



US00PP21421P2

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

(10) **Patent No.:** **US PP21,421 P2**  
(45) **Date of Patent:** **Oct. 26, 2010**

(54) **CHRYSANTHEMUM PLANT NAMED ‘WHITE YOMISTIQUE’**

(50) Latin Name: *Chrysanthemum*×*morifolium*  
Varietal Denomination: **White Yomistique**

(75) Inventor: **Wendy Bergman**, Lehigh Acres, FL  
(US)

(73) Assignee: **Syngenta Crop Protection AG**, Basel  
(CH)

(\*) 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.: **12/586,553**

(22) Filed: **Sep. 24, 2009**

(51) **Int. Cl.**  
*A01H 5/00* (2006.01)

(52) **U.S. Cl.** ..... **Plt./294**

(58) **Field of Classification Search** ..... **Plt./294**  
See application file for complete search history.

*Primary Examiner*—Annette H Para

(74) *Attorney, Agent, or Firm*—S. Matthew Edwards

(57) **ABSTRACT**

A new *Chrysanthemum* plant named ‘White Yomistique,’ particularly distinguished by the small single white ray florets, compact and short, uniform habit with excellent branching, and dark, glossy small foliage.

**1 Drawing Sheet**

**1**

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

Varietal denomination: ‘White Yomistique’.

**BACKGROUND OF THE NEW PLANT**

The present invention comprises a new *Chrysanthemum*, botanically known as *Chrysanthemum*×*morifolium*, and hereinafter referred to by the variety name ‘White Yomistique’.

The new cultivar has small single white ray florets, compact and short, uniform habit with excellent branching and dark, glossy small foliage.

‘White Yomistique’ is a product of a planned breeding program. ‘White Yomistique’ originates as a natural whole plant mutation of ‘Frosty Yomistique,’ U.S. Plant Pat. No. 20,224. ‘White Yomistique’ was discovered and selected by the inventor as a single flowering plant within a population of the parent cultivar, grown outdoors in a field covered by saran in Fort Myers, Fla., in February, 2007. The parent cultivar ‘Frosty Yomistique’ has white with a slight pink hue flower color and lighter foliage color.

The first act of asexual reproduction of ‘White Yomistique’ was accomplished when vegetative cuttings were propagated from the initial selection in May 2007 in a controlled environment in Fort Myers, Fla.

Horticultural examination of plants grown from cuttings of the plant initiated in May 2007, and continuing thereafter, has demonstrated that the combination of characteristics as herein disclosed for ‘White Yomistique’ are firmly fixed and are retained through successive generations of asexual reproduction. ‘White Yomistique’ has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in environment such as temperature, light intensity and day length.

A Plant Breeder’s Right for this cultivar was applied for in Canada in October 2008. ‘White Yomistique’ has not been made publicly available more than one year prior to the filing of this application.

**2**

**BRIEF DESCRIPTION OF THE PHOTOGRAPHS**

The accompanying photographic drawing shows typical flower and growth habit characteristics of ‘White Yomistique’ with colors being as true as possible with an illustration of this type.

The photographic drawing shows 3 flowering potted plants of the new variety, with a close-up of the flowers.

**DETAILED BOTANICAL DESCRIPTION**

The plant descriptions, measurements and aforementioned photographs were taken in Gilroy, Calif. in May 2009 under greenhouse conditions. The plants were started and grown in central coastal California, then shipped to Gilroy, Calif. in April 2009. Plants were grown under conditions which approximate those generally used in commercial potted *Chrysanthemum* production and were about 9-10 weeks of age.

Color references are made to The Royal Horticultural Society Colour Chart (R.H.S.) 2001.

**BRIEF SUMMARY OF THE INVENTION**

The following traits have been repeatedly observed and are determined to be basic characteristics of the new variety. The combination of these characteristics distinguishes this *Chrysanthemum* as a new and distinct variety.

**TABLE 1**

DIFFERENCES BETWEEN THE NEW VARIETY ‘SUNNY YOMISTIQUE’ AND A SIMILAR VARIETY		
	‘White Yomistique’	‘Yosylvie’ (U.S. Plant Pat. No. 13,035)
Foliage color	Dark green	Medium green
Flower color	White	White with a touch of pink
Flower size and quantity	Larger/fewer	Smaller/more

Plant:

*Form, growth and habit.*—Herbaceous pot-type, short and compact habit, stems upright and outwardly spreading, freely branching.

