No. 7200021

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Rogers Brothers 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, 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 (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEA

'Medalist'

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* 24th *day of* June *in the year of our Lord one thousand nine hundred and* seventy-four

Attest:

S. J. Rollin

Commissioner
Plant Variety Protection Office

FORM GR-470
(12-15-72)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

FORM APPROVED
OMB NO. 40-R3713

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

1. VARIETY NAME OR TEMPORARY DESIGNATION	2. KIND NAME	FOR OFFICIAL USE ONLY
MEDALIST	GARDEN PEA	PV NUMBER 72021
3. GENUS AND SPECIES NAME	4. FAMILY NAME (*Botanical*)	FILING DATE 8·23·71 / TIME 9 A.M.
PISUM SATIVUM	LEGUMINOSAE	FEE RECEIVED $250.00 / BALANCE DUE $ —
	5. DATE OF DETERMINATION	$250.00 / $ —
	JULY 1964	$250.00 / $ —

6. NAME OF APPLICANT(S)	7. ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*)	8. TELEPHONE (AREA CODE AND NUMBER)
ROGERS BROTHERS COMPANY	3100 ROLLANDET P. O. Box 2188 IDAHO FALLS, IDAHO 83401	208-522-0110

9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (*Corporation, partnership, association, etc.*)	10. STATE OF INCORPORATION	11. DATE OF INCORPORATION
CORPORATION	DELAWARE	1958

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

John Kurzenhauser, Administrative Assistant
Rogers Brothers Company
P. O. Box 2188
Idaho Falls, Idaho 83401

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- [X] 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
- [X] 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 [X] 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.

April 16, 1973
(DATE)

John Kurzenhauser
(SIGNATURE OF APPLICANT)

(DATE)

(SIGNATURE OF APPLICANT)

MEDALIST

Garden Pea

EXHIBIT 12A

ORIGIN AND BREEDING HISTORY OF THE VARIETY

MEDALIST, a canner perfection type pea, originated from the following series of crosses:

(Victory Freezer x Famous) x Perfected Freezer) x Pluperfect) x New Season)

The final cross was Canner Hybrid #58619 x New Season and was made in 1958. Eight single plants were selected in 1960 in the F_2 generation. Two single plants were selected in 1962 from one of these eight lines, in the F_3 generation. Two single plants were selected in the F_4 generation from one of the two lines saved in 1962.

In the F_5 generation, one line was saved and increased to 2 1/4 pounds. This line was tested and found to be resistant to Near Wilt. This resistance was inherited from the New Season parent. The line was placed in the Rogers Brothers Comparison trials in 1964 under the stock number 64303. The records indicate that Medalist produces first blossoms primarily on the 13th node.

Pure line single plant selections were made in 1965 and two of these were increased to a total of 4,040 pounds in the 1969 seed crop to provide the basic seed stocks for current increase programs.

Medalist has been increased for nine generations beyond the original F5 selection. The only off-types that have occurred during this time have been an occasional early type mutant plant (no more than one early plant per 100,000 plants), and this could possibly have been a mixture.

MEDALIST

Garden Pea

EXHIBIT 12A

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Pure line single plant selections were made in 1965 and two of these were increased to a total of 4,040 pounds in the 1969 seed crop to provide the basic seed stocks for current increase programs.

MEDALIST

Garden Pea

EXHIBIT 12B

Botanical Description of the Variety

79.5 cm

MEDALIST is a mid-season perfection canner and is similar in type to the variety Eureka. Medalist has a ~~33 to 36 inch~~ vine and is ~~two to four inches~~ 5.3 cm shorter than Eureka. It blossoms on the 13th node as compared to the 14th to 16th for Eureka. Medalist normally reaches canning stage one to two days earlier than Eureka which gives it approximately a 67 day season. Medalist is mostly double podded, having 80% to 85% doubles normally. The sieve size is slightly smaller than Eureka and the berry has a more uniform color. Medalist has resistance to Fusarium Wilt and Near Wilt and has tolerance to Streak Virus.

