

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

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(54) **GERANIUM PLANT NAMED ‘CANTE ROS’**

(50) Latin Name: (*Pelargonium*×*hortorum*)×
P. tongaense
Varietal Denomination: **Cante Ros**

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(73) Assignee: **Goldsmith Seeds, Inc.**, Gilroy, CA
(US)

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patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

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(51) **Int. Cl.**⁷ **A01H 5/00**

(52) **U.S. Cl.** **Plt./324**

(58) **Field of Search** **Plt./324**

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP11,925 P2 * 6/2001 Trees Plt./324

OTHER PUBLICATIONS

UPOV ROM GTITM Computer Database GTI Jouve
Retrieval Software 2004/04 Citations for ‘Cante Ros’.*

* cited by examiner

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(57) **ABSTRACT**

A new and distinct cultivar of *Geranium* plant named ‘Cante
Ros’, characterized by its upright, outwardly spreading and
mounded growth habit; freely basal branching habit; dark
green-colored leaves; freely flowering habit with many
flower umbels per plant; flower umbels with numerous red
purple-colored single flowers; and resistance to leaf oedema.

1 Drawing Sheet

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Botanical designation: (*Pelargonium*×*hortorum*)×
P. tongaense.

Variety denomination: ‘Cante Ros’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Geranium* plant, botanically known as (*Pelargonium*×
hortorum)×*P. tongaense*, commercially known as an inter-
specific *Geranium*, and hereinafter referred to by the name
‘Cante Ros’.

The new *Geranium* is a product of a planned breeding
program conducted by the Inventor in Gilroy, Calif. The
objective of the breeding program is to develop new *Gera-*
nium cultivars with mounded plant habit, good basal
branching, large flowers, attractive flower and foliage col-
oration and resistance to leaf oedema.

The new *Geranium* originated from a cross-pollination
made by the Inventor in January, 2000 of a proprietary
(*Pelargonium*×*hortorum*)×*P. tongaense* selection identified
as code number 8301-2, not patented, as the female, or seed,
parent with a proprietary (*Pelargonium*×*hortorum*)×*P. ton-*
gaense selection identified as code number 7367-4, not
patented, as the male, or pollen, parent. The cultivar Cante
Ros was discovered and selected by the Inventor as a single
flowering plant within the progeny from this cross-
pollination in a controlled environment in Gilroy, Calif. in
June, 2000.

Asexual reproduction of the new cultivar by terminal
cuttings taken at Gilroy, Calif., since June, 2000 has shown
that the unique features of this new *Geranium* are stable and
reproduced true to type in successive generations of asexual
reproduction.

SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and
are determined to be the unique characteristics of ‘Cante

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Ros’. These characteristics in combination distinguish
‘Cante Ros’ as a new and distinct *Geranium* cultivar:

1. Upright, outwardly spreading and mounded growth
habit.
2. Freely basal branching habit.
3. Dark green-colored leaves.
4. Freely flowering habit with many flower umbels per
plant.
5. Flower umbels with numerous red purple-colored
single flowers.
6. Resistant to leaf oedema.

In side-by-side comparisons conducted in Gilroy, Calif.,
plants of the new *Geranium* differed from plants of the
female parent selection in the following characteristics:

1. Plants of the new *Geranium* had lighter green-colored
leaves than plants of the female parent selection.
2. Plants of the new *Geranium* and the female parent
selection differed in flower color as plants of the female
parent selection had rose scarlet-colored flowers.

In side-by-side comparisons conducted in Gilroy, Calif.,
plants of the new *Geranium* differed from plants of the male
parent selection in the following characteristics:

1. Plants of the new *Geranium* had larger leaves than
plants of the male parent selection.
2. Plants of the new *Geranium* and the male parent
selection differed in flower color as plants of the male
parent selection had coral pink-colored flowers.

The new *Geranium* can be compared to the cultivar,
Balgalpnp, (U.S. Plant Pat. No. 11,925). However, in side-
by-side comparisons conducted in Gilroy, Calif., plants of
the new *Geranium* differed from plants of the cultivar
Balgalpnp in the following characteristics:

1. Plants of the new *Geranium* did not have a distinct leaf
zonation pattern whereas plants of the cultivar Balgal-
pnp had a distinct leaf zonation pattern.
2. Plants of the new *Geranium* had single flowers whereas
plants of the cultivar Balgalpnp had semi-double flow-
ers.

3. Plants of the new *Geranium* and the cultivar Balgalpipn differed in flower color as plants of the cultivar Balgalpipn were coral pink in color.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the overall appearance of the new cultivar, showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type.

The photograph at the top of the sheet comprises a side perspective view of a typical flowering plant of 'Cante Ros'.

The photograph at the bottom of the sheet is a close-up view of typical flowers and leaves of 'Cante Ros'.

Flower and foliage colors in the photographs may differ slightly from the color values cited in the detailed botanical description which accurately describe the colors of the new *Geranium*.

