

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Rogers Brothers Seed Company

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

BEAN

'Roma II'

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 15th day of May in the year of our Lord one thousand nine hundred and eighty.

Attest:

Samuel H. Lee
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

W. B. Bay
Secretary of Agriculture

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 ROMA 572		1b. VARIETY NAME ROMA II		FOR OFFICIAL USE ONLY	
				PV NUMBER 8000058	
2. KIND NAME SNAP BEAN		3. GENUS AND SPECIES NAME Phaseolus vulgaris		FILING DATE 2/20/80	TIME 3:00 <input checked="" type="radio"/> A.M. <input type="radio"/> P.M.
4. FAMILY NAME (BOTANICAL) Leguminosae		5. DATE OF DETERMINATION Fall, 1978		FEE RECEIVED \$ 500.00 \$ 250.00	DATE 2/4/80 5/2/80
6. NAME OF APPLICANT(S) ROGERS BROTHERS SEED COMPANY		7. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code) P. O. Box 1647, Idaho Falls, ID 83401		8. TELEPHONE AREA CODE AND NUMBER (208)522-0143	
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 DELAWARE		11. DATE OF INCORPORATION Feb. 25, 1975
12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS: Mr. Charles Green, Administrative Assistant ROGERS BROTHERS SEED COMPANY P. O. Box 1647, Idaho Falls, Idaho 83401					

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.

Feb. 1, 1980
 (DATE)

Charles Green
 (SIGNATURE OF APPLICANT)
 Charles Green, Administrative Assistant for
 Rogers Brothers Seed Company

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.

8000058

ROMA II

EXHIBIT A

ORIGIN AND BREEDING HISTORY OF THE VARIETY

ROMA II is a single plant selection from the Bush Romano bean variety Roma, which has the following pedigree:

BACHICHA x ROMANO POLE

The variety Bachicha is an Italian type and Romano Pole is of the original type.

During the summer of 1972, more than 100 seedlings, which were produced from a production seed lot of Roma, were field inoculated with a composite of the BV-1 (type) and NY-15 strains of Common Bean Mosaic. From this group of inoculated plants, four plants did not express mosaic symptoms and the dry seed of each was saved. During the summer of 1973, seed of the four symptomless selections was planted in the field and each was tested for resistance to Common Bean Mosaic strains BV-1 and NY-15. Three of these selections were again symptomless in this test. The seed of one of these, line 732197, was saved and increase of the new resistant line began in 1974 as entry 74408-A. Sixteen pounds of lot 74408-A was harvested and grown in 1975 as lot 75506, from which 279 pounds of seed was harvested. This seed was increased again in 1976 as lot 76572 and this was the origin of our present production line of ROMA II. Six single plant pureline resistant selections were made from the 76572 line in 1978 and in subsequent testing have been confirmed as resistant to Common Bean Mosaic strains BV-1 and NY-15. These pureline selections will be used to maintain the ROMA II variety. ROMA II has been tested under the designation of both Roma #572 and Roma #803.

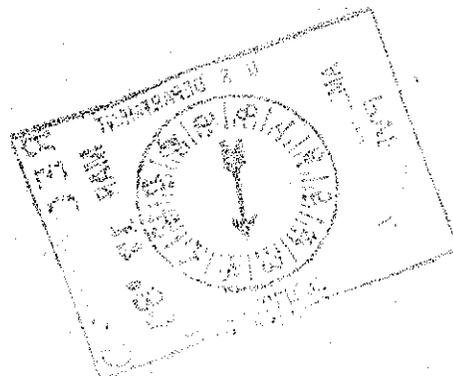
SUPPLEMENT

ROMA II

EXHIBIT A

ORIGIN AND BREEDING HISTORY OF THE VARIETY

Throughout the breeding and development history of ROMA II there have been no variant types identified. To the best of our knowledge, ROMA II is uniform for type and genetically stable.



8000058

ROMA II

EXHIBIT B

NOVELTY STATEMENT

ROMA II is the same as, or very similar to, Roma in all respects except ROMA II is resistant to Common Bean Mosaic strains BV-1 and NY-15, while Roma is not.

