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(54) ***DAHLIA* PLANT NAMED 'BALDAMINPEC'**

(50) Latin Name: ***Dahlia variabilis***
Varietal Denomination: **Baldaminpec**

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(57) **ABSTRACT**

A new and distinct cultivar of *Dahlia* plant named 'Baldaminpec', characterized by its semi-double, daisy-type light orange-yellow and dark reddish-orange colored inflorescences, dark green-colored foliage, low growth vigor, and compact growth habit, is disclosed.

1 Drawing Sheet

Latin name of genus and species of plant claimed: *Dahlia variabilis*.

Variety denomination: 'Baldaminpec'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Dahlia* plant botanically known as *Dahlia variabilis* and hereinafter referred to by the cultivar name 'Baldaminpec'.

The new cultivar originated in a controlled breeding program in Hem, The Netherlands during August 2012. The objective of the breeding program was the development of *Dahlia* cultivars that are freely flowering with large inflorescences, early-season flower timing, and a moderately vigorous, compact-mounded growth habit.

The new *Dahlia* cultivar is the result of cross pollination. The female (seed) parent of the new cultivar is the proprietary *Dahlia variabilis* breeding selection coded 10915, not patented, characterized by its semi-double, daisy-type, light orange-colored inflorescences, medium green-colored foliage, low growth vigor, and compact growth habit. The male (pollen) parent of the new cultivar is the proprietary *Dahlia variabilis* breeding selection coded 5906G, not patented, characterized by its single-type, light red-colored inflorescences, medium green-colored foliage, low growth vigor, and compact growth habit. The new cultivar was discovered as a single flowering plant within the progeny of the above stated cross pollination during July 2013 in a controlled environment in Hem, The Netherlands.

Asexual reproduction of the new cultivar by terminal stem cuttings since July 2013 in Hem, The Netherlands and Andijk, The Netherlands has demonstrated that the new cultivar reproduces true-to-type with all the characteristics, as herein described, firmly fixed and retained through successive generations of such asexual propagation.

SUMMARY OF THE INVENTION

The following characteristics of the new cultivar have been repeatedly observed and can be used to distinguish 'Baldaminpec' as a new and distinct cultivar of *Dahlia* plant:

1. Semi-double, daisy-type, light orange-yellow and dark reddish-orange colored inflorescences;
2. Dark green-colored foliage;
3. Low growth vigor; and
4. Compact growth habit.

Plants of the new cultivar differ from plants of the female parent primarily in having light orange-yellow and dark reddish-orange colored inflorescences. Plants of the new cultivar differ from plants of the male parent primarily in having semi-double, light orange-yellow and dark reddish-orange colored inflorescences.

Of the many commercially available *Dahlia* cultivars, the most similar in comparison to the new cultivar is LABELLA 'Piccollo Orange', not patented. However, in comparison, plants of the new cultivar differ from plants of 'Piccollo Orange' in at least the following characteristics:

1. Plants of the new cultivar have inflorescences that are more yellowish-pink colored than the orange-red colored inflorescences of plants of 'Piccollo Orange';
2. Plants of the new cultivar have lighter colored disc florets than plants of 'Piccollo Orange'; and
3. Plants of the new cultivar have shorter peduncles than plants of 'Piccollo Orange'.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographs show, as nearly true as it is reasonably possible to make the same in color illustrations of this type, typical flower and foliage characteristics of the new cultivar. Colors in the photographs differ slightly from the color values cited in the detailed description, which accurately describes the colors of 'Baldaminpec'. The 11-week-old plants were grown in 6.5-inch pots for 7 weeks in a glass-covered greenhouse in Hem, The Netherlands. Plants were given one pinch before transplant.

FIG. **1** illustrates a side view of the overall growth and flowering habit of 'Baldaminpec'.

FIG. **2** illustrates a close-up view of an individual inflorescence of 'Baldaminpec'.

DETAILED BOTANICAL DESCRIPTION

The new cultivar has not been observed under all possible environmental conditions to date. Accordingly, it is possible that the phenotype may vary somewhat with variations in the environment, such as temperature, light intensity, and day length, without, however, any variance in genotype.

The chart used in the identification of colors described herein is The R.H.S. Colour Chart of The Royal Horticultural Society, London, England, 2015 edition, except where general color terms of ordinary significance are used. The color values were determined in February 2021 under natural light conditions in Boskoop, The Netherlands.

