No. 7500038

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Ardie G. Gustafson, Seedsman

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 EX-LUDE 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 TY 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 OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SP BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEA

'Almota'

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* seventh *day of* September *in the year of our Lord one thousand nine hundred and* seventy-six

Attest:

S. R. Rollin

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Earl L. Butz

Secretary of Agriculture

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

Western Valley Seed Co.

PEA *(PISUM SATIVUM)*

NAME OF APPLICANT(S)

317 D Street P. O. Box 855 Lewiston, Idaho 83501

ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*

VARIETY NAME OR TEMPORARY DESIGNATION
ALMOTA

FOR OFFICIAL USE ONLY

PVPO NUMBER 7500038

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:

[1][4] Node number of first bloom: [ ][7][2] No. of days to processing [1][6][2][0] Heat Units

[ ][6] No. of days *Earlier* than . . . [5] 1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL

[1][2] No. of days *Later* than . . . . [1] 4 = WANDO 5 = ALDERMAN WR 6 = AUSTRIAN WINTER

3. PLANT HEIGHT:

[0][5][0] CM. HIGH

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

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

4. VINE:

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

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

[2] Internodes: 1 = STRAIGHT 2 = ZIG ZAG [1][8] NUMBER OF NODES

5. LEAFLETS:

[3] 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)

[3] 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

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

7. FLOWER COLOR:

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

ASSIGNMENT

WESTERN VALLEY SEED CO., a corporation organized and doing business under the laws of the State of Idaho, with its principal office at 317 D Street, City of Lewiston, County of Nez Perce, State of Idaho, in pursuance of a resolution of the Board of Directors of the corporation passed on December 23, 1975, and in consideration of a surrender of 555 shares of its common stock, the receipt of which is acknowledged, hereby selles, assigns, transfers, and sets over to ARDIE G. GUSTAFSON of 1421 Prospect, City of Lewiston, County of Nez Perce, State of Idaho, all its right, title and interest in and to that certain property described as follows:

All accounts receivable,
Refund of unearned insurance premiums receivable,
Refund of federal and Idaho corporate income taxes receivable,
All right, title and interest in and to that certain agreement dated the 10th day of January, 1975, by and between Western Valley Seed Co., as seller, and Crites Moscow Growers, Inc., as buyer,
All right, title and interest in and to that certain license agreement dated the 10th day of January, 1975, executed by and between Western Valley Seed Co., as seller, and Crites Moscow Growers, Inc., as buyer,
Equitable Life Assurance Society policy No. 61 241 718, insuring the life of Ardie G. Gustafson,
All right, title and interest in and to Plant Variety Protection Act Certificates,
One share of preferred stock of New York Seed Improvement Cooperative, Inc., represented by Certificate No. 21, dated June 29, 1970,
All right, title and interest in and to all assets of Western Valley Seed Co., an Idaho corporation, whether or not enumerated hereinabove.

IN WITNESS WHEREOF, the corporation has executed this assignment

RANDALL, BENGTSON & COX
LAWYERS
FIRST SECURITY BANK BUILDING
LEWISTON, IDAHO 83501

the 23 day of December, 1975.

WESTERN VALLEY SEED CO.

By Ardie G Gustafson
President

ATTEST:

Shernita S Gustafson
Secretary

RANDALL, BENGTSON & COX
LAWYERS
FIRST SECURITY BANK BUILDING
LEWISTON, IDAHO 83501

EXHIBIT " E "

Statement of Applicants Ownership

Western Valley Seed Co., of Lewiston, Idaho believes it is the sole, original and first breeder of Almota variety of pea seed for which it solicits a certificate of protection.

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	2. KIND NAME	FOR OFFICIAL USE ONLY	
Almota	Peas	PV NUMBER 7500038	
3. GENUS AND SPECIES NAME	4. FAMILY NAME *(Botanical)*	FILING DATE 11.19.74	TIME 3 P.M.
Pisum Sativum	Leguminosae	FEE RECEIVED $ 250	BALANCE DUE $ —
	5. DATE OF DETERMINATION	$ 250	$ —
	August 1970	$ 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
~~Western Valley Seed Co.~~ Ardie G. Gustafson, Seedsman AGF 8/31/76	317 D. Street P. O. Box 855 Lewiston, Idaho 83501	208-743-6261

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	Idaho	January 27, 1953

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:
Aride G. Gustafson, ~~President~~
~~Western Valley Seed Co.~~ AGF 8/31/76
P. O. Box 855
Lewiston, Idaho 83501

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.)* [X] YES [ ] NO

14B. Does the applicant(s) specify that this variety be limited as to number of generations? [ ] YES [X] 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.

