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Pieters

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- (54) **CHRYSANTHEMUM PLANT NAMED ‘PPP LETN 09’**
- (50) Latin Name: *Chrysanthemum morifolium*
Varietal Denomination: **PPP LETN 09**
- (75) Inventor: **Dirk Pieters**, Oostnieuwkerke (BE)
- (73) Assignee: **Paraty BVBA**, Oostnieuwkerke (BE)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 5 days.
- (21) Appl. No.: **12/462,284**
- (22) Filed: **Aug. 1, 2009**
- (51) **Int. Cl.**
A01H 5/00 (2006.01)
- (52) **U.S. Cl.** **Plt./289**
- (58) **Field of Classification Search** **Plt./289**
See application file for complete search history.

- (56) **References Cited**
U.S. PATENT DOCUMENTS
PP10,215 P * 1/1998 Pieters Plt./289
PP13,796 P3 * 5/2003 Pieters Plt./290
PP17,000 P2 * 8/2006 Pieters Plt./295

* cited by examiner
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(57) **ABSTRACT**
A new and distinct *Chrysanthemum* plant cultivar is disclosed, characterized by large decorative type inflorescences, consistent flowering response to short days, blooming consistently after 49 days of short day length, yellow ray florets, free branching habit, and a consistent natural season flowering habit during the first week of September.

1 Drawing Sheet

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Latin name of the genus and species: *Chrysanthemum morifolium*.
Variety denomination: ‘PPP LETN 09’.

BACKGROUND OF THE INVENTION

The new cultivar ‘PPP LETN 09’ is a product of a cross between the male parent ‘GEDI ONE NOV’ (U.S. Plant Pat. No. 13,796) and the female parent ‘DARK VERIA’ (U.S. Plant Pat. No. 10,215). The new cultivar was discovered and selected by Dirk Pieters in October of 2001 in a greenhouse in Oostnieuwkerke, Belgium.

Asexual reproduction of the new cultivar ‘PPP LETN 09’ by terminal cuttings was performed in Oostnieuwkerke, Belgium and 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 ‘PPP LETN 09’ 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 ‘PPP LETN 09.’ These characteristics in combination distinguish ‘PPP LETN 09’ as a new and distinct *Chrysanthemum* cultivar:

1. Large, yellow, decorative-type inflorescences;
2. Consistent natural season flowering habit during the first week of September;
3. Free branching habit; and
4. Consistent flowering response to short days, blooming consistently after 49 days of short day length.

Plants of the new cultivar ‘PPP LETN 09’ are similar to plants of the male parent variety, ‘GEDI ONE NOV’ in most

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horticultural characteristics, however plants of the new cultivar ‘PPP LETN 09’ are shorter. Also, the new cultivar ‘PPP LETN 09’ has a smaller inflorescence diameter and longer inflorescence longevity. Additionally, the ray florets of ‘PPP LETN 09’ are a different color than the male parent. Finally, ‘PPP LETN 09’ naturally blooms a week later than the male parent ‘GEDI ONE NOV’.

Plants of the new cultivar ‘PPP LETN 09’ are similar to plants of the female parent variety, ‘DARK VERIA’ in most horticultural characteristics, however plants of the new cultivar ‘PPP LETN 09’ are taller and have a wider plant spread. Also, the new cultivar ‘PPP LETN 09’ has a larger inflorescence diameter. Additionally, the ray florets of ‘PPP LETN 09’ are a different color yellow than the female parent. Finally, ‘PPP LETN 09’ naturally blooms two to three weeks earlier than the female parent ‘DARK VERIA’.

In comparison to the commercially available variety ‘Gedi Three Pyel’ (U.S. Plant Pat. No. 17,000), ‘PPP LETN 09’ is shorter and has a smaller plant spread. Additionally, the new variety ‘PPP LETN 09’ has a smaller inflorescence diameter and more orange-yellow ray florets. Further, the new variety ‘PPP LETN 09’ blooms one week later than the comparable variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying photograph in the drawing illustrates in full color a typical plant of ‘PPP LETN 09’ grown in a 2 gallon 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 'PPP LETN 09' plants grown in Oxnard, Ventura County, California, 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 'PPP LETN 09'.

Commercial classification: Garden-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 18 cm.

Plant spread: Approximately 30 cm.

