No. 7600013

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Canners Seed Corporation

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, R IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT IETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT AT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEA

'#7025 Early Sweet'

PLANT VARIETY PROTECTION OFFICE · UNITED STATES DEPARTMENT OF AGRICULTURE

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* 29th *day of* October *in the year of our Lord one thousand nine hundred and* seventy-six

Attest:

S. Rollen

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

John A. Knebel

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-R5712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

1. VARIETY NAME OR TEMPORARY DESIGNATION	2. KIND NAME	FOR OFFICIAL USE ONLY	
#7025 Early Sweet	Processing pea variety for canning	PV NUMBER 7600013	
3. GENUS AND SPECIES NAME	4. FAMILY NAME *(Botanical)*	FILING DATE 11.10.75	TIME 12:30 P.M.
Pisum sativum L.	Leguminosae	FEE RECEIVED $ 250	BALANCE DUE $ —
	5. DATE OF DETERMINATION Oct. 1, 1964	$ 250	$ —
		$ 250	$ —

6. NAME OF APPLICANT(S)	7. ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*	8. TELEPHONE AREA CODE AND NUMBER
Canners Seed Corporation	P. O. Box 512 Lewisville, Idaho 83431	Code 208 754-4519

9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: *(Corporation, partnership, association, etc.)*	10. STATE OF INCORPORATION	11. DATE OF INCORPORATION
Corporation	Delaware	2/14/1936

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

Paul H. Deniger, President
Canners Seed Corporation
P. O. Box 1874
Idaho Falls, Idaho 83401

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 [ ] NO N.A.

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

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

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.

Oct 30, 1975
(DATE)

Paul H. Deniger, Pres.
(SIGNATURE OF APPLICANT)

(DATE)

(SIGNATURE OF APPLICANT)

EXHIBIT A

ORIGIN AND BREEDING HISTORY

#7025 Early Sweet

Cross made in 1955 between Albred, a commercial Alsweet-type pea, and a small-seeded off-type drawn from a commercial Alsweet lot. Selection made in 1960 from the 5th generation of the cross because of the high degree of root rot tolerance and excellent productivity of the stabilizing cross. Variety determined to be uniform and free of apparent variants by 1964.

EXHIBIT B

BOTANICAL DESCRIPTION OF THE VARIETY

#7025 Early Sweet

Plant and seed type generally consistent with the Alsweet-type processing pea. Seed is small and wrinkled with green cotyledons. Vine is light green, comparatively robust, and grows to 28 inches with variance depending upon growing conditions. Flowers are white. Pods are predominantly single, 2 3/4 inches long, and light green with blunt apices. Productivity and Fusarium root rot tolerance generally higher than most Early Sweet strains.

See addendum HF 6.11.76

ADDENDUM TO EXHIBIT B

#7025 EARLY SWEET

In addition to the variety Albred has semi-to full zig-zag internodes where #7025 Early Sweet has straight internode charactoristics. #7025 Early Sweet has resistance to Root Rots where Albred hasn't Root Rot resistance.

FORM APPROVED. OMB NO. 40-R3712

FORM GR-470-14
(5-15-74)

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

EXHIBIT C
(Pea)

OBJECTIVE DESCRIPTION OF VARIETY

PEA *(PISUM SATIVUM)*

NAME OF APPLICANT(S)
Canners Seed Corporation

ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*
P. O. Box 512
Lewisville, Idaho 83431

VARIETY NAME OR TEMPORARY DESIGNATION
#7025 Early Sweet

FOR OFFICIAL USE ONLY
PVPO NUMBER 7600013

Place the appropriate number that describes the varietal character in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. TYPE:

[1] 1 = GARDEN 2 = FIELD 3 = EDIBLE-PODDED

2. MATURITY:

[10] Node number of first bloom: [0][5][7] No. of days to processing [1][1][9][0] Heat Units

[0][6] No. of days *Earlier* than . . . [3] 1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL

[0][0] No. of days *Later* than . . . . [1] 4 = WANDO 5 = ALDERMAN WR 6 = AUSTRIAN WINTER

3. PLANT HEIGHT:

[0][7][1] CM. HIGH

[0][5] Cm. *Shorter* than . . . . . [2] 1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL

[2][5] Cm. *Taller* than . . . . . [3] 4 = WANDO 5 = ALDERMAN WR 6 = AUSTRIAN WINTER

4. VINE:

[1] Habit: 1 = DETERMINATE 2 = INDETERMINATE [1] Stockiness: 1 = SLIM (Alaska) 2 = MEDIUM (Thomas Laxton WR) 3 = HEAVY (Alderman)

