

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 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 VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. THE 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

'Conner'

*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:

R. J. Rollin

*Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service*

John A. Fisher
Secretary of Agriculture



APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY	1b. VARIETY NAME Conner	FOR OFFICIAL USE ONLY	
		PV NUMBER 7500039	
2. KIND NAME Peas	3. GENUS AND SPECIES NAME Pisum Sativum	FILING DATE 12.9.74	TIME 1 P.M.
		FEE RECEIVED \$ 250.00 \$ 250.00 \$ 250.00	DATE — — —
4. FAMILY NAME (BOTANICAL) Leguminosae	5. DATE OF DETERMINATION January 1972		
6. NAME OF APPLICANT(S) Ardie G. Gustafson	7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) 1421 Prospect Lewiston, Idaho 83501	8. TELEPHONE AREA CODE AND NUMBER (208) 743-6261	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.)		10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION	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, 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

15. Does the applicant(s) agree to the publication of his/her (their) name(s) and address in the Official Journal? YES NO

16. The applicant(s) declare(s) 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) 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.

Oct 6, 1976
(DATE)

Ardie G. Gustafson
(SIGNATURE OF APPLICANT)

1

(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, National Agricultural Library, Beltsville, Maryland 20705. (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 Give the date the applicant determined that he had a new variety based on (1) the definition in Section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 13a Give (1), the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. (2), the details of subsequent stages of selection and multiplication. (3), the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4), evidence of stability.
- 13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties; (1) identify these varieties and state all differences objectively; (2) Attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 13c Fill in the Exhibit C, Objective Description form for all characteristics, for which you have adequate data.
- 13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe; such as; plant habit, plant color, disease resistance, etc.
- 14A If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled or published or the certificate has been issued. However, if the applicant specifies "NO", he may change his choice. (See Section 180.15 of the Regulations and Rules of Practice.)

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1. VARIETY NAME OR TEMPORARY DESIGNATION Conner	2. KIND NAME Peas	FOR OFFICIAL USE ONLY	
		PV NUMBER 7500039	
3. GENUS AND SPECIES NAME Pisum Sativum	4. FAMILY NAME (Botanical) Leguminosae	FILING DATE 12.9.74	TIME 1 P.M.
	5. DATE OF DETERMINATION January 1972	FEE RECEIVED \$ 250.00 \$ 250.00 \$ 250.00	BALANCE DUE \$ — \$ — \$ —
6. NAME OF APPLICANT(S) Ardie G. Gustafson, Seedsman Western Valley Seed Co. yla	7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) 317 D. Street P. O. Box 855 Lewiston, Idaho 83501	8. TELEPHONE AREA CODE AND NUMBER 208-743-6261	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Corporation		10. STATE OF INCORPORATION Idaho	11. DATE OF INCORPORATION January 27, 1953

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

**Ardie G. Gustafson, President
Western Valley Seed Co.
P. O. Box 855
Lewiston, Idaho 83501**

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.

Dec 5, 1974
(DATE)

Ardie G. Gustafson
(SIGNATURE OF APPLICANT)
1

(DATE)

(SIGNATURE OF APPLICANT)

EXHIBIT " A "

Origin and Breeding History of the Variety

1. "Conner" originated in Idaho in 1969 from a hand pollinated cross between Western Valley Seed Co.'s "Valley Perfection" as the male parent and P.I. 206798 as the female parent.
2. Subsequent generations were multiplied in Idaho thru greenhouse and outside plot production. Pure line selections were made in the F5 generation in 1971. In 1972 "Conner" was tested at the Western Washington Research and Experiment Station; where they established the variety was resistant to Race 5 Wilt and also near Wilt Resistant. This same year the variety was tested for disease resistance, vine type and quality at the U.S.D.A. Agricultural Research Station at Prosser, Washington. In the fall of 1972 a portion of the variety was sent to New Zealand for further testing and a winter increase. In 1973 the progeny was sent back to New Zealand for a further increase. This same year "Conner" was tested at Washington State University in Pullman, Washington; also at Northwest Washington Experiment Station, in Mt. Vernon, Washington.
3. This variety was stabilized in the fifth generation. Subsequent generations have not shown variants that would require rouging.

EXHIBIT "B"

Botanical Description of the Variety

1. 'Conner' is a canning variety, perfection type vine, plants determinate, double podded and maturity is Mid-Season.

2. This variety has good seedling vigor with semi-stiff straw, determinate, with a 20 inch plant height. The plant color is medium green, will do some branching, node color is green, internodes being about one and one half inches. First inflorescence being on the sixteenth node. Leaflets are paired two or more, medium wax, with marbling and dark green. Stipules are waxed and darker green than the leaflets and non clasping. Flowers are white with greenish venation and usually born as doubles. The variety resembles Valley Perfection for quality and productivity. The difference being a shorter vine, ~~green cotyledons~~, Race 5 wilt ~~and near wilt~~ resistant, tollerant to Top Yellows.

