No. 7300010

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Syler, Incorporated

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 (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

Buccaneer

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* fifth *day of* July *in the year of our Lord one thousand nine hundred and* seventy three.

Attest:

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Secretary of Agriculture

FORM GR-470
(12-15-72)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

FORM APPROVED
OMB NO. 40-R3712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

1. VARIETY NAME OR TEMPORARY DESIGNATION BUCCANEER	2. KIND NAME SOYBEAN	FOR OFFICIAL USE ONLY PV NUMBER 73010
3. GENUS AND SPECIES NAME glycine max	4. FAMILY NAME *(Botanical)* LEGUMINOSAE	FILING DATE 10·10·72 TIME 1:15 P.M. FEE RECEIVED $250.00 BALANCE DUE $ .00
	5. DATE OF DETERMINATION OCT. 1971	$ ___ $ ___ $ ___ $ ___
6. NAME OF APPLICANT(S) SYLER, INC. BOX B PLYMOUTH, IND. 46563	7. ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*	8. TELEPHONE AREA CODE AND NUMBER 219 963 2191

9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: *(Corporation, partnership, association, etc.)* SYLER INC.	10. STATE OF INCORPORATION INDIANA	11. DATE OF INCORPORATION 1932

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

JOHN GERARD
SYLER, INC.
BOX B
PLYMOUTH, IND. 46563

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

[X] 13A. Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant Variety Protection Act.)*

[X] 13B. Exhibit B, Botanical Description of the Variety

[X] 13C. Exhibit C, Objective Description of the Variety

[X] 13D. Exhibit D, Data Indicative of Novelty

[X] 13E. Exhibit E, Statement of the Basis of Applicant's Ownership

14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? *(See Section 83(a). (If "Yes," answer 14B and 14C below.)* [ ] YES [X] NO

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

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

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

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

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

SEPTEMBER 27, 1972
(DATE)

(SIGNATURE OF APPLICANT)

(DATE)

(SIGNATURE OF APPLICANT)

PV # 7300010

SOYBEAN

'Buccaneer'

13A. Exhibit A:

'Buccaneer' originated as a single plant from the cross 'Amsoy' x ('Magna' x Exp. 8314). It was multiplied after the first year of test and tested 2 years at 4 locations and at 8 additional locations in 1972.

13B. Exhibit B:

'Buccaneer's' within maturity spread is approximately 4 days.

13C. Exhibit C:

Seed shape	:	Round to slightly elongate
Seed color	:	Medium yellow
Seed luster	:	~~Dull~~ SHINY
Seed size	:	19 g/100 seeds
Hilum color	:	Dark yellow
Cotyledon color	:	Yellow
Protein content	:	42.2%
Oil content	:	21.0%
Leaflet size	:	Medium
Leaflet shape	:	Elongate
Leaflet color	:	Medium green
Flower color	:	Purple
Pod color	:	Tan
Plant pubescence color	:	Medium gray
Plant habit	:	Intermediate and indeterminate
Hypocotyl color	:	Purple
No. of days to flowering	:	50
Maturity group	:	II - 117 days
Lodging score	:	2.2
Height	:	102 cm.
Disease	:	Resistant to Phytophthora Root Rot

#73010

SYLER, INC., Plymouth, In 46563 September 26, 1972

ATTACHMENTS: Buccaneer Soybeans

12 A. Buccaneer soybean originated as single plant from the cross Amsoy X (Magna X Exp 8314). It was multiplied after the first year of test and has been tested 2 years at 4 locations. It is being tested at 8 locations in 1972 in Minnesota, Iowa and Illinois, Indiana and Ohio.

12 B. Buccaneer has purple flowers, gray pubescence, brown and tan pods, shiney seed coat luster, yellow seed coat and yellow hila. Its within maturity spread is approximately 4 days. Buccaneer is indeterminate and intermediate in growth characteristics. It has 3 leaflets per leaf and it has normal pubescence.

12 C. Buccaneer has yielded consistently above Amsoy 71 and Amsoy at the locations tested in each year. It is slightly shorter than Amsoy 71 and it has larger seed. Buccaneer's protein is 2 percentage points higher and its oil is 1 percentage point lower than Amsoy 71. Buccaneer is moderately resistant to Phythphthora rot.

Performance 1970-71

12 d.

