



(12) **United States Plant Patent**  
**Van Zanten**

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(54) **CHRYSANTHEMUM PLANT NAMED ‘GG GOBI 08’**

(50) Latin Name: *Chrysanthemum morifolium*  
Varietal Denomination: **GG GOBI 08**

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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct *Chrysanthemum* plant cultivar is disclosed, characterized by small anemone-type inflorescences, consistent flowering response to short days, blooming consistently after 51 days of short day length, pure white ray florets; a yellow disc with a green eye, and a free branching habit.

**1 Drawing Sheet**

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Latin name of the genus and species: *Chrysanthemum morifolium*.

Variety denomination: GG GOBI 08.

**BACKGROUND OF THE INVENTION**

The new cultivar ‘GG GOBI 08’ is a product of a cross between the male parent ‘Davis’ (U.S. Plant Pat. No. 7,325) and the female parent ‘TTI101’ (unpatented). The new cultivar was discovered and selected by Leo Van Zanten in August of 2003 in Oxnard, Calif.

Asexual reproduction of the new cultivar ‘GG GOBI 08’ by terminal cuttings was performed in Oxnard, Calif., and has shown that the unique features of this new cultivar are stable and reproduced true to type on successive generations.

**SUMMARY OF THE INVENTION**

The cultivar ‘GG GOBI 08’ 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 ‘GG GOBI 08.’ These characteristics in combination distinguish ‘GG GOBI 08’ as a new and distinct *Chrysanthemum* cultivar:

1. Small, white anemone-type inflorescences;
2. Yellow disc with a green eye;
3. Free branching habit; and
4. Consistent flowering response to short days, blooming consistently after 51 days of short day length.

Plants of the new cultivar ‘GG GOBI 08’ are similar to plants of the male parent variety, ‘Davis’ in most horticultural characteristics, however plants of the new cultivar ‘GG GOBI 08’ have a larger plant spread. Also, the new cultivar ‘GG GOBI 08’ has a smaller inflorescence diameter and longer inflorescence longevity. Additionally, the ray florets of ‘GG GOBI 08’ are a different color than the male parent. Finally, ‘GG GOBI 08’ has a shorter response time.

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Plants of the new cultivar ‘GG GOBI 08’ are similar to plants of the female parent variety, ‘TTI101’ in most horticultural characteristics, however plants of the new cultivar ‘GG GOBI 08’ are shorter but have a wider plant spread. Also, the new cultivar ‘GG GOBI 08’ has a smaller inflorescence diameter. Additionally, the ray florets of ‘GG GOBI 08’ are white compared to the yellow ray florets of the female parent. Finally, ‘GG GOBI 08’ has a shorter response time.

In comparison to the commercially available variety ‘Tasman’ (not patented in the United States), ‘GG GOBI 08’ is shorter and wider. Additionally, the new variety ‘GG GOBI 08’ has a smaller inflorescence diameter and more pure white ray florets. Further, the new variety ‘GG GOBI 08’ has a more consistently yellow disc with a green heart, compared to the mostly darker green disc of the comparable variety. Finally, ‘GG GOBI 08’ has longer inflorescence longevity.

**BRIEF DESCRIPTION OF THE PHOTOGRAPH**

The accompanying photograph in FIG. 1 illustrates in full color a typical plant of ‘GG GOBI 08’ grown in a 6 inch container. One cutting was used in the pot, planted mid May and grown under outdoor field conditions. The colors are as nearly true as is reasonably possible in a color representation of this type.

**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 ‘GG GOBI 08’ plants grown in Oxnard, Ventura County, Calif., during the months of May through October 2006. The growing temperature ranged from 12° C. to 15° C. at night to 12° C. to 20° C. during the day. Measurements and numerical values represent averages of typical flowering types.

Botanical classification: *Chrysanthemum morifolium* cultivar ‘GG GOBI 08.’

Commercial classification: Pot-type *Chrysanthemum*.



## PROPAGATION

Time to rooting: 7 to 14 days at approximately 21° C.  
Root description: Fine, fibrous.

## PLANT

Growth habit: Mounding herbaceous perennial.  
Height: Approximately 30 cm.  
Plant spread: Approximately 42 cm.  
Growth rate: Moderate.  
Branching characteristics: Free Branching.  
Length of lateral branches: Approximately 26 cm.  
Number of leaves per lateral branch: Approximately 30.  
Age of plant described: Approximately 103 days.

## FOLIAGE

## Leaf:

*Arrangement*.—Alternate single.  
*Average length*.—Approximately 4.5 cm.  
*Average width*.—Approximately 3.9 cm.  
*Shape of blade*.—Ovate.  
*Apex*.—Acuminate.  
*Base*.—Attenuate.  
*Attachment*.—Stalked.  
*Margin*.—Palmately lobed, sinuses between lateral lobes parallel to divergent.  
*Texture of top surface*.—Lightly pubescent.  
*Texture of bottom surface*.—Lightly pubescent.  
*Leaf internode length*.—Approximately 1.3 cm.  
*Color*.—Young foliage upper side: Near Green 139A. Young foliage under side: Near Green 137B. Mature foliage upper side: Near Green 137A. Mature foliage under side: Near Green 137B.  
*Venation*.—Type: Palmately net. Venation color upper side: Near Green 137C. Venation color under side: Near Green 137C.

