

No.

8900019



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Sluis & Groot Research

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.)

PHLOX

'Palona Deep Rose'

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, D. C. this 30th day of September in the year of our Lord one thousand nine hundred and ninety-one.

Attest:

Kenneth H. Wans
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

E. A. Madigan
Secretary of Agriculture

APPROVAL EXPIRES 4-30-85

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

FORM APPROVED, OMB NO. 0681-0055

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426)

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

JMS
7/18/91
9/10/91

1 NAME OF APPLICANT(S) Sluis & Groot Research		2 TEMPORARY DESIGNATION Palona Deeprose	3 VARIETY NAME ----- Palona Deeprose
4 ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) P.O. Box no 26, 1600 AA Enkhuizen, the Netherlands		5 PHONE (Include area code) 02280-11411	FOR OFFICIAL USE ONLY PVPO NUMBER 8900019
6 GENUS AND SPECIES NAME Phlox drummondii	7. FAMILY NAME (Botanical) Polemoniaceae		FILING DATE Oct. 24, 1988 TIME 9:30 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
8. KIND NAME JMS 12/13/90 ----- Phlox	9. DATE OF DETERMINATION 1987		FEE RECEIVED AMOUNT FOR FILING \$ 1800.00 DATE October 20, 1988 AMOUNT FOR CERTIFICATE \$ 200.00 DATE Sept. 9, 1991
10 IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) Corporation			12. DATE OF INCORPORATION 1963
11. IF INCORPORATED, GIVE STATE OF INCORPORATION Netherlands			

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS

JMS
12/13/90

Sluis and Groot
Mr. Joe Messer
7337 West Jefferson, Suite 250
Fort Wayne, IN 46804

PHONE (Include area code): (219) 436 7333

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED

a. Exhibit A. Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)

b. Exhibit B. Novelty Statement.

c. *Exhibit C. Objective Description of Variety (Request form from Plant Variety Protection Office.) Own formular.

d. Exhibit D. Additional Description of Variety.

e. Exhibit E. Statement of the Basis of Applicant's Ownership.

15. 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) of the Plant Variety Protection Act.) Yes (If "Yes," answer items 16 and 17 below) No

16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? Yes No

17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? Foundation Registered Certified

18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.? Yes (If "Yes," give date) No

19. HAS THE VARIETY BEEN RELEASED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES? Yes (If "Yes," give names of countries and dates) No

20. The applicant(s) declare(s) that a viable sample of basic seeds 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 Protection Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT _____ DATE _____

SIGNATURE OF APPLICANT Ing. M. Tijburg *M. Tijburg* DATE 13-10-1988

INSTRUCTIONS

*
General: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$1,800 fee (\$200 filing fee and \$1,600 examination fee) to U.S. Department of Agriculture, Agricultural Marketing Service, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain a copy for your files. All items on the face of the form are self-explanatory unless noted below.

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.

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.

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 are clear differences; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.

Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.

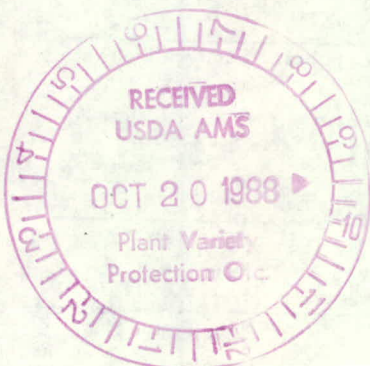
Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.

Section 52(4) of the Plant Variety Protection Act requires applicants to furnish a statement of the basis of the applicant's ownership. The applicant may be the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.

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.)

See section 41 (i, j) and 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice for eligibility requirements.

Furnish only untreated seed with your application. The Plant Variety Protection Office has no approved facilities to safely handle treated seed.





Sluis & Groot Research

Zaadunie B.V.

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Exhibit A (Amended 12-14-88) Origin and Breeding History

Phlox Palona Deeprose

The original material is based on a cross in 1982 between a Colorama type and a own genitor.

In this basic material line selectionwork has been done during several years with special screening on earliness, compactness and flower-color.

After 3 years the best lines were taken out of this material.

Through extensive multilocal assessment trials the final variety has been selected.

In 1987 the variety was determined.

The number of generations of reproduction is 5.

No variants have been ocured.

The degree of uniformity and stability is commercially highly acceptable.

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Phlox-Palona Deep Rose

Exhibit B

Novelty Statement

(Amended 12-14-88)

Phlox-~~Deep~~ Rose most closely resembles the 'Globe' variety except as follows:

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1. Phlox/^{Palona}Deep Rose has a rose flower with a red eye; whereas, 'Globe' has a mixture of color combinations.
 2. Phlox/^{Palona}Deep Rose is 10 days earlier in maturity than 'Globe'
 3. Phlox, Palona Deep Rose is shorter in height (12 cm. vs 15 cm.) and narrower in width (10 cm. vs 12 cm.)

