

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

~~Charles H. De La Garza, Esq.~~
~~Arnold, White & Durkee~~
~~2100 Transco Tower~~
~~Houston, Texas 77056~~

Arthur MILBERGER
P.O. BOX 350
BAY CITY, TEXAS 77414
Tel. (713) 245-2655
B 8/31/78
as per letter

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- [XX] 13A. Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant Variety Protection Act.)*
- [X] 13B. Exhibit B, Novelty Statement.
- [X] 13C. Exhibit C, Objective Description of the Variety *(Request form from Plant Variety Protection Office.)* B 12/29/78
- [X] 13D. Exhibit D, Additional Description of the Variety.

14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? *(See Section 83(a). (If "Yes," answer 14B and 14C below.)* [ ] YES [XX] 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

15. Does the applicant(s) agree to the publication of his/her (their) name(s) and address in the Official Journal? [XX] YES [ ] NO

16. The applicant(s) declare(s) 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) 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.

9/23/77 (DATE) — Curran L. Garrett (SIGNATURE OF APPLICANT)
Curran L. Garrett

(DATE) — (SIGNATURE OF APPLICANT)

RECEIVED SEP 23 1974

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, National Agricultural Library, 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 commerical 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 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 or published or the certificate has been issued. However, if the applicant specifies "NO", he may change his choice. (See Section 180.15 of the Regulations and Rules of Practice.)

Enclosure #2 No. 7700112

EXHIBIT "A"
Rewrite September 25, 1979

1. The St. Augustine seed which is the subject matter of this application results from the open pollination of St. Augustine Grass described in United States Plant Patent No. 3834 issued on March 2, 1976. The grass from which the seed was producted was discovered in Corpus Christi, Texas. Cuttings from this discovered grass were planted and it was subsequently discovered on November 3, 1969 that a significantly high percentage of seed germinated.

2. In June, 1975, a six acre plot was planted with the grass described and claimed in United States plant patent No. 3834. A harvest of the seed thereby produced was made in June, 1976 and this harvest indicated an approximate yield of 225 pounds of seed per acre. (See attached certificates for Additional Data)

3. Tests were run to determine the ability of the seed to produce a St. Augustine grass plant having the desirable and distinct characteristics. Only first generation seed (F-1) will be grown from self pollinated plants vegetatively propigated from plant patent No. 3834. 'Christi' is a stable variety maintaining the same characteristics when grown from different seed lots. 'Christi' is a uniform variety. Variants which occur are: (1) plants with upright growing characteristics with wider longer leaves (less than 2.5%) and (2) varigated plants (less than 1%). Total variants should not exceed 3.5%. These variants however produce desirable and attractive plants which are commercially acceptable.

EXHIBIT B

BOTANICAL DESCRIPTION OF VARIETY

The following is a detailed description of "Christi" St. Augustine Grass Variety, with color terminology in accordance with ISCC-NBS Centroid Color Charts, Except where general color terms of ordinary dictionary signifi-gance are obvious.

GROWTH HABIT: Very low-grow stoloniferous;Dwarf; Fast Growing; with little stolon branching prior to 12th to 14th internode.

CULMS: Branching; Slightly compressed.

STOLONS: Small; oval shaped.

INTERNODES: Oval shaped primary stolon internodes at 4th internode 2.4 mm X 1.9 mm in cross section and average 30.4 mm in length; branch stolons at 12th to 14th internode average 1.97 mm X 1.67 mm in cross section and 22.1 mm in length.

COLOR: Dark gray red....Color No. 20

LEAF BLADE: Leaves folded in the bud. Barbed.

LENGTH: Total maximum uncut height 7.5 cm; leaf length at the 4th or 5th internode about 30.5 mm.

WIDTH: 5.3 mm.....10 mm from collar.

COLOR: Medium olive green....color No. 125.

VENATION: Obscure except the midrib which is prominent on the underside.

COLLAR: Continuous; wide at the margins and narrow at the midrib....color white.

EXHIBIT B

LIGULE: A continuous fringe of hairs measuring about 2.0 mm to 3.0 mm long.

AURICLES: Absent but represented by an intermittent fringe of white hair measuring about 0.7 mm long and extending about 1.4 mm down the sheath.

INFLORESCENCE: A moderately fleshy raceme with about 25 embeded spikelets about half of which are fertile.

