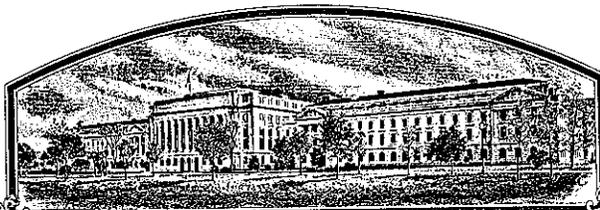


No.

8200180



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Crites - Moscow Growers, Inc.

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 EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT 1942, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEA

'Superscout'

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 27th day of October in the year of our Lord one thousand nine hundred and eighty-three.

Attest:

Kenneth H. ...
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.

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1a. TEMPORARY DESIGNATION OF VARIETY 81-MI-34		1b. VARIETY NAME SUPERSCOOT		FOR OFFICIAL USE ONLY	
				PV NUMBER 8200180	
2. KIND NAME Peas		3. GENUS AND SPECIES NAME Pisum Sativum		FILING DATE 9/10/82	TIME 12:30 P.M.
4. FAMILY NAME (BOTANICAL) Leguminosae		5. DATE OF DETERMINATION July 27, 1981		FEE RECEIVED \$ 500.00	DATE 9/10/82
				\$ 250.00	10/17/83
6. NAME OF APPLICANT(S) Crites-Moscow Growers, Inc.		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) P. O. Box 8912 Moscow, Idaho 83843		8. TELEPHONE AREA CODE AND NUMBER 208 882-5519	
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 Idaho		11. DATE OF INCORPORATION May 10, 1933
12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS: Rex L. Blodgett, Manager Crites-Moscow Growers, Inc. P. O. Box 8912, Moscow, Idaho 83843					

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.

Aug 31, 1982
 (DATE)

Rex L. Blodgett
 (SIGNATURE OF APPLICANT)

INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, 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 uniformity and 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, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- 15a See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.



ORIGIN AND BREEDING HISTORY OF THE VARIETY

1. "SUPERScout" was originated in Washington during the fall of 1978 from a hand pollinated cross resulting from a backcross⁴ program using Scout as the female parent and Wisconsin 7105 as the male parent. The cross was performed by Dr. Fred Muehlbauer of the U.S.D.A. The purpose of the backcross was to develop a Pea Seedborne Mosaic Virus resistant Scout type. The germ plasm was released by the U.S.D.A.-A.R.S. under the direction of Dr. Fred Muehlbauer under the number X78122. The germplasm was considered segregating for phenotypic characters other than Scout color and Seedborne Mosaic virus immunity.
2. In 1980 nineteen seeds were given to Ardie Gustafson, the original breeder of Scout, by Dr. Fred Muehlbauer. The seeds were then in the F₄ generation. Ardie Gustafson grew these seeds in the Lewiston nursery. The plants were harvested as nineteen single plant selections. Five of these selections were grown in the wintertime in the growth chamber in the basement of the Crites-Moscow Lewiston office. Five of these plant selections in the third year of increase were planted at the Egbers (Race 5 Fusarium Wilt ground) and Peth (Race 6 Fusarium Wilt ground) leased by Northwestern Washington Research and Extension Unit, Mt. Vernon, Washington. These tests are under the supervision of Dr. William Haglund, Plant Pathologist. To confirm disease resistance, the lines were trialed by Dr. John Kraft, Plant Pathologist at the Irrigated Agriculture Research and Extension Center, Washington State University, Prosser, Washington for Fusarium Wilt 6 resistance and by Henry J. Fabian at Crites-Moscow Growers, Inc. for Fusarium wilt 5 resistance.

A single strain of the selection was determined to be most like Scout in quality, uniformity, vigor and phenotypic expression. The plants from this population were then bulked into the variety we now designate as "SUPERScout".
3. "SUPERScout" was established in the fifth generation. Field reports indicate it to be a homozygous line for the past 2 generations.

