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Dümmen

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(54) **GERANIUM PLANT NAMED ‘DUEVICHER’**
(75) Inventor: **Marga Dümmen**, Rheinberg (DE)
(73) Assignee: **Dümmen Jungpflanzen GbR**,
Rheinberg (DE)
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patent is extended or adjusted under 35
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(58) **Field of Search** **Plt./330**
Primary Examiner—Kent Bell
(74) *Attorney, Agent, or Firm*—C. A. Whealy
(57) **ABSTRACT**
A new and distinct cultivar of Zonal Geranium plant named
‘Duevicher’, characterized by its upright, outwardly spread-
ing and rounded plant habit; freely branching habit; freely
flowering habit; and red-colored flowers.

1 Drawing Sheet

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**BOTANICAL CLASSIFICATION/CULTIVAR
DENOMINATION**

Pelargonium×hortorum cultivar ‘Duevicher’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of Zonal Geranium plant, botanically known as
Pelargonium×hortorum, and hereinafter referred to by the
name ‘Duevicher’.
The new Zonal Geranium is a product of a planned
breeding program conducted by the Inventor in Rheinberg,
Germany. The objective of the breeding program was to
develop new Zonal Geraniums with attractive flower and
foliage colors.
The new Zonal Geranium originated from a cross-
pollination made by the Inventor in September, 1998, of a
proprietary selection of *Pelargonium×hortorum* identified as
code number F-03-08, not patented, as the female, or seed,
parent with a proprietary selection of *Pelargonium×*
hortorum identified as code number F-02-05, not patented,
as the male, or pollen, parent. The cultivar Duevicher was
discovered and selected by the Inventor as a flowering plant
within the progeny from this cross in a controlled environ-
ment in Rheinberg, Germany in September, 2001.
Asexual reproduction of the new cultivar by terminal
vegetative cuttings taken at Rheinberg, Germany since
September, 2001, has shown that the unique features of this
new Zonal Geranium 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
‘Duevicher’. These characteristics in combination distin-
guish ‘Duevicher’ as a new cultivar and distinguish it from
other known Zonal Geranium cultivars:
1. Upright, outwardly spreading and rounded plant habit.
2. Freely branching habit.
3. Freely flowering habit.
4. Red-colored flowers.
Compared to plants of the female parent, the selection
F-03-08, plants of the new Zonal Geranium are more vig-
orous. Compared to plants of the male parent, the selection

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F-02-05, plants of the new Zonal Geranium differ in flower
color.
The new Zonal Geranium can be compared to plants of
the cultivar ‘HWD Fuega’, disclosed in U.S. Plant Pat. No.
9,731. In side-by-side comparisons conducted in Rheinberg,
Germany, plants of the new Zonal Geranium differed from
plants of the cultivar HWD Fuega in the following charac-
teristics:
1. Plants of the new Zonal Geranium were more compact
than plants of the cultivar HWD Fuega.
2. Leaves of plants of the new Zonal Geranium had a
zonation pattern whereas leaves of plants of the cultivar
HWD Fuega did not have a zonation pattern.
3. Plants of the new Zonal Geranium had smaller flowers,
but more flowers per umbel than plants of the cultivar
HWD Fuega.
4. Plants of the new Zonal Geranium had shorter
peduncles and pedicels than plants of the cultivar HWD
Fuega.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

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. Flower and foliage 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 Zonal Geranium. The photograph
comprises a side perspective view of typical flowering plants
of ‘Duevicher’ grown in a container.

DETAILED BOTANICAL DESCRIPTION

The cultivar Duevicher 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 aforementioned photograph, following observations
and measurements describe plants grown in Rheinberg,
Germany during the summer under commercial practice in
a glass-covered greenhouse with day and night temperatures
about 18° C. and light levels about 4,500 foot-candles.
Plants were grown in 10.5-cm containers. Plants were about

eight weeks from unrooted cuttings when the photograph and the detailed botanical description were taken.

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: *Pelargonium×hortorum* cultivar Duevicher, also known as Z98-1016-01.

Parentage:

Female parent.—Proprietary selection of *Pelargonium×hortorum* identified as F-03-08, not patented.

Male parent.—Proprietary selection of *Pelargonium×hortorum* identified as F-02-05, not patented.

Propagation:

Type cutting.—Terminal vegetative cuttings.

