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Dümmen

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[54] **NEW GUINEA IMPATIENS PLANT NAMED 'DUERIDESAL'**

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[58] **Field of Search** Plt./317, 318

[56] **References Cited**

U.S. PATENT DOCUMENTS

P.P. 9,148 5/1995 Kientzler Plt./318

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[57] **ABSTRACT**

A new and distinct variety of New Guinea Impatiens plant named 'Dueridesal', characterized by its bright salmon petal color; extreme floriferousness with numerous flowers per plant; freely and basally branching plant habit; and dark green, glossy and non-variegated foliage.

1 Drawing Sheet

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct variety of New Guinea Impatiens plant, botanically known as *Impatiens hawkeri*, and hereinafter referred to by the name 'Dueridesal'.

The new variety is a product of a planned breeding program conducted by the inventor in Rheinberg, Germany. The objective of the breeding program is to develop New Guinea Impatiens that are freely branching; compact; early flowering; and that have desirable flower and leaf colors.

The new cultivar originated from a cross made by the inventor of the variety Grenada (disclosed in U.S. Plant Pat. No. 9,343) as the male, or pollen, parent with the variety HWD Bourree (disclosed in U.S. Plant Pat. No. 9,742) as the female, or seed, parent.

'Dueridesal' was discovered and selected in 1995 by the inventor as a single flowering plant within the progeny of the stated cross in a controlled environment in Rheinberg, Germany.

Asexual reproduction of the new variety by terminal cuttings taken at Rheinberg, Germany, has shown that the unique features of this new variety are stable and reproduced true to type in successive generations of asexual reproduction.

BRIEF SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and are determined to be the unique characteristics of 'Dueridesal'. These characteristics in combination distinguish 'Dueridesal' as a new and distinct variety:

1. Bright salmon petal color.
2. Extremely floriferous with numerous flowers per plant.
3. Dense and bushy plant habit.
4. Freely and basally branching plant habit.
5. Dark green, glossy and non-variegated foliage.

The new variety can be compared to the commercial cultivar Grenada. However, in side-by-side comparisons conducted by the inventor in Rheinberg, Germany, plants of the new variety differed from plants of 'Grenada', in the following characteristics:

1. Plants of the new variety are taller and have longer lateral branches and internodes than plants of 'Grenada'.

2. Plants of the new variety are more freely branching than plants of 'Grenada'.

3. Plants of the new variety are denser with more leaves per lateral branch than plants of 'Grenada'.

4. Leaves of plants of the new variety are larger than leaves of plants of 'Grenada'.

5. Plants of the new variety are much more floriferous with almost three times as many flowers and buds per plant as plants of 'Grenada'.

6. Plants of the new variety have larger flowers than plants of 'Grenada'.

7. Flower petals of plants of the new variety are longer than flower petals of plants of 'Grenada'.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the overall appearance of the new variety, showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type. The photograph comprises a top perspective view of a typical plant of 'Dueridesal' grown in a 12-cm container.

DETAILED BOTANICAL DESCRIPTION

Plants of 'Dueridesal' have not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, daylength and light intensity, without, however, any variance in genotype. The following observations and measurements describe plants grown in 12-cm containers during the spring in Rheinberg, Germany, under commercial practice in a glass-covered greenhouse with day and night temperatures about 18° C. and light levels about 45 thousand lux.

In the following description, color refernces are made to The Royal Horticultural Society Colour Chart except where general terms of ordinary dictionary significance are used.

Botanical classification: *Impatiens hawkeri* 'Dueridesal'.

Parentage:

Male, or pollen, parent.—*Impatiens hawkeri* 'Grenada'.

Female, or seed, parent.—*Impatiens hawkeri* 'HWD Bourree'.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—Summer: About 10 days at 22° C. Winter: About 12 days at 22° C.

Time to develop roots.—Summer: About 21 days at 22° C. Winter: About 26 days at 22° C.

Rooting habit.—Freely branching.

Plant description:

General appearance.—Rounded; dense and bushy; very freely and basally branching; upright and spreading; moderate growth rate and vigor; suitable for 10 to 16-cm pots.

Plant height.—About 17 cm from soil level to top of plant plane.

Lateral branches.—Length: About 17 cm. Diameter: About 6 mm. Internode length: About 4.25 cm. Color: 132A.

Foliage description.—Quantity of leaves per lateral branch: About 36. Shape: Elliptic with acuminate tip and attenuate base. Length: About 8.9 cm. Width: About 3.1 cm. Texture: Smooth, glossy and glabrous. Margin: Serrulate. Color: Young foliage, upper surface: 136A. Young foliage, lower surface: 136B. Mature foliage, upper surface: 147A. Mature foliage, lower surface: 139B. Veins, upper surface: 138A. Veins, lower surface: 139A. Petiole: Length: About 2.1 cm. Diameter: About 3.3 mm. Color: 135A.

Flower description:

Flowering habit.—Freely flowering.

Natural flowering season.—Year-round. Plants flower about 8 weeks after planting.

Flowers borne.—Flower buds develop in apical leaf axils. Open flowers are displayed above the foliage.

Quantity of inflorescences.—Extremely floriferous; usually about 125 buds and flowers per plant.

Flower shape.—Rounded and flat in aspect.

Flower diameter.—About 7 cm.

Flower depth (*height*).—About 4 mm.

Petals.—Shape: Reniform with emarginate apex and acute base. Quantity, arrangement: 5 petals overlapping. Aspect: Flat. Length: About 3.3 cm. Width: About 3 cm. Texture: Smooth, satiny, and glabrous. Margin: Entire. Color: When opening, upper surface: Body, 34C; towards base, light pink, 62D, with dark pink, 66A, eye. When opening, lower surface: 35C. Fully opened, upper surface: Body, 34C; towards base, light pink, 62D, with dark pink, 66A, eye. Fully opened, lower surface: 35C.

Peduncle.—Angle: Erect. Length: About 4.3 cm. Color: 148A/199A.

Flower bud.—Shape: Ovoid with spur. Length: About 1.7 cm. Diameter: About 1.1 cm. Color: 40A.

Spur.—Shape: Needle-shaped, curved at end. Length: About 4.8 cm. Color: 47A.

Reproductive organs.—Androecium: Stamen number: 5. Anther shape: Ovate. Anther size: About 6 mm. Anther color: 20B. Pollen color: 4D. Amount of pollen: Abundant. Gynoecium: Pistil length: About 5.6 mm. Style color: 147B. Stigma color: 134B. Ovary color: 147B.

Disease resistance: No fungal, bacterial nor viral problems observed.

Seed development: Seed production is very rarely observed.

It is claimed:

1. A new and distinct variety of New Guinea Impatiens plant named 'Dueridesal', as illustrated and described.

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