



(12) **United States Plant Patent**
Li

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(54) **VERBENA PLANT NAMED ‘KLEVE03321’**

(50) Latin Name: *Verbena hybrida*
Varietal Denomination: **KLEVE03321**

(75) Inventor: **Ruijun Li**, North Parramata (AU)

(73) Assignee: **Klemm & Sohn GmbH & Co. KG**,
Stuttgart (DE)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
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(51) **Int. Cl.**
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(52) **U.S. Cl.** **Plt./308**

(58) **Field of Classification Search** **Plt./308**
See application file for complete search history.

Primary Examiner—Anne Marie Grunberg

(74) *Attorney, Agent, or Firm*—C. A. Whealy

(57) **ABSTRACT**

A new and distinct cultivar of *Verbena* plant named
‘KLEVE03321’, characterized by its compact, upright, out-
wardly spreading and mounded plant habit; freely branching
habit; dense and bushy growth habit; dark green-colored
leaves; red purple-colored flowers with flowers held above
and beyond the foliage; and resistance to Powdery Mildew.

1 Drawing Sheet

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Botanical classification/cultivar designation: *Verbena*
hybrida cultivar KLEVE03321.

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct culti-
var of *Verbena* plant, botanically known as *Verbena hybrida*,
and hereinafter referred to by the name ‘KLEVE03321’.

The new *Verbena* is a product of a planned breeding
program conducted by the Inventor in Camden, New South
Wales, Australia. The objective of the breeding program is to
develop new compact *Verbena* cultivars with large flowers
and resistance to Powdery Mildew.

The new *Verbena* originated from a cross-pollination
made by the Inventor in 2000 of a proprietary *Verbena*
hybrida selection identified as 00.10.4, not patented, as the
female, or seed, parent with a proprietary selection of
Verbena hybrida identified as code number 00.5.3, not
patented, as the male, or pollen, parent. The cultivar
KLEVE03321 was discovered and selected by the Inventor
as a flowering plant within the progeny from this cross-
pollination in a controlled environment in Camden, New
South Wales, Australia in 2001.

Asexual reproduction of the new cultivar by terminal
cuttings in a controlled environment in Camden, New South
Wales, Australia since 2001, has shown that the unique
features of this new *Verbena* 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
‘KLEVE03321’. These characteristics in combination dis-
tinguish ‘KLEVE03321’ as a new and distinct cultivar:

1. Compact, upright, outwardly spreading and mounded
plant habit.
2. Freely branching habit; dense and bushy growth habit.
3. Dark green-colored leaves.

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4. Red purple-colored flowers with flowers held above
and beyond the foliage.

5. Resistant to Powdery Mildew.

Plants of the new *Verbena* differ primarily from plants of
the parents in plant habit and flower coloration.

Plants of the new *Verbena* can be compared to plants of
the cultivar Balazcherd, not patented. In side-by-side com-
parisons conducted in Camden, New South Wales, Australia,
plants of the new *Verbena* differed primarily from plants of
the cultivar Balazcherd in flower color as flowers of plants
of the cultivar Balazcherd were more red than flowers of
plants of the new *Verbena*.

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. 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
Verbena. The photograph comprises a side perspective view
of a typical flowering plant of ‘KLEVE03321’ grown in a
container.

DETAILED BOTANICAL DESCRIPTION

The cultivar KLEVE03321 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-
ance in genotype. The aforementioned photographs and
following observations and measurements describe plants
grown in Stuttgart, Germany, under commercial practice
during the spring in a glass-covered greenhouse with day
temperatures about 18 to 22° C., night temperatures about 15
to 18° C. and light levels about 20,000 to 55,000 lux.
Cuttings were planted in 12-cm containers and grown for
about five months. In the following description, color ref-
erences are made to The Royal Horticultural Society Colour

Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Verbena hybrida* cultivar KLEVE03321.

Parentage:

Female, or seed, parent.—Proprietary *Verbena hybrida* selection identified as 00.10.4, not patented.

