



US00PP12512P2

(12) **United States Plant Patent**  
**Vandenberg et al.**

(10) **Patent No.: US PP12,512 P2**  
(45) **Date of Patent: Apr. 2, 2002**

(54) **CHRYSANTHEMUM PLANT NAMED  
‘YOGRACELAND’**

(75) Inventors: **Cornelis P. Vandenberg**, Salinas, CA  
(US); **Wendy R. Bergman**, Lehigh  
Acres, FL (US)

(73) Assignee: **Yoder Brothers, Inc.**, Barberton, OH  
(US)

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/594,755**

(22) Filed: **Jun. 16, 2000**

(51) **Int. Cl.<sup>7</sup>** ..... **A01H 5/00**

(52) **U.S. Cl.** ..... **Plt./297**

(58) **Field of Search** ..... Plt./297, 286, 294

*Primary Examiner*—Howard J. Locker  
(74) *Attorney, Agent, or Firm*—C. A. Whealy

(57) **ABSTRACT**

A distinct cultivar of Chrysanthemum plant named  
‘Yograceland’, characterized by its upright, somewhat  
spreading, and uniformly mounded plant habit; strong, dark  
green foliage; uniform flowering response; early flowering,  
eight-week response time; very large single anemone-type  
inflorescences that are about 13.7 cm in diameter; very light  
pink ray florets and yellow-tipped disc florets; and good  
postproduction longevity with inflorescences maintaining  
good substance and color for about three weeks in an interior  
environment.

**1 Drawing Sheet**

**1**

**BACKGROUND OF THE INVENTION**

The present Invention relates to a new and distinct culti-  
var of Chrysanthemum plant, botanically known as *Den-  
dranthea grandiflora* and hereinafter referred to by the  
cultivar name Yograceland.

The new Chrysanthemum is a product of a planned  
breeding program conducted by the Inventors in Salinas,  
Calif. and Fort Myers, Fla. The objective of the breeding  
program is to create new potted Chrysanthemum cultivars  
with desirable inflorescence form and floret colors and good  
postproduction longevity.

The new Chrysanthemum originated from a cross made  
by the Inventors in February, 1995, in Salinas, Calif., of a  
proprietary Chrysanthemum seedling selection identified as  
YB-5899 as the male, or pollen, parent with the Chrysan-  
themum cultivar Blush, disclosed in U.S. Plant Pat. No.  
7,985 as the female, or seed, parent. The new Chrysanthem-  
um was discovered and selected by the Inventors in April,  
1996, as a single flowering plant within the progeny of the  
stated cross grown in a controlled environment in Fort  
Myers, Fla. The selection of this plant was based on its  
desirable inflorescence form and floret colors and good  
postproduction longevity.

Asexual reproduction of the new Chrysanthemum by  
vegetative tip cuttings was first conducted in Fort Myers,  
Fla. in June, 1996. Asexual reproduction by cuttings has  
shown that the unique features this new Chrysanthemum are  
stable and reproduced true to type in successive generations.

**SUMMARY OF THE INVENTION**

The cultivar Yograceland 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 ‘Yograce-  
land’. These characteristics in combination distinguish  
‘Yograceland’ as a new and distinct Chrysanthemum:

**2**

1. Upright, somewhat spreading, and uniformly mounded  
plant habit.

2. Strong, dark green foliage.

3. Uniform flowering response.

4. Early flowering, eight-week response time.

5. Very large single anemone-type inflorescences that are  
about 13.7 cm in diameter.

6. Very light pink ray florets and yellow-tipped disc  
florets.

7. Good postproduction longevity with inflorescences  
maintaining good substance and color for about three weeks  
in an interior environment.

Plants of the new Chrysanthemum differ from plants of  
the cultivar, Pink Blush, disclosed in U.S. Plant Pat. No.  
9,444, in the following characteristics:

1. Plants of the new Chrysanthemum have single  
anemone-type inflorescences whereas plants of the cultivar  
Pink Blush have single daisy-type inflorescences.

2. Plants of the new Chrysanthemum are taller than plants  
of the cultivar Pink Blush.

3. Plants of the new Chrysanthemum flower about two or  
three days earlier than plants of the cultivar Pink Blush.

**BRIEF DESCRIPTION OF THE PHOTOGRAPHS**

The accompanying colored photographs illustrate the  
overall appearance of the new Chrysanthemum showing the  
colors as true as it is reasonably possible to obtain in colored  
reproductions of this type. Colors in the photographs may  
differ from the color values cited in the detailed botanical  
description which more accurately describe the actual colors  
of the new Chrysanthemum.