FLOWERING SHOOTS: About 18 cm long
RACEME: Average length 7.1 cm
SPIKELETS: About 4.0 mm
FIRST GLUME: About 2.81 mm
SECOND GLUME: About 4.19 mm
PALEA: About 3.50 mm
LEMMA: About 4.10 mm
STIGMA: Color white
SEED SIZE: Length 2.0 mm; width about 1.4 mm; thickness about 0.9 mm.

2/21/78

"Christi"

9/5/79

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN AND SEED DIVISION
BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY
ST. AUGUSTINEGRASS (Stenotaphrum secundatum)

Place the appropriate number that describes the varietal character of this variety in the boxes below. Fill unused columns with zeroes (e.g. [0|9|9] when number is 99). The value [0|0] should only be used to indicate that the varieties are equal. The symbol ▲ indicates a decimal point. Characteristics described, including numerical measurements, should represent those which are TYPICAL for the variety. Measured data should be for unclipped spaced plants in plots, or in individual pots if greenhouse-grown. Comparisons to standard varieties must be made under the same conditions. Give location of test area Ingleside, Texas.

1. PLOIDY:
[|] 2n chromosome no. Unknown

2. GROWTH HABIT:
[1] 1=Prostrate (Floratine) 2=Intermediate (Bitter Blue)
3=Upright (Floratam)

STANDARD VARIETIES
1= Floratam 2=Floratine

3. STOLON:
[2] Color: 1=green ( ) 2=red (Floratam)

[3|0▲6] mm internode length (3rd or 4th).. { [|5▲0] mm shorter than [2] standard variety; [| ▲] mm longer than [ ] standard variety }

4. LEAF:
BLADE (Adaxial surface):
[2] Color: 1=Yellow green (Roselawn) 2=Moderate olive (Scotts 1081)
3=Dark green (Floratam) 4=Blue green (Floratine)

[2] Presence of Barbs: 1=Absent (Floratine) 2=Present (Bitter Blue)
[1] Hairiness: 1=Glabrous (Bitter Blue) 2=Pubescent (Floratine)

[5▲3] mm width (10 mm from collar)..... [3▲1] mm narrower than [2] standard variety; [▲] mm wider than [ ] standard variety

[3|0▲5] mm length.....1 [5▲5] mm shorter than [2] standard variety; [|] mm longer than [ ] standard variety

SHEATH (Adaxial margin):
[1] Presence of long hairs: 1=Absent (Bitter Blue) 2=Present(Floratine)
COLLAR (Adaxial margin):
[1] Hairiness: 1=Hairless (Scotts 1081) 2=Hairy (Ea 673)

5. FLOWERING SHOOT: (At anthesis)
[1|8] cm. tall (from soil level to tip of terminal raceme)... { [1|5] cm shorter than [2] standard variety; [|] cm taller than [ ] standard variety }

[7▲1] cm raceme length (lowest spikelet to tip of raceme).. { [|▲8] cm shorter than [2] standard variety; [| ▲] cm longer than [ ] standard variety }

[2|5] no. spikelets/raceme [1|1] no. seeds/raceme (at maturity)

EXHIBIT D

DATA INDICATIVE OF NOVELTY

Novelty is based on a combination of unique characters as shown below;

"Christi" St. Augustine Grass most closely resembles St. Augustine NO. 141 except it differs in that;

(1) It averages about 4.4 cm shorter

(2) The flowering shoots are about 10.5 cm shorter

(3) The stolons branch much less than St. Augustine NO. 141 and do not start jointing until about 12th to 14th internode while the St. Augustine NO. 141 starts jointing at the 5th or 6th internode.

(4) Both the first and second glumes are much longer

August 23, 1979

EXHIBIT B - ~~REVISED~~ Vegetatively Propagated 8/13/79

BOTANICAL DESCRIPTION OF VARIETY

The following is a detailed description of "Christi" St. Augustine Grass variety, with color terminology in accordance with ISCC-NBS centroid color charts, except where general color terms of ordinary dictionary significance are obvious.

GROWTH HABIT: Very low-growing; Stoloniferous; Dwarf; Fast Growing with little stolon branching prior to 12 to 14 internode.

CULMS: Branching; Slightly compressed.

STOLONS: Small; oval shaped.

INTERNODES: Oval shaped; primary stolon at 4th internode 2.6 mm X 2.1 mm in cross section and measure 42 mm in length

COLOR: Dark Gray Red...Color No. 20

LEAF BLADES: Leaves folded in the bud. Barbed.