Growth rate: Moderate.

Branching characteristics: Free Branching.

Length of lateral branches: Approximately 14 cm.

Number of leaves per lateral branch: Approximately 28.

Age of plant described: Approximately 137 days.

FOLIAGE

Leaf:

Arrangement.—Alternate single.

Average length.—Approximately 5.1 cm.

Average width.—Approximately 4.5 cm.

Shape of blade.—Ovate.

Apex.—Acuminate.

Base.—Attenuate.

Attachment.—Stalked.

Margin.—Serrate.

Texture of top surface.—Lightly pubescent.

Texture of bottom surface.—Lightly pubescent.

Leaf internode length.—Approximately 0.6 cm.

Color.—Young foliage upper side: Near Yellow-Green 147A. Young foliage under side: Near Yellow-Green 147B. Mature foliage upper side: Near Yellow-Green 147A. Mature foliage under side: Near Yellow-Green 147B.

Venation.—Type: Palmately net. Venation color upper side: Near Green 138B. Venation color under side: Near Green 138B.

Petiole:

Average length.—Approximately 1.2 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.—Decorative.

Natural flowering season.—Approximately the third week in September.

Number of inflorescences per lateral branch.—Approximately 8.

Inflorescence diameter.—Approximately 5 cm.

Inflorescence depth.—Approximately 1.8 cm.

Inflorescence longevity on plant.—Approximately 28 to 34 days.

Persistence.—Persistent.

Ray florets:

Appearance.—Matte.

Texture.—Smooth.

Average number of ray florets per inflorescence.—202.

Shape.—Oblanceolate.

Aspect.—Flat.

Margin.—Entire.

Apex.—Obtuse.

Length.—Approximately 1.9 cm.

Width.—Approximately 0.6 cm.

Color.—Upper surface at first opening: Near Yellow 14A. Upper surface at maturity: Near Yellow 13A. Upper surface at fading: Near Yellow 13C. Under surface at first opening: Near Yellow 14A. Under surface at maturity: Near Yellow 13A. Under surface at fading: Near Yellow 13C.

Disc florets:

Appearance.—Shiny.

Texture.—Smooth.

Average number of florets per disc.—Approximately 5.

Shape.—Cylindric.

Apex.—Obtuse.

Average length.—Approximately 0.2 cm.

Average width.—Approximately 0.1 cm.

Color.—At first opening: Near Yellow-Green 154C. At maturity: Near Yellow 13A. At fading: Near Yellow 13A.

Peduncle:

Length.—At terminal end (shortest): Approximately 2 cm. At lateral end (longest): Approximately 5.9 cm.

Angle to stem.—Acute.

Strength.—Moderate.

Color.—Near Green 138C.

Habit.—Upright.

Diameter.—Approximately 0.2 cm.

Surface texture.—Lightly pubescent.

Inflorescence bud:

Length.—Approximately 0.6 cm.

Diameter.—Approximately 0.4 cm.

Form.—Globose.

Color.—Near Yellow 13A.

Involucral bracts (phyllaries):

Appearance.—Matte.

Texture.—Lightly pubescent.

Number.—Approximately 30.

Shape.—Lanceolate.

Margin.—Entire.

Apex.—Obtuse.

Length.—Approximately 0.5 cm.

Width.—Approximately 0.2 cm.

Color.—Upper side: Near Green 138B. Under side: Near Green 138B.

REPRODUCTIVE ORGANS

Ray florets:

Number of pistils per floret.—1.

Stigma shape.—2 branched.

Stigma color.—Near Yellow 9A.

Style color.—Near Green-Yellow 1D.

Style length.—Approximately 0.3 cm.
Stamens.—Absent.

Disc florets:

Number of pistils per floret.—1.
Stigma shape.—Cylindric.
Stigma color.—Near Yellow 13A.
Style length.—Approximately 0.2 cm.
Style color.—Near Green-Yellow 1D.
Number of stamens per floret.—Approximately 5.
Anther shape.—Tubular.
Anther color.—Near Yellow 13A.
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., depending upon duration of cold and amount of moisture in the soil. With adequate water plants are hardy to a high temperature of 45° C.

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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.

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What is claimed is:

1. A new and distinct cultivar of *Chrysanthemum* plant named 'PPP LETN 09' as herein illustrated and described.

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