



(12) **United States Plant Patent**  
**Winslow et al.**

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- (54) **CALIBRACHOA PLANT NAMED ‘BALCHADAP’**
- (50) Latin Name: *Calibrachoa x hybrida*  
Varietal Denomination: **Balchadap**
- (71) Applicant: **Ball Horticultural Company**, West Chicago, IL (US)
- (72) Inventors: **Benjamin K. Winslow**, Austin, TX (US); **Laura L. Masor**, Grover Beach, CA (US)
- (73) Assignee: **Ball Horticultural Company**, West Chicago, IL (US)
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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.

*Primary Examiner* — Keith O. Robinson  
(74) *Attorney, Agent, or Firm* — Audrey Charles

(57) **ABSTRACT**

A new and distinct cultivar of *Calibrachoa* plant named ‘Balchadap’, characterized by its medium orange-yellow colored flowers having a mottled red-purple colored overlay that becomes less pronounced with age, medium green-colored foliage, and vigorous, mounded-trailing growth habit, is disclosed.

**1 Drawing Sheet**

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Latin name of genus and species of plant claimed: *Calibrachoa x hybrida*.  
Variety denomination: ‘Balchadap’.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar of *Calibrachoa* plant botanically known as *Calibrachoa x hybrida* and hereinafter referred to by the cultivar name ‘Balchadap’.

The new cultivar originated in a controlled breeding program in Arroyo Grande, Calif. during June 2016. The objective of the breeding program was the development of *Calibrachoa* cultivars with attractive novelty flower coloration, and a vigorous, mounded-trailing growth habit.

The new *Calibrachoa* cultivar is the result of cross-pollination. The female (seed) parent of the proprietary *Calibrachoa x hybrida* breeding selection coded 13596-1, not patented, characterized by its medium yellow-colored flowers having a mottled apricot and pink colored overlay that becomes less pronounced with age, medium green-colored foliage, and vigorous, mounded growth habit. The male (pollen) parent of the new cultivar is the proprietary *Calibrachoa x hybrida* breeding selection coded 13631-1, not patented, characterized by its medium yellow-colored flowers having a mottled red-colored overlay that becomes less pronounced with age, medium green-colored foliage, and vigorous, mounded growth habit. The new cultivar was selected as a single flowering plant within the progeny of the above stated cross-pollination during August 2016 in a controlled environment in Arroyo Grande, Calif.

Asexual reproduction of the new cultivar by terminal stem cuttings since August 2016 in Arroyo Grande, Calif. and West Chicago, Ill. has demonstrated that the new cultivar reproduces true to type with all of the characteristics, as

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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 ‘Balchadap’ as a new and distinct cultivar of *Calibrachoa* plant:

1. Medium orange-yellow colored flowers having a mottled red-purple colored overlay that becomes less pronounced with age;
2. Medium green-colored foliage; and
3. Vigorous, mounded-trailing growth habit.

Plants of the new cultivar differ from plants of the female and male parents primarily in having a more mounded growth habit and a flower color that is more yellow-orange and red-purple colored.

Of the many commercially available *Calibrachoa* cultivars, the most similar in comparison to the new cultivar is CABARET Diva Orange ‘Balcabivor’, U.S. Plant Pat. No. 31,927. However, in side-by-side comparisons, plants of the new cultivar differ from plants of ‘Balcabivor’ in at least the following characteristics:

1. Plants of the new cultivar have a flower color that is more orange-yellow and red-purple than plants of ‘Balcabivor’;
2. Plants of the new cultivar have greater growth vigor than plants of ‘Balcabivor’; and
3. Plants of the new cultivar have slightly larger diameter flowers than plants of ‘Balcabivor’.

**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 may differ slightly from the color values cited in the detailed description, which accurately describes the colors of 'Balchadap'. The approximately 3-month-old plants were grown in 4.5-inch pots for 7 weeks in a greenhouse in West Chicago, Ill. Plants were given one pinch two weeks before transplant.

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

FIG. 2 illustrates a close-up view of an individual flower of 'Balchadap'.

#### 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 RHS 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 December 2019 under natural light conditions in West Chicago, Ill.

The following descriptions and measurements describe approximately 3-month-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 West Chicago, Ill. in 4.5-inch pots for 7 weeks utilizing a soilless growth medium. Plants were given one pinch two weeks before transplant. Greenhouse temperatures were maintained at approximately 67° F. to 72° F. (19° C. to 22° C.) during the day and approximately 64° F. to 66° F. (18° C. to 19° C.) during the night. Supplemental lighting was used. Measurements and numerical values represent averages of typical plants.

Botanical classification: *Calibrachoa x hybrida* 'Balchadap'.

Parentage:

*Female parent*.—Proprietary *Calibrachoa x hybrida* breeding selection coded 13596-1, not patented.

*Male parent*.—Proprietary *Calibrachoa x hybrida* breeding selection coded 13631-1, not patented.

Propagation:

*Type cutting*.—Terminal stem.

*Time to initiate roots*.—Approximately 6 to 8 days.

*Time to produce a rooted cutting*.—Approximately 21 to 28 days.

*Root description*.—Fibrous.

*Rooting habit*.—Freely branching.

Plant description:

*Commercial crop time*.—Approximately 6 to 9 weeks from a rooted cutting to finish in a 10 cm pot.

*Growth habit and general appearance*.—Vigorous, mounded-trailing.

*Size*.—Height from soil level to top of plant plane: Approximately 12.0 cm. Width: Approximately 28.5 cm.

