



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Louis Bellatti

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 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.)

SOYBEAN

Seedmakers I-E

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 28th day of September in
the year of our Lord one thousand nine
hundred and seventy three

Attest:

S. J. Rollin

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Earl H. Butz

Secretary of Agriculture

SOYBEAN

'Seedmakers I-E'

13A. Exhibit A:

'Seedmakers I-E' originated from the cross 'Harosoy' (individual plant selection) x 'Bellatti L-263.' In each of seven generations of naturally self-pollinated plants, selections were made for uniform plant type and the seeds from selected plants were bulked.

'Seedmakers I-E' was tested by the University of Illinois at Urbana and Brownstown in 1969, and was evaluated in trials at the Universities of Illinois, Ohio, Indiana, Kansas, and Iowa in 1971. It was previously designated as 'Bellatti-E' during the testing period.

The seed of 'Seedmakers I-E' may contain from 0.1 percent to 0.4 percent other than yellow hila. It was released to certified seed producers for planting in 1971.

13B. Exhibit B:

'Seedmakers I-E' plants grow to a height of approximately 50 inches (127 cm.) under favorable growing conditions. These plants are approximately 5 inches (13 cm.) taller than plants of the varieties 'Beeson' and 'Wayne.' The branches are few and grow close to the main stalk, giving the plants a characteristic upright growth habit. The plants are slender and indeterminate in growth habit.

Leaf nodes are farther apart on 'Seedmakers I-E' than they are on 'Beeson' and 'Wayne.' The leaves have the same color and shape as those of 'Beeson' but are slightly larger.

As many as seven pods appear at a flowering node and most pods contain three seeds. Pods are borne profusely on the terminal 10 inches off the main stem.

Seeds at harvest time develop extremely hard seed coats. They are similar in size and shape to 'Corsoy' but differ from 'Corsoy' in seed coat luster.

'Seedmakers I-E' is not like its parents.

13C. Exhibit C:

Seed shape : Spherical flattened
Seed color : Medium yellow
Seed luster : Shiny
Seed size : 17 G/100 seeds
Hilum color : Medium yellow
Cotyledon color : Green
Protein content : 38.6 percent (Wayne 41.0%)
Oil content : 18.3 percent (Wayne 21.6%)
Leaflet size : Small
Leaflet shape : Ovate
Leaflet color : Medium green
Flower color : Purple
Pod color : Tan
Pod set : Scattered
Plant pubescence
color : Medium gray
Plant habit : Slender and indeterminate
Hypocotyl color : Purple
No. days to
flowering : 55
Maturity group : III
Lodging score : 2.5
Height : 122 cm. (Wayne 112)
Disease : Resistant to downy mildew and brown
stem rot

13D. Exhibit D:

'Seedmakers I-E' does not resemble either of its parents 'Harosoy' or 'Bellatti L-263.' It is similar to the variety 'Corsoy' in seed size and shape but differs from 'Corsoy' in seed coat luster. It has leaves similar to those of 'Beeson' in color and shape but the leaves are slightly larger than those of 'Beeson.'

13E. Exhibit E:

Louis Bellatti is the sole owner of the 'Seedmakers I-E' soybean variety.

OBJECTIVE DESCRIPTION OF VARIETY
SOYBEAN (GLYCINE MAX)

INSTRUCTIONS: See Reverse.

| | |
|--|---|
| NAME OF APPLICANT(S) Louis Bellatti | FOR OFFICIAL USE ONLY |
| ADDRESS (Street and No., or R.F.D. No.; City, State, and ZIP Code) Mt. Pulaski, Ill., R.R.#1/62548 -217-792-5326 | PVPO NUMBER 72078 |
| | VARIETY NAME OR TEMPORARY DESIGNATION Now SEEDMAKERS I-E Bellatti-E |

Place the appropriate number that describes the varietal character of this variety in the boxes below.