Time to initiate roots.—Summer: About 5 days at 20° C.

Winter: About 7 days at 20° C.

Time to develop roots.—Summer: About 21 days at 20° C. Winter: About 28 days at 20° C.

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

Rooting habit.—Freely branching.

Plant description:

General appearance.—Upright, outwardly spreading and rounded plant habit; densely foliated.

Growth and branching habit.—Moderately vigorous. Basal branching, about three lateral branches per plant.

Plant height.—About 22 cm.

Plant width.—About 22 cm.

Lateral branches.—Length: About 10 cm. Internode length: About 1.5 cm. Texture: Smooth. Color: 144A.

Foliage description.—Arrangement: Alternate, single. Quantity of leaves per lateral branch: About six. Length: About 8.3 cm. Width: About 9.7 cm. Shape: Reniform. Apex: Rounded. Base: Cordate. Margin: Crenate. Venation pattern: Palmate. Texture, upper and lower surfaces: Pubescent. Color: Young and fully expanded foliage, upper surface: 137B. Young and fully expanded foliage, lower surface: 138B. Venation, upper and lower surfaces: 144A. Zonation pattern: Width: About 2.5 cm. Color: 137A. Petiole: Length: About 7.7 cm. Diameter: About 3 mm. Color, upper and lower surfaces: 144A.

Flower description:

Flower arrangement.—Red-colored double flowers arranged in rounded hemispherical umbels arising from apical leaf axils. Umbels displayed above and beyond the foliage on peduncles. Flowers rounded in form. Umbels persistent, flowers not persistent. Flowers not fragrant.

Quantity of flowers.—Freely flowering; at full flower, plants have about six open and developing umbels with about 30 to 35 flowers per umbel.

Flowering season.—Flowering continuous spring until the autumn.

Flower longevity.—Flowers last about five to seven days on the plant.

Umbel size.—Height: About 6 cm. Diameter: About 10.5 cm.

Flower size.—Diameter: About 4.6 cm. Depth (height): About 1.6 cm.

Flower buds.—Length: About 1.2 cm. Diameter: About 7 mm. Shape: Ovoid. Color: 144A.

Petals.—Quantity per flower: About five. Length: About 2.5 cm. Width: About 2.1 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Entire; sinuate. Texture, upper and lower surfaces: Smooth. Color: When opening and fully opened, upper surface: Between 45B and 53C; towards the base, close to 155D. When opening and fully opened, lower surface: 45C.

Petaloids.—Quantity per flower: About five. Length: About 1.9 cm. Width: About 1.2 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Entire; sinuate. Texture, upper and lower surfaces: Smooth. Color: When opening and fully opened, upper surface: Between 45B and 53C; towards the base, close to 155D. When opening and fully opened, lower surface: 45C.

Sepals.—Quantity per flower: Five, arranged in a single whorl. Length: About 9.7 mm. Width: About 2.4 mm. Shape: Elongated, tapering. Apex: Apiculate. Margin: Entire. Texture, upper and lower surfaces: Smooth; glabrous. Color, upper and lower surfaces: 144A.

Peduncle (umbel stem).—Length: About 17.5 cm. Diameter: Less than 1 cm. Angle: Mostly erect. Strength: Moderately strong. Texture: Smooth; glabrous. Color: 144A.

Pedice (individual flower stem).—Length: About 3.1 cm. Diameter: About 1 mm. Angle: Mostly erect. Strength: Moderately strong. Texture: Pubescent. Color: 144A faintly overlain with 59B.

Reproductive organs.—Androecium: Anther quantity per flower: About six. Anther length: About 2 mm. Anther shape: Ovate. Anther color: 45D. Pollen amount: Moderate. Pollen color: 25A. Gynoecium: Pistil quantity per flower: One. Pistil length: About 9 mm. Stigma shape: Five-parted, star-shaped. Stigma color: 53A. Style length: About 3 mm. Style color: 53B. Ovary color: 144A.

Seed/fruit.—Development of seeds and fruit have not been observed.

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

Temperature tolerance: Plants of the new Zonal Geranium have been observed to be tolerant to temperatures ranging from 5 to 40° C.

It is claimed:

1. A new and distinct cultivar of Zonal Geranium plant named 'Duevicher', as herein illustrated and described.

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