



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

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(54) **PELARGONIUM PLANT NAMED**
‘DUESARPUN’

(50) Latin Name: *Pelargonium zonale*×*Pelargonium peltatum*
Varietal Denomination: **Duesarpun**

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(57) **ABSTRACT**

A new and distinct cultivar of Interspecific Geranium plant named ‘Duesarpun’, characterized by its upright to outwardly spreading plant habit; vigorous growth habit; freely basal branching habit; freely flowering habit; large red purple-colored semi-double flowers; and good garden performance.

1 Drawing Sheet

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Botanical designation: *Pelargonium zonale*×*Pelargonium peltatum*.

Cultivar denomination: ‘DUESARPUN’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of Interspecific Geranium plant, botanically known as *Pelargonium zonale*×*Pelargonium peltatum*, and hereinafter referred to by the name ‘Duesarpun’.

The new Interspecific Geranium plant is a product of a planned breeding program conducted by the Inventor in Rheinberg, Germany. The objective of the breeding program is to create new uniform Interspecific Geranium plants with numerous attractive flowers.

The new Interspecific Geranium plant originated from a cross-pollination made by the Inventor in July, 2010 in Rheinberg, Germany of a proprietary selection of *Pelargonium zonale* identified as code number F-0304-018, not patented, as the female, or seed, parent with a proprietary selection of *Pelargonium peltatum* identified as code number Z07-1053-003, not patented, as the male, or pollen, parent. The new Interspecific Geranium plant was discovered and selected by the Inventor as a single flowering plant from within the progeny of the stated cross-pollination in a controlled greenhouse environment in Rheinberg, Germany in May, 2012.

Asexual reproduction of the new Interspecific Geranium plant by vegetative terminal cuttings in a controlled greenhouse environment in Rheinberg, Germany since June, 2012 has shown that the unique features of this new Interspecific Geranium plant are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new Interspecific Geranium have not been observed under all possible environmental conditions and cultural practices. The phenotype may vary somewhat with

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variations in environmental conditions such as temperature and light intensity without, however, any variance in genotype.

The following traits have been repeatedly observed and are determined to be the unique characteristics of ‘Duesarpun’. These characteristics in combination distinguish ‘Duesarpun’ as a new and distinct Interspecific Geranium plant:

1. Upright to outwardly spreading plant habit.
2. Vigorous growth habit.
3. Freely basal branching habit.
4. Freely flowering habit.
5. Large red purple-colored semi-double flowers.
6. Good garden performance.

Plants of the new Interspecific Geranium differ primarily from plants of the female parent selection in flower color as plants of the female parent selection have red-colored flowers. In addition, plants of the new Interspecific Geranium are more compact than plants of the female parent selection.

Plants of the new Interspecific Geranium differ primarily from plants of the male parent selection in flower color as plants of the male parent selection have red-colored flowers. In addition, plants of the new Interspecific Geranium are more trailing than and not as upright as plants of the male parent selection.

Plants of the new Interspecific Geranium can be compared to plants of the *Pelargonium hortorum*×*Pelargonium ton-gense* ‘Cante Coras’, disclosed in U.S. Plant Pat. No. 15,653. In side-by-side comparisons conducted in Rheinberg, Germany, plants of the new Interspecific Geranium differed primarily from plants of ‘Cante Coras’ in the following characteristics:

1. Plants of the new Interspecific Geranium were more compact than plants of ‘Cante Coras’.
2. Plants of the new Interspecific Geranium had shorter internodes than plants of ‘Cante Coras’.
3. Plants of the new Interspecific Geranium flowered about one week earlier than plants of ‘Cante Coras’.
4. Plants of the new Interspecific Geranium had broader flower umbels than plants of ‘Cante Coras’.

5. Plants of the new Interspecific Geranium and 'Cante Coras' differed slightly in flower color.
6. Plants of the new Interspecific Geranium had shorter and thicker peduncles than plants of 'Cante Coras'.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the overall appearance of the new Interspecific Geranium plant 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 Interspecific Geranium plant.

The photograph comprises a side perspective view of a typical flowering plant of 'Duesarpun' grown in a container.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations and measurements describe plants grown during the summer in 12-cm containers in a glass-covered greenhouse in Rheinberg, Germany and under cultural practices typical of commercial *Pelargonium* production. During the production of the plants, day and night temperatures averaged 18° C. and light levels averaged 4,500 lux. Plants were pinched one time three weeks after planting and were 13 weeks old when the photograph and the description were taken. In the detailed 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 zonale* × *Pelargonium peltatum* 'Duesarpun'.

Parentage:

Female, or seed, parent.—Proprietary selection of *Pelargonium zonale* identified as code number F-0304-018, not patented.

Male or pollen parent.—Proprietary selection of *Pelargonium peltatum* identified as code number Z07-1053-003, not patented.

Propagation:

Type.—By vegetative terminal cuttings.

Time to initiate roots, summer.—About five days at temperatures about 20° C.

