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Gitzels

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(54) **DAHLIA PLANT NAMED ‘BALDADENDRE’**

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

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(52) **U.S. Cl.**

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(58) **Field of Classification Search**

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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of *Dahlia* plant named ‘Balda-
dendre’, characterized by its double-type, dark red-colored
inflorescences, medium green-colored foliage, and vigorous,
upright-mounded growth habit, is disclosed.

1 Drawing Sheet

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

Variety denomination: ‘Baldadendre’.

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 ‘Baldadendre’.

The new cultivar originated in a controlled breeding
program in Hem, The Netherlands during the summer of
2015. The objective of the breeding program was the devel-
opment of *Dahlia* cultivars that are freely flowering with
large inflorescences, mid-season flower timing, and a vig-
orous, upright-mounded growth habit.

The new *Dahlia* cultivar is the result of open pollination.
The female (seed) parent of the new cultivar is DAHL-
INOVA HYPNOTICA ‘Dark Knight’, not patented, charac-
terized by its double type, dark red-colored inflorescences,
medium green-colored foliage, and moderately vigorous,
upright-mounded growth habit. The male (pollen) parent of
the new cultivar is unknown. The new cultivar was discov-
ered as a single flowering plant within the progeny of the
above stated open pollination during July 2016 in a con-
trolled environment in Hem, The Netherlands.

Asexual reproduction of the new cultivar by terminal stem
cuttings since July 2016 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 suc-
cessive 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
‘Baldadendre’ as a new and distinct cultivar of *Dahlia* plant:

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1. Double-type, dark red-colored inflorescences;
2. Medium green-colored foliage; and
3. Vigorous, upright-mounded growth habit.

Plants of the new cultivar differ from plants of the female
parent primarily in having more ray florets per inflorescence
and increased growth vigor.

Of the many commercially available *Dahlia* cultivars, the
most similar in comparison to the new cultivar is HYP-
NOTICA Red ‘Dodahhynore 19’, U.S. Plant Pat. No.
31,596. However, in comparison, plants of the new cultivar
differ from plants of ‘Dodahhynore 19’ in at least the
following characteristics:

1. Plants of the new cultivar have darker red colored
inflorescences than the inflorescences of plants of
‘Dodahhynore 19’;
2. Plants of the new cultivar have more ray florets per
inflorescence than plants of ‘Dodahhynore 19’; and
3. Plants of the new cultivar have larger diameter inflo-
rescences than plants of ‘Dodahhynore 19’.

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 ‘Baldadendre’. The
14-week-old plants were grown in 6.5-inch pots for 10
weeks in a glass-covered greenhouse in Hem, The Nether-
lands. Plants were given one pinch before transplant.

FIG. 1 illustrates a side view of the overall growth and
flowering habit of ‘Baldadendre’.

FIG. 2 illustrates a close-up view of an individual inflo-
rescence of ‘Baldadendre’.

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 March 2021 under natural light conditions in Boskoop, The Netherlands.

The following descriptions and measurements describe 14-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 10 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* 'Baldadendre'.

Parentage:

Female parent.—DAHLINOVA HYPNOTICA 'Dark Knight', not patented.

Male parent.—Unknown.

Propagation:

Type cutting.—Terminal stem.

Time to initiate roots.—Approximately 9 to 12 days.

Time to produce a rooted cutting.—Approximately 25 to 32 days.

Root description.—Fine, fibrous.

Rooting habit.—Freely branching.

Tuber formation.—Not observed.

Plant description:

Commercial crop time.—Approximately 7 to 9 weeks from a rooted cutting to finish in a 15 cm pot.

Growth habit and general appearance.—Vigorous, upright-mounded.

Size.—Height from soil level to top of plant plane: Approximately 31.7 cm. Height from soil level to top of foliage: Approximately 28.6 cm. Width: Approximately 45.6 cm.

Branch.—Quantity of lateral branches per plant: Approximately 7. Strength: Moderately strong. Length of lateral branch: Approximately 19.2 cm. Diameter of lateral branch at central internode: Approximately 8.0 mm. Length of central internode of lateral branch: Approximately 3.4 cm. Texture: Sparsely pubescent. Color: 146B, strongly tinted with 152A towards the base.

Foliage description:

General description.—Quantity of leaves per lateral branch: Approximately 12. Type: Simple and compound. Quantity of leaflets per compound leaf: Approximately 3 or 5. Fragrance: None detected. Arrangement: Opposite. Aspect: Petiole mostly perpendicular angle to stem with blade extending downward. Shape of leaf and leaflet: Elliptic. Margin of leaf and leaflet: Widely serrate. Apex of leaf and leaflet: Acute. Base of leaf and leaflet: Broadly attenuate to rounded. Venation pattern: Pinnate.

Simple leaf.—Length: Approximately 10.4 cm. Width: Approximately 7.8 cm. Texture of upper and lower surfaces: Sparsely pubescent. Color of upper surface: NN137A blended with 147A. Color of lower surface: 191A to 191B. Length of petiole: Approximately 4.8 cm. Diameter of petiole: Approximately 3.0 mm. Texture of upper and lower surfaces of petiole: Glabrous. Color of upper surface of petiole: 146B with 137B. Color of lower surface of petiole: 146B.

