

# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

## Ardie G. Gustafson

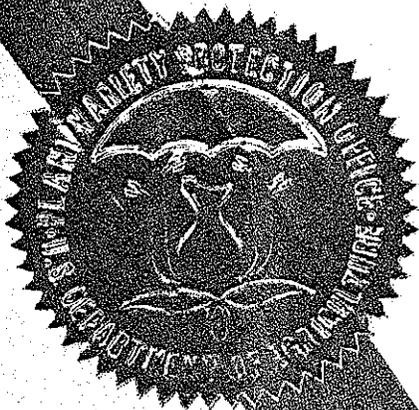
Whereas, THERE HAS BEEN PRESENTED TO THE  
**Secretary of Agriculture**

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, 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 (STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEA

'Bellroy'



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 11th day of June in the year of our Lord one thousand nine hundred and eighty-one.

Attest:

*Lynard L. ...*  
Commissioner  
Plant Variety Protection Office  
Grain Division  
Agricultural Marketing Service

*John R. Block*

Secretary of Agriculture

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY AG 353		1b. VARIETY NAME BELLROY		FOR OFFICIAL USE ONLY PV NUMBER 8000157	
2. KIND NAME Peas		3. GENUS AND SPECIES NAME Pisum Sativum		FILING DATE 9/16/80	TIME 2:30 P.M.
4. FAMILY NAME (BOTANICAL) Liginosae		5. DATE OF DETERMINATION Summer 1974		FEE RECEIVED \$ 500.00	DATE 9/16/80
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 Avenue 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	
12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers: Ardie G. Gustafson 1421 Prospect Avenue Lewiston, Idaho 83501					
13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:					
<input checked="" type="checkbox"/> 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)					
<input checked="" type="checkbox"/> 13B. Exhibit B, Novelty Statement					
<input checked="" type="checkbox"/> 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)					
<input checked="" type="checkbox"/> 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 <input type="checkbox"/> NO <input checked="" type="checkbox"/>					
14B. Does the applicant(s) specify that this variety be limited as to number of generations?			14C. If "Yes," to 14B, how many generations of production beyond breeder seed?		
NEW <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			<input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED		
15. Does the applicant(s) agree to the publication of his/her (their) name(s) and address in the Official Journal? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>					
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.

Sept 12, 1980  
(DATE)

Ardie G. Gustafson  
(SIGNATURE OF APPLICANT)

(DATE)

(SIGNATURE OF APPLICANT)

(DATE)

SEP 1 1980

(SIGNATURE OF APPLICANT)

(DATE)

Mr. D.

(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

YES  NO  FOUNDATION  REGISTERED  CERTIFIED

12b Does the applicant 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.

- 13c Exhibit D: Varieties Description of the Variety
- 13a Give (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- 13b (2) the details of subsequent stages of selection and multiplication;
- 13c (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 necessary to reveal more accurately the description of characteristics that are difficult to describe; such as; plant habit, plant color, disease resistance, etc.

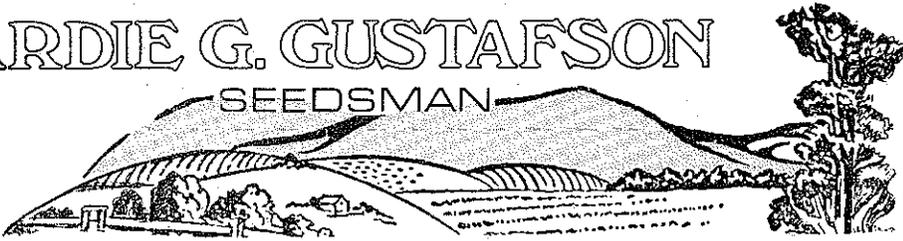
14A If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled or published or the certificate has been issued. However, if the applicant specifies "NO", he may change his choice. (See Section 180.15 of the Regulations and Rules of Practice.)

