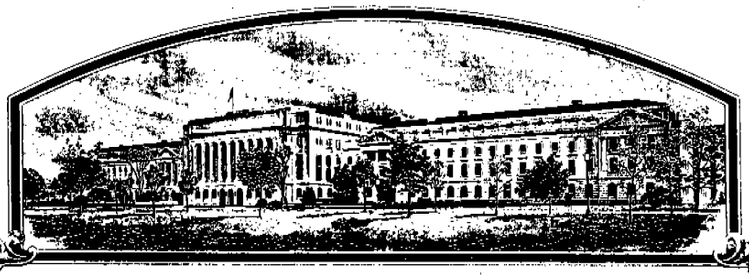

No. 7600035

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Denholm Seeds

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.)

MARIGOLD

'Goldfinch'

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* 18th *day of* November *in the year of our Lord one thousand nine hundred and* seventy-six

Attest:

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Secretary of Agriculture

FORM GR-470
(12-15-72)

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

FORM APPROVED
OMB NO. 40-R3712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

1. VARIETY NAME OR TEMPORARY DESIGNATION	2. KIND NAME	FOR OFFICIAL USE ONLY	
Goldfinch	Marigold	PV NUMBER 7600035	
3. GENUS AND SPECIES NAME	4. FAMILY NAME *(Botanical)*	FILING DATE 2-3-76	TIME 10:30 A.M.
Tagetes patula	Compositae	FEE RECEIVED $ 250.00	BALANCE DUE $ —
	5. DATE OF DETERMINATION July 1973	$ 250.00	$ —
		$ 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
Denholm Seeds	222 North A Street Lompoc, California 93436		805/736-4563

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	California	1952

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

David G. Lemon
Denholm Seeds
222 North A Street
Lompoc, California 93436

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.)*

[X] 13B. Exhibit B, Botanical Description of the Variety

[X] 13C. Exhibit C, Objective Description of the Variety

[X] 13D. Exhibit D, Data Indicative of Novelty

[X] 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 [X] 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.

January 29, 1976
(DATE)

David G. Lemon
(SIGNATURE OF APPLICANT)

(DATE)

(SIGNATURE OF APPLICANT)

Application No. 7600035 Marigold 'Goldfinch'

Exhibit A

Origin and Breeding History of the Variety

1. 'Goldfinch' originated as a mutant from the Aquarius variety of French Marigold. It was selected over a number of years and the first crop was grown in 1975. The first seed will be offered for sale after harvest 1976. This variety has won a Bronze Medal in the All Britain Trials for 1977 introduction in addition to being placed on the Novelty Register of the Fleuroselect trials. In both of these trials it was compared to the variety Honeymoon.

2. Goldfinch is stable for height, color uniformity and other characteristics. Like most open pollinated Marigolds an occasional off type does occur. These are rogued out in the production fields.

Application No. 7600035 Marigold 'Goldfinch'

Exhibit D

Data Indicative of Novelty

1. 'Goldfinch' is larger flowered than the nearest comparison varieties 'Honeymoon' and 'Gypsy Sunshine'. Under most conditions the blooms will be 2-2½" in diameter compared to 1 3/4" for the comparisons. The enclosed color slide shows a comparison photo of 'Goldfinch' and 'Honeymoon' and shows clearly the size difference. This variety blooms at about the same time as the comparison varieties.

2. Comparison photograph taken in May 1976 at Geo. J. Ball, Inc., West Chicago enclosed.

DENHOLM SEEDS

PV No. 7600035

Exhibit B

Botanical Description of the Variety

Goldfinch is a dwarf French Marigold (Tagetes patula CV). Plant height is 10-12 inches depending on climate. Habit is semi-erect and compact. The leaves are compound and the leaflets are filiform. Stems are zig-zag and the flower type is crested. Color is deep gold.

The nearest varieties are Honeymoon (Harris) and Gypsy Sunshine (Harris). Goldfinch is larger flower than both of these varieties.

FEB 3 1976

INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and $250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, 6525 Belcrest Road, Hyattsville, Maryland 20782. (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 Insert the date the applicant determined that he had a new variety based on the definition in Section 41 (a) of the Act and decision is made to increase the seed.

13a First, give the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. Second, give the details of subsequent stages of selection and multiplication. Third, indicate the type and frequency of variants during reproduction and multiplication and state how these variants may be identified. Fourth, provide evidence on stability.

13b First, give any special characteristics of the seed and of the plant as it passes through the seedling stage, flowering stage and the fruiting stage. Second, describe the mature plant and compare it with a similar commercial variety grown under the same conditions, and indicate the differences.

13c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.

13d Provide complete data indicative of novelty. Seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty may be submitted. Seeds submitted may be sterile.

13e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.

FORM GR-470-9
(9-15-72)

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

EXHIBIT C
(Marigold)

OBJECTIVE DESCRIPTION OF VARIETY

INSTRUCTIONS - *See Reverse.*

MARIGOLD *(TAGETE)*

NAME OF APPLICANT(S)
Denholm Seeds

ADDRESS *(Street and No., or R.F.D. No.; City, State, and ZIP Code)*
222 North A Street
Lompoc, California 93436

FOR OFFICIAL USE ONLY

PVPO NUMBER
7600035

VARIETY NAME OR TEMPORARY DESIGNATION
GOLDFINCH

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][8]) when number is either 99 or less or 9 or less.