DETAILED BOTANICAL DESCRIPTION

Plants of the cultivar Cante Ros have not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature and light intensity, without, however, any variance in genotype. The aforementioned photographs and following observations and measurements describe plants grown in Gilroy, Calif., under commercial practice in a polyethylene-covered greenhouse during the late spring with day temperatures about 27 to 29° C., night temperatures about 16 to 18° C. and light levels about 2,000 foot-candles. Plants used for the photographs and description were about five months from planting rooted cuttings. 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: (*Pelargonium*×*hortorum*)×*P. tongaense* cultivar Cante Ros.

Parentage:

Female parent.—Proprietary (*Pelargonium*×*hortorum*)×*P. tongaense* selection identified as code number 8301-2, not patented.

Male parent.—Proprietary (*Pelargonium*×*hortorum*)×*P. tongaense* selection identified as code number 7367-4, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—About 12 to 14 days at 22° C.

Time to develop roots.—About 25 to 30 days at 22° C.

Root description.—Fibrous; white in color.

Rooting habit.—Freely branching.

Plant description:

General appearance.—Upright, outwardly spreading and mounded growth habit.

Growth and branching habit.—Vigorous and very freely basal branching with about nine lateral branches per plant. Pinching, that is, removal of terminal apices, is typically not required.

Plant height to top of foliage.—About 15 cm.

Plant height to top of flower umbels.—About 24 cm.

Plant width.—About 42 cm.

Lateral branches.—Length: About 20 cm. Diameter: About 6 mm. Internode length: About 2.3 cm. Texture: Pubescent. Color: 144B.

Foliage description.—Arrangement: Alternate, simple; after flowering, opposite. Length: About 7 cm.

Width: About 8 cm. Shape: Rounded reniform. Apex: Rounded. Base: Cordate. Margin: Crenate with about seven shallow lobes. Venation: Palmate. Texture, upper and lower surfaces: Slightly coarse; glandular; pubescent. Color: Developing foliage, upper and lower surfaces: 146A. Fully expanded foliage, upper surface: 147A. Fully expanded foliage, lower surface: 147B. Venation, upper surface: 146C. Venation, lower surface: 147C. Petiole: Length: About 9.8 cm. Diameter: About 2 mm. Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: 144A.

Flower description:

Flower arrangement and type.—Single rounded flowers arranged in hemispherical umbels arising from apical leaf axils. Umbels displayed above the foliage. At full flowering, usually about 14 open and developing umbels per plant. Flowers not persistent; umbels persistent. Flowers not fragrant.

Flowering season.—Year-round under greenhouse conditions. In the garden, flowering is continuous from spring until fall. Plants start flowering about eight weeks after planting.

Flower longevity.—Flowers last about one week on the plant.

Umbels.—Height: About 5 cm. Diameter: About 8.5 cm. Number of flowers and flower buds per umbel: About 22. Flower diameter: About 4 cm. Flower depth (height): About 2 cm.

Flower buds.—Length: About 1.3 cm. Diameter: About 7 mm. Shape: Ovoid. Color: 57A.

Petals.—Quantity/arrangement: About five petals per flower in a single whorl. Length: About 2.2 cm. Width, upper two petals: About 1.5 cm. Width, lower three petals: About 1.7 cm. Shape: Obovate to slightly spatulate. Apex: Rounded. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth; satiny. Color: When opening, upper surface: 57A. When opening, lower surface: 57B. Fully opened, upper two petals, upper surface: 57A; towards the base, 52A; at the base, 155D; venation, 53A. Fully opened, lower three petals, upper surface: 57A; at the base, 155D; venation, similar to petal color. Fully opened, upper two petals, lower surface: 57C; at the base, 155D; venation, 57A. Fully opened, lower three petals, lower surface: 57C; at the base, 155D; venation, similar to petal color.

Sepals.—Quantity/arrangement: Five per flower in a single whorl; not imbricate on open flowers. Length: About 1.3 cm. Width: About 4 mm. Shape: Elliptical. Apex: Acuminate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: 144A.

Peduncle (umbel stem).—Length: About 18 cm. Diameter: About 2.5 mm. Angle: About 45 to 60° from vertical. Strength: Strong. Texture: Pubescent. Color: 144B.

Pedice (individual flower stem).—Length: About 2.3 cm. Diameter: About 1 mm. Angle: About 20 to 45° from vertical. Strength: Strong. Texture: Pubescent. Color: 144A.

Reproductive organs.—Androecium: Anther quantity: About ten per flower. Anther size: About 1 to 2 mm. Anther shape: Oval. Anther color: 50B. Pollen amount: Scarce. Pollen color: 42B. Gynoecium: Pis

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til quantity: One per flower. Pistil length: About 9 mm. Stigma shape: Five-parted, star-shaped; reflexed. Stigma color: 60C. Style length: About 1.5 mm. Style color: 157A. Ovary color: 194C.

Seed/fruit.—Seed and fruit development has not been observed.

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

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Oedema resistance: Plants of the new *Geranium* have been observed to be resistant to leaf oedema when exposed to conditions conducive to leaf oedema development.

It is claimed:

1. A new and distinct cultivar of *Geranium* plant named ‘Cante Ros’, as herein illustrated and described.

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