There have been reports suggesting slight differences in maturity and bush height between ROMA II and Roma, but this has not yet been confirmed.

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

EXHIBIT C
 (Bean)

OBJECTIVE DESCRIPTION OF VARIETY
 BEAN (*Phaseolus vulgaris* L.)

NAME OF APPLICANT(S) ROGERS BROTHERS SEED COMPANY	FOR OFFICIAL USE ONLY
	PVPO NUMBER: 8000058
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) P. O. Box 1647 Idaho Falls, Idaho 83401	VARIETY NAME OR TEMPORARY DESIGNATION ROMA II

Place numbers in the boxes (e.g.) for the characters that best describe this variety. Measured data should be for SPACED PLANTS. Ranges may also be given. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: _____ The location of test area is Twin Falls, Idaho

Please answer questions appropriate for your variety if the information is available.

1. TYPE:

1 = Field (dry-edible) 2 = Garden

2. MARKET MATURITY:

Days to edible pods Days to green shells

Days to dry seeds

Heat units to edible pods

Heat units to green shells

Heat units to dry seeds

No. days earlier than

- 1 = Tendercrop
- 3 = Kinghorn Wax
- 5 = Michelite 62
- 7 = Bush Blue Lake 290

- 2 = Kentucky Wonder
- 4 = White Kidney
- 6 = Dwarf Horticultural
- 8 = Other (specify below)

..... Same as

No. days later than

3. PLANT:

1 = Determinate 2 = Indeterminate

cm height

cm shorter than

..... Same as

comparison variety from above

cm taller than

cm spread

Number primary branches near base

cm narrower than

Branching habit:
1 = compact 2 = open

..... width same as

comparison variety from above

cm wider than

Main stalk: 1 = brittle 2 = wiry

1 = stout 2 = thin

3. PLANT: (Cont'd)

3 Pod position: 1 = low 2 = high 3 = scattered

4 Bush form (illustrated below):



1 = spherical bush form



2 = stem bush form



3 = wide bush form



4 = high bush form

5 = other (specify) _____

4. LEAVES:

1 1 = smooth 2 = wrinkled

1 1 = dull 2 = glossy

2 Size: 1 = small (Earliwax) 2 = medium 3 = large (Tendercrop)

2 Color: 1 = light green (as light or lighter than Bountiful) 2 = medium green
3 = dark green (as dark or darker than Bush Blue Lake 290)

5. FLOWERS:

1 Color: 1 = white 2 = cream 3 = pink 4 = lilac 5 = purple 6 = Other (specify) _____

4-2 Days to 50% bloom

6. FRESH PODS: (Edible maturity, average for 20 pods)

2 Exterior color: 1 = light green (as light or lighter than Bountiful)
2 = medium green
3 = dark green (as dark or darker than Bush Blue Lake 290)
4 = light yellow (Brittlewax)
5 = golden yellow (Cherokee Wax)
6 = green-red variegated (Horticultural)
7 = other (specify) _____

% Sieve size distribution at optimum maturity for non-flat pods

Note:

1 = 4.76 mm to 5.76 mm 4 = 8.34 mm to 9.53 mm
2 = 5.76 mm to 7.34 mm 5 = 9.53 mm to 10.72 mm
3 = 7.34 mm to 8.34 mm 6 = 10.72 mm or larger