1. SEED SHAPE:

1 = SPHERICAL 2 = SPHERICAL FLATTENED 3 = ELONGATE 4 = OTHER (Specify)

2. SEED COAT COLOR:

1 = YELLOW 2 = GREEN 3 = BROWN 4 = BLACK 5 = OTHER (Specify)

SHADE: 1 = LIGHT 2 = MEDIUM 3 = DARK

3. SEED COAT LUSTER:

1 = DULL 2 = SHINY

4. SEED SIZE

17 GRAMS PER 100 SEEDS **AVERAGE 2700 TO LB.**

5. HILUM COLOR:

1 = BUFF 2 = YELLOW 3 = BROWN 4 = GRAY 5 = IMPERFECT BLACK 6 = BLACK 7 = OTHER (Specify)

SHADE: 1 = LIGHT 2 = MEDIUM 3 = DARK

6. COTYLEDON COLOR:

1 = YELLOW 2 = GREEN

7. LEAFLET SIZE (See Reverse):

1 = SMALL 2 = MEDIUM 3 = LARGE

8. LEAFLET SHAPE:

1 = OVATE 2 = OBLONG 3 = LANCEOLATE 4 = ELLIPTICAL 5 = OTHER (Specify)

9. LEAF COLOR (See reverse):

1 = LIGHT GREEN 2 = MEDIUM GREEN 3 = DARK GREEN

10. FLOWER COLOR:

1 = WHITE 2 = PURPLE 3 = OTHER (Specify)

11. POD COLOR:

1 = TAN 2 = BROWN 3 = BLACK

12. POD SET:

1 = SCATTERED 2 = CONCENTRATED

13. PLANT PUBESCENCE COLOR:

1 = GRAY 2 = BROWN 3 = OTHER (Specify)

SHADE:

1 = LIGHT 2 = MEDIUM 3 = DARK

14. PLANT TYPES (See Reverse):

1 = SLENDER 2 = BUSHY 3 = INTERMEDIATE

15. PLANT HABIT:

1 = DETERMINATE 2 = INDETERMINATE 3 = OTHER (Specify)

16. HYPOCOTYL COLOR:

1 = GREEN 2 = PURPLE

17. SEED PROTEIN:

1 = A 2 = B

18. NUMBER OF DAYS TO FLOWERING

(Place a zero in first box (e.g. 0 9) when days are 9 or less.)

55

19. MATURITY GROUP:

1 = 00 2 = 0 3 = I 4 = II 5 = III
 6 = IV 7 = V 8 = VI 9 = VII 10 = VIII

20. SIZE OF 10 DAY OLD SEEDLING GROWN UNDER CONSTANT LIGHT (Growth Chamber) AT 25° C. (Place a zero in first box (e.g. 0 2) when size is 9 mm. or less.)

MM. LENGTH OF SEEDLING MM. LENGTH OF COTYLEDON MM. WIDTH OF COTYLEDON

21. DISEASE: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

| | | | | | |
|--|---------------------------------------|--|--|--|-------------------------------------|
| <input type="checkbox"/> BACTERIAL PUSTULE | <input type="checkbox"/> SOYBEAN CYST | <input checked="" type="checkbox"/> 2 DOWNY MILDEW | <input type="checkbox"/> PURPLE STAIN | <input type="checkbox"/> POD AND STEM BLIGHT | <input type="checkbox"/> ROOT KNOT |
| <input type="checkbox"/> FROGEYE | <input type="checkbox"/> STEM CANKER | <input type="checkbox"/> PHYTO-PHTHORA | <input checked="" type="checkbox"/> 2 BROWN STEM ROT | <input type="checkbox"/> TARGET SPOT | <input type="checkbox"/> BROWN SPOT |
| <input type="checkbox"/> BUD BLIGHT | <input type="checkbox"/> WILDFIRE | <input type="checkbox"/> RHIZOCTONIA ROT | <input type="checkbox"/> OTHER (Specify) | | |

Exhibit A

Origin and Breeding History

'Bellatti-E' originated from the following natural cross: 'Harosoy' (individual plant selection) x 'Bellatti L-263.' Seeds from plants of the F₁ progeny were bulked. In each of 7 generations of naturally self pollinated plants, selections were made for uniform plant type and the seeds from selected plants were bulked.

