

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

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(54) **CALIBRACHOA PLANT NAMED**
‘DUEALRED’

(50) Latin Name: ***Calibrachoa* sp.**
Varietal Denomination: **Duealred**

(75) Inventor: **Tobias Dümmen**, Rheinberg (DE)

(73) Assignee: **Capital Green Investments, Ltd.**,
Grand Cayman (KY)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

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A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./413**

(58) **Field of Classification Search** Plt./263,
Plt./413

See application file for complete search history.

(56) **References Cited**

OTHER PUBLICATIONS

UPOV-ROM GTITM, Plant Variety Database, 2009,/103, GTI Jouve
Retrieval Software, Citation for plant ‘Duealred’.*

* cited by examiner

Primary Examiner—Susan B McCormick Ewoldt

(74) *Attorney, Agent, or Firm*—C. A. Whealy

(57) **ABSTRACT**

A new and distinct cultivar of *Calibrachoa* plant named
‘Duealred’, characterized by its compact, upright and out-
wardly spreading to trailing and decumbent plant habit;
numerous large dark red-colored flowers; and good garden
performance.

1 Drawing Sheet

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Botanical designation: *Calibrachoa* sp.

Cultivar denomination: ‘Duealred’.

BACKGROUND OF THE INVENTION

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

The new *Calibrachoa* plant is a product of a planned breed-
ing program conducted by the Inventor in Rheinberg, Ger-
many. The objective of the breeding program is to create new
Calibrachoa cultivars with large attractive flowers.

The new *Calibrachoa* originated from a cross-pollination
made by the Inventor in August, 2004 in Rheinberg, Germany
of a proprietary selection of *Calibrachoa* sp. identified as
code number A02-0098-002, not patented, as the female, or
seed, parent with a proprietary selection of *Calibrachoa* sp.
identified as code number F-12-18, not patented, as the male,
or pollen, parent. The new *Calibrachoa* was discovered and
selected by the Inventor as a single flowering plant from
within the progeny of the stated cross-pollination in a con-
trolled greenhouse environment in Rheinberg, Germany in
May, 2007.

Asexual reproduction of the new *Calibrachoa* plant by
vegetative terminal cuttings in a controlled greenhouse envi-
ronment in Rheinberg, Germany since May, 2007, has shown
that the unique features of this new *Calibrachoa* plant are
stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new *Calibrachoa* have not been observed
under all possible environmental conditions. The phenotype
may vary somewhat with variations in environment and cul-
tural practices such as temperature and light intensity with-
out, however, any variance in genotype.

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The following traits have been repeatedly observed and are
determined to be the unique characteristics of ‘Duealred’.
These characteristics in combination distinguish ‘Duealred’
as a new and distinct cultivar of *Calibrachoa*:

1. Compact, upright and outwardly spreading to trailing
and decumbent plant habit.
2. Numerous large dark red-colored flowers.
3. Good garden performance.

The new *Calibrachoa* can be compared to plants of the
female parent selection. Plants of the new *Calibrachoa* differ
primarily from plants of the female parent selection in flower
color as plants of the new *Calibrachoa* have more intense
red-colored flowers than plants of the female parent selection.

The new *Calibrachoa* can be compared to plants of the
male parent selection. Plants of the new *Calibrachoa* differ
primarily from plants of the male parent selection in growth
habit as plants of the new *Calibrachoa* are more compact than
plants of the male parent selection.

Plants of the new *Calibrachoa* can be compared to plants of
Calibrachoa ‘Cal Britreeda’, disclosed in U.S. Plant Pat. No.
16,828. Plants of the new *Calibrachoa* differ from plants of
‘Cal Britreeda’ in the following characteristics:

1. Plants of the new *Calibrachoa* are more compact than
plants of ‘Cal Britreeda’.
2. Plants of the new *Calibrachoa* have shorter internodes
than plants of ‘Cal Britreeda’.
3. Plants of the new *Calibrachoa* have smaller leaves than
plants of ‘Cal Britreeda’.
4. Plants of the new *Calibrachoa* have smaller flowers than
plants of ‘Cal Britreeda’.
5. Plants of the new *Calibrachoa* have smaller sepals than
plants of ‘Cal Britreeda’.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the over-
all appearance of the new *Calibrachoa*, showing the colors as

true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photograph may differ slightly from the color values cited in the detailed botanical description which accurately describe the colors of the new *Calibrachoa*. The photograph is a top perspective view of a typical flowering lateral branch of 'Duealred'.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations, measurements and values describe plants grown in Rheinberg, Germany, under commercial practice during the spring in a glass-covered greenhouse with day and night temperatures averaging 18° C. and light levels averaging 4,500 lux. Rooted young plants were pinched one time about three weeks after planting had been growing for 16 weeks when the photograph and description were taken. In the following description, color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Calibrachoa* sp. 'Duealred'.

Parentage:

Female, or seed, parent.—Proprietary selection of *Calibrachoa* sp. identified as code number A02-0098-002, not patented.

Male, or pollen, parent.—Proprietary selection of *Calibrachoa* sp. identified as code number F-12-18, not patented.