November 15, 1974
(DATE)

Ardie G. Gustafson
(SIGNATURE OF APPLICANT)

00001

(DATE)

(SIGNATURE OF APPLICANT)

EXHIBIT "A"

Origin and Breeding History of the Variety

1. "Alamota" originated in Idaho in 1970 from a hand pollinated cross between Rogers 1261 as the male parent and Western Valley Seed Co. Freeze-Elite X G 168 X Backcross, Freeze-Elite X G 141 -A-1 as the female parent.

2. The second, third and fourth generations were multiplied in Idaho in greenhouse and outside plot production. Pure line selections were made in the F5 generation at Oregon State University in 1970, Enation and Sreak resistance being established at this time. A portion of this progeny was shipped to New Zealand in the fall of 1972 for a winter increase. Yield and performance tests were conducted by P.G.R.O of England, then U.S.D.A. Research Station in Prosser, Washington, at Findus of Sweden, Unilever Research Laboratory, England, and Cornell University, also six commercial processors. Through this testing it has also been established that this variety is also resistant to Top Yellows, Fusarium wilt and tolerant to Root Rot and Pythium.

3. This variety was satbilized in the fifth generation. No distinct vatiants have been observed in subsuquent generations.

EXHIBIT " B "

Botanical Description of the Variety

1. "Almota" is a perfection type freezer pea. The plants are determinate, double podded, vigorous and maturity is mid-season.

2. This variety has a zigzag internode perfection type vine; determinate rather than indeterminate; semi-stiff straw with a 20 inch plant height. The plant color is deep green, medium heavy, will do some branching. Node color is green, internodes being about one and a half inches. First inflorescence being on the fourteenth node. Leaflets are paired two or more, medium wax, with marbling and dark green. Stipules are marbled, waxed, darker green than the leaflets and non-clasping. Flowers are white with greenish venation and usually born as doubles. This variety has a high ovule count with nine to ten berries per pod. The variety resembles Freez-Elite for deep blue foliage color. The difference being short internodes in the pod zone. Almota is an over-all shorter plant type than Freez-Elite, with a higher ovule count. The variety is resistant to Enation, Streak, Fusarium Wilt, Top Yellows and Powdery Mildew. Almota has Root Rot and Pythium tolerance.

EXHIBIT " D "

Data Indicative of Novelty

Novelty is based on the combination of the following characteristics. "Almota" most closely resembles Freez-Elite; but Almota differs:

(1) Shorter internodes in the pod zone
(2) Higher ovule count
(3) Resistance to Enation, Streak, Fusarium Wilt, Powdery Mildew, Top Yellows and tolerance to Root Rot and Pythium.

RECEIVED NOV 19

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.

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8. PODS:

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

[1] 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

[1] Surface: 1 = SHINY 2 = DULL

[2] 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 7] MM. WIDTH (Between sutures)

[9] NO. SEEDS PER POD

9. SEEDS (95—100 Tenderometer):

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

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

SEEDS (Dry, Mature):

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

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

[1] Surface: 1 = SHINY 2 = DULL

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

[2] 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 8] GRAMS PER 100 SEEDS

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

[2] FUSARIUM WILT

[ ] NEAR—WILT

[ ] DOWNY MILDEW

[ ] ASCOCHYTA BLIGHT

[2] POWDERY MILDEW

[ ] BACTERIAL BLIGHT

[ ] MOSAIC

[2] PEA ENATION MOSAIC

[ ] YELLOW BEAN MOSAIC

[2] OTHER (Specify) Streak - Top Yellows

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

[ ] APHIDS

[ ] OTHER (Specify) _____

12. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Leafiness	Scout	Fresh Seed Color	Freez-Elite
Leaf Color	Freez-Elite	Mature Seed Color	Dark Green Perfection
Pod Color	Freez-Elite	Seed Shape	Freez-Elite
Pod Shape	Freez-Elite	Plant Habit	Scout

COMMENTS: