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Heffner

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(54) **DOUBLE IMPATIENS PLANT NAMED**
'BODDBLDPK'

(22) Filed: **Oct. 13, 2003**

(50) Latin Name: *Impatiens walleriana*
Varietal Denomination: **Boddbldpk**

(51) **Int. Cl.**⁷ **A01H 5/00**

(52) **U.S. Cl.** **Plt./317**

(58) **Field of Search** **Plt./317**

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(57) **ABSTRACT**

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

A new and distinct cultivar of Double Impatiens plant named
'Boddbldpk', characterized by its compact, mounded and
outwardly spreading plant habit; freely basal branching
habit; dark green leaves; large dark pink-colored flowers;
fully double flower form; freely flowering habit; and flowers
positioned above and beyond the foliage.

(21) Appl. No.: **10/684,571**

1 Drawing Sheet

1

2

Botanical classification: *Impatiens walleriana* cultivar
Boddbldpk.

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct culti-
var of Double Impatiens plant, botanically known as *Impa-
tiens walleriana*, and hereinafter referred to by the name
'Boddbldpk'.

The new Impatiens is a product of a planned breeding
program conducted by the Inventor in Lompoc, Calif. The
objective of the breeding program was to develop new
compact Double Impatiens cultivars with large fully double
flowers, excellent branching, and attractive flower and foli-
age colors.

The new Impatiens originated from a cross made by the
Inventor in September, 1999, of a proprietary *Impatiens
walleriana* selection identified as 8IM10-23, not patented, as
the female, or seed parent, with a proprietary *Impatiens
walleriana* selection identified as 8IM746-3, not patented, as
the male, or pollen parent. The cultivar Boddbldpk was
discovered and selected by the Inventor as a flowering plant
within the progeny of the stated cross in a controlled
environment in Lompoc, Calif.

Asexual reproduction of the new cultivar by terminal
cuttings taken at Lompoc, Calif. since 1999, has shown that
the unique features of this new Impatiens 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 'Bod-
dbldpk'. These characteristics in combination distinguish
'Boddbldpk' as a new and distinct cultivar:

1. Compact, mounded and outwardly spreading plant habit.
2. Freely basal branching habit.
3. Dark green leaves; densely foliated.
4. Large dark pink-colored flowers.
5. Fully double flower form.

6. Freely flowering habit.

7. Flowers positioned above and beyond the foliage.

Plants of the new Impatiens differ from plants of the
female parent in flower form and coloration as flowers of
plants of the female parent are semi-double in form and have
orange-colored petals. Plants of the new Impatiens differ
from plants of the male parent in flower form and coloration
as flowers of plants of the male parent are single and have
lighter pink-colored petals.

The new Impatiens can be compared to the *Impatiens
walleriana* cultivar Boddbldpin, disclosed in U.S. Plant Pat.
No. 12,427. However, in side-by-side comparisons con-
ducted in Lompoc, Calif., plants of the new Impatiens
differed from plants of the cultivar Boddbldpin in the follow-
ing characteristics:

1. Plants of the new Impatiens had darker green-colored
foliage than plants of the cultivar Boddbldpin.
2. Plants of the new Impatiens had slightly smaller flowers
than Boddbldpin.
3. Flower color of plants of the new Impatiens was darker
pink than flower color of plants of the cultivar Bod-
dbldpin.

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 repro-
ductions 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
Impatiens.

The photograph at the top of sheet comprises a side
perspective view of a typical flowering plant of 'Boddbldpk'
grown in a 15-cm container for about 12 weeks.

The photograph at the bottom of the sheet comprises a
close-up view of typical developing flowers and leaves of
'Boddbldpk'.

DETAILED BOTANICAL DESCRIPTION

The cultivar Boddbldpk 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 variance in genotype. Plants used in the aforementioned photographs and for the following description were grown in Lompoc, Calif., under commercial practice during the summer and fall in a polycarbonate-covered greenhouse with day temperatures about 24 to 27° C., night temperatures about 16 to 18° C. and light levels about 4,000 to 8,000 foot-candles. Unrooted cuttings were directly planted in 15-cm containers and grown for about 12 weeks. 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: *Impatiens walleriana* cultivar Boddldpk.