8200180

EXHIBIT "B"

DATA INDICATIVE OF NOVELTY

"SUPERSCOUT" is a double podded freezer variety which is similar in maturity to Scout. It is resistant to fusarium race 1, as is Scout, but also shows immunity to Pea Seedborne Mosaic Virus to which Scout is susceptible. It is also resistant to fusarium wilts 5 and 6. Scout is susceptible to these two diseases.

"SUPERSCOUT" is most similar to 'Scout'.

CRITES-MOSCOW GROWERS, INC.
P. O. Box 8912
Moscow, Idaho 83843

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

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782
OBJECTIVE DESCRIPTION OF VARIETY
PEA (*PISUM SATIVUM*)

EXHIBIT C
(Pea)

NAME OF APPLICANT(S) CRITES-MOSCOW GROWERS, INC.	VARIETY NAME OR TEMPORARY DESIGNATION SUPERSCOUT
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) 212 West 8th Street P. O. Box 8912 Moscow, Idaho 83843	FOR OFFICIAL USE ONLY PVPO NUMBER 8200180

Place the appropriate number that describes the varietal character in the boxes below.
Place a zero in first box (e.g., 089 or 09) when number is either 99 or less or 9 or less.

1. TYPE:

1 = GARDEN 2 = FIELD 3 = EDIBLE-POODED

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) Scout

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
6 = OTHER (Specify)

8. PODS:

1 = STRAIGHT 2 = SLIGHTLY CURVED
 3 = CURVED

1 = LIGHT GREEN (Alaska WR) 2 = MEDIUM GREEN 3 = DARK GREEN (Alderman)
 4 = OTHER (Specify)

1 = SMOOTH 2 = ROUGH
 1 = SHINY 2 = DULL

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 2 MM. WIDTH (Between sutures) 0 8 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
0 6	1 0	2 0	3 7	2 6	0 1			3 7 0

SEEDS (Dry, Mature):

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

3 Surface: 1 = SMOOTH 2 = DIMPLED 3 = WRINKLED
 1 = SHINY 2 = DULL

2 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

4 Secondary Color: 10 = GRAY 11 = BLACK

1 Hilum Floor Color: 1 = WHITE 2 = TAN 3 = BLACK
 2 Cotyledon Color: 1 = GREEN 2 = YELLOW 3 = ORANGE

2 5 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	0 BACTERIAL BLIGHT
0 MOSAIC	0 PEA ENATION MOSAIC	0 YELLOW BEAN MOSAIC
2 OTHER (Specify) <u>Pea Seedborne Mosaic Virus, Fusarium wilt races 5 and 6.</u>		

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

COMMENTS:

5

EXHIBIT "D"BOTANICAL DESCRIPTION OF THE VARIETY

"SUPERSCOUT" is a freezer variety which primarily bears double pods, is determinate and is similar in maturity to Scout.

The vine is medium, zig-zag and erect, growing to a height of 71 cm. under Moscow dryland conditions. It has approximately 18 nodes, with 4 to 5 centimeter internodes. Leaflets are paired, usually in 2, with medium marbeling. Stipules are marbled and non-clasping and are slightly larger than the leaflets. The foliage is a very dark green, typical of Scout, with medium wax cover. The first inflorescence occurs in the 11th and 12th node. Flowers are white with greenish venation, borne as primarily doubles. The pods are straight and blunt, dark green in color, (but not as dark as the foliage) and appear smooth, averaging 8 cm. in length and 12 mm. in width with an ovule count of 8 berries per pod.

We believe this description to be true to the best of our knowledge.

EXHIBIT "E"

Crites-Moscow Growers, Inc. recognizes Dr. Fred Muehlbauer as the breeder of "SUPERSCOUT". Segregating material was obtained from Dr. Fred Muehlbauer and reselected by Ardie Gustafson, a staff member of Crites-Moscow Growers, Inc. Mr. Gustafson is recognized as the originator of the Scout pea variety which was the recurrent parent in Dr. Muehlbauer's breeder program.

Since this variety is distinct in the fact that it is more vigorous and stable than X78122 (the original seed provided by Dr. Fred Muehlbauer), we solicit certified protection, and it carries resistance to fusarium wilts 5 and 6. X78122 was segregating for these characters.