LENGTH: Total maximum uncut height 8 cm; leaf length at 5th internode 31.7 mm

WIDTH: 3.5 mm...25 mm from collar

COLOR: Medium olive green..Color No. 125

VENATION: Obscure except the midrib which is prominent on the underside

COLLAR: Continuous; wide at margins and narrow at the midrib-color white

LIGULE: A continuous fringe of hairs measuring .3 mm long

AURICLES: Absent but represented by an intermittent fringe of white hair measuring 1.0 mm long and extending 1.1 mm down the sheath.

INFLORESCENCE: A moderately fleshy raceme with 22 embeded spikelets. Half of which are fertile.

FLOWERING SHOOTS: 18.5 cm above ground
RACEME: 7.0 mm
SPIKELETS: 4.4 mm
FIRST GLUME: 2.4 mm
SECOND GLUME: 4.0 mm
PALEA: 3.3 mm
LEMMA: 4.0 mm
SIGMA: Color White
SEED SIZE: Length 1.5 mm; width .8mm; thickness .7 mm

ENCLOSURE #1 STATISTICS OF MEASUREMENTS

August 22, 1979

	Flower Shoot Height	Raceme	Spiklet Length	1st. Glume	2nd. Glume	Palea	Lemma	Stigma
141	26.5 cm	7.3 7.2 8.5 7.0 7.5 8.3 7.6 cm	3.6 3.7 3.9 3.8 3.4 3.68 mm	1.6 1.4 1.9 1.6 1.6 mm	3.2 3.1 3.4 4.1 3.45 mm	3.1 3.1 2.5 2.9 mm	3.6 3.9 3.3 3.6 mm	White
Christi	18.5 cm	6.9 8.2 6.5 6.4 7.0 cm	4.7 4.2 4.45 mm	2.4 2.7 2.1 2.3 2.3 2.36 mm	4.1 3.5 4.1 4.4 4.0 4.02 mm	3.1 3.6 2.9 3.5 3.28 mm	4.1 4.2 3.7 4.0 4.0 mm	White
Floratam			.55 mm	.16 mm	.52 mm	.50 mm	.52 mm	

	Stolon Color	Internode Length	Blade Width	Blade Length	Blade Color	Venation	Collar Color	Ligule
141		3.73 4.53 3.72 4.04 4.02 4.00 cm	5.1 4.1 4.7 5.1 5.3 4.9 mm	2.87 3.23 2.41 3.23 3.90 3.13 cm			White & Compressed	Fringe of White Hair .2 mm long
Christi		4.2 4.4 4.0 4.2 4.4 4.24 cm	6.2 4.6 4.7 4.7 4.8 5.0 mm	3.32 2.97 3.21 2.62 3.74 3.17 cm			White & Compressed	Fringe of White Hair .3 mm long

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN AND SEED DIVISION
BELTSVILLE, MARYLAND 20705

August 23, 1979

*See Note on Page 2

OBJECTIVE DESCRIPTION OF VARIETY
ST. AUGUSTINEGRASS (Stenotaphrum secundatum)

lace the appropriate number that describes the varietal character of this ariety in the boxes below. Fill unused columns with zeroes (e.g. [0|9|9] hen number is 99). The value [0|0] should only be used to indicate that he varieties are equal. The symbol ▲ indicates a decimal point. haracteristics described, including numerical measurements, should represent hose which are TYPICAL for the variety. Measured data should be for unclipped paced plants in plots, or in individual pots if greenhouse-grown. Comparisons o standard varieties must be made under the same conditions. Give location f test area Ingleside, Texas.

. PLOIDY:
[ ] 2n chromosome no.

. GROWTH HABIT:
[1] 1=Prostrate (Floratine) 2=Intermediate (Bitter Blue)
3=Upright (Floratam)

STANDARD VARIETIES
1= Floratam 2=Floratine

. STOLON:
[2] Color: 1=green ( ) 2=red (Floratam)

4 [2▲4] mm internode length (3rd or 4th).. { [1 7▲8] mm shorter than [1] standard variety; [▲] mm longer than [ ] standard variety

LEAF:
BLADE (Adaxial surface):
[2] Color: 1=Yellow green (Roselawn) 2=Moderate olive (Scotts 1081)
3=Dark green (Floratam) 4=Blue green (Floratine)