Mature compound leaf.—Shape: Ovate in outline. Length of mature compound leaf: Approximately 18.5 cm. Width of mature compound leaf: Approximately 20.3 cm. Length of terminal leaflet: Approximately 13.4 cm. Width of terminal leaflet: Approximately 8.6 cm. Length of lateral leaflet: Approximately 10.6 cm. Width of lateral leaflet: Approximately 6.2 cm. Texture of upper and lower surfaces: Sparsely pubescent. Color of upper surface: NN137A blended with 147A, tinted with N186C at rachis attachment. Color of lower surface: 191A and 191B. Length of petiole of mature compound leaf: Approximately 5.4 cm. Diameter of petiole of mature compound leaf: Approximately 4.5 mm. Texture of upper and lower surfaces of petiole: Glabrous. Color of upper surface of petiole: 146B with 137B. Color of lower surface of petiole: 146B. Length of rachis: Approximately 4.2 cm. Diameter of rachis: Approximately 2.0 mm. Texture of upper and lower surfaces of rachis: Glabrous. Color of upper and lower surfaces of rachis: 146B.

Flowering description:

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

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

Inflorescence description:

General description.—Type: Double, composite, consisting of multiple rows or ray florets, and disc florets, persistent. Aspect: Facing upward and slightly 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 3. Fragrance: None. Shape: Hemispherical to near spherical when ray florets are fully open. Inflorescence diameter: Approximately 10.4 cm. Inflorescence depth: Approximately 7.4 cm. Disc diameter: Approximately 1.5 cm. Receptacle diameter at base: Approximately 1.2 cm. Receptacle depth: Approximately 3.0 mm. Receptacle color: 145B.

Peduncle.—Strength: Strong. Aspect: Erect. Length: Approximately 10.6 cm. Diameter: Approximately 3.5 mm. Texture: Glabrous. Color: 146B, 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 19.

Bud just before opening.—Shape: Oblate. Depth at first color: Approximately 1.6 cm. Diameter at first color: Approximately 2.1 cm. Texture: Glabrous. Color: Outer surface of the phyllaries N144A with base of 143C, and immature ray florets of N34A.

Ray florets.—Quantity per inflorescence: Approximately 140. Arrangement: Imbricate, in multiple

whorls. Aspect: Slightly concave. Shape: Obovate. Margin: Entire. Apex: Broadly acute to having up to 3 acute tips. Base: Attenuate. Appearance: Matte. Length: Approximately 5.0 cm. Width: Approximately 2.3 cm. Texture of upper surface: Glabrous. 5
Texture of lower surface: Sparsely pubescent on main veins, ribbed. Color of upper surface when first and fully open: 53A. Color of lower surface when first and fully open: 53A. Color of upper surface before senescence: N45A transitioning to 42A at 10
base. Color of lower surface before senescence: N45A transitioning to 45C at base.

Disc florets.—Quantity per inflorescence: Approximately 50. Arrangement: Massed in center of inflorescence. Aspect: Erect. Shape: Tubular. Margin: 15
Entire. Apex: 5 acute tips. Base: Fused. Length: Approximately 1.5 cm. Diameter at apex: Approximately 5.0 mm. Diameter at base: Approximately 1.0 mm. Texture: Glabrous. Color when fully open: 14B with midsection of 12B and 157B at base, translucent. 20

Outer phyllaries.—Quantity: Approximately 8. Aspect: Flat, slightly reflexed. Shape: Elliptic. Margin: Entire. Apex: Acute. Base: Truncate. Length: 25
Approximately 2.1 cm. Width: Approximately 8.0 mm. Texture of upper and lower surfaces: Glabrous. Color of upper and lower surfaces: 138A.

Inner phyllaries.—Quantity: Approximately 1 per floret. Shape: Linear, imbricate. Margin: Entire. Apex:

Broadly acute to obtuse. Base: Truncate. Length of outermost: Approximately 2.1 cm. Width of outermost: Approximately 5.5 mm. Length of innermost: Approximately 1.4 cm. Width of innermost: Approximately 4.5 mm. Texture of upper and lower surfaces: Glabrous. Color of upper and lower surfaces: 151B, translucent with 143A at base of outermost.

Reproductive organs.—Androecium: On disc florets. Stamen quantity: 5 per floret. Stamen length: Approximately 1.3 cm. Anther shape: Linear. Anther length: Approximately 5.0 mm. Anther color: 153D. Pollen amount: Moderate. Pollen color: 17A. Gynoecium: On disc florets. Pistil length: Approximately 1.2 cm. Stigma shape: 2 branched. Stigma length: Approximately 3.0 mm. Stigma width: Approximately 4.0 mm. Stigma color: 14A to 14B. Style length: Approximately 9.0 mm. Style color: 154B. 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 'Baldadendre', substantially as herein illustrated and described.

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FIG. 1



FIG. 2