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Dümmen

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[54] NEW GUINEA IMPATIENS PLANT NAMED  
‘HWD MELODIE’  
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Germany  
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[57] ABSTRACT  
A new and distinct cultivar of New Guinea Impatiens plant  
named HWD Melodie, characterized by its medium light  
pink flowers; floriferousness; flowers that are resistant to  
rain damage; compact growth habit; freely branching plant  
habit; and dark green and glossy non-variegated foliage.

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*, known as the variety Duemel, and hereinafter  
referred to by the cultivar name HWD Melodie.  
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  
light pink-flowered variety that was freely branching and  
with flowers resistant to rain damage.  
The new cultivar originated from a cross made by the  
inventor of the cultivar Delias (U.S. Plant Pat. No. 7,838) as  
the male or pollen parent with the cultivar Tahiti (U.S. Plant  
Pat. No. 8,601) as the female or seed parent.  
The cultivar HWD Melodie 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 featured of this new Impatiens are stabilized  
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 HWD  
Melodie. These characteristics in combination distinguish  
HWD Melodie as a new and distinct cultivar:  
1. Medium light pink flowers.  
2. Floriferous.  
3. Flowers that are resistant to rain damage.  
4. Compact growth habit.  
5. Freely branching plant habit.  
6. Dark green and glossy non-variegated foliage.  
In comparison to the parent cultivar Delias, the new  
Impatiens has a more compact growth habit; flowers that are  
larger in diameter and more resistant to rain damage; and a  
lighter pink flower color. The flower color is similar to the  
parent cultivar Tahiti, however, the new Impatiens has flat,  
not cupped flowers, that are more resistant to rain damage,  
and the new Impatiens is more floriferous in comparison to  
cultivar Tahiti.  
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 HWD Melodie  
with one plant in a 15-cm container.  
The cultivar HWD Melodie has 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 vari-

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ance in genotype. The following observations, measure-  
ments 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.—HWD Melodie’.  
Parentage:  
Male parent.—‘Delias’ U.S. (Plant Pat. No. 7,838).  
Female parent.—‘Tahiti’ (U.S. Plant Pat. No. 8,601).  
Propagation:  
Type cutting.—Terminal cuttings.  
Time to initiate roots.—Summer: 27° C., 21 days;  
winter: 20° C., 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 16-cm  
pots.  
Plant height.—19 cm from soil level to top of plant  
plane.  
Foliage description.—Shape: Elliptic with acuminate  
tip and attenuate base. Size: Length: 6.5 to 9 cm.  
Width: 2 to 3 cm. Texture: Smooth, glossy, and  
glabrous. Margin: Finely serrated, ciliate. Petiole  
length: 0.5 to 1.5 cm. Color: Young foliage, upper  
surface: 139A. Young foliage, under surface:  
Greener than 147B. Mature foliage, upper surface:  
139A. Mature foliage, under surface: Greener than  
147B. Veins, upper surface: 59B. Veins, under sur-  
face: 59B. Petiole: 59B.  
Stem description.—Internode length: 3 cm. Stem color:  
183B.  
Flowering description:  
Flowering habit.—Freely flowering.  
Natural flowering season.—Year-round. Under sum-  
mer conditions, plants flower 6 to 7 weeks after  
planting; under winter conditions, plants flower 9 to  
11 weeks after planting.  
Flowers borne.—Flower buds develop in apical leaf  
axils. Open flowers are displayed above the foliage.

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*Quantity of inflorescences.*—Very floriferous; usually 10 to 12 buds and flowers per axil; usually more than 30 open flowers per plant open at one time.

*Flower longevity on plant.*—From opening, flowers will last 7 to 10 days.

*Flower diameter.*—5.5 cm.

*Flower depth (height).*—2 cm.

*Petals.*—Shape: Cordate. Quantity, arrangement: 5 petals overlapping. Aspect: Flat. Size: Length: 2.75 cm. Width: 3 cm. Texture: Smooth, satiny, and glabrous. Margin: Entire. Color: When opening: 62 C with eye, 66B. Upper surface: 62C with eye, 66B. Under surface: Predominantly 68A; base, 66B; towards margin, 69A; margin, almost white, 155D; streaks of 68A Fading to: Petal color does not fade.

*Peduncle.*—Angle: Erect. Length: 4.5 cm. Color: 185A.

*Flower bud.*—Shape: Ovoid with spur. Length: 1.5 cm. Diameter: 1 cm. Color: 67C.

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*Spur.*—Shape: Needle-shaped, curved at end. Color: 59B.

*Sepals.*—Arrangement: Opposite. Quantity: 2. Shape: Ensiform with acuminate tip. Texture: Smooth and glabrous. Margin: Entire. Color: 184A.

*Reproductive organs.*—Androecium: Stamen number: 5. Anther color: Base, 67A; top, 11D. Pollen color: 11D. Gynoecium: Stigma color: 144D. Ovary color: 137A. Ovary size: 1 to 3 mm.

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 HWD Melodie, as illustrated and described.

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**U.S. Patent**

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