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

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(54) **MONARDA PLANT NAMED ‘BALBEEMAV’**

(50) Latin Name: *Monarda didyma*  
Varietal Denomination: **Balbeemav**

(71) Applicant: **Ball Horticultural Company**, West  
Chicago, IL (US)

(72) Inventor: **Scott C. Trees**, Arroyo Grande, CA  
(US)

(73) Assignee: **Ball Horticultural Company**, West  
Chicago, IL (US)

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patent is extended or adjusted under 35  
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See application file for complete search history.

*Primary Examiner* — June Hwu  
(74) *Attorney, Agent, or Firm* — Audrey Charles

(57) **ABSTRACT**

A new and distinct cultivar of *Monarda* plant named ‘Bal-  
beemav’, characterized by its medium lavender-colored  
inflorescences, dark green-colored foliage, good powdery  
mildew resistance, and moderately vigorous, upright growth  
habit, is disclosed.

**1 Drawing Sheet**

**1**

**2**

Latin name of genus and species of plant claimed: *Mon-  
arda didyma*.  
Variety denomination: ‘Balbeemav’.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar  
of *Monarda* plant botanically known as *Monarda didyma*  
and hereinafter referred to by the cultivar name ‘Bal-  
beemav’.

The new cultivar originated in a controlled breeding  
program in Guadalupe, Calif. during the summer 2014. The  
objective of the breeding program was the development of  
*Monarda* cultivars that are medium height, early flowering,  
and have good powdery mildew resistance.

The new *Monarda* cultivar is the result of open-pollina-  
tion. The female (seed) parent of the new cultivar is the  
proprietary *Monarda didyma* breeding selection coded  
16915, not patented, characterized by its light lavender-  
colored inflorescences, medium green-colored foliage, and  
moderately vigorous, compact-upright growth habit. The  
male (pollen) parent of the new cultivar is unknown. The  
new cultivar was selected as a single flowering plant within  
the progeny of the above stated open-pollination during  
October 2015 in a controlled environment in Guadalupe,  
Calif.

Asexual reproduction of the new cultivar by terminal stem  
cuttings since October 2015 in Guadalupe, Calif. and West  
Chicago, Ill. has demonstrated that the new cultivar repro-  
duces true to type with all of 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  
‘Balbeemav’ as a new and distinct cultivar of *Monarda*  
plant:

1. Medium lavender-colored inflorescences;
2. Dark green-colored foliage;
3. Good powdery mildew resistance; and
4. Moderately vigorous, upright growth habit.

Plants of the new cultivar differ from plants of the female  
parent primarily in having darker lavender-colored inflores-  
cences and a taller, upright growth habit.

Of the many commercially available *Monarda* cultivars,  
the most similar in comparison to the new cultivar is Balmly  
Lilac ‘Balbalmac’, U.S. Plant Pat. No. 26,594. However, in  
side-by-side comparisons, plants of the new cultivar differ  
from plants of ‘Balbalmac’ in at least the following charac-  
teristics:

1. Plants of the new cultivar have an inflorescence color  
that is slightly lighter in color than plants of ‘Balbal-  
mac’;
2. Plants of the new cultivar have shorter-sized bracts than  
plants of ‘Balbalmac’; and
3. Plants of the new cultivar are taller than plants of  
‘Balbalmac’.

**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 ‘Balbeemav’. The plants  
were approximately 5.5 months old. The plants were grown  
three plants per pot in 1.7 gallon containers for approxi-  
mately 3 months in an outdoor nursery in West Chicago, Ill.  
Plants were given two pinches prior to transplant and one  
pinch one week after transplant.

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

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

#### 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 July 2021 under natural light conditions in Naperville, Ill.

The following descriptions and measurements describe approximately 5.5-month-old plants produced from cuttings from stock plants and grown under conditions comparable to those used in commercial practice. The plants were grown three plants per pot in 1.7 gallon containers for approximately 3 months in an outdoor nursery in West Chicago, Ill. Plants were given two pinches prior to transplant and one pinch one week after transplant. Prior to transplant plants were grown in liners in a poly-covered greenhouse in West Chicago, Ill. Greenhouse temperatures ranged from an average high of 79.5° F. (26.4° C.) to an average low of 68.5° F. (20.3° C.), and supplemental lighting was provided daily for five hours during short days. Measurements and numerical values represent averages of typical plant.

Botanical classification: *Monarda didyma* 'Balbeemav'.

Parentage:

*Female parent.*—Proprietary *Monarda didyma* breeding selection coded 16915, not patented.

*Male parent.*—Unknown.

Propagation:

*Type cutting.*—Terminal stem.

*Time to initiate roots.*—Approximately 7 to 10 days.

*Time to produce a rooted cutting.*—Approximately 35 to 42 days.

*Root description.*—Fine, fibrous.

*Rooting habit.*—Freely branching.

Plant description:

*Commercial crop time.*—Approximately 9 to 11 weeks from a rooted cutting to finish in a 15 cm pot.

*Growth habit and general appearance.*—Herbaceous perennial, moderately vigorous, upright growth habit.

*Hardiness.*—USDA Zone 4 (−30° F. to −20° F./−34.4° C. to −28.9° C.).

*Size.*—Height from soil level to top of plant plane: Approximately 29.0 cm. Width: Approximately 40.0 cm.

*Branching habit.*—Freely branching. Pinching enhances lateral branching. Quantity of main branches per plant: Approximately 4.

*Branch.*—Shape: Square in cross section. Strength: Strong. Length to base of inflorescence: Approximately 20.0 cm. Diameter: Approximately 4.0 mm to 6.0 mm. Length of central internode: Approximately 3.1 cm. Texture: Densely pubescent on edges. Color of young stems: 146C. Color of mature stems: 146B, becoming woody 200B with age.