- Plant height.*—14-15 cm.  
*Plant height (inflorescence included).*—15-17 cm.  
*Plant width.*—12-13 cm.  
*Quantity of short days to flowering (response time).*—  
 39-42 days.
- Roots:  
*Number of days to initiate roots.*—About 4 days at about  
 22 degrees C.  
*Number of days to produce a rooted cutting.*—About 10  
 days at 22 degrees C.  
*Type.*—Fine, fibrous, free branching.  
*Color.*—RHS N155B but whiter.
- Foliage:  
*Arrangement.*—Alternate, simple.  
*Immature, leaf color, upper surface.*—Closest to RHS 137A.  
*Lower surface.*—Closest to RHS 146B.  
*Mature, leaf color, upper surface.*—Closest to RHS 137A.  
*Lower surface.*—Closest to RHS 146B.  
*Length.*—5.4-5.7 cm.  
*Width.*—3.1-3.3 cm.  
*Shape.*—Ovate.  
*Base shape.*—Attenuate.  
*Apex shape.*—Acute.  
*Margin.*—Palmately lobed; slightly serrate.  
*Texture, upper surface.*—Bi-fid T-shaped hairs.  
*Lower surface.*—Bi-fid T-shaped hairs.  
*Color of veins, upper surface.*—Closest to RHS 146B.  
*Color of veins, lower surface.*—Closest to RHS 146B.  
*Petiole color.*—Closest to RHS 146B.  
*Length.*—1.4-1.6 cm.  
*Diameter.*—0.2-0.25 cm.  
*Texture.*—Bi-fid T-shaped hairs.
- Stem:  
*Quantity of main branches per plant.*—3-4, then with  
 lots of secondary.  
*Quantity of leaves per branch.*—4-6.  
*Color of stem.*—Closest to RHS 146B, but can appear  
 lighter with all the bi-fid hairs.  
*Length of stem.*—8.5-9.0 cm.  
*Diameter.*—0.2 cm.  
*Length of internodes.*—0.7-1.2 cm.  
*Texture.*—Bi-fid T-shaped hairs.  
*Color of peduncle.*—Closest to RHS 146B.  
*Length of peduncle.*—4.2-4.8 cm.  
*Peduncle diameter.*—0.2-0.25 cm.  
*Texture.*—Bi-fid T-shaped hairs.
- Inflorescence:  
*Type.*—Composite type, solitary inflorescences (daisy  
 type) borne terminally above foliage, ray florets  
 arranged acropetally on a capitulum.  
*Blooming habit.*—Excellent year round performance.  
*Quantity of inflorescences per plant.*—14-17.  
*Lastingness of individual blooms on the plant.*—About  
 35 days.  
*Fragrance.*—Slight.
- Bud (just before opening/showing color):  
*Color.*—RHS 155D but whiter.  
*Length.*—0.6-0.8 cm.  
*Width.*—0.9-1.1 cm.  
*Shape.*—Oblate.

- Immature inflorescence:  
*Diameter.*—2.6-3.0 cm.  
*Color of ray florets, upper surface.*—RHS 155D but  
 whiter.  
 5 *Lower surface.*—RHS 155D but whiter with RHS 1B  
 basally.
- Mature inflorescence:  
*Diameter.*—3.6-3.8 cm.  
*Total diameter of 'disc'.*—1.5-1.6 cm.
- 10 Ray florets:  
*Quantity of florets.*—20-26.  
*Color of florets, upper surface.*—RHS 155D but whiter.  
*Lower surface.*—RHS 155D but whiter with RHS 1B  
 basally.  
 15 *Length.*—1.6-1.8 cm.  
*Width.*—0.5-0.6 cm.  
*Shape.*—Oblong to elliptical.  
*Apex shape.*—Praemorse.  
*Margin.*—Entire.  
 20 *Texture, upper surface.*—Papillose.  
*Lower surface.*—Papillose.
- Disc florets:  
*Average quantity of florets.*—About 150.  
*Color of florets.*—RHS 6B; RHS 9A apex.  
 25 *Length.*—0.5 cm.  
*Width.*—0.1 cm.  
*Shape.*—Tubular, elongated.  
*Apex shape.*—Acute, 5 pointed.
- Phyllaries:  
 30 *Quantity.*—16-20.  
*Color, upper surface.*—Mostly RHS 146B with few  
 patches of RHS 146A.  
*Lower surface.*—RHS 146A to RHS 146B.  
*Length.*—0.5-0.6 cm.  
 35 *Width.*—0.2 cm.  
*Shape.*—Lanceolate.  
*Apex shape.*—Acute.  
*Based.*—Fused.  
*Margins.*—Entire.  
*Texture.*—Bi-fid T-shaped hairs.
- Reproductive organs:  
*Pistil.*—1.  
*Length.*—0.6-0.7 cm.  
*Style color.*—RHS 1B.  
 45 *Style length.*—0.5 cm.  
*Stigma color.*—RHS 13A.  
*Stigma shape.*—Bi-parted.  
*Ovary color.*—RHS 155C.  
*Stamens.*—1.  
 50 *Color of filaments.*—RHS 1C.  
*Length filaments.*—0.3 cm.  
*Anther color.*—RHS 13B.  
*Color of pollen.*—RHS 14A.  
*Pollen amount.*—Scarce.  
 55 *Fertility/seed set.*—Has not been observed on this  
 hybrid.
- Disease/pest resistance: Disease resistance or susceptibility  
 has not been observed on this hybrid.
- What is claimed is:  
 60 1. A new and distinct variety of *Chrysanthemum* plant  
 named 'White Yomistique,' substantially as illustrated and  
 described herein.