Time to initiate roots, winter.—About seven days at temperatures about 20° C.

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

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

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

Rooting habit.—Freely branching; dense.

Plant description:

Plant and growth habit.—Upright to outwardly spreading plant habit; uniformly rounded; densely foliated; vigorous growth habit.

Branching habit.—Freely basal branching habit with about eight basal branches developing per plant.

Plant height to top of flower umbels.—About 34 cm.

Plant height to top of foliar plane.—About 24 cm.

Plant width.—About 33 cm.

Lateral branches.—Length: About 23.1 cm. Diameter: About 4 mm. Internode length: About 1.5 cm. Texture: Pubescent. Strength: Moderately strong. Color: Close to 144A.

Leaf description:

Arrangement.—Alternate; simple.

Length.—About 5 cm.

Width.—About 8.1 cm.

Shape.—Roughly reniform; palmately lobed.

Apex.—Lobe apices, acute.

Base.—Cordate.

Margin.—Crenate.

Venation pattern.—Palmate.

Texture, upper surface.—Pubescent.

Texture, lower surface.—Smooth, glabrous.

Color.—Developing and fully expanded leaves, upper surface: Close to 147A; venation, close to 144A. Developing and fully expanded leaves, lower surface: Close to 137D; venation, close to 144A. Zonation pattern: Distance from margin: About 2.2 cm. Width: About 9.4 mm. Color: Close to 200A.

Petioles.—Length: About 5.7 cm. Diameter: About 3 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: Close to 144A.

Flower description:

Flower arrangement.—Semi-double type flowers arranged in rounded hemispherical umbels arising from apical leaf axils; umbels displayed above the foliar plane on moderately strong peduncles; flowers face mostly upright to outwardly.

Fragrance.—None detected.

Flowering habit.—Freely flowering habit, about 19 to 21 flowers per umbel and potentially about seven flower umbels developing per plant.

Flowering season.—Year-round under greenhouse conditions; in outdoor nurseries and gardens in Germany, flowering is continuous from spring throughout the summer until the autumn; plants begin to flower about nine weeks after planting.

Flower longevity.—Individual flowers last about five to seven days on the plant; flowers persistent.

Umbel height.—About 7 cm.

Umbel diameter.—About 13 cm.

Flower diameter.—About 4.1 cm by 5.1 cm.

Flower depth (height).—About 2.1 cm.

Flower buds.—Length: About 9 mm. Diameter: About 4.6 mm. Shape: Ovoid. Color: Close to 144A.

Petals.—Quantity per flower: About five arranged in a single whorl. Length: About 2.9 cm. Width: About 2.2 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Sinuate. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening, upper surface: Close to 57B and 44A. When opening, lower surface: Close to 58C. Fully opened, upper surface: Close to 57A and 44A; colors becoming closer to 57B and 44C with development. Fully opened, lower surface: Close to 58B; color becoming closer to 58C with development.

Petaloids.—Quantity per flower: About five in a single whorl. Length: About 7.2 mm. Width: About 1.2 mm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Sinuate. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening, upper surface: Close to 57C. When opening, lower surface: Close to 58D. Fully opened, upper surface: Close to 57B. Fully opened, lower surface: Close to 58C.

Sepals.—Quantity per flower: Five arranged in a single whorl. Length: About 1.2 cm. Width: About 4 mm.

Shape: Ensiform. Apex: Apiculate. Margin: Entire.
Texture, upper and lower surfaces: Smooth, glabrous.
Color, upper and lower surfaces: Close to 144A.

Peduncles (umbel stems).—Length: About 14.5 cm.
Diameter: About 5.3 mm. Strength: Moderately 5
strong. Texture: Smooth, glabrous. Color: Close to
144A and 83A.

Pedicels (individual flower stems).—Length: About 2.8
cm. Diameter: About 1 mm. Strength: Moderately 10
strong. Texture: Smooth, glabrous. Color: Close to
144A and 59B.

Reproductive organs.—Androecium: Stamen quantity
per flower: Five. Filament length: About 8.4 mm.
Filament color: Close to 155A. Anther length: About 15
1 mm. Anther shape: Oblong. Anther color: Close to
25A. Pollen amount: Moderate. Pollen color: Close to
28A. Gynoecium: Pistil quantity per flower: One. Pis-
til length: About 7 mm. Stigma shape: Crested.

Stigma color: Close to 63A. Style length: About 2
mm. Style color: Close to 63B. Ovary color: Close to
191B.

Seeds and fruits.—Seed and fruit development have not
been observed on plants of the new Interspecific Gera-
nium.

Disease & pest resistance: Plants of the new Interspecific
Geranium have not been observed to be resistant to patho-
gens and pests common to Interspecific Geranium plants.

Garden performance: Plants of the new Interspecific Gera-
nium have been observed have good garden performance
and to tolerate rain, wind, and temperatures ranging from
about 5° C. to about 40° C.

It is claimed:

1. A new and distinct Interspecific Geranium plant named
'Duesarpun' as illustrated and described.

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