A flat pod type

	1	2	3	4	5	6

3 sieve cm length mm width mm thickness

4 sieve cm length mm width mm thickness

5 sieve cm length mm width mm thickness

6 sieve cm length mm width mm thickness

6. FRESH PODS: (Cont'd)

1 Cross section pod shape: 1 = flat 2 = oval 3 = round 4 = heart

2 Creaseback: 1 = present 2 = absent

3 Pubescence: 1 = none 2 = sparse 3 = considerable

2 Spur: 1 = straight 2 = slightly curved 3 = curved

2 Constrictions: 1 = none 2 = slight 3 = deep

2 Pod flesh: 1 = light 2 = medium 3 = dark

1 8 mm spur length

2 Fiber: 1 = none 2 = sparse 3 = considerable

5 Number of seeds per pod

1 Surface: 1 = smooth 2 = rough

2 Suture string: 1 = present 2 = absent

1 Seed development (Snap Bean): 1 = slow 2 = medium 3 = fast

1 Machine harvest: 1 = adapted 2 = not adapted

4 Pod flavor: (1) Standard (Tendercrop)
 (2) Mild Blue Lake (BBL 274)
 (3) Strong Blue Lake (Pole FM1)
 (4) Mild Romano (Roma)
 (5) Strong Romano (Pole Romano)
 (6) Other (specify) _____

7. SEED COAT COLOR:

1 1 = Monochrome 2 = Polychrome 2 1 = shiny 2 = dull

1 Primary color: 1 = white 2 = yellow 3 = buff 4 = tan

None Secondary color: 5 = brown 6 = pink 7 = red 8 = purple
 9 = blue 10 = black 11 = other (specify) _____

1 Color Pattern: 1 = none 2 = splashed 3 = mottled 4 = striped 5 = flecked 6 = dotted

None Secondary color location: 1 = hilar ring 2 = ventral surface
 3 = sides 4 = dorsal surface
 5 = not restricted to any area 6 = combination of location (specify below) _____

None Hilar ring on colored seeds: 1 = absent 2 = narrow 3 = butterfly shaped

8. SEED SHAPE AND SIZE:

1 Hilarum view: 1 = elliptical 2 = oval 3 = round 1 Cross section: 1 = elliptical 2 = oval 3 = cordate 4 = round

2 Side view:



1 = oval to oblong

2 = round

3 = reniform

8. SEED SHAPE AND SIZE: (Cont'd)

2 1 = truncate ends 2 = rounded ends

4 4 gm/100 seed

gm/100 seed lighter than

gm/100 seed same as

1 0 gm/100 seed heavier than



6 } comparison variety from page one

9. ANTHOCYANIN: (1 = absent 2 = present)

1 Flowers 1 Stems 1 Pods 1 Seeds 1 Leaves

10. DISEASE RESISTANCE (0 = not tested 1 = susceptible 2 = resistant):

- 0 Anthracnose (specify race below)
- 2 Rust (specify race below)
R#16 = Moderate Resistance
- 0 Powdery mildew
- 0 Fusarium root rot
- 0 Pythium root rot
- 0 Rhizoctonia root rot
- 0 Pythium wilt
- 0 Angular leaf spot
- 0 Bacterial wilt
- 0 Halo blight (specify race below)
- 0 Fuscous blight
- 0 Red node virus
- 0 Pod mottle virus
- 2 Bean common mosaic virus (specify strain below)
BV-1 & NY 15
- Mosaic mottle
- Black root
- 1 Bean yellow mosaic virus
- 1 Curly top
- Other (specify below)

11. INSECT RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant)

- 0 Aphids
- 0 Leaf hopper
- 0 Lygus
- 0 Pod borer
- 0 Root knot nematode
- 0 Seed corn maggot
- 0 Thrips
- 0 Weevils
- Other (specify below)

12. PHYSIOLOGICAL RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant)

0 Heat 0 Cold 0 Drought 0 Air pollution

13. COMMENTS:

8000058

ROMA II

EXHIBIT D

ADDITIONAL DESCRIPTION OF THE VARIETY

ROMA II is an isogenic line of Roma. It has a true bush type plant with a height of approximately 40 cm and is erect and fairly compact with a somewhat vertical orientation of the branches. The leaves are long and pointed. The pod set is concentrated and they are held well off the ground. The pods are approximately 14 cm long, 2 cm deep and 8 mm wide, are straight and are quite smooth at prime fresh eating stage. The pods are exceptionally tender, yet firm, and the flavor is a bit milder than Pole Romano.

While under most conditions ROMA II produces a very determinate bush, there have been certain light and/or temperature conditions in the field and greenhouse which have induced the development of short runners on the plants. This rarely occurs, but when it does, can affect a high proportion of the plants within the population.