Origin and Breeding History

1. Bellroy originated in Idaho from a hand pollinated cross between Wisconsin 7101 (Sprite Breeding) and Hustler.
2. The original cross was multiplied for six generations in the greenhouse, Lewiston nursery and Pullman, Washington trials. Then a single plant selection was made, resulting in the cultivar.
3. The variety has been multiplied in New Zealand, as well as in our own plots at Pullman, Washington. It has been tested by Northwest Washington Research & Extension Unit; Processors and Growers Research Organisation, England; Agricultural Institute, Ireland, and Oregon State University, Pendleton, Oregon.
4. Variants consist of plants that are slightly taller and later than Bellroy. The variants are freezer types that are compatible with the main variety. They occur in less than 0.0%. All visible ones have been rogued from the crop. It is impossible to get all of the plants out by roguing.

# ARDIE G. GUSTAFSON SEEDSMAN

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



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

April 2, 1981

Dr. Thaddeus E. Frey,  
Examiner  
United States Dept. of Agriculture  
National Agricultural Library Building  
Plant Variety Protection Office  
Beltsville, Maryland 20705

Dear Dr. Frey:

Following is a statement to be added to Exhibit A of our application for Breeders Rights for the Bellroy variety of peas.  
"The Bellroy variety has been stable and uniform for the last three generations. The stock is ready for commercial production."

Thank you for your telephone call requesting this further information for the Bellroy pea variety.

Please let us know if we can furnish any further information with this application.

Yours very truly,

*Ardie G. Gustafson*  
Ardie G. Gustafson  
Seedsman

AGG/em

V5B 8 1981

3

8000157

EXHIBIT B

Novelty Statement

1. Bellroy most closely resembles Hustler. It is similar in plant type, and has the same dark green colored vine. Bellroy is a day later than Hustler. The variety has the novelty of being resistant to Race 1 Fusarium wilt. Hustler, the variety it most closely resembles is susceptible to Race 1 Fusarium wilt.

SEP 12 1950

UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION  
NATIONAL AGRICULTURAL LIBRARY  
BELTSVILLE, MARYLAND 20705  
**OBJECTIVE DESCRIPTION OF VARIETY**  
PEA (*PISUM SATIVUM*)

Ardie G. Gustafson

NAME OF APPLICANT(S)

1421 Prospect Avenue

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

Lewiston, Idaho 83501

VARIETY NAME OR TEMPORARY DESIGNATION

BELLROY (AG 353F)

FOR OFFICIAL USE ONLY

PVPO NUMBER

8000157

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     1 = NOT MARBLED    2 = MARBLED (Alaska)  
4 = HEAVY

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  
6 = OTHER (Specify)

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  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  6 CM. LENGTH  1  3 MM. WIDTH (Between sutures)  0  5 NO. SEEDS PER POD

9. SEEDS (95-100 Tenderometer):

3 Color: 1 = LIGHT GREEN 2 = GREEN 3 = DARK GREEN 4 = OTHER (Specify) \_\_\_\_\_  
 Seive: %  0  1  0  1  0  3  1  0  2  4  6  1  0  0  0  0  5  3  8 AVERAGE

SEEDS (Dry, Mature):

4 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  
 2 Secondary Color: 10 = GRAY 11 = BLACK  
 2 Hilum Floor Color: 1 = WHITE 2 = TAN 3 = BLACK  21 Cotyledon Color: 1 = GREEN 2 = YELLOW 3 = ORANGE  
 27 816 318  
 2  3 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  2 POWDERY MILDEW  0 BACTERIAL BLIGHT  
 0 MOSAIC  1 PEA ENATION MOSAIC  0 YELLOW BEAN MOSAIC  
 2 OTHER (Specify) Top Yellows

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	Hustler	Fresh Seed Color	Hustler
Leaf Color	Hustler	Mature Seed Color	Hustler
Pod Color	Hustler	Seed Shape	Hustler
Pod Shape	Hustler	Plant Habit	Hustler

COMMENTS:

rec'd

8000157

EXHIBIT D

Additional Description of the Variety

1. Ardie G. Gustafson is the breeder of the Bellroy variety of peas.
2. Bellroy is an early variety of freezer peas. Mostly double pldded.
3. Bellroy's first inflorescence is on the ninth or tenth node. The leaflets and stipules are dark green.
4. The variety most closely resembles Hustler but is resistant to Race 1 Fusarium wilt. Hustler is not resistant to Race 1 Fusarium wilt.