The following descriptions and measurements describe 11-week-old plants produced from cuttings from stock plants and grown in a glass-covered greenhouse under conditions comparable to those used in commercial practice. The plants were grown in Hem, The Netherlands in 6.5-inch pots for 7 weeks utilizing a soilless growth medium. Plants were given one pinch before transplant. Three Daminozide treatments were applied: one at 2,500 ppm two weeks after transplant, a second at 3,000 ppm four weeks after transplant and a third at 3,500 ppm six weeks after transplant. Greenhouse temperatures were maintained at an average of approximately 64° F. (18° C.) during the day and approximately 61° F. (16° C.) during the night. Supplemental lighting was used. Measurements and numerical values represent averages of typical plants.

Botanical classification: *Dahlia variabilis* 'Baldaminpec'.

Parentage:

Female parent.—Proprietary *Dahlia variabilis* breeding selection coded 10915, not patented.

Male parent.—Proprietary *Dahlia variabilis* breeding selection coded 5906G, not patented.

Propagation:

Type cutting.—Terminal stem.

Time to initiate roots.—Approximately 8 to 10 days.

Time to produce a rooted cutting.—Approximately 18 to 25 days.

Root description.—Fine, fibrous.

Rooting habit.—Freely branching.

Plant description:

Commercial crop time.—Approximately 5 to 7 weeks from a rooted cutting to finish in a 15 cm pot.

Growth habit and general appearance.—Low growth vigor, compact.

Size.—Height from soil level to top of plant plane: Approximately 16.5 cm. Height from soil level to top of foliage: Approximately 15.6 cm. Width: Approximately 21.6 cm.

Branch.—Quantity of lateral branches per plant: Approximately 5. Strength: Moderately strong. Length of lateral branch: Approximately 7.8 cm. Diameter of lateral branch at central internode: Approximately 5.0 mm. Length of central internode of lateral branch: Approximately 9.0 mm. Texture: Glabrous. Color: 144A.

Foliage description:

General description.—Quantity of leaves per lateral branch: Approximately 18. Type: Simple and compound. Quantity of leaflets per compound leaf: Approximately 3, trifoliate. Fragrance: None detected. Arrangement: Opposite. Aspect: Petiole mostly perpendicular angle to stem with blade extending downward. Shape of leaf and leaflet: Ovate to elliptic. Margin of leaf and leaflet: Widely serrate. Apex of leaf and leaflet: Acute. Base of leaf and leaflet: Broadly attenuate, with terminal leaflet of trifoliate leaf sessile. Venation pattern: Pinnate.

Simple leaf.—Length: Approximately 7.4 cm. Width: Approximately 4.4 cm. Texture of upper and lower surfaces: Sparsely pubescent on venation. Color of upper surface: NN137A. Color of lower surface: Between 191A to 191B. Length of petiole: Approximately 2.3 cm. Diameter of petiole: Approximately 3.0 mm. Texture of upper and lower surfaces of petiole: Glabrous. Color of upper surface of petiole: 146B tinted with 152A. Color of lower surface of petiole: 146B.

Mature trifoliate leaf.—Shape: Ovate in outline. Length of mature trifoliate leaf: Approximately 8.8 cm. Width of mature trifoliate leaf: Approximately 7.4 cm. Length of terminal leaflet: Approximately 6.0 cm. Width of terminal leaflet: Approximately 3.0 cm. Length of lateral leaflet: Approximately 4.0 cm. Width of lateral leaflet: Approximately 2.1 cm. Texture of upper and lower surfaces: Sparsely pubescent on venation. Color of upper surface: NN137A. Color of lower surface: Between 191A to 191B. Length of petiole of mature trifoliate leaf: Approximately 2.5 cm. Diameter of petiole of mature trifoliate leaf: Approximately 3.0 mm. Texture of upper and lower surfaces of petiole: Glabrous. Color of upper and lower surface of petiole: 146B.

Flowering description:

Flowering habit.—'Baldaminpec' is freely flowering under outdoor growing conditions with substantially continuous blooming from spring through autumn.

Lastingness of individual inflorescence on the plant.—Approximately 2 weeks.