The photograph at the top of the sheet comprises a top  
perspective view of a typical flowering plant of ‘Yograce-  
land’.

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



## 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 and flowered during the Spring in Salinas, Calif. and Leamington, Ontario, Canada, under greenhouse conditions which approximate those generally used in commercial potted Chrysanthemum production. Four unrooted cuttings were directly stuck in a 15-cm container and pinched once. Plants used for this description were grown as disbud-types. Measurements and numerical values represent averages of typical flowering plants.

Botanical classification: *Dendranthema grandiflora* cultivar Yogranceland.

Commercial classification: Single anemone-type potted Chrysanthemum.

Parentage:

*Male, or pollen, parent.*—Proprietary Chrysanthemum seedling selection identified as YB-5899.

*Female, or seed, parent.*—*Dendranthema grandiflora* cultivar Blush, disclosed in U.S. Plant Pat. No. 7,985.

Propagation:

*Type.*—Terminal tip cuttings.

*Time to rooting.*—Seven to ten days with soil temperatures of 21° C.

*Rooting habit.*—Fine, fibrous and well-branched.

Plant description:

*Appearance.*—Herbaceous single anemone-type potted Chrysanthemum that is typically grown as a disbud-type. Inverted triangle; stems mostly upright and somewhat outwardly spreading giving a uniformly mounded appearance to the plant. About three lateral branches develop after removal of terminal apex (pinching). Moderate vigor.

*Plant height.*—About 27 cm.

*Plant width.*—About 37 cm.

*Lateral branches.*—Length: About 15 cm. Diameter: About 3.5 mm. Internode length: About 1.2 cm. Strength: Flexible, but strong. Texture: Pubescent. Color: 144A.

*Foliage description.*—Arrangement: Alternate. Quantity per lateral stem: About 12. Length: About 4.7 cm. Width: About 3.8 cm. Apex: Mucronate. Base: Mostly truncate. Margin: Palmately lobed, sinuses between lateral lobes parallel to overlapping. Texture: Upper and lower surfaces with very fine pubescence; 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 1.1 cm. Petiole diameter: About 2.5 mm. Petiole color: 147B to 147C.

Inflorescence description:

*Appearance.*—Single anemone-type inflorescence form with elongated oblong-shaped ray florets. Inflorescences borne on terminals above foliage. Disk and ray florets arranged acropetally on a capitulum. Not fragrant.

*Flowering response.*—Under natural conditions, plants flower in the autumn/winter in the Northern Hemisphere. At other times of the year, inflorescence initiation and development can be induced under short day/long night conditions (at least 13.5 hours of darkness). Plants exposed to three weeks of long day/short night conditions after planting followed by photoinductive short day/long night conditions flower about eight weeks later; early flowering.

*Postproduction longevity.*—Inflorescences maintain good color and substance for about three weeks in an interior environment.

*Quantity of inflorescences.*—Typically grown as a disbud-type with one inflorescence per lateral stem; about three inflorescences per plant.

*Inflorescence bud.*—Height: About 6 mm. Diameter: About 7 mm. Color: Close to 137A.

*Inflorescence size.*—Diameter: About 13.7 cm. Depth (height): About 3.4 cm. Diameter of disc: About 4.8 cm. Receptacle diameter: About 7 mm.

*Ray florets.*—Shape: Elongated-oblong. Orientation: Initially upright, then about perpendicular to stem; flat and somewhat reflexed. Length: About 6.5 cm. Width: About 1.5 cm. Apex: Rounded, mammilate or dentate. Base: Attenuate; very short corolla tube. Margin: Entire. Texture: Smooth, glabrous, satiny. Number of ray florets per inflorescence: About 28; one row. Color: When opening, upper surface: 65C to 65D or close to 69B to 69C. When opening, lower surface: 65D or 69B to 69C. Fully opened, upper surface: Close to 65C to 65D, to 62D, to close to 69B to 69C; floret color fading towards white with subsequent development. Fully opened, lower surface: 65D, lighter than 62D or 69B to 69C.

*Disc florets.*—Shape: Enlarged, flared. Apex: Five-pointed, fringed appearance. Length: About 2.2 cm. Width: Apex, about 7 mm; base, about 1 mm. Number of disc florets per inflorescence: About 183. Color: Immature: Close to 151A to 154A to 3A to 9A to 12A. Mature: Apex: Tipped with 3A to 9A or 12A. Mid-section: Throat and tube, 62D towards white. Base: Close to 151A.