Ltr 5/3/74

MEDALIST

Garden Pea

EXHIBIT 12D

Particulars of Trial Performance

Comparative yield data to Eureka is not available, but Medalist has produced consistently high yields in trials throughout the United States. A seed sample of Medalist is attached and comparative photographs of Medalist and Eureka are enclosed.

MEDALIST

Garden Pea

EXHIBIT 12D

DATA INDICATIVE OF NOVELTY

79.5 cm #7, ltr 5/3/74 most #7 per phone con. 5/9/74 ltr 5/3/74 5.3 cm #7

MEDALIST is a mid-season perfection canner and is similar in type to the variety Eureka. Medalist has a ~~33 to 36 inch~~ vine and is ~~two to four inches~~ shorter than Eureka. It blossoms on the 13th node as compared to the 14th to 16th for Eureka. Medalist normally reaches canning stage one to two days earlier than Eureka which gives it approximately a 67 day season. Medalist is mostly double podded, having 80% to 85% doubles normally. The sieve size is slightly smaller than Eureka and the berry has a more uniform color. Medalist has resistance to Fusarium Wilt and Near Wilt and has tolerance to Streak Virus.

Medalist and Eureka pod length are very similar with Medalist having a slightly longer pod (no more than one-fourth inch longer). The fresh berry of Medalist is approximately one-half sieve size smaller than Eureka. Berry color of Medalist and Eureka are nearly identical. Medalist has resistance to Fusarium Wilt Race #2 (near wilt) in addition to having resistance to Fusarium Race #1 only. Determinacy and plant type of Medalist and Eureka are very similar, with Eureka possibly having more of a zig-zag internode pattern than is found in Medalist.

Comparative yield date to Eureka is not available, but Medalist has produced consistently high yields in trials throughout the United States. A seed sample of Medalist is attached and comparative photographs of Medalist and Eureka are enclosed.

MEDALIST

Garden Pea

EXHIBIT 12E

Statement of the Basis of Applicant's Ownership

Medalist was bred and developed by Dr. M. E. Anderson, Plant Breeder for Rogers Brothers Company, and is the property of Rogers Brothers Company

FORM APPROVED. OMB NO. 40-R3712

FORM GR-470-14
(10-2-72)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

EXHIBIT C
(Pea)

OBJECTIVE DESCRIPTION OF VARIETY

PEA (*PISUM SATIVUM*)

INSTRUCTIONS: *See Reverse.*

NAME OF APPLICANT(S)
ROGERS BROTHERS COMPANY

ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*)
P. O. Box 2188
IDAHO FALLS, IDAHO 83401

FOR OFFICIAL USE ONLY
PVPO NUMBER
72021
VARIETY NAME OR TEMPORARY DESIGNATION
Medalist

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. TYPE:

[2] 1 = TALL (Internodes straight)
2 = DWARF (Internodes zigzag)

[1] 1 = GARDEN 2 = FIELD 3 = EDIBLE-PODDED

2. SEASON:

[2] Node number of first bloom: 1 = EARLY (8 - 12th node) 2 = MIDSEASON (13 - 24th node) 3 = LATE (Greater than 24th node)

3. MATURITY:

67

[0][4] No. of days *Earlier* than ..... [5]
[0][5] No. of days *Later* than ..... [3]

1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL
4 = WANDO 5 = ALDERMAN WR 6 = AUSTRIAN WINTER

4. PLANT HEIGHT:

[0][8][0] CM. HIGH 5/3/74

[3][6] Cm. *Shorter* than ..... [5]
[2][8] Cm. *Taller* than ..... [3]

1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL
4 = WANDO 5 = ALDERMAN WR 6 = AUSTRIAN WINTER

5. VINE:

[1] Habit: 1 = DETERMINATE 2 = INDETERMINATE

[2] Stockiness: 1 = SLIM (Alaska) 2 = MEDIUM (Thomas Laxton WR) 3 = HEAVY (Alderman)

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

[1] Node Color: 1 = GREEN 2 = RED BLOTCH

[2][1] NUMBER OF NODES

[0][7] CM. INTERNODE LENGTH (Just below 1st flowering node)

6. LEAFLETS:

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

[2] Wax: 1 = NONE 2 = LIGHT 3 = MEDIUM 4 = HEAVY

[ ] Marbling: 1 = NONE 2 = MARBLED (Alaska)

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

7. 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

8. FLOWER COLOR:

5

[1] 1 = MONOCOLOR 2 = BICOLOR

[2] Venation [1] Standard [1] Wing [2] Keel

1 = WHITE 2 = GREENISH 3 = LAVENDER 4 = PURPLE
5 = RED 6 = OTHER (Specify) _____

9. 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

[2] 1 = SHINY 2 = DULL

[2] Borne: 1 = SINGLE 2 = DOUBLE 3 = SINGLE AND DOUBLE 4 = SINGLE, DOUBLE, & TRIPLE 5 = DOUBLE & TRIPLE 6 = TRIPLE 7 = OTHER (Specify) _____

[0 8] CM. LENGTH [1 1] MM. WIDTH (Between sutures) [0 6] NUMBER OF SEEDS PER POD

10. SEEDS (95 - 100 Tenderometer):

[1] Color: 1 = LIGHT GREEN (Perfection Canner) 2 = GREEN (Little Marvel) 3 = DARK GREEN (Dark Skin Perfection) 4 = OTHER (Specify) _____

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

[3] Surface: 1 = SMOOTH 2 = DIMPLED 3 = WRINKLED

[2] Surface: 1 = SHINY 2 = DULL

SEEDS (Mature, Dry):

[1] Color: 1 = MONOCOLOR 2 = BICOLOR

[5] Primary Color:

[ ] Secondary Color:

1 = CREAMY-WHITE (Mammoth Melting Sugar) 2 = YELLOW (Arthur) 3 = CREAM & GREEN (Thomas Laxton) 4 = YELLOW 5 = LIGHT GREEN (Alderman) 6 = MEDIUM GREEN (Little Marvel) 7 = DARK GREEN (Dark Skin Perfection) 8 = BLUE-GREEN (Alaska WR) 9 = BROWN 10 = RED 11 = GRAY 12 = BLACK

[ ] Color Pattern: 1 = SPLASHED 2 = MOTTLED 3 = STRIPED 4 = FLECKED 5 = DOTTED

[2] Hilum Floor Color: 1 = WHITE 2 = TAN 3 = BLACK

[3] Cotyledon Color: 1 = YELLOW 2 = ORANGE 3 = GREEN

[2 1] GRAMS PER 100 SEED

11. SEED SIEVE SIZE DISTRIBUTION (95 - 100) Tenderometer):

Sieve (%): [0 5]1 [2 7]2 [2 9]3 [2 1]4 [1 6]5 [0 2]6 [0 0]7 [0 0]8

12. PLANT REACTION: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

[0] 1 = DROUGHT (Wando) [0] 2 = COLD (Alaska) [0] 3 = HEAT (Wando)

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

[2] FUSARIUM WILT [2] NEAR-WILT [1] DOWNY MILDEW

[1] ASCOCHYTA BLIGHT [1] POWDERY MILDEW [1] BACTERIAL BLIGHT

[1] MOSAIC [1] PEA ENATION MOSAIC [0] YELLOW BEAN MOSAIC

[ ] OTHER (Specify) _____

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

[0] APHIDS [ ] OTHER (Specify) _____

15. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Leafiness	Perfection Canner #326	Fresh Seed Color	Famous
Leaf Color	Famous	Mature Seed Color	Perfection Canner #326
Pod Color	Famous	Seed Shape	Perfection Canner #326
Pod Shape	Famous	Plant Habit	Perfection Canner #326

REFERENCES: The following publication may be used as a reference aid for the standardization of character descriptions and terms:

1. Shoemaker, D. N., 1934. Descriptions of Types of Principal American Varieties of Garden Peas. U.S.D.A. Miscellaneous Publication, No. 170.
2. Hedrick, V. P., 1928. The Vegetables of New York. New York Agricultural Experiment Station. Vol. 1., Part 1.
3. Wade, B. L., 1943. A Key to Pea Varieties. U.S.D.A. Circular No. 676.

Nickerson's or any recognized color fan may be used to determine color of the described variety.