Parentage:

Female parent.—Proprietary *Impatiens walleriana* selection identified as 8IM10-23, not patented.

Male parent.—Proprietary *Impatiens walleriana* selection identified as 8IM746-3, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—About 10 to 14 days at 21° C.

Time to produce a rooted cutting or liner.—About 21 to 28 days at 21° C.

Root description.—Numerous and fine.

Rooting habit.—Freely branching.

Plant description:

General appearance.—Compact, mounded and outwardly spreading. Appropriate for 15-cm and larger containers.

Growth and branching habit.—Moderately vigorous and freely-basal branching with about ten lateral branches developing at the base; dense and bushy growth. Pinching, that is, removal of the terminal apices, will enhance branching.

Crop time.—About eight to nine weeks are required to produce a finished flowering plant from planting an unrooted cutting in a 15-cm pot.

Plant height.—About 15 cm.

Plant diameter or spread.—About 42 cm.

Lateral branches.—Length: About 17.5 cm. Diameter: About 5 mm. Internode length: About 2.25 cm. Texture: Smooth. Color: 147C; near the nodes, 59B to 59C.

Foliage description.—Arrangement: Simple, alternate. Length: About 3.8 cm. Width: About 2.8 cm. Shape: Elliptic. Apex: Acuminate. Base: Attenuate. Margin: Serrate, rounded. Texture, upper and lower surfaces: Glabrous, smooth. Venation pattern: Pinnate, arcuate. Color: Developing foliage, upper surface: 137A. Developing foliage, lower surface: 147B to 147C. Fully expanded foliage, upper surface: More green

than 146A. Fully expanded foliage, lower surface: 147B to 147C. Venation, upper and lower surfaces: 147B. Petiole: Length: About 1.9 cm. Diameter: About 1.5 mm. Color: 157A.

Flower description:

Flower type and habit.—Numerous and consistently large fully double flowers. Freely and continuously flowering. Flower buds open similar to a rose in fullness; flowers rounded. Flowers arise from leaf axils. Typically about 20 flowers and flower buds per lateral branch. Flowers positioned above and beyond the foliage and typically face mostly outward. Flowers last about five to seven days under greenhouse conditions. Flowers not persistent. Flowers not fragrant.

Flowering season.—Year-round under greenhouse conditions. In the garden, flowering is continuous from spring until fall.

Flower size.—Diameter: About 4.1 cm. Depth: About 2 cm.

Flower buds.—Length, at stage of showing color: About 1.5 cm. Diameter, at stage of showing color: About 1.8 cm. Shape: Ovoid. Color: 68D.

Petals.—Quantity/arrangement: About 20 per flower, imbricate. Length, outer petals: About 2 cm. Width, outer petals: About 1.5 cm. Shape: Obovate to cordate. Apex: Rounded or occasionally emarginate. Base: Acute. Margin: Entire. Texture, upper and lower surfaces: Velvety, smooth. Color: When opening, upper surface: 67C. When opening, lower surface: 73D. Fully opened, upper surface: 67B; towards the base, 61C; color becoming closer to 67C with development. Fully opened, lower surface: 73D.

Spurs.—Length: About 3.4 cm. Color: 147C; towards the apex, 59D.

Sepals.—Quantity/arrangement: Five in a single whorl. Calyx length: About 1.1 cm. Calyx diameter: About 1 cm. Shape: Elliptic. Apex: Broadly acute. Margin: Entire. Texture, upper and lower surfaces: Smooth. Color: Upper surface: 145D. Lower surface: 145C.

Peduncles.—Length: About 3.5 cm. Diameter: About 1.5 mm. Angle: About 45 to 60° to the lateral branch. Strength: Moderately strong. Color: 145B.

Reproductive organs.—None observed.

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

Disease/pest resistance: Plants of the new *Impatiens* have not been observed to be resistant to pathogens and pests common to *Impatiens*.

It is claimed:

1. A new and distinct cultivar of Double *Impatiens* plant named 'Boddldpk', as illustrated and described.

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