Foliage description:

*General description.*—Quantity of leaves per branch: Approximately 8. Fragrance: Strong, sage-like. Form: Simple. Arrangement: Opposite, decussate.

*Leaves.*—Aspect: Primarily perpendicular to stem. Shape: Ovate to lanceolate. Margin: Serrate. Apex: Acute. Base: Shallowly cordate. Venation pattern: Pinnate. Length of mature leaf: Approximately 6.5 cm. Width of mature leaf: Approximately 3.4 cm. Texture of upper surface: Slightly rugose, moderately pubescent. Texture of lower surface: Densely pubescent. Color of upper surface of young and mature foliage: Closest to NN137A with venation of 146B. Color of lower surface of young and mature foliage: Closest to 137C with venation of 146D.

*Petiole.*—Length: Approximately 6.0 mm. Diameter: Approximately 3.0 mm. Texture: Densely pubescent. Color: 146D.

Flowering description:

*Flowering habit.*—'Balbeemav' is a long-day obligate, vernalization is not required for flowering, freely flowering under outdoor growing conditions blooming late spring through summer.

*Lastingness of individual flower.*—Approximately 5 to 7 days.

Inflorescence description:

*General description.*—Type: Dense terminal verticillasters, not persistent, facing upward and outward.

*Quantity of inflorescences per plant.*—Approximately 17. Fragrance: Strong, sage-like. Depth or height of inflorescence: Approximately 4.0 cm. Width of inflorescence: Approximately 5.5 cm, expands to approximately 7.0 cm as innermost flowers senesce. Quantity of fully-open flowers per inflorescence: Approximately 42.

*Peduncle.*—Shape: Square in cross section. Strength: Strong. Aspect: Erect. Length: Approximately 4.0 cm. Diameter: Approximately 3.0 mm. Texture: Densely pubescent on edges. Color: 146B.

Flower description:

*Type.*—Single, bilabiate.

*Bud.*—Rate of opening: Generally takes 2 to 3 days for bud to progress from first color to fully open flower.

*Bud just before opening.*—Shape: Tubular, upper portion strongly curved downward. Length: Approximately 1.4 cm. Diameter: Approximately 2.0 mm. Texture: Densely pubescent. Color: N80C.

*Corolla.*—Shape: Two lips, upper lip hooded; lower lip, a single lobe; lips fused. Depth (height): Approximately 3.9 cm. Width: Approximately 5.0 mm. Length: Approximately 1.3 cm.

*Upper lip.*—Shape: Linear, hooded. Aspect: Erect. Margin: Entire. Apex: Two acute tips. Length: Approximately 1.1 cm. Width: Approximately 1.0 mm. Texture of inner surface: Glabrous. Texture of outer surface: Densely pubescent. Color of inner surface when first and fully open: N80C. Color of outer surface when first and fully open: N80A, fading to N80D with senescence.

*Lower lip.*—Shape: Oblanceolate. Margin: Entire. Apex: Curled lobe at apex about 4.0 mm in length and 1.0 mm in width. Length: Approximately 1.3 cm. Width: Approximately 5.0 mm. Texture of upper surface: Glabrous. Texture of lower surface: Densely pubescent. Color of upper surface when first and fully open: N80C, fading to lighter than N80D with

senescence. Color of lower surface when first and fully open: Between N80B and N80C, fading to lighter than N80D with senescence.

*Corolla tube*.—Length: Approximately 1.9 cm. Width: Approximately 2.0 mm. Texture of inner surface: Sparsely pubescent. Texture of outer surface: Densely pubescent. Color: N80A to N80B, fading to N80D with senescence.

*Calyx*.—Shape: Tubular. Length: Approximately 1.0 cm. Diameter: Approximately 2.0 mm.

*Sepals*.—Quantity per flower: 5, fused except for acuminate apex of 1.0 mm in length having an entire margin. Length: Approximately 1.0 cm. Width: Less than 1.0 mm. Texture of inner surface: Glabrous. Texture of outer surface: Densely pubescent. Color of inner surface: 145B with N186A on tips. Color of outer surface: 145A with N186A on tips.

*Bracts*.—Quantity: Approximately 28 per inflorescence in multiple whorls. Shape: Ovate to lanceolate. Length of larger: Approximately 3.5 cm. Width of larger: Approximately 1.8 cm. Length of smaller: Approximately 9.0 mm. Width of smaller: Less than 1.0 mm. Texture of upper and lower surfaces: Densely pubescent. Color of upper surface of larger bracts: Closest to NN137A with center of base of

137D. Color of lower surface of larger bracts: 137B. Color of upper and lower surfaces of smaller bracts: 146C.

*Reproductive organs*.—Androecium: Stamen quantity: 2 per flower, dorsifixed. Filament length: Approximately 3.4 cm. Filament length of fixed portion: Approximately 1.9 cm. Filament color: NN155D with an overlay of 83C near anther. Anther shape: Narrowly elliptic to oblong. Anther length: Approximately 2.0 mm. Anther color: 83B. Pollen amount: Moderate. Pollen color: NN155D. Gynoecium: Pistil quantity: 1 per flower. Pistil length: Approximately 3.9 cm. Stigma shape: Cleft, two-parted. Stigma length: Approximately 2.0 mm. Stigma color: 90A. Style length: Approximately 3.6 cm. Style color: NN155D, opaque with an overlay of 90A near stigma. Ovary length: Approximately 1.0 mm. Ovary color: 155A.

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

Disease and pest resistance: Good resistance to powdery mildew has been observed.

What is claimed is:

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

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FIG. 1



FIG. 2