VARIETY	YIELD	MAT	HT	LODG	SEED SIZE (g 1900)	Chemical % PRO	OIL
Buccaneer	45.8	9-22	40	2.2	19.0	42.2	21.0
Amsoy 71 [2]	44.5	9-22	42	2.2	16.5	40.2	22.0

1. All data collected similar to USDA and State Exp Stations.

2. Amsoy used in 1970 and Amsoy 71 in 1971.

12 E. Syler, Inc. by this statement, assures the exclusive ownership of the Variety BUCCANEER.

[illegible] MOST CLOSELY RESEMBLES THAT SUBMITTED.			
	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
[illegible]	BEESON	Petiole angle	?
[illegible]	BEESON	Seed size	BEESON
[illegible]	BEESON	Seed shape	BEESON
[illegible]	?	Seedling pigmentation	?

[illegible] SUBMITTED AND SIMILAR STANDARD VARIETY:

	NO. OF DAYS TO MATURITY	LODGING SCORE	PLANT HEIGHT CM	LEAF SIZE		CONTENT		AVERAGE NO. OF PODS PER PLANT	IODINE NO.
				Width	Length	Protein	Oil		
[illegible]	117	2.2	102 40"			42.2	21.0%		
[illegible]	117	2.2	107 42"			40.2	22.0		

INSTRUCTIONS

[illegible] The following publications may be used as a reference aid for completing this form:

[illegible] Scott, Walter O. and Samuel R. Aldrich, 1970, Modern Soybean Production, The Farmer Quarterly.

[illegible] Norman, A. G., 1963, The Soybean: Genetics, Breeding, Physiology, Nutrition, Management.

[illegible] McKie, J. W., and K. L. Anderson, 1970, The Soybean Book.

[illegible] Nickerson's or any recognized color fan may be used to determine the leaf color of the described [illegible] following Soybean varieties may be used as a guide to identify the colors listed on the form.

COLOR	VARIETY
[illegible] Green	"Ada"
[illegible] Green	"Wilkin"
[illegible] Green	"Swift"

[illegible] The following varieties may be used as a guide to identify the relative size leaves.

SIZE	VARIETY
[illegible]	"Amsoy"
[illegible]	"Bonus"
[illegible]	"Anoka"

[illegible] The following varieties may be used as a guide to identify the plant type.

TYPE	VARIETY
[illegible]	"Vansoy"
[illegible]	"Wirth"
[illegible]	"Adelphia"

13D. Exhibit D:

The variety 'Beeson' most closely resembles 'Buccaneer'. 'Buccaneer' has generally larger leaves, 1.9% more protein, and differs in hila color and degree of resistance to Phytophthora Root Rot. 'Buccaneer' seed size is generally larger than 'Amsoy' or 'Amsoy 71'. The distinguishing characteristics are specific and have been consistent during 3 years of testing.

13E. Exhibit E:

Syler, Incorporated, by this statement, assures the exclusive ownership of the variety 'Buccaneer.'

Snyder
Ex. D
#73010
rec'd

syler inc.

April 17, 1973

Bernard M. Leese,
Acting Commissioner
Plant Variety Protection Office,
Grain Division

U. S. D. A. - AMS
6525 Belcrest Road
Hyattsville, Maryland 20782

Dear Mr. Leese:

Reference application # 73010, Soybean, Buccaneer as per your letter of April 5, 1973 concerning Exhibit D.

Data Indicative of Novelty: As far as I personally know Beeson soybeans most closely resembles Buccaneer. I present the following as distinct differences:

1. Buccaneer has generally larger leaf

2. Buccaneer protein tests indicate approx 42.90 vs Beeson at 41%

3. Laboratory phythphthora root rot tests indicate 86% resistant, 14% susceptible. Beeson tests indicate 100% resistant.

4. Buccaneer hila color is colorless vs imperfect black for Beeson.

5. Buccaneer seed size is generally larger than Amsoy or Amsoy 71.

The distinguishing characteristics are specific and in our three (3) year experience in testing consistently show the differences.

I hope the above will prove to be sufficient information.

Sincerely,
SYLER, INC.

John Gerard,
Mgr. Seed Grain Div.

JG:bbw

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219 936-2191
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WINCHESTER, INDIANA 47394
PHONE 29241