[1] Branching: 1 = NONE (Alaska) 2 - 1–2 BRANCHES (Little Marvel) 3 = MORE THAN 2 BRANCHES (Dwarf Gray Sugar

[1] Internodes: 1 = STRAIGHT 2 = ZIG ZAG [1][5] NUMBER OF NODES

5. LEAFLETS:

[1] Color: 1 = LIGHT GREEN (Alaska WR) 2 = MED. GREEN (Thomas Laxton WR) 3 = DARK GREEN (Alderman) 4 = OTHER (Specify)

[3] Wax: 1 = NONE 2 = LIGHT 3 = MEDIUM 4 = HEAVY [2] 1 = NOT MARBLED 2 = MARBLED (Alaska)

[4] Number of leaflet pairs: 1 = NOT PAIRED 2 = ONE 3 = TWO 4 = THREE OR MORE

6. STIPULES:

[2] 1 = LACKING 2 = PRESENT [1] 1 = NOT CLASPING 2 = CLASPING

[2] 1 = NOT MARBLED 2 = MARBLED [3] Size (Compared with leaflets): 1 = SMALLER 2 = SAME 3 = LARGER

[2] Color (Compared with leaflets): 1 = LIGHTER 2 = SAME 3 = DARKER

5

7. FLOWER COLOR:

[1] VENATION [1] STANDARD [1] WING [1] KEEL } 1 = WHITE 2 = GREENISH 3 = LAVENDER 4 = PURPLE 5 = RED 6 = OTHER (Specify) _____

EXHIBIT D

DATA INDICATIVE OF NOVELTY
#7025 EARLY SWEET

#7025 Early Sweet is of the general Alsweet pea type, and most closely resembles Albred, a standard commercial canning line. The two lines differ, however, in their reaction to Fusarium root rots as evidenced by their respective seeds per pod and pods per plant.

The enclosed data was collected over two years of testing in soil heavily infested with root rots (Fusarium spp.) at the Canners Seed Corporation testing grounds at Lewisville, Idaho. This data shows that #7025 averaged .69 more peas per pod and .41 more pods per plant than Albred. These differences were significant at the .01 (99%) level of confidence as measured by the Mann-Whitney U Test.

In addition, #7025 Early Sweet exhibits measurably more robust growth than Albred. This vigor is characterized by a respective 71 vs 68 cm difference in plant height."

ADDENDUM TO EXHIBIT D
#7025 Early Sweet

COMPARATIVE PRODUCTIVITY TESTING
#7025 E.S. vs Albred
1974 - 1975

YEAR	SAMPLE	AVERAGE PEAS/POD #7025 E.S.	AVERAGE PEAS/POD ALBRED	AVERAGE PODS/PLANT #7025 E.S.	AVERAGE PODS/PLANT ALBRED
1974	1	4.85	3.43	1.4	1.4
	2	3.33	3.57	1.8	1.4
	3	4.30	4.00	2.0	1.0
	4	3.72	3.38	2.2	1.6
	5	3.23	2.83	2.6	2.4
	6	3.38	3.50	2.6	1.6
1975	1	4.36	2.80	2.2	1.0
	2	4.09	4.00	2.2	1.2
	3	3.56	3.43	1.8	1.4
	4	4.00	2.60	1.4	2.0
	5	3.50	2.57	2.0	1.4
	6	5.00	2.89	1.0	1.8
	MEANS	3.94	3.25	1,93	1.52

EXHIBIT E

STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP

Canners Seed Corporation, Lewisville, Idaho, is the sole, original and first breeder of the #7025 Early Sweet variety of processing peas for which it solicits a certificate of protection.

January 29, 1996

Mr. Hank Mende
Nunhems Seed Corporation
PO Box 18
221 E. Main Street
Lewisville ID 83431

Dear Mr. Mende:

SUBJECT: **Withdrawing Plant Variety Protection for Certificates No:**
7800060, PEA, '#9889 Freezer'
7800061, PEA, '#9901 Canner'
8000064, PEA, '8615 Early Perfection'
8000065, PEA, '9021 Early Perfection'
8900223, PEA, 'Boomer'
8900224, PEA, 'Booster'
8900225, PEA, 'Prairie'

In response to your letter of December 12, 1995, we are declaring the above certificates voluntarily withdrawn as of December 28, 1995. A notice that these certificates are no longer protected under the Plant Variety Protection Act will be published in the Plant Variety Protection Official Journal. **These certificates must be returned to our office.**

The remainder of the certificates listed in your letter have already expired, therefore, they do not need to be withdrawn or returned to our office. They are PV Numbers: 7500090; 7500104; 7600013; 7600015; and 7600016.