'Bellatti-E' was tested by the University of Illinois at Urbana and Brownstown in 1969, by Mr. Marion Rudolph at Boonsville, Indiana, in 1970, by Dr. Rutherford at Peoria, Illinois, for 3 years, and by the originator Mr. Bellatti for 3 years. It was evaluated in trials at the Universities of Illinois, Ohio, Indiana, Kansas, and Iowa in 1971.

Designated as 'Seedmakers I-E' this variety was released to certified seed producers for planting in 1971.

The seed may contain from 0.1% to 0.4% other than yellow hila. These may include brown, buff, gray, and black hilum.

Signed Louis Bellatti

Exhibit B

Botanical Description

'Seedmakers I-E' ('Bellatti E') plants grow to a height of approximately 50 inches (127 cm.) under favorable growing conditions. These plants are approximately 5 inches (13 cm.) taller than plants of the varieties 'Beeson' and 'Wayne.' The branches are few and grow close to the main stalk, giving the plants a characteristic upright growth habit. The plants are slender and are indeterminate in growth habit.

Leaf nodes are farther apart on 'Seedmakers I-E' than they are on 'Beeson' and 'Wayne.'

The leaves have the same color and shape as those of 'Beeson' but are slightly larger.

As many as 7 pods appear at a flowering node and most pods contain 3 seeds. Pods are borne profusely on the terminal 10 inches of the main stem and are ~~brown~~ in color.

* *tan*

Seeds at harvest time develop extremely hard seed coats. They are characterized by a yellow seed coat, shiny lustre, yellow hilum color, and green cotyledon color. The seeds are similar in size and shape to 'Corsoy' but differ from 'Corsoy' in seed coat lustre.

'Seedmakers I-E' is not like its parents. The plants are resistant to the diseases Downy Mildew and Brown Stem Rot.

Signed *Louis Bellatti*

Pod color is amended to tan, based on telephone conversation with Mr. Bellatti, the applicant on September, 21, 1973

[Signature]

Exhibit D

Data Indicative of Novelty

'Seedmakers I-E' ('Bellatti E') does not resemble either of its parents 'Harosoy' x 'Bellatti L-263'. It is similar to the variety 'Corsoy' in seed size and shape but differs from 'Corsoy' in seed coat lustre. It has leaves similar to those of 'Beeson' in color and shape but are slightly larger.

Plant habit is unique because of the slender upright growth even though the growth habit is indeterminate. The heavy clustering of pods at nodes, especially on the last 10 inches of the main stem and the large percentage of 3-seeded pods will differentiate it from most varieties.

Many varieties are not resistant to both Downy Mildew and Brown Stem Rot as is 'Seedmakers I-E.'

Signed Louis Bellatti

Exhibit E

Ownership

Louis Bellatti, is the sole owner of the " Seedmakers I-E " soybean variety. " Seedmakers I-E " previously known as Bellatti- E was developed by Mr. Louis Bellatti. Seedmakers, Incorporated has a 5 years contract with Mr. Bellatti which pays royalty on seed sold. The contract expires May 1, 1975. My intention are dropping the contract on May 1, 1975, and sell " Seedmaker's I-E " myself.

