

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Pillsbury - Green Giant

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 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 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.)

PEA

'260'

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 19th day of August in the year of our Lord one thousand nine hundred and eighty-two.

Attest:

Kenneth H. Egan
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 260		1b. VARIETY NAME 260		FOR OFFICIAL USE ONLY PV NUMBER 8100002	
2. KIND NAME Pea		3. GENUS AND SPECIES NAME Pisum Sativum		FILING DATE 10/17/80	TIME A.M. 2:00 P.M.
4. FAMILY NAME (BOTANICAL) Leguminosae		5. DATE OF DETERMINATION August, 1977		FEE RECEIVED \$ 500.00	DATE 10/17/80
6. NAME OF APPLICANT(S) Green Giant Company		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) Ag Research Dept. Le Sueur, MN 56058		\$ 250.00	6/8/82
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Corporation		10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION Delaware		8. TELEPHONE AREA CODE AND NUMBER 612-665-3515	
12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS: T. P. Reiling Green Giant Company Le Sueur, MN 56058					

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.

10-9-80
 (DATE)

T. P. Reiling Green Giant
 (SIGNATURE OF APPLICANT)

10/9/80
 (DATE)

James A. Burt
 Director, Agr Res
 (SIGNATURE OF APPLICANT)

Variety 260

8100002

13A - Exhibit A

Genealogy

(Dot^{1/} x 394^{2/}) X (394 x B105-10^{3/})
↓
F₇SP X Freezer 26^{4/}
↓
260

Variety Source:

- 1) Dot - Rogers Brothers Seed Company
- 2) 394 - Green Giant Variety
- 3) B105-10 - Oregon State University Release
- 4) Freezer 26 - Pureline Seed Company

'260' 13A (3): no variants presently exist within 260.

'260' 13A (4): evidence of uniformity is confirmed through six generations of increase and an equal number of trial and row comparisons. No comparative numbers are available but could be obtained in the summer of 1981 if necessary.

Amended by photocopy
-JEF 820609

Exhibit b - revised

"260" differs from Juneau. A similar smooth seeded variety. The following differences were present when grown in a 16 hour day at 55° F.-65° F. night day temperatures. "260" is two days later to 50% bloom and 0.7 node later to 1st bloom; eight and one-half inches shorter in total height; four and six-tenths inches shorter in height to first bloom. The following table gives the differences.

	<u>Juneau</u>	<u>260</u>
Days to 50% bloom	29	31
Nodes to 1st bloom	8.5	9.2*
Height to 1st bloom (in.)	18.2	13.6*
Total height (in.)	28.0	19.5**
Average seed/pod	6.8	6.2 N.S. <u>1/</u>
Pods/node	1.0	1.3 N.S.
Average seed/100 gms.	556	550

* Significant at .05 and, ** at .01 level.

1/ Difference was significant only with 265 in average seed per pod.

The above comparison contained six replications (pots) with four plants per pot. A growth chamber was utilized because of greater precision and repeatability for comparative purposes.

TPReiling:car
3/18/82

"260" is most similar to Juneau; however, 260 is shorter and more determinate (71.1 vs. 49.5 cm) than Juneau.

Amended by photocopy - JEF
820609

8. PODS:

1 Shape: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED 2 End: 1 = POINTED (Alderman) 2 = BLUNT (Alaska)
 3 Color: 1 = LIGHT GREEN (Alaska WR) 2 = MEDIUM GREEN 3 = DARK GREEN (Alderman) 4 = OTHER (Specify) _____
 1 Surface: 1 = SMOOTH 2 = ROUGH 2 Surface: 1 = SHINY 2 = DULL
 3 Borne: 1 = SINGLE 2 = DOUBLE 3 = SINGLE AND DOUBLE 4 = SINGLE, DOUBLE, & TRIPEE
 5 = DOUBLE & TRIPLE 6 = TRIPLE 7 = OTHER (Specify) _____
 6 0 CM. LENGTH 1 4 MM. WIDTH (Between sutures) 8 0 NO. SEEDS PER POD

9. SEEDS (95-100 Tenderometer):

Color: 1 = LIGHT GREEN 2 = GREEN 3 = DARK GREEN 4 = OTHER (Specify) _____
 Seive: % 1 2 3 4 5 6 7 8 AVERAGE
 2 2 4 2 3 2 4 4 5 6 7 8 9

SEEDS (Dry, Mature):