If you do not wish to voluntarily withdrawal these varieties, please notify us within 30 days from the date of this letter.

Sincerely,

Marsha A. Stanton, Commissioner
Plant Variety Protection Office
Telephone: (301) 504-5518
Facsimile: (301) 504-5291

MAS/mrm/sep

nunhems

Nunhems Seed Corporation
P.O. Box 18
221 E. Main St.
Lewisville, ID 83431
Phone: 208-754-8666
Fax: 208-754-8669

12 December, 1995

Plant Variety Protection Office
NAL Building Room 500
10301 Baltimore Blvd.
Beltsville, MD 20705-2351

Attention: Marsha Stanton, Ph D

Dear Dr. Stanton:

Please be advised that Nunhems Seed Corporation will be liquidated effective 31 December, 1995.

This being the case; we wish to transfer the follwing PVP registrations to our parent company in Holland. The following is the new assignee:

Nunhems Zaden B.V.
P.O. Box 4005
6080AA Haelen
The Netherlands
Attention: Lex Welles

The varieties to be assigned are as follows:

PVP Registration #	Variety	Kind	Year of Expiration
8200169	77 EP	Pea	2001
9300078	Scepter	Pea	2013
9300079	Captain	Pea	2013
8700051	9000 F	Pea	2005
8900230	Applause	Pea	2010
9300076	Point	Pea	2013
8900222	Ava	Pea	2010
9400082 (Pending)	Targhee	Pea	
7800059	9888 F	Pea	1996
9100213	Modus	Bean	2010
9100212	Fesca	Bean	2010

'95 DEC 28 A9:33
RECEIVED
USDA-AMS-PVPO

Our understanding is that the fee for transfer of ownership is $25.00 per variety. Enclosed please find our check in the amount of $275.00.

Please cancel PVP rights on the following registrations effective 31 December, 1995.

8000065, 7600015, 7500104, 7500090, 8000064, 7800060, 7600013, 7600016, 7800061, 8900224, 8900225, 8900223,

Yours truly,

Hank Mende

Hank Mende
Director of Administration

7600013

8. PODS:

[1] Shape: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED

[2] End: 1 = POINTED (Alderman) 2 = BLUNT (Alaska)

[1] Color: 1 = LIGHT GREEN (Alaska WR) 2 = MEDIUM GREEN 3 = DARK GREEN (Alderman) 4 = OTHER (Specify) _____

[1] Surface: 1 = SMOOTH 2 = ROUGH

[1] 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) _____

[0 7] CM. LENGTH

[1 3] MM. WIDTH (Between sutures)

[0 6] NO. SEEDS PER POD

9. SEEDS (95–100 Tenderometer):

[1] Color: 1 = LIGHT GREEN 2 = GREEN 3 = DARK GREEN 4 = OTHER (Specify) _____

Seive: %	1	2	3	4	5	6	7	8	AVERAGE
	0 2	1 1	2 5	4 6	1 6				3 6 3

SEEDS (Dry, Mature):

[2] Shape: 1 = FLATTENED 2 = ANGULAR 3 = OVAL 4 = ROUNDED

[3] Surface: 1 = SMOOTH 2 = DIMPLED 3 = WRINKLED

[2] Surface: 1 = SHINY 2 = DULL

[1] Color Pattern: 1 = MONOCOLOR 2 = MOTTLED 3 = STRIPED 4 = DOTTED

[3] 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

[ ] Secondary Color: 10 = GRAY 11 = BLACK

[1] Hilum Floor Color: 1 = WHITE 2 = TAN 3 = BLACK

[1] Cotyledon Color: 1 = GREEN 2 = YELLOW 3 = ORANG

[1 8] GRAMS PER 100 SEEDS

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

[2] FUSARIUM WILT

[0] NEAR–WILT

[0] DOWNY MILDEW

[0] ASCOCHYTA BLIGHT

[1] POWDERY MILDEW

[1] BACTERIAL BLIGHT

[0] MOSAIC

[0] PEA ENATION MOSAIC

[0] YELLOW BEAN MOSAIC

[2] OTHER (Specify) Fusarium Root Rot

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

[1] APHIDS

[ ] OTHER (Specify) _____

12. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Leafiness	Alsweet	Fresh Seed Color	Alsweet
Leaf Color	Alsweet	Mature Seed Color	Alsweet
Pod Color	Alsweet	Seed Shape	Alsweet
Pod Shape	Alsweet	Plant Habit	Alsweet

COMMENTS: