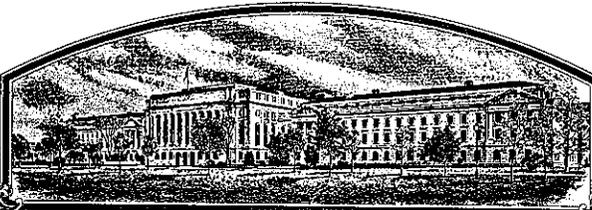


No.

8300010



# 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, 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 (7 U.S.C. 2321-2324, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEA

'Image'



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 28th day of November in the year of our Lord one thousand nine hundred and eighty-three.

Attest:

*Kenneth A. Hearn*  
Commissioner  
Plant Variety Protection Office  
Grain Division  
Agricultural Marketing Service

*John R. Block*  
Secretary of Agriculture

UNITED STATES DEPARTMENT OF AGRICULTURE  
 AGRICULTURAL MARKETING SERVICE  
 LIVESTOCK, POULTRY, GRAIN & SEED DIVISION

FORM APPROVED  
 OMB NO. 40-R3822

**APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE**

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

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY CM-K045C		1b. VARIETY NAME "IMAGE"		<b>FOR OFFICIAL USE ONLY</b>	
				PV NUMBER <b>8300010</b>	
2. KIND NAME Peas		3. GENUS AND SPECIES NAME Pisum Sativum		FILING DATE 10/27/82	TIME 3:00 P.M.
4. FAMILY NAME (BOTANICAL) Leguminosae		5. DATE OF DETERMINATION July 27, 1981		FEE RECEIVED \$ 500.00	DATE 10/27/82
				\$ 250.00	11/8/83
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:					
<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.) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
14b. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUCTION BEYOND BREEDER SEED? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED		
15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If "Yes," give name of countries and dates.)					
15b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> 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? <input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.					

October 18, 1982  
 (DATE)

Rex L. Blodgett  
 (SIGNATURE OF APPLICANT)

EXHIBIT A

1. 'IMAGE' originated from a hand pollinated cross during the Spring of 1975 and resulted from a backcross 3 program using 74SN3 as the male parent, and Swinger as the female parent, and subsequent recurrent parent.
2. Crossing for 'IMAGE' began in the Fall of 1974 using Swinger as the female parent and 74SN3 as the male parent. Subsequent backcrosses were made during the Spring of 1975, the Fall of 1975 and the final backcross was made during the Fall of 1976.
3. 74SN3 is a line developed by Dr. John Kraft of the USDA Irrigated Agricultural Research and Extension Center in Prosser, Washington. The parentage is 691005 x ((Small Sieve Freezer x C165) $F_3$  x (Early Perfection 3040 x C165) $F_3$ )  $F_6$ . 74SN3 was selected in the 7th generation.
4. In 1978 a single pureline selection was made from the Egber Farm wilt 5 nursery conducted by Washington State University under the direction of Dr. Bill Haglund. This selection was increased in Moscow, Idaho and tested for uniformity. It was reselected in 1980 and increased. It was tested for resistance to Fusarium wilt 2, 5 and 6 by Dr. John Kraft of USDA in Prosser, Washington in 1981. The final selection proved resistant to Fusarium wilt 5 and 6 but susceptible to wilt 2. Further testing for Fusarium wilt 1 resistance was conducted by Dr. Fred Muehlbauer of USDA at Pullman, Washington in 1981, and true resistance was reported.
5. 'IMAGE' was established in the 6th generation. Field reports indicate it has been stable for the past 4 generations.
6. No variation occurs in the variety 'IMAGE'.

8300010

EXHIBIT B

DATA INDICATIVE OF NOVELTY

"IMAGE" is a double podded freezing pea variety similar to Swinger. It is resistant to Fusarium wilt races 1, 5 and 6, whereas Swinger is resistant to Fusarium wilt race 1 only and is susceptible to race 5 and race 6.

"IMAGE" is most similar to 'Swinger'.

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION  
BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY  
PEA (PISUM SATIVUM)

NAME OF APPLICANT(S) CRITES-MOSCOW GROWERS, INC.	VARIETY NAME OR TEMPORARY DESIGNATION "IMAGE"
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 8300010

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 1 = GARDEN    2 = FIELD    3 = EDIBLE-PODDED

2. MATURITY:

1  2 Node number of first bloom:     0  6  7 No. of days to processing     1  3  6  0 Heat Units

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

0  3 No. of days Later than     3 4 = WANDO    5 = ALDERMAN WR    6 = AUSTRIAN WINTER

3. PLANT HEIGHT:

0  5  6 CM. HIGH

1  4 Cm. Shorter than     1 } 1 = ALASKA WR    2 = THOMAS LAXTON WR    3 = LITTLE MARVEL

1  8 Cm. Taller than     3 } 4 = WANDO    5 = ALDERMAN WR    6 = AUSTRIAN WINTER

4. VINE:

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

1 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     1 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 ?

2 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)

**B. PODS:**

2 Shape: 1 = STRAIGHT 2 = SLIGHTLY CURVED  1 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  2 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  9 CM. LENGTH  1  3 MM. WIDTH (Between sutures)  0  9 NO. SEEDS PER POD

**9. SEEDS (95-100 Tenderometer):**

2 Color: 1 = LIGHT GREEN 2 = GREEN 3 = DARK GREEN 4 = OTHER (Specify) \_\_\_\_\_  
 Seive: %  0  2  0  4  1  2  3  2  4  5  4  2  0  8    7   8   AVERAGE  4  3  2

**SEEDS (Dry, Mature):**

2 Shape: 1 = FLATTENED 2 = ANGULAR 3 = OVAL 4 = ROUNDED  
 3 Surface: 1 = SMOOTH 2 = DIMPLED  2 Surface: 1 = SHINY 2 = DULL  
 3 = WRINKLED  
 1 Color Pattern: 1 = MONOCOLOR 2 = MOTTLED 3 = STRIPED 4 = DOTTED  
 4 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  
 1 Hilum Floor Color: 1 = WHITE 2 = TAN  1 Cotyledon Color: 1 = GREEN 2 = YELLOW 3 = ORANGE  
 3 = BLACK

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

2 FUSARIUM WILT  1 NEAR-WILT  1 DOWNY MILDEW  
 0 ASCOCHYTA BLIGHT  1 POWDERY MILDEW  0 BACTERIAL BLIGHT  
 0 MOSAIC  0 PEA ENATION MOSAIC  0 YELLOW BEAN MOSAIC  
 2 OTHER (Specify) Fusarium wilt races 5 and 6.

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

0 APHIDS  0 OTHER (Specify) \_\_\_\_\_

**2. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED**

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

COMMENTS:

8300010

EXHIBIT D

BOTANICAL DESCRIPTION OF THE VARIETY

"IMAGE" is a freezing pea, which bears primarily double pods. It is determinant in growth and similar in maturity to Swinger.

The vine is medium, zig-zag, and erect growing to a height of 56 cm. under Moscow dryland conditions. It has approximately 18 nodes, with 4 to 5 cm. internodes. Leaflets are paired, usually in twos and threes with medium marbling. Stipules are larger than leaves, are marbled and non-clasping. The foliage is medium green with medium wax cover. The first floescence occurs on the 11th to 13th node. Flowers are white with greenish venation born as singles and doubles. The pods are pointed and slightly curved, medium green in color, and appear smooth, averaging 9 cm. in length and 13 mm. in width with an average berry count of 9 berries per pod.

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

8300010

EXHIBIT E

Crites-Moscow Growers, Inc, Moscow, Idaho believes it is the sole, original, and first breeder of "IMAGE", the variety for which it solicits certified protection.