Inflorescence description:

General description.—Type: Semi-double, daisy-type, composite, consisting of multiple rows or ray florets, and disc florets, persistent. Aspect: Facing upward and outward. Arrangement: Terminal, arising from leaf axils on strong peduncles positioned over the foliage. Disc and ray florets arranged acropetally on a capitulum. Quantity per plant: Approximately 7. Fragrance: None. Shape: Hemispherical when ray florets are fully open. Inflorescence diameter: Approximately 5.0 cm. Inflorescence depth: Approximately 2.2 cm. Disc diameter: Approximately 1.2 cm. Receptacle diameter at base: Approximately 7.0 mm. Receptacle depth: Approximately 2.0 mm. Receptacle color: 145B.

Peduncle.—Strength: Strong. Aspect: Erect. Length: Approximately 5.8 cm. Diameter: Approximately 2.0 mm. Texture: Glabrous. Color: 148A tinted with N199A.

Bud.—Rate of bud opening: Generally takes 2 weeks for bud to progress from first color to fully open flower. Quantity per plant: Approximately 18.

Bud just before opening.—Shape: Oblate. Depth at first color: Approximately 9.0 mm. Diameter at first color: Approximately 1.1 cm. Texture: Glabrous.

Color: Outer surface of the phyllaries N144A with base of 143A to 143B and immature ray florets of 22A.

Ray florets.—Quantity per inflorescence: Approximately 38. Arrangement: Imbricate, in multiple whorls. Aspect: Moderately concave. Shape: Obovate to elliptic. Margin: Entire. Apex: Apiculate, to three acute tips. Base: Attenuate. Appearance: Matte. Length: Approximately 2.0 cm. Width: Approximately 1.1 cm. Texture of upper surface: Glabrous. Texture of lower surface: Glabrous, ribbed. Color of upper surface when first and fully open: 22D and 23D with approximately lower third of 33A. Color of lower surface when first and fully open: 15D with approximately lower third of 26C. Color of upper surface before senescence: 9C with approximately lower third of 32A. Color of lower surface before senescence: 10A with approximately lower third tinted with 26C.

Disc florets.—Quantity per inflorescence: Approximately 60. Arrangement: Massed in center of inflorescence. Aspect: Erect. Shape: Tubular. Margin: Entire. Apex: 5 acute tips. Base: Fused. Length: Approximately 9.0 mm. Diameter at apex: Approximately 2.0 mm. Diameter at base: Approximately 1.0 mm. Texture: Glabrous. Color when fully open: N34A with 145D at midpoint to base, translucent.

Outer phyllaries.—Quantity: Approximately 5 to 6. Aspect: Flat, perpendicular to peduncle. Shape: Narrowly elliptic. Margin: Entire. Apex: Acute. Base: Truncate. Length: Approximately 1.5 cm. Width: Approximately 5.0 mm. Texture of upper and lower surfaces: Glabrous. Color of upper surface: 137A. Color of lower surface: 137B.

Inner phyllaries.—Quantity: Approximately 1 per floret. Shape: Linear, imbricate. Margin: Entire. Apex: Broadly acute to obtuse. Base: Truncate. Length of outermost: Approximately 1.0 cm. Width of outermost: Approximately 4.0 mm. Length of innermost: Approximately 8.0 mm. Width of innermost: Approximately 3.0 mm. Texture of upper and lower surfaces: Glabrous. Color of upper and lower surfaces: 150B, translucent with 143A at base of outermost.

Reproductive organs.—Androecium: On disc florets. Stamen quantity: 5 per floret. Stamen length: Approximately 6.0 mm. Anther shape: Linear. Anther length: Approximately 2.0 mm. Anther color: 14B. Pollen amount: Sparse. Pollen color: 15A. Gynoecium: On disc and ray florets. Pistil length: Approximately 6.0 mm. Stigma shape: 2 branched. Stigma length: Approximately 1.5 mm. Stigma width: Approximately 3.0 mm. Stigma color: 14B. Style length: Approximately 4.5 mm. Style color: 144B. Ovary length: Approximately 2.0 mm. Ovary color: 145C.

Seed and fruit production: Neither seed nor fruit production has been observed.

Disease and pest resistance: Resistance to pathogens and pests common to *Dahlia* has not been observed.

What is claimed is:

1. A new and distinct cultivar of *Dahlia* plant named 'Baldaminpec', substantially as herein illustrated and described.

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FIG. 1

FIG. 2