7/27/76

OBJECTIVE DESCRIPTION OF VARIETY
PEA (PISUM SATIVUM)

Ardie G. Gustafson, Seedsman
4th & D Streets P.O. Box 855
Lewiston, Idaho 83501

and ZIP Code)

VARIETY NAME OR TEMPORARY
DESIGNATION

Conner

FOR OFFICIAL USE ONLY

PVPO NUMBER

7500039

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

1. TYPE:

1 = GARDEN 2 = FIELD 3 = EDIBLE-PODDED

2. MATURITY:

Node number of first bloom: No. of days to processing Heat Units

No. of days Earlier than 1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL

No. of days Later than 4 = WANDO 5 = ALDERMAN WR 6 = AUSTRIAN WINTER

3. PLANT HEIGHT:

CM. HIGH

Cm. Shorter than } 1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL

Cm. Taller than } 4 = WANDO 5 = ALDERMAN WR 6 = AUSTRIAN WINTER

4. VINE:

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

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

Internodes: 1 = STRAIGHT 2 = ZIG ZAG NUMBER OF NODES

5. LEAFLETS:

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

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

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

6. STIPULES:

1 = LACKING 2 = PRESENT 1 = NOT CLASPING 2 = CLASPING

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

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

7. FLOWER COLOR:

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

EXHIBIT " D "

Data Indicative of Novelty

Novelty is based on the combination of the following characteristics:

"Conner" most closely resembles "Valley Perfection", except it has (1) ~~Green-Cotyledons~~ (2) It is resistant to Race 5 Wilt ~~and near Wilt~~ and Tollerent to Top Yellows (3) "Conner" is an average of 8 inches shorter, is more erect, and has a stiffer straw than "Valley Perfection."

7/27
7/27/76

see letter Jan 7, 1976 attached

7500039

ARDIE G. GUSTAFSON

SEEDSMAN



P. O. BOX 855
LEWISTON, IDAHO 83501 U.S.A.

— PHONES —
OFFICE — (208) 743-6261
HOME — (208) 743-7527

January 7, 1976

Mr. S. F. Rollin
Commissioner, Plant Variety
Protection Office
Grain Division
6525 Belcrest Road
Hyattsville, Maryland 20782

Dear Stan:

Re: your letter of December 24, 1975, "Conner" P.V.P.O number 7500039, concerning exhibit D for your data bank in comparing "Conner" & "Valley Perfection", They each have green cotyledon's. "Valley Perfection" is susceptible to Race 5 wilt & Top Yellows and had not been tested for Near wilt.

In exhibit C item 15 for "Conner", in comparing fresh seed color with "Perfection Canner", this variety is synonymous with "Canner Perfection".

Concerning the application for "Prospector" P.V.P.O number 7500040, you may consider for the data bank that as a comparison, W.V. 5C Early Perfection is susceptible to Enation, Streak virus, Powdery mildew, but has not been tested for Pythium Root Rot.

Sincerely,

Ardie G. Gustafson
Ardie G. Gustafson
Seedsman

AGG:em

Enclosures: Exhibit C "Connor" PVPO No. 7500039 & "Prospector" PVPO No. 7500040

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

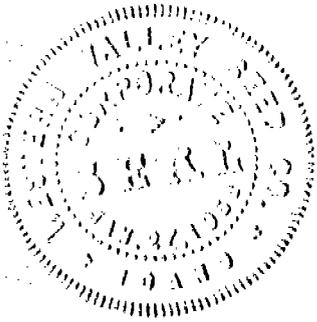
the 23 day of December, 1975.

WESTERN VALLEY SEED CO.

By Ardie G. Gustafson
President

ATTEST:

Henrietta J. Gustafson
Secretary



9

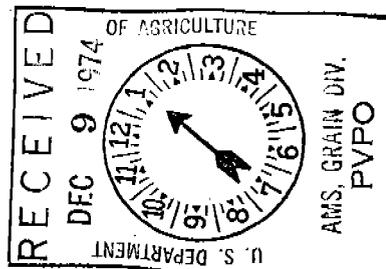
RANDALL, BENGTSO & COX
LAWYERS
FIRST SECURITY BANK BUILDING
LEWISTON, IDAHO 83501

EXHIBIT " E "

Statement of Applicants Ownership

Western Valley Seed Company, Lewiston, Idaho, believes it is the sole, original and first breeder of the "Conner" variety of pea seed for which it solicits a Certificate of Protection.

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.

8. PODS:

1 Shape: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED 2 End: 1 = POINTED (Alderman) 2 = BLUNT (Alaska)
 2 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 8 CM. LENGTH 1 6 MM. WIDTH (Between sutures) 8 NO. SEEDS PER POD

9. SEEDS (95-100 Tenderometer):

1 Color: 1 = LIGHT GREEN 2 = GREEN 3 = DARK GREEN 4 = OTHER (Specify) _____
 Seive: %

1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	AVERAGE
1	1	1	8	2	2	2	7	2	2							3 3 1

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
 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 7 GRAMS PER 100 SEEDS

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

FUSARIUM WILT 2 NEAR-WILT DOWNY MILDEW
 ASCOCHYTA BLIGHT POWDERY MILDEW BACTERIAL BLIGHT
 MOSAIC PEA ENATION MOSAIC YELLOW BEAN MOSAIC
 OTHER (Specify) Resistant to Race 5 wilt Tolerance to 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	Valley Perfection	Fresh Seed Color	Canner Perfection
Leaf Color	Valley Perfection	Mature Seed Color	Little Marvel
Pod Color	Valley Perfection	Seed Shape	Valley Perfection
Pod Shape	Valley Perfection	Plant Habit	Valley Perfection

COMMENTS: