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Dümmen

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[54] NEW GUINEA IMPATIENS PLANT NAMED
‘DUECONTO’
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[56] References Cited
PUBLICATIONS
UPOVROM Disk 1997/01 Result Sheet “Dueconto”, 1997.
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[57] ABSTRACT
A new and distinct cultivar of New Guinea Impatiens plant
named ‘Dueconto’, characterized by its salmon pink flow-
ers; floriferousness; early flowering; flowers that are resis-
tant to rain damage; compact growth habit; freely branching
plant habit; and dark green and satiny non-variegated foli-
age.

1 Drawing Sheet

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The present invention relates to a new and distinct cultivar
of New Guinea Impatiens plant, botanically known as *Impa-
tiens hawkeri*, named ‘Dueconto’. It is anticipated that the
plant of this application will be marketed under the Trade-
mark “HWD Concerto”. Accordingly, the plant of this appli-
cation may be referred to as “HWD Concerto” ‘Dueconto’ in
the market place.

The new cultivar is a product of a planned breeding
program conducted by the inventor in Rheinberg, Germany.
The objective of the breeding program was to develop a new
salmon pink-flowered variety that was freely branching;
compact in growth habit; flowered early; and with flowers
resistant to rain damage.

The new cultivar originated from a cross made by the
inventor of the cultivar ‘Aruba’ (disclosed in U.S. Plant Pat.
No. 8,456) as the male or pollen parent with the cultivar
‘Delias’ (disclosed in U.S. Plant Pat. No. 7,838) as the
female or seed parent.

The cultivar ‘Dueconto’ was discovered and selected by
the inventor as a flowering plant within the progeny of the
stated cross in a controlled environment in Rheinberg,
Germany. Asexual reproduction of the new cultivar by
terminal cuttings taken at Rheinberg, Germany, has shown
that the unique features of this new Impatiens are stable and
reproduced true to type in successive generations of asexual
reproduction.

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

1. Salmon pink flowers.
2. Numerous flowers per plant.
3. Early flowering.
4. Flowers that are resistant to rain damage.
5. Compact growth habit.
6. Freely branching plant habit.
7. Dark green and satiny non-variegated foliage.

In comparison to plants of the parent cultivar Aruba,
plants of the new Impatiens have a more compact growth
habit and flower earlier. Additionally, plants of the new
Impatiens have salmon pink flowers whereas plants of the
cultivar Aruba have blue purple flowers. Compared to plants
of the parent cultivar Delias, plants of the new Impatiens
have larger flowers, flower earlier, and are more compact.
Additionally plants of the new Impatiens have salmon pink
flowers whereas plants of the cultivar Delias have medium
pink flowers.

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The accompanying colored photograph illustrates the
overall appearance of the new cultivar, showing the colors as
true as it is reasonably possible to obtain in colored repro-
ductions of this type.

The photograph comprises a top perspective view of a
typical potted plant of ‘Dueconto’ with one plant in a 12-cm
container.

Some of the flowers in the photograph appear darker in
color than the actual flower color due to light reflectance.

The cultivar ‘Dueconto’ has not been observed under all
possible environmental conditions. The phenotype may vary
somewhat with variations in environment such as tempera-
ture and light intensity, without, however, any variance in
genotype. The following observations, measurements and
comparisons describe plants grown in Rheinberg, Germany,
under commercial practice in a glass-covered greenhouse
with day temperatures of 28° C. and night temperatures of
20° to 22° C. and light levels of 30,000 to 40,000 lux.

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

Classification:
Botanical.—*Impatiens hawkeri*.
Commercial.—New Guinea Impatiens.
Cultivar.—‘Dueconto’.

Parentage:
Male parent.—Cultivar ‘Aruba’ (disclosed in U.S. Plant
Pat. No. 8,456).
Female parent.—Cultivar ‘Delias’ (disclosed in U.S.
Plant Pat. No. 7,838).

Propagation:
Type cutting.—Terminal cuttings.
Time to initiate roots.—Summer, 27C: About 21 days.
Winter, 20C: About 28 days.

Plant Description:
General appearance.—Rounded; dense; freely branch-
ing and compact growth habit; upright and spread-
ing; moderate growth rate; suitable for 10 to 12-cm
pots.
Plant height.—16 to 17 cm from soil level to top of
plant plane.
Foliage description.—Shape: Elliptic with acuminate
tip and attenuate base. Size: Length: 9.5 to 11 cm.
Width: 3.2 to 4 cm. Texture: Smooth, satiny, and

glabrous. Margin: Finely serrated, ciliate. Petiole length: 1 to 1.5 cm. Color: Young foliage, upper surface: Darker than 137A. Young foliage, under surface: 147B. Mature foliage, upper surface: Darker than 137A. Mature foliage, under surface: 147B. Veins, upper surface: Midvein dark purple, 59A, laterals, 147B. Veins, under surface: Midvein, 146D, laterals, 146A. Petiole: 147C/147D under side with dark pink, 63B, on upper side.

Stem description.—Internode length: 4 to 5 cm. Stem color: More mature stems, green, 146C. Younger stems are purple, 59A.

Flower description:

Flowering habit.—Freely flowering.

Natural flowering season.—Year-round. Under summer conditions, plants flower 6 to 7 weeks after planting; under winter conditions, plants flower 9 to 11 weeks after planting.

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

Quantity of inflorescences.—Very floriferous; usually 17 to 19 buds and open flowers per axil.

Flower longevity on plant.—From opening, flowers will last 7 to 12 days.

Flower diameter.—About 6 cm.

Flower depth (height).—1.5 to 2 cm.

Petals.—Shape: Cordate. Quantity, arrangement: 5 petals overlapping. Aspect: Flat. Size: Length: About

3.1 cm. Width: About 3.5 cm. Texture: Smooth, satiny, and glabrous. Margin: Entire. Color: When opening: 52B. Upper surface: Iridescent, 52C. Small red purple, 57A, eye and lighter red purple, 57D, streaks and flecks. Under surface: 58C. Small red purple, 57A, eye and lighter red purple, 57D, streaks and flecks.

Peduncle.—Angle. Erect. Length: About 4 cm. Color: Proximal, 144B, distal, 59B.

Flower bud.—Shape: Ovoid with spur. Length: About 1.5 cm. Diameter: About 1 cm. Color: 59A.

Spur.—Shape: Needle-shaped, curved at end. Color: 45A/46A/185A.

Sepals.—Arrangement: Opposite. Quantity: 2. Shape: Ensiform with acuminate tip. Texture: Shiny, smooth and glabrous. Margin: Entire. Color: Upper side: Proximal, 145C/145D, distal, 66C. Under side: Proximal, 145C/145D, distal, 66C.

Reproductive organs.—Androecium: Stamen number: 5. Anther color: 57C. Pollen color: 11D. Gynoecium: Ovary color: 144A.

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 cultivar of New Guinea Impatiens plant named 'Dueconto', as illustrated and described.

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U.S. Patent

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