[2] Presence of Barbs: 1=Absent (Floratine) 2=Present (Bitter Blue)
[1] Hairiness: 1=Glabrous (Bitter Blue) 2=Pubescent (Floratine)

3 [▲0] mm width (25 mm from collar)..... [4▲0] mm narrower than [1] standard variety; [▲] mm wider than [ ] standard variety

3 [1 7] mm length..... [7 7] mm shorter than [1] standard variety; [ ] mm longer than [ ] standard variety

SHEATH (Adaxial margin):
[1] Presence of long hairs: 1=Absent (Bitter Blue) 2=Present (Floratine)
COLLAR (Adaxial margin):
[1] Hairiness: 1=Hairless (Scotts 1081) 2=Hairy (Ea 673)

. FLOWERING SHOOT: (At anthesis)
18 [5] cm. tall (from soil level to tip of terminal raceme)... { [2 2] cm shorter than [1] standard variety; [ ] cm taller than [ ] standard variety

[7▲0] cm raceme length (lowest spikelet to tip of raceme).. { [▲4] cm shorter than [1] standard variety; [▲] cm longer than [ ] standard variety

* See Note
2 [2] no. spikelets/raceme [1 3] no. seeds/raceme (at maturity)

6. SPIKELET:

4.40 mm spikelet length.... { 1.10 mm shorter than [1] standard variety; ___ mm longer than [ ] standard variety }

2.36 mm 1st glume length... { .76 mm shorter than [1] standard variety; ___ mm longer than [ ] standard variety }

4.00 mm 2nd glume length.. { 1.20 mm shorter than [1] standard variety; ___ mm longer than [ ] standard variety }

4.00 mm lemma length..... { 1.20 mm shorter than [1] standard variety; ___ mm longer than [ ] standard variety }

3.30 mm palea length..... { 1.70 mm shorter than [1] standard variety; ___ mm longer than [ ] standard variety }

1.50 mm seed length..... { ___ mm shorter than [1] standard variety; ___ mm longer than [ ] standard variety }

FLORATAM DOES NOT PRODUCE SEED

[ ] Stigma color: 1=White 2=Purple

7. INSECTS AND DISEASES: (0=not tested, 1=susceptible, 2=resistant)

[0] Chinch Bug (Blissus leucopterus) [0] Sod Web Worm(Pachyzancla phaeopteralis)
[0] Sting Nematodes (Belonolainus sp.)
[0] St. Augustine Decline Virus
[0] Brown Patch (Pellicularia filamentosa)
[0] Gray Leafspot (Piricularia grisea)

8. INDICATE THE VARIETY THAT MOST CLOSELY RESEMBLES THE APPLICATION VARIETY FOR THE FOLLOWING CHARACTERS.

CHARACTER	VARIETY	CHARACTER	VARIETY
Rate of spread	1	Color	2
Turf density	2	Cold tolerance	2

** Floratam produced very few flowering shoots this year.

* This revised data is based on vegetatively propagated cuttings of "Christi" St. Augustine.

Enclosure #3

EXHIBIT D (REVISED OCTOBER 12, 1979)

Data Indicative of Novelty

Novelty is based on a combination of unique characters as shown below:

1. 'Christi' St. Augustine Grass most closely resembles St. Augustine 141 except it differs in that uncut height is 2.5 cm shorter than 141, 10.5 vs. 8.0 cm.
2. The flowering shoots are 8.0 cm shorter than 141, 26.5 vs. 18.5 cm.
3. The spiklet length is longer by .77 mm, 3.68 cm vs. 4.45 cm.
4. The first glume is longer by .73 mm, 1.625 vs. 2.360 mm, while the second clume is longer by .57 mm, 3.45 vs. 4.02 mm. In addition the palea and lemma are longer by .38 mm, 2.90 vs. 3.28, and .40 mm, 3.60 vs. 4.0 respectively.

NOTE: This data is based on vegetatively propagated cuttings of the same stage of maturity of 'Christi' St. Augustine and 141 St. Augustine planted at the same time and grown outdoors in full sun on the same bench.

AFFIDAVIT

I am the owner of the seed which is the subject of plant variety protection application number 7700112, Christi. The seeded variety covered by this application was not available for sale or distribution prior to October 1, 1976, the date of publication of a classified advertisement placed in The Southern Florist and Nurseryman Magazine.