Male, or pollen, parent.—Proprietary *Verbena hybrida* selection identified as code number 00.5.3, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots, summer.—About 5 to 8 days at 20° C.

Time to initiate roots, winter.—About 8 to 10 days at 20° C.

Time to produce a rooted cutting or liner, summer.—About 14 to 20 days at 20° C.

Time to produce a rooted cutting or liner, winter.—About 21 days at 20° C.

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

Rooting habit.—Medium branching; moderately dense.

Plant description:

Form.—Compact, upright, outwardly spreading and mounded plant habit.

Growth and branching habit.—Moderately vigorous and freely-branching with lateral branches potentially developing at every node; dense and bushy growth habit.

Plant height.—About 15 to 20 cm.

Plant diameter or spread.—About 40 to 50 cm.

Lateral branches.—Length: About 20 to 25 cm. Diameter: About 2.5 mm. Internode length: About 3 to 6 cm. Texture: Slightly pubescent. Color: 139B.

Foliage description.—Arrangement: Opposite, simple; sessile. Length: About 3 to 6 cm. Width: About 3 to 4 cm. Shape: Narrowly ovate to deltoid. Apex: Acute. Base: Attenuate. Margin: Crenate. Texture, upper and lower surfaces: Slightly pubescent. Venation pattern: Pinnate. Color: Developing foliage, upper surface: 137B. Developing foliage, lower surface: 137C. Fully expanded foliage, upper surface: 137A. Fully expanded foliage, lower surface: 137C. Venation, upper surface: 137C. Venation, lower surface: 137D.

Flower description:

Flower type and habit.—Single upright salverform flowers arranged on compact terminal racemes; flowers sessile. Freely flowering with about 12 to 24 flowers per raceme. Inflorescences positioned above

and beyond the foliage. Flowers last about one week under greenhouse conditions. Flowers not persistent.

Fragrance.—Faint.

Flowering season.—In the garden, flowering is continuous from spring until fall.

Inflorescence height.—About 2 to 5 cm.

Inflorescence diameter.—About 5 to 6 cm.

Flower size.—Diameter: About 1.5 to 2 cm. Depth: About 5 mm.

Flower buds.—Rate of opening, from showing color to fully open flower: About 1 to 2 days. Length: About 2 to 15 mm. Diameter: About 2 mm. Shape: Tubular, columnar. Color: 137B.

Petals.—Quantity/arrangement: Five per flower fused at base. Lobe length: About 5 to 15 mm. Lobe width: About 5 mm. Shape: Obovate. Apex: Rounded. Margin: Entire. Texture, upper and lower surfaces: Velvety, smooth. Color: When opening, upper surface: 57A. When opening, lower surface: 57B. Fully opened, upper surface: 57A; color becoming closer to 57D with development. Fully opened, lower surface: 57C.

Sepals.—Quantity/arrangement: Five, fused into a tube. Length: About 1 cm. Diameter: About 1 mm. Shape: Lanceolate. Apex: Acute. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Coarse, pubescent. Color, upper and lower surfaces: 137C.

Peduncles.—Length: About 5 cm. Diameter: About 1.5 mm. Angle: Upright to about 45° from vertical. Strength: Strong. Color: Close to 139B.

Reproductive organs.—Stamens: Quantity per flower: Four; adnate to pistil. Anther shape: Elliptic. Anther length: About 1 mm. Anther color: 1C. Pollen amount: Scarce. Pollen color: 1C. Pistils: Quantity per flower: One. Pistil length: About 1.5 cm. Stigma shape: Spherical. Stigma color: 139C. Style length: About 1.5 cm. Style color: 139C. Ovary color: 139C.

Fruit/seed.—Fruit and seed production has not been observed.

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

Temperature tolerance: Plants of the new *Verbena* have been observed to be tolerant to temperatures ranging from 1 to 35° C.

It is claimed:

1. A new and distinct cultivar of *Verbena* plant named ‘KLEVE03321’, as illustrated and described.

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