*Branching habit*.—Freely branching, pinching enhances basal branching. Quantity of main branches per plant: Approximately 6.

*Branch*.—Strength: Moderate, Length: Approximately 19.0 cm. Diameter: Approximately 3.0 mm. Length of central internode: Approximately 1.5 cm. Texture:

Densely pubescent. Color of young stems: 146D. Color of mature stems: 146C.

Foliage description:

*General description*.—Fragrance: None detected. Form: Simple. Arrangement on flowering stem: Opposite.

*Leaves*.—Aspect: At acute angle to stem with tip turning downward. Shape: Elliptic. Margin: Entire. Apex: Broadly acute. Base: Attenuate. Venation pattern: Pinnate. Length of mature leaf: Approximately 3.3 cm. Width of mature leaf: Approximately 1.4 cm. Texture of upper and lower surfaces: Moderately glandular pubescent. Gland color: Colorless, transparent. Color of upper surface of young and mature foliage: 137A with midvein of 146C. Color of lower surface of young and mature foliage: Closest to 138B with midvein of 146D.

*Petiole*.—Length: Approximately 2.0 mm. Diameter: Approximately 1.0 mm. Texture: Moderately glandular pubescent, Gland color: Colorless, transparent. Color: 146D.

Flowering description:

*Flowering habit*.—'Balchadap' is freely flowering under outdoor growing conditions with substantially continuous blooming from spring through autumn and year-round in greenhouse environment.

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

Flower description:

*General description*.—Type: Single, salverform. Quantity per plant: Approximately 30. Fragrance: None detected.

*Bud*.—Rate of opening: Generally takes 3 to 4 days for bud to progress from first color to fully open flower. Quantity per plant: Approximately 17.

*Bud just before opening*.—Shape: Oblong, Length: Approximately 1.9 cm. Diameter: Approximately 5.0 mm. Texture: Densely glandular pubescent. Gland color: Colorless, transparent. Color: Petal portion 154B, tube portion 1540, venation of N144A.

*Corolla*.—Diameter: Approximately 3.2 cm.

*Petals*.—Quantity: 5, fused to form a tube. Shape: Obovate. Margin: Entire. Apex: Obtuse, occasionally shallowly notched. Length from tube: Approximately 1.3 cm. Length of free portion: Approximately 6.0 mm, strong lobing. Width: Approximately 1.5 cm. Texture of upper surface: Glabrous. Texture of lower surface: Glandular pubescent, dense along venation. Gland color: Colorless, transparent. Color of upper surface when first open: 1C with a heavy overlay and mottling of 63A to 63B; midveins of N77A. Color of lower surface when first and fully open: 1D with an underlay of 63C and midveins of N144A. Color of upper surface when fully open: 23B to 23C with a heavy overlay and mottling of 63B to 63C; midveins of N77A, overlay fades to 63C with age. Conspicuousness of venation: Weak only midveins clearly distinguishable.

*Corolla tube*.—Length: Approximately 1.8 cm. Diameter at distal end: Approximately 5.0 mm. Diameter at proximal end: Approximately 1.0 mm. Texture of inner surface: Glabrous. Texture of outer surface: Densely glandular pubescent. Gland color: Colorless, transparent. Color of inner surface: 15A with

59A at throat opening, venation of 59A and 145A. Color of outer surface: 145D with an underlay of 59C at throat opening, venation of N144A.

*Sepals*.—Quantity per flower: 5, fused at base. Shape: Lanceolate. Apex: Acute. Length: Approximately 1.3 cm. Width: Approximately 3.0 mm. Texture of upper and lower surfaces: Densely glandular pubescent. Gland color: Colorless, transparent. Color of upper surface: 137B. Color of lower surface: 138A with base of 144B.

*Peduncle*.—Strength: Strong, flexible. Aspect: Acute angle to stem. Length: Approximately 1.5 cm. Diameter: Approximately 1.0 mm. Texture: Densely glandular pubescent. Gland color: Colorless, transparent. Color: 144A.

*Reproductive organs*.—Androecium: Stamen quantity: 5, basifixed. Stamen length: Approximately 1.0 cm. Filament length of fixed portion: Approximately 4.0

mm. Filament color: 150D. Anther shape: Bilobed, ovoid. Anther length: Approximately 1.0 mm. Anther color: 8A. Pollen amount: Abundant. Pollen color: 8C. Gynoecium: Pistil quantity: 1 per flower. Pistil length: Approximately 9.0 mm. Stigma shape: Funnel. Stigma length: Less than 1.0 mm. Stigma color: 145A. Style length: Approximately 7.0 mm. Style color: 145D. Ovary diameter: Approximately 2.0 mm. Ovary color: 144A.

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

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

What is claimed is:

15 1. A new and distinct cultivar of *Calibrachoa* plant named 'Balchadap', substantially as herein illustrated and described.

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FIG. 1

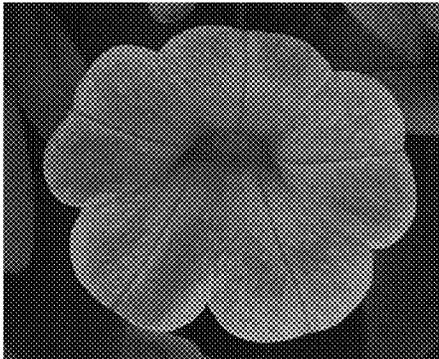


FIG. 2