Signed Louis Bellatti

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

| | | | | | |
|--|--|--|--|--|--|
| 1. VARIETY NAME OR TEMPORARY DESIGNATION SEEDMAKERS I-E | | 2. KIND NAME SOYBEAN | | FOR OFFICIAL USE ONLY | |
| 3. GENUS AND SPECIES NAME GLYCINE MAX (L.) MERRIL | | 4. FAMILY NAME (Botanical) LEGUMINOSAE GLYCINE MAX | | PV NUMBER 72082 | |
| 5. DATE OF DETERMINATION F2 — 1966 | | FILING DATE 1-25-72 | | TIME 1:30 P.M. | |
| 6. NAME OF APPLICANT(S) LOUIS BELLATTI | | 7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) MT. PULASKI, ILL R.1. 62548 | | FEE RECEIVED \$ 250.00 \$ 250.00 \$ 250.00 | |
| 9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) | | 10. STATE OF INCORPORATION | | BALANCE DUE \$ — \$ — \$ — | |
| | | | | 8. TELEPHONE AREA CODE AND NUMBER 217- 7925326 | |
| | | | | 11. DATE OF INCORPORATION | |

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

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, Botanical Description of the Variety
- 13C. Exhibit C, Objective Description of the Variety
- 13D. Exhibit D, Data Indicative of Novelty
- 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 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

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.

May 28 - 1973
(DATE)

Louis Bellatti
(SIGNATURE OF APPLICANT)

(DATE)

(SIGNATURE OF APPLICANT)

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, 6525 Belcrest Road, Hyattsville, Maryland 20782. (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 Insert the date the applicant determined that he had a new variety based on the definition in Section 41 (a) of the ~~Act and decision is made to increase the seed.~~
- 13a 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. Fourth, provide evidence on stability.
- 13b 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.
- 13c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.
- 13d Provide complete data indicative of novelty. Seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty may be submitted. Seeds submitted may be sterile.
- 13e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

| CHARACTER | NAME OF VARIETY | CHARACTER | NAME OF VARIETY |
|--------------|-----------------|-----------------------|-----------------|
| Plant shape | | Petiole angle | |
| Leaf shape | BEE SON | Seed size | CORSOY |
| Leaf color | BEE SON | Seed shape | CORSOY |
| Leaf surface | | Seedling pigmentation | |

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY:

| 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 | | |
| SEEDMAKER 1-E | | | | | | | | | |
| Submitted | 5-15/10-4 | 2.5 | ¹²² 48 | | | 32.6 | 18.3% | | |
| Name of similar variety | | | | | | | | | |
| WAYNE | 5-15/10-4 | 2.1 | 44 | | | 41. | 21.6 | | |
| BEE SON | 5-15/9-28 | 2.0 | 43 | | | | | | |

THE WAYNE TEST ON OIL AND PROTEIN WAS A UNIVERSITY FIGURE
 SWIFT CO. GIVE ME TEST AVERAGE OF ALL VARIETIES - WAS 37.2 - 18.95
 INSTRUCTIONS SEE PMAKER THE SAME YEAR 38.6 - 18.3

GENERAL: The following publications may be used as a reference aid for completing this form:

1. Scott, Walter O. and Samuel R. Aldrich, 1970, Modern Soybean Production, The Farmer Quarterly.
2. Norman, A. G., 1963, The Soybean: Genetics, Breeding, Physiology, Nutrition, Management.
3. McKie, J. W., and K. L. Anderson, 1970, The Soybean Book.

LEAF COLOR: Nickerson's or any recognized color fan may be used to determine the leaf color of the described variety. The following Soybean varieties may be used as a guide to identify the colors listed on the form.

| COLOR | VARIETY |
|--------------|----------|
| Light Green | "Ada" |
| Medium Green | "Wilkin" |
| Dark Green | "Swift" |

LEAF SIZE: The following varieties may be used as a guide to identify the relative size leaves.

| SIZE | VARIETY |
|--------|---------|
| Small | "Amsoy" |
| Medium | "Bonus" |
| Large | "Anoka" |

PLANT TYPE: The following varieties may be used as a guide to identify the plant type.

| TYPE | VARIETY |
|--------------|------------|
| Slender | "Vansoy" |
| Intermediate | "Wirth" |
| Bushy | "Adelphia" |