## Petiole:

*Average length*.—Approximately 1.4 cm.  
*Color*.—Near Green 138B.  
*Diameter*.—Approximately 0.3 cm.

## BLOOM

## Inflorescence:

*Flowering habit*.—Induced by darkness period greater than 13.5 hours, approximately 49 days of appropriate day length required to induce and develop blooms.  
*Inflorescence form*.—Anemone.  
*Number of inflorescences per lateral branch*.—Approximately 18.  
*Inflorescence diameter*.—Approximately 4.2 cm.  
*Inflorescence depth*.—Approximately 1.2 cm.  
*Inflorescence longevity on plant*.—Approximately 35 to 42 days.  
*Persistence*.—Persistent.  
*Fragrance*.—None detected.

## Ray florets:

*Appearance*.—Matte.  
*Texture*.—Smooth.  
*Average number of ray florets per inflorescence*.—15.  
*Average number of whorls*.—2.  
*Shape*.—Oblanceolate.  
*Aspect*.—Flat.  
*Margin*.—Entire.

*Apex*.—Obtuse.

*Length*.—Approximately 2.1 cm.

*Width*.—Approximately 0.8 cm.

*Color*.—Upper surface at first opening: Near White 155B with shades of Green-White 157B. Upper surface at maturity: Near White 155B. Upper surface at fading: Near White 155A. Under surface at first opening: Near White 155B with shades of Green-White 157B. Under surface at maturity: Near White 155B. Under surface at fading: Near White 155A.

## Disc florets:

*Appearance*.—Shiny.

*Texture*.—Smooth.

*Average number of florets per disc*.—Approximately 170.

*Shape*.—Cylindric.

*Apex*.—Obtuse.

*Average length*.—Approximately 0.2 cm.

*Average width*.—Approximately 0.1 cm.

*Color*.—At first opening: Near Yellow-Green 154D. At maturity: Near Yellow-Green 154A at center and near Yellow 9A at edge. At fading: Near Yellow-Green 154A at center and near Yellow 9A at edge.

## Peduncle:

*Length*.—At terminal end (shortest): Approximately 3.8 cm. At lateral end (longest): Approximately 5.8 cm.

*Angle to stem*.—Acute.

*Strength*.—Moderate.

*Color*.—Near Green 137C.

*Habit*.—Upright.

*Diameter*.—Approximately 0.2 cm.

*Surface texture*.—Lightly pubescent.

## Inflorescence bud:

*Length*.—Approximately 0.5 cm.

*Diameter*.—Approximately 0.7 cm.

*Form*.—Globular.

*Color*.—Near Yellow-Green 154D.

## Involucral bracts (phyllaries):

*Appearance*.—Matte.

*Texture*.—Lightly pubescent.

*Number*.—Approximately 23.

*Shape*.—Lanceolate.

*Margin*.—Entire.

*Apex*.—Obtuse.

*Length*.—Approximately 0.5 cm.

*Width*.—Approximately 0.2 cm.

*Color*.—Upper side: Near Green 137A. Under side: Near Green 137A.

## REPRODUCTIVE ORGANS

## Ray florets:

*Number of pistils per floret*.—1.

*Stigma shape*.—2 branched.

*Stigma color*.—Near Yellow 9A.

*Style color*.—Near Yellow-Green 154C.

*Style length*.—Approximately 0.3 cm.

*Stamens*.—Absent.

## Disc florets:

*Number of pistils per floret*.—1.

*Stigma shape*.—Cylindric.

*Stigma color*.—Near Yellow 9A.

*Style length*.—Approximately 0.1 cm.

*Style color*.—Near Yellow-Green 154B.

*Number of stamens per floret*.—Approximately 5.

*Anther shape.*—Tubular.  
*Anther color.*—Near Yellow 9B.  
*Pollen color.*—No pollen detected.

OTHER CHARACTERISTICS

Disease resistance: Neither resistance nor susceptibility to diseases or pests has been observed in this variety.  
Drought tolerance/cold tolerance: Flowering plants are hardy to low temperatures about −2° C. Non-flowering plants are hardy in the approximate range of 3° C. to −6° C., depend-

ing upon duration of cold and amount of moisture in the soil. With adequate water plants are hardy to a high temperature of 45° C.  
Fruit/seed production: Commercially, this plant is not used or observed in a stage where seeds would be produced. Therefore, seed production has not been observed.

What is claimed is:  
1. A new and distinct cultivar of *Chrysanthemum* plant named GG GOBI 08 as herein illustrated and described.

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