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Remark	Palona Dee prose	Palona Light Salm.	K 22 Palona White	K 25 Palona Deep Salmon	K 66 Palona White with Eye	K 55 Palona Carmine	Checkvar. "Globe"
Leaflength	100 mm	100 mm	80 mm	80 mm	90 mm	80 mm	80 mm
Leafwidth	20 mm	20 mm	20 mm	20 mm	30 mm	20 mm	20 mm
Number florets/cyme	30	30	20	20	25	20	20
Number cymes/plant	6	6	4	4	4	4	5
Flowerheight	5 cm	5 cm	5 cm	5 cm	5 cm	5 cm	5 cm
Flowerwidth	10 cm	10 cm	10 cm	10 cm	10 cm	10 cm	10 cm

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

OBJECTIVE DESCRIPTION OF VARIETY

PHLOX (Phlox drummondii)

NAME OF APPLICANT(S) Sluis & Groot Research	TEMPORARY DESIGNATION Palona Deeprose	VARIETY NAME <u>Palona Deep Rose</u>
ADDRESS (Street & No., or R.F.D. No., City, State, & Zip Code) P.O. Box No 26, 1600 AA Enkhuizen, the Netherlands	FOR OFFICIAL USE PVPO NUMBER 8900019	

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Place the appropriate number that describes the varietal characters typical of this variety in the boxes below. When the number of significant digits is fewer than the number of boxes, place a zero in the first box or boxes. All characters need not be described; however, completeness should be striven for in order to establish the most adequate variety identification.

1. TYPE

12 1 = stellaris ('Twinkle') 2 = nana compacta ('Beauty' or 'Cecily') 3 = grandiflora ('Fordhook') 4 = gigantea ('Art Shades') 5 = other (Specify) _____

2. CHROMOSOME PLOIDY

11 1 = diploid 2 = triploid 3 = tetraploid

3. MATURITY

101615 No. Days from Seeding to 1st flower

1101 No. Days Earlier than Check Variety (Specify) Globe

111 No. Days Later than Check Variety (Specify) _____

4. PLANT (At Flowering Stage)

Habit: 11 1 = Compact 2 Spreading

112 cm Height 1151 Check Variety Globe (under Dutch growing conditions)

1101 cm Width 1121 Check Variety Globe

5. LEAF (At Flowering Stage)

11010 mm Length 10810 Check Variety ~~to be determined during trials~~
Globe May 1989

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120 mm Width 120 Check Variety Globe ~~to be determined during trials May '82~~

Pubescence: 12 1 = Absent 2 = Sparse 3 = Thick

Glandular Stickiness: 11 1 = Present 2 = Absent

6. FLOWER CYME

130 Number Florets/Cyme 16 Number Cymes/Plant

Shape: 12 1 = Flat 2 = Dome 3 = Pyramid

Size: 10.5 cm Height 10.5 Check Variety Globe ~~to be determined trials 1989~~

110 cm Width 110 Check Variety Globe ~~to be determined trials 1989~~

7. FLORET

Size: 12.5 mm Diameter Shape: 11 1 = round 2 = star 3 = other

Doubleness: 11 1 = single 2 = semi-double 3 = double

Color: 12 1 = Single 2 = Bicolor 3 = Tricolor

Color Pattern: 12 1 = Without "Eye" 2 = With "Eye"

Petal Color Patterns (Choose from Colors Below):

11 Apex Half 1014 Eye 11 Blotches

112 Base Half 11 Streaks 11 Other _____

11 Background 11 Spots

01 = White 02 = Yellow 03 = Orange 04 = Red 05 = Purple
 06 = Green 07 = Salmon 08 = Cream 09 = Lavender 10 = Buff
 11 = Pink 12 = Rose 13 = Other _____

8. DISEASE REACTION (Give common and scientific names of pathogens and whether variety is resistant or susceptible)

No resistances

9. Indicate a variety that most closely resembles that submitted for the following characteristics:

CHARACTER	VARIETY	CHARACTER	VARIETY
Plant Size	Globe	Floret Color	---
Plant Shape	Globe	Floret Size	Globe
Plant Habit	Globe	Floret Type	Globe

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United States Department of Agriculture
Agricultural Marketing Service

Grain Division
Hyattsville, Maryland 20782

OBJECTIVE DESCRIPTION OF VARIETY - Exhibit ~~C~~D
(PHLOX L.)

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Variety "Palona Deeprose"^R

1. SPECIES
 - .01. 01 = Phlox drummondii
2. TYPE (at maturity)

Dwarf compacta
3. LEAVES

Entire , long
4. FLOWERS

Compact build flowering in bunches
5. BASIC COLOR

Deeprose
6. COLOR STRIPING

None
7. EYE

dark eye
8. SEED

20 grs per 10.000 seeds
9. ADAPTATION

Bedding plants + pot culture.
Annual
10. RESISTANCES

No specific resistances.
11. DIFFERENCES WITH REGARD TO EXISTING VARIETIES

Phlox Palona Deeprose differs from variety Globe by :

 - about 10 days earlier
 - more compact plants
 - the spread of the plant is about 40-50 % less.

W. H. Burg