Propagation:

Type.—By vegetative cuttings.

Time to initiate roots, summer.—About seven days at 20° C.

Time to initiate roots, winter.—About ten days at 20° C.

Time to produce a rooted young plant, summer.—About three weeks at temperatures of 20° C.

Time to produce a rooted young plant, winter.—About four weeks at temperatures of 20° C.

Root description.—Fine, fibrous; white in color.

Rooting habit.—Freely branching; dense.

Plant description:

Plant and growth habit.—Compact, upright and outwardly spreading to trailing and decumbent plant habit. Freely branching habit with about 10 to 15 lateral branches; pinching enhances branching; vigorous growth habit.

Plant height.—About 11 cm.

Plant diameter.—About 22 cm.

Lateral branch description:

Length.—About 11 cm.

Diameter.—About 1.5 mm.

Internode length.—About 9.7 mm.

Strength.—Strong.

Aspect.—Initially upright to outwardly spreading to trailing and decumbent.

Texture.—Pubescent.

Color.—Close to 144B.

Foliage description:

Arrangement.—Before flowering, alternate, simple; after flowering, opposite, simple.

Length.—About 2.4 cm.

Width.—About 7.4 mm.

Shape.—Oblanceolate.

Apex.—Rounded.

Base.—Cuneate.

Margin.—Entire.

Texture, upper and lower surfaces.—Pubescent.

Venation pattern.—Pinnate; arcuate.

Color.—Developing and fully expanded leaves, upper surface: Close to 137C; venation, close to 144C.

Developing and fully expanded leaves, lower surface: Close to 138B to 138C; venation, close to 144C.

Petiole.—Length: About 2 mm. Diameter: About 1 mm.

Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: Close to 144B.

Flower description:

Flower arrangement and habit.—Single salverform flowers arising from leaf axils. Freely flowering habit with usually about 40 open flowers and flower buds per plant. Flowers face upright or outwardly.

Fragrance.—None detected.

Natural flowering season.—Plants of the new *Calibrachoa* initiate and develop flowers about four to six weeks after planting. Plants flower continuously from the spring until the autumn in Germany.

Flower longevity.—Individual flowers last about seven to ten days on the plant; flowers not persistent.

Flower diameter.—About 2.8 cm.

Flower length (height).—About 2 cm.

Flower throat diameter.—About 8 mm.

Flower tube length.—About 1.7 cm.

Flower tube diameter, base.—About 2 mm.

Flower bud.—Shape: Elongated oblong. Length: About 2.2 cm. Diameter: About 4 mm. Color: Close to 145C tinted with close to 71A.

Corolla.—Arrangement: Five petals fused at the base and opening into a flared trumpet. Petal length from throat: About 1.3 cm. Petal lobe width: About 1.4 cm. Petal shape: Roughly spatulate. Petal apex: Shallowly cordate. Petal margin: Entire. Petal texture, upper and lower surfaces: Smooth, glabrous. Throat texture: Smooth, glabrous. Tube texture: Smooth, glabrous. Color: Petal, when opening, upper surface: Close to 46A. Petal, when opening, lower surface: Close to 46C. Petal, fully opened, upper surface: Close to 46B; venation, close to 59A to 59B; color becoming closer to 46B to 46C with development. Petal, fully opened, lower surface: Close to 46C; venation, close to 59A. Throat: Close to 7A; venation, close to 59A. Tube: Close to 151C; venation, close to 59A.

Calyx.—Arrangement: One star-shaped calyx tube with five sepals fused at the base. Sepal length: About 1.1 cm. Sepal width: About 2.2 mm. Sepal shape: Lanceolate. Sepal apex: Acute. Sepal margin: Entire. Sepal texture, upper and lower surfaces: Pubescent. Color, upper surface: Close to 137C. Color, lower surface: Close to 138A.

Peduncles.—Length: About 1.5 cm. Diameter: About 1 mm. Angle: About 45° from stem axis. Strength: Moderately strong. Texture: Pubescent. Color: Close to 144B.

Reproductive organs.—Stamens: Quantity/arrangement: Five per flower. Filament length: About 8 mm. Filament color: Close to 145C. Anther shape: Ellipsoidal. Anther length: About 1.5 mm. Anther color: Close to 7B. Pollen amount: Scarce. Pollen color: Close to 13C. Pistils: Quantity: One per flower. Pistil length: About 1.3 cm. Style length: About 1 cm. Style color: Close to 144D. Stigma shape: Ellipsoidal. Stigma color: Close to 144B. Ovary color: Close to 144D. Seed/fruit: Seed and fruit development have not been observed on plants of the new *Calibrachoa*.

Garden performance: Plants of the new *Calibrachoa* have been observed to have good garden performance and tol

erate wind, rain and temperatures ranging from about 2° C. to about 38° C.
Pathogen/pest resistance: Plants of the new *Calibrachoa* have not been observed to be resistant to pathogens and pests common to *Calibrachoa*.

It is claimed:
1. A new and distinct *Calibrachoa* plant named ‘Duealred’ as illustrated and described.