4 Shape: 1 = FLATTENED 2 = ANGULAR 3 = OVAL 4 = ROUNDED
 2 Surface: 1 = SMOOTH 2 = DIMPLED 3 = WRINKLED 2 Surface: 1 = SHINY 2 = DULL
 1 Color Pattern: 1 = MONOCOLOR 2 = MOTTLED 3 = STRIPED 4 = DOTTED
 4 Primary Color: 1 = CREAMY-WHITE 2 = CREAM & GREEN 3 = LIGHT GREEN 4 = MEDIUM GREEN
 5 = DARK GREEN 6 = BLUE-GREEN 7 = YELLOW 8 = BROWN 9 = RED
 3 Secondary Color: 10 = GRAY 11 = BLACK
 2 Hilum Floor Color: 1 = WHITE 2 = TAN 3 = BLACK 1 Cotyledon Color: 1 = GREEN 2 = YELLOW 3 = ORANGE
 1 6 GRAMS PER 100 SEEDS

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

2 FUSARIUM WILT 1* NEAR-WILT 0 DOWNY MILDEW
 0 ASCOCHYTA BLIGHT 1 POWDERY MILDEW 1 BACTERIAL BLIGHT
 0 MOSAIC 0 PEA ENATION MOSAIC 0 YELLOW BEAN MOSAIC
 OTHER (Specify) * More tolerant to near wilt than susceptible.

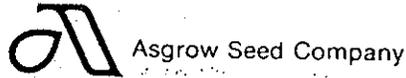
11. INSECT: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

0 APHIDS 0 OTHER (Specify) _____

12. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Leafiness	All Sweet	Fresh Seed Color	Wando
Leaf Color	Wando	Mature Seed Color	Wando
Pod Color	Wando	Seed Shape	Alaska WR
Pod Shape	Wando	Plant Habit	None Known

COMMENTS:



81-2

July 22, 1982

Mr. Kenneth H. Evans, Acting Commissioner
Plant Variety Protection Office
National Agricultural Library Building
Beltsville, Maryland 20705

Pea - '260'
\$5 paid

Dear Mr. Evans:

This letter is a follow up of our recent telephone conversation.

Asgrow would like to obtain photocopies of selected PVP applications for those varieties for which protection is granted. We are interested in receiving applications for the following crops:

- | | | |
|-------------|-------------|-----------|
| Garden Bean | Watermelon | Pepper |
| Dry Bean | Broccoli | Corn |
| Lettuce | Cabbage | Cucumber |
| Onion | Carrot | Eggplant |
| Parsley | Cauliflower | Muskmelon |
| Tomato | Pea | Squash |
| | | Soybean |

We are interested in applications approved in 1980, 1981 and those granted thus far in 1982.

Exclude the following copies:

1. Do not send photocopies of any Asgrow applications.
2. Do not send a photocopy of the actual certificate.
3. Do not send photocopies of applications issued in 1981 for soybeans and dry beans. Your office has sent these already.

Could you please advise me the cost of the above information and I will send you a check.

For the future, we would be interested in receiving copies of applications for the above species. Again, exclude Asgrow applications and the actual certificate itself. Could you arrange to have this done routinely, perhaps each month or each quarter, and we would reimburse your office.

Very truly yours,

John A. Batcha

NOTE: In regards to this request made by your Company, the following attached list of Issued Certificates have been photocopied for you. Upon receipt of your check for \$1,363 the photocopies will be mailed to you. Your patience is appreciated in the delay, caused by the reduced PVP staff and the magnitude of this order. Thank you.

Secretary
PVP Office
Jan. 19, 1983



United States
Department of
Agriculture

Agricultural
Marketing
Service

Livestock, Meat,
Grain, and
Seed Division

National Agricultural
Library Building
Beltsville, MD. 20705

December 3, 1982

SUBJECT: ^{056 001 03} Seed Sample of Protected Variety
Certificate No. 8100002
Kind and Variety -- Pea and '260'
Breeder -- Green Giant Company

TO : National Seed Storage Laboratory
Fort Collins, CO 80521

Attached is the above-identified sample and an Objective Description of Variety form in accordance with our Memorandum of Understanding and as agreed upon during my visit with Dr. Louis Bass on June 12, 1972.

One copy of this duplicate form showing the result of your germination test on 100 seeds of pure seed of this sample should be returned to this Office. Return of the duplicate form will serve as acknowledgement of receipt of the sample.

Germination: 96 % Date: 4/83

Sincerely,

Kenneth H. Evans

Kenneth H. Evans
Acting Commissioner
Plant Variety Protection Office
(TEL. 301/344-2518)

R/S 6/24/83

Attachment

In duplicate



The Agricultural Marketing Service
is an agency of the
United States Department of Agriculture

PS-1168

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