Signed Curran L. Garrett
Curran L. Garrett

Subscribed and sworn to before me this 6th day of December, 1979 at Corpus Christi County of Nueces State of Texas.

RICHARD ROCHA
Notary Public, Nueces County, Texas
My Commission Expires 4/17/80
Richard Rocha

2/21/78

"Christi"
9/5/79

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN AND SEED DIVISION
BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY
ST. AUGUSTINEGRASS (Stenotaphrum secundatum)

Place the appropriate number that describes the varietal character of this variety in the boxes below. Fill unused columns with zeroes (e.g. [0|9|9] when number is 99). The value [0|0] should only be used to indicate that the varieties are equal. The symbol ▲ indicates a decimal point. Characteristics described, including numerical measurements, should represent those which are TYPICAL for the variety. Measured data should be for unclipped spaced plants in plots, or in individual pots if greenhouse-grown. Comparisons to standard varieties must be made under the same conditions. Give location of test area Ingleside, Texas.

1. PLOIDY:
[|] 2n chromosome no. Unknown

2. GROWTH HABIT:
[1] 1=Prostrate (Floratine) 2=Intermediate (Bitter Blue)
3=Upright (Floratam)

STANDARD VARIETIES
1= Floratam 2=Floratine

3. STOLON:
[2] Color: 1=green ( ) 2=red (Floratam)

[3|0▲6] mm internode length (3rd or 4th).. { [5▲0] mm shorter than [2] standard variety; [▲] mm longer than [ ] standard variety

4. LEAF:
BLADE (Adaxial surface):
[2] Color: 1=Yellow green (Roselawn) 2=Moderate olive (Scotts 1081)
3=Dark green (Floratam) 4=Blue green (Floratine)

[2] Presence of Barbs: 1=Absent (Floratine) 2=Present (Bitter Blue)
[1] Hairiness: 1=Glabrous (Bitter Blue) 2=Pubescent (Floratine)

[5▲3] mm width (10 mm from collar)..... [3▲1] mm narrower than [2] standard variety; [▲] mm wider than [ ] standard variety

[3|0▲5] mm length.....1 [5▲5] mm shorter than [2] standard variety; [▲] mm longer than [ ] standard variety

SHEATH (Adaxial margin):
[1] Presence of long hairs: 1=Absent (Bitter Blue) 2=Present(Floratine)
COLLAR (Adaxial margin):
[1] Hairiness: 1=Hairless (Scotts 1081) 2=Hairy (Ea 673)

5. FLOWERING SHOOT: (At anthesis)
[1|8] cm. tall (from soil level to tip of terminal raceme)... { [1|5] cm shorter than [2] standard variety; [|] cm taller than [ ] standard variety

[7▲1] cm raceme length (lowest spikelet to tip of raceme).. { [▲8] cm shorter than [2] standard variety; [▲] cm longer than [ ] standard variety

[2|5] no. spikelets/raceme [1|1] no. seeds/raceme (at maturity)

6. SPIKELET:

4.00 mm spikelet length....	0.80	mm shorter than	2 standard variety
		mm longer than	standard variety
2.81 mm 1st glume length...		mm shorter than	standard variety
	1.66	mm longer than	2 standard variety
4.19 mm 2nd glume length..	0.21	mm shorter than	2 standard variety
		mm longer than	standard variety
4.10 mm lemma length.....	0.40	mm shorter than	2 standard variety
		mm longer than	standard variety
3.50 mm palea length.....	1.03	mm shorter than	2 standard variety
		mm longer than	standard variety
2.00 mm seed length.....		mm shorter than	2 standard variety
		mm longer than	standard variety

#2 Standard Variety Did Not Produce Seed.

1 Stigma color: 1=White 2=Purple

7. INSECTS AND DISEASES: (0=not tested, 1=susceptible, 2=resistant)

0 Chinch Bug (Blissus leucopterus) 0 Sod Web Worm (Pachyzancla phaeopteralis)
0 Sting Nematodes (Belonolainus sp.)
0 St. Augustine Decline Virus
0 Brown Patch (Pellicularia filamentosa)
0 Gray Leafspot (Piricularia grisea)

8. INDICATE THE VARIETY THAT MOST CLOSELY RESEMBLES THE APPLICATION VARIETY FOR THE FOLLOWING CHARACTERS.

CHARACTER	VARIETY	CHARACTER	VARIETY
Rate of spread	1	Color	2
Turf density	2	Cold tolerance	2