1. SPECIES TYPE:

[2] 1 = ERECTA *(African)* 2 = PATULA *(French)* 3 = TENUIFOLIA *(Signata)* 4 = LUCIDA *(Sweet)*
5 = OTHER *(Specify)* _____

2. PLOIDY:

[3] 1 = DIPLOID (n = _____) 2 = TRIPLOID (n = _____) 3 = TETRAPLOID (n = _____)

3. PLANT TYPE/HABIT:

[2] 1 = EXTRA DWARF *(Miniature, petite)* < 20 CM. 2 = DWARF 25-35 CM. 3 = SEMIDWARF 40-55 CM. 4 = TALL > 60 CM.

[2] 1 = ERECT 2 = SEMIERECT 3 = DECUMBENT

[1] 1 = COMPACT 2 = LAX

[1] Flowering: 1 = LONG SEASON 2 = SHORT SEASON

4. LEAF *(Middle of first flowering branch):*

[2] Type: 1 = SIMPLE 2 = COMPOUND

[4] Leaflet: 1 = OVATE 2 = LANCEOLATE 3 = ELLIPTIC 4 = FILIFORM

[5] Margin: 1 = ENTIRE 2 = CRENATE 3 = SERRATE 4 = DENTATE 5 = INCISED

[0][1][0] CM. LONG [6][0] MM. WIDE [1] Anthocyanin pigment in petioles: 1 = ABSENT 2 = PRESENT

[1] Glands: 1 = PUNCTATE 2 = LARGE DOTS [2] Glands: 1 = BASAL 2 = APICAL

[4] Odor: 1 = NONE 2 = MILD FRAGRANCE 3 = STRONG FRAGRANCE 4 = MILD "MARIGOLD" 5 = STRONG "MARIGOLD"

5. STEM:

[2] 1 = STRAIGHT 2 = ZIGZAG [2] 1 = BRITTLE 2 = FLEXIBLE

[3] *Anthocyanin:* 1 = ABSENT 2 = ALONG VEINS ONLY 3 = SOLID COLORATION [1][5] CM. FROM BASE OF STEM TO INVOLUCRE OF TERMINAL FLOWER

[0][7] CM. FROM BASE OF MAIN STEM TO AXIL OF TOP BRANCH [0][5] CM. FROM AXIL OF TOP BRANCH TO INVOLUCRE OF TERMINAL FLOWER

[0][1] NO. OF INTERNODES BELOW FIRST BRANCH [0][4] NO. OF FIRST ORDER BRANCHES *(from main stem)*

6. FLOWER:

[3] *Type:* 1 = CARNATION 2 = CHRYSANTHEMUM 3 = OTHER Crested

[2] 1 = SINGLES 2 = DOUBLES

[3] *Silhoutte:* 1 = FLATTENED 2 = ROSETTE 3 = GLOBULAR

[4] *Odor:* 1 = NONE 2 = MILD FRAGRANCE 3 = STRONG FRAGRANCE 4 = MILD "MARIGOLD" 5 = STRONG "MARIGOLD"

4

DENHOLM SEEDS

PV No. 7600035

Exhibit E

Statement of Applicant's Ownership

Denholm Seeds, Lompoc, California is the sole, original and first breeder of the "Goldfinch" variety of French Marigold for which it solicits for variety protection.

 PV No. 7600035

FEB 3 1976

6. FLOWER: *(Continued)*

[1] Ray: 1 = FLATTENED 2 = CURLED/TWISTED *(Fantastic)*

[2] Apices: 1 = ENTIRE 2 = LOBED 3 = NOTCHED

[1] SURFACE - Dorsal:
[1] SURFACE - Ventral: } 1 = GLABROUS 2 = PUBESCENT 3 = PUBESCENT ON APICE ONLY

[1] LUSTER - Dorsal:
[2] LUSTER - Ventral: } 1 = SHINY 2 = DULL

[1] PATTERN - Dorsal:
[1] PATTERN - Ventral: } 1 = SOLID 2 = SPOTTED 3 = STRIPED 4 = PICOTEE 5 = OTHER *(Specify)* _____

[1] Color: 1 = SOLID 2 = BICOLOR *(Specify colors)*: Primary Deep Gold Secondary _____

State color standards used: _____

SIZE *(Use outer row of first matured flower)*: [3][0] MM. LONG [3][5] MM. WIDE

[3] Disc: 1 = ABSENT 2 = PRESENT, COVERED 3 = PRESENT, UNCOVERED

[-2] Type: 1 = NOT QUILLED 2 = QUILLED

7. DISEASE RESISTANCE *(0 = Not Tested; 1 = Susceptible; 2 = Resistant)*

[0] ROOT-ROT *(Phytophthora)*
[0] GREY MOLD *(Botrytis)*
[0] STEM ROT *(Sclerotinia)*
[0] VIRUS YELLOWS
[0] FUSARIUM WILT
[0] WITCHES BROOM

8. INDICATE A VARIETY THAT MOST NEARLY RESEMBLE THAT SUBMITTED

CHARACTER	VARIETY	CHARACTER	VARIETY
Plant shape	Honeymoon	Flower size	Stardust
Plant size	Honeymoon	Flower shape	Stardust
Foliage	Honeymoon	Flower color	Gypsy Sunshine

INSTRUCTIONS

REFERENCES: The following publications may be used as a reference aid for completing this form:

(a) Bailey, L. H., 1949, Manual of Cultivated Plants, MacMillan.

(b) Royal Horticulture Society, 1965, Dictionary of Gardening, Oxford.

(c) Wyman, Donald, 1971, Wyman's Gardening Encyclopedia, MacMillan.

COLOR: Nickerson's or any recognized color fan may be used to determine the colors.