



US00PP13018P2

(12) **United States Plant Patent**
Smith

(10) **Patent No.: US PP13,018 P2**
(45) **Date of Patent: Sep. 24, 2002**

(54) **CHRYSANTHEMUM PLANT NAMED
‘GOLDEN YOMARILYN’**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 2 days.

(21) Appl. No.: **09/837,589**

(22) Filed: **Apr. 19, 2001**

(51) **Int. Cl.**⁷ **A01H 5/00**

(52) **U.S. Cl.** **Plt./289**

(58) **Field of Search** **Plt./289**

(56) **References Cited**

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(57) **ABSTRACT**

A distinct cultivar of Chrysanthemum plant named ‘Golden Yomarilyn’, characterized by its upright plant habit; freely branching growth habit; uniform and freely flowering habit; decorative-type inflorescences; and golden yellow ray florets.

1 Drawing Sheet

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of Chrysanthemum plant, botanically known as *Chrysanthemum×morifolium* and hereinafter referred to by the name ‘Golden Yomarilyn’.

The new cultivar is a product of a planned breeding program conducted by the Inventor in Salinas, Calif. and Fort Myers, Fla. The objective of the breeding program is to create new garden-type Chrysanthemum cultivars having inflorescences with desirable inflorescence forms, attractive floret colors and good garden performance.

The new Chrysanthemum is a naturally-occurring whole plant mutation of a proprietary induced mutation that originated by exposing unrooted cuttings of the Chrysanthemum cultivar ‘Mariyo’, disclosed in U.S. Plant Pat. No. 11,910, to X-ray radiation in March, 1997, in Fort Myers, Fla. The new Chrysanthemum was discovered and selected by the Inventor as a single flowering plant within a population of flowering plants of the irradiated selection in October, 1997 in a controlled environment in Salinas, Calif. The selection of this plant was based on its desirable inflorescence form, attractive ray floret color and good garden performance.

Asexual reproduction of the new cultivar by terminal cuttings taken in a controlled environment in Fort Myers, Fla. since January, 1999, has shown that the unique features

of this new Chrysanthemum are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

The cultivar Golden Yomarilyn has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, daylength and light intensity, without, however, any variance in genotype.

The following traits have been repeatedly observed and are determined to be the unique characteristics of ‘Golden Yomarilyn’. These characteristics in combination distinguish ‘Golden Yomarilyn’ as a new and distinct cultivar:

1. Upright and compact plant habit.
2. Freely branching, dense, full plants.
3. Uniform and freely flowering.
4. Decorative-type inflorescences.
5. Golden yellow-colored ray florets.

Compared to plants of the cultivar ‘Mariyo’, plants of the new Chrysanthemum differ in ray floret color.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographs illustrate the overall appearance of the new Chrysanthemum. These photographs shown the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photo-

graphs may differ slightly from the color values cited in the detailed botanical description which accurately describe the colors of the new Chrysanthemum.

The photograph at the top of the sheet comprises a side perspective view of a typical flowering plant of 'Golden Yomarilyn'.

The photograph at the bottom of the sheet comprises a close-up view of typical inflorescences of the cultivar 'Golden Yomarilyn'.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to The Royal Horticultural Society Colour Chart except where general terms of ordinary dictionary significance are used. The following observations and measurements describe plants grown in Salinas, Calif., under conditions which approximate those generally used in commercial garden Chrysanthemum production. One rooted cutting was planted in a 15-cm container in July, 2000 and plants were grown under natural season conditions. Plants were not pinched, that is, the terminal apex was not removed to enhance branching. Measurements and numerical values represent averages for typical flowering plants.

Botanical classification: *Chrysanthemum×morifolium* cultivar Golden Yomarilyn.

Commercial classification: Decorative-type garden Chrysanthemum.

Parentage: Naturally-occurring whole plant mutation of a proprietary *Chrysanthemum×morifolium* induced mutation, not patented.

Propagation:

Type.—Terminal tip cuttings.

Time to initiate roots.—About four days at 21° C.

Time to produce a rooted cutting.—About ten days at 21° C.

Root description.—White, fine and fibrous.

Rooting habit.—Freely branching.

Plant description:

Appearance.—Perennial herbaceous decorative-type garden Chrysanthemum. Inverted triangle; upright and compact plant form. Stems initially upright, then somewhat outwardly spreading giving a uniformly mounded appearance to the plant. Freely branching with about 11 lateral branches per plant.

Plant height.—About 18 cm.

Plant diameter.—About 26 cm.

Lateral branches.—Length: About 15.5 cm. Diameter: About 5 mm. Internode length: About 1.6 cm. Aspect: Mostly upright. Texture: Pubescent. Color: 144A.

Foliage description.—Leaf arrangement: Alternate. Length: About 4.4 cm. Width: About 3 cm. Apex: Cuspidate to mucronate. Base: Attenuate. Margin:

Palmately lobed, sinuses divergent. Texture: Both surfaces, pubescent; veins prominent on lower surface. Color: Young foliage upper surface: 147A. Young foliage lower surface: 147B. Mature foliage upper surface: 147A. Mature foliage lower surface: 147B. Venation upper surface: 147B. Venation lower surface: 147B. Petiole length: About 1.4 cm. Petiole diameter: About 2 mm. Petiole color, both surfaces: 146B to 146C.

Inflorescence description:

Appearance.—Decorative-type inflorescence form with elongated oblong-shaped ray florets. Inflorescences borne on terminals above foliage, arising from leaf axils. Disk and ray florets arranged acropetally on a capitulum. About 9 inflorescences per lateral; about 99 inflorescences per plant.

Flowering response.—Under natural season conditions, plants flower in mid-September in the Northern Hemisphere and continue to flower for at least three weeks depending on weather conditions.

Inflorescence bud (before showing color).—Height: About 5.5 mm. Diameter: About 7 mm. Phyllary color: 143A.

Inflorescence size.—Diameter: About 4 cm. Depth (height): About 1.6 cm. Disc diameter: No disc florets. Receptacle diameter: About 4.5 mm.

Ray florets.—Shape: Elongated oblong. Length: About 1.9 cm. Corolla tube length: About 4 mm. Width: About 5.5 mm. Apex: Acute, emarginate or dentate. Margin: Entire. Texture: Smooth, glabrous, satiny. Orientation: Initially upright and incurved, then perpendicular to the peduncle and concave, and eventually somewhat convex. Number of ray florets per inflorescence: About 131. Color: When opening, upper and lower surfaces: 9A. Opened inflorescence, upper surface: 9A to 9B; fading to 9B. Opened inflorescence, lower surface: 9B to 9C.

Disc florets.—None.

Peduncle.—Aspect: Flexible, angled about 45° from the stem. Length: First peduncle: About 6.1 cm. Fourth peduncle: About 9.2 cm. Diameter: About 2 mm. Texture: Pubescent. Color: 144A.

Reproductive organs.—Androecium: None. Gynoecium: Present on ray florets.

Seed.—Seed production has not been observed.

Disease resistance: Plants of the new Chrysanthemum have not been shown to be resistant to pathogens common to Chrysanthemums.

Garden performance: Plants of the new Chrysanthemum have been observed to be tolerant to rain and wind.

It is claimed:

1. A new and distinct cultivar of Chrysanthemum plant named 'Golden Yomarilyn', as illustrated and described.

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