*Reproductive organs.*—Androecium: Present on disc florets only. Anther color: 9A. Pollen amount: None observed. Gynoecium: Present on both ray and disc florets.

Disease resistance: Resistance to pathogens common to Chrysanthemums has not been observed on plants grown under commercial greenhouse conditions.

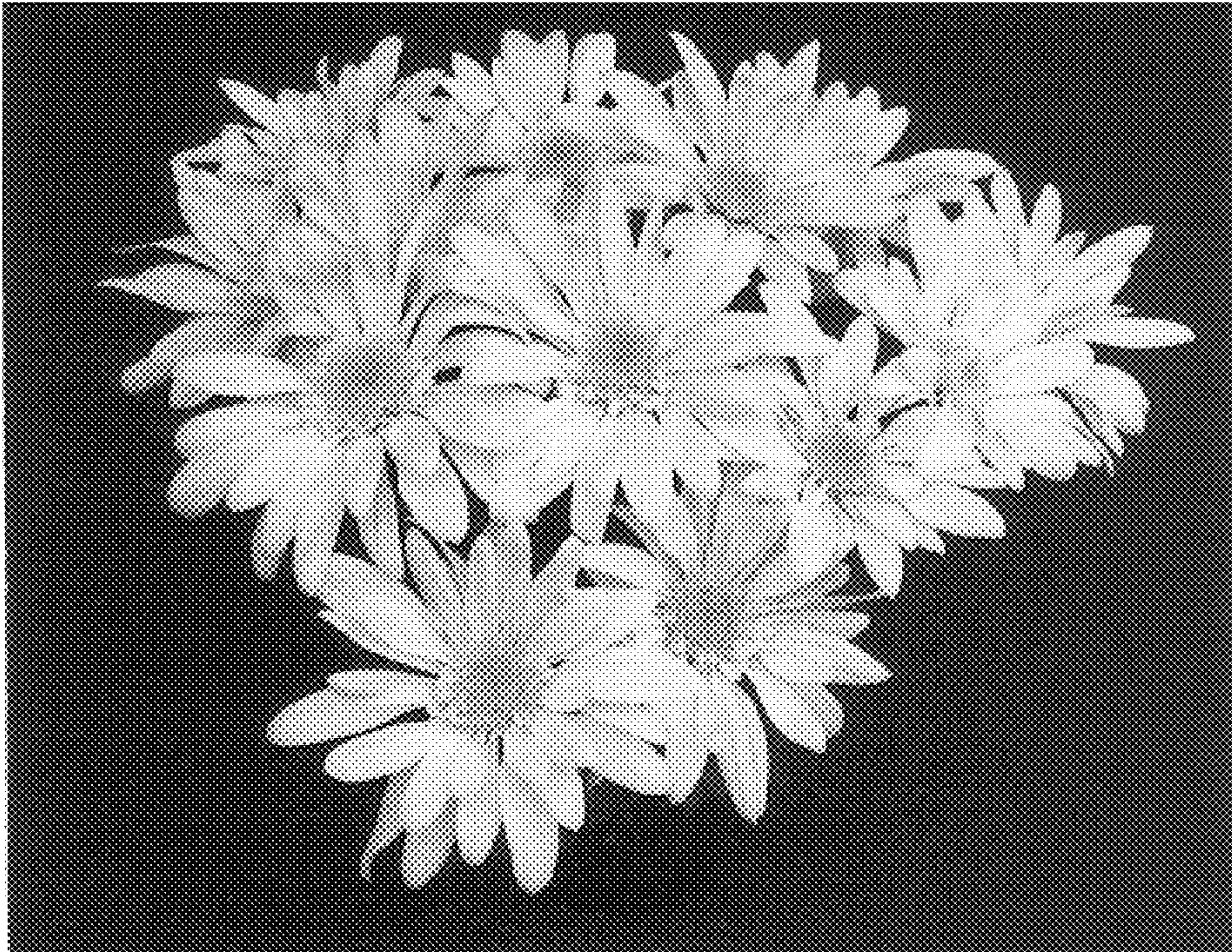
Seed production: Seed production has not been observed.

It is claimed:

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

\* \* \* \* \*







UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : PP 12,512 P2  
DATED : April 2, 2002  
INVENTOR(S) : Vandenberg et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item [\*] Notice, delete the phrase "by 0 days" and insert -- by 20 days --

Signed and Sealed this

Eighteenth Day of May, 2004

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large, looped initial "J" and a cursive "Dudas".

---

JON W. DUDAS  
*Acting Director of the United States Patent and Trademark Office*