

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

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

(50) Latin Name: *Verbena hybrida*
Varietal Denomination: **Duempso-
picha**

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patent is extended or adjusted under 35
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(57) **ABSTRACT**

A new and distinct cultivar of *Verbena* plant named ‘Duemp-
sopicha’, characterized by its semi-upright and mounding
plant habit; vigorous growth habit; freely branching habit;
freely flowering habit; and large pink and white-colored flow-
ers that are held above and beyond the foliar plane in
mounded umbels.

2 Drawing Sheets

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Botanical designation: *Verbena hybrida*.
Cultivar denomination: ‘DUEMPSOPICHA’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Verbena* plant, botanically known as *Verbena hybrida* and
hereinafter referred to by the name ‘Duempso-
picha’.

The new *Verbena* plant is a product of a planned breeding
program conducted by the Inventor in Rheinberg, Germany.
The objective of the breeding program is to create new vig-
orous *Verbena* plants with numerous large and attractive
flowers.

The new *Verbena* plant originated from a cross-pollination
made by the Inventor in July, 2009 in Rheinberg, Germany of
a proprietary selection of *Verbena hybrida* identified as code
number V08-5799-001, not patented, as the female, or seed,
parent with a proprietary selection of *Verbena hybrida* iden-
tified as code number F-01-23-009, not patented, as the male,
or pollen, parent. The new *Verbena* plant was discovered and
selected by the Inventor as a single flowering plant within the
progeny of the stated cross-pollination in a controlled green-
house environment in Rheinberg, Germany in May, 2011.

Asexual reproduction of the new *Verbena* plant by terminal
cuttings in a controlled greenhouse environment in Rhein-
berg, Germany since July, 2011 has shown that the unique
features of this new *Verbena* plant are stable and reproduced
true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new *Verbena* have not been observed under all
possible environmental conditions and cultural practices. The
phenotype may vary somewhat with variations in environ-
mental conditions such as temperature and light intensity
without, however, any variance in genotype.

The following traits have been repeatedly observed and are
determined to be the unique characteristics of ‘Duempso-
picha’.

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These characteristics in combination distinguish
‘Duempso-
picha’ as a new and distinct *Verbena* plant:

1. Semi-upright and mounding plant habit.
2. Vigorous growth habit.
3. Freely branching habit.
4. Freely flowering habit.
5. Large pink and white-colored flowers that are held above
and beyond the foliar plane in mounded umbels.

Plants of the new *Verbena* differ from plants of the female
parent selection primarily in flower color as plants of the
female parent selection have white-colored flowers.

Plants of the new *Verbena* differ from plants of the male
parent selection primarily in flower color as plants of the male
parent selection have white-colored flowers.

Plants of the new *Verbena* can be compared to plants of the
Verbena hybrida ‘Tierra Apple Blossom’, not patented. In
side-by-side comparisons conducted in Rheinberg, Germany,
plants of the new *Verbena* differed from plants of ‘Tierra
Apple Blossom’ in the following characteristics:

1. Plants of the new *Verbena* were more freely branching
than plants of ‘Tierra Apple Blossom’.
2. Plants of the new *Verbena* had smaller leaves than plants
of ‘Tierra Apple Blossom’.
3. Plants of the new *Verbena* and ‘Tierra Apple Blossom’
differed in flower color as plants of ‘Tierra Apple Bos-
som’ had purple-colored flowers.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the over-
all appearance of the new *Verbena* plant showing the colors as
true as it is reasonably possible to obtain in colored reproduc-
tions of this type. Colors in the photographs may differ
slightly from the color values cited in the detailed botanical
description which accurately describe the colors of the new
Verbena plant.

The photograph on the first sheet is a side perspective view
of a typical flowering plant of ‘Duempso-
picha’ grown in a
container.

The photograph on the second sheet is a close-up view of typical inflorescences of 'Duempso-picha'.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations, measurements and values describe plants grown in 12-cm containers during the summer in a glass-covered greenhouse in Rheinberg, Germany and under cultural practices typical of commercial *Verbena* production. During the production of the plants, day and night temperatures averaged 18° C. and light levels averaged 4,500 lux. Plants were pinched one time about weeks after planting and were ten weeks old when the photographs and the description were taken. In the 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: *Verbena hybrida* 'Duempso-picha'.

Parentage:

Female, or seed, parent.—Proprietary selection of *Verbena hybrida* identified as code number V08-5799-001, not patented.

Male, or pollen, parent.—Proprietary selection of *Verbena hybrida* identified as code number F-01-23-009, not patented.

Propagation:

Type.—Terminal cuttings.

Time to initiate roots, summer.—About five days at temperatures about 20° C.

Time to initiate roots, winter.—About seven days at temperatures about 20° C.

Time to produce a rooted young plant, summer.—About three weeks at temperatures about 20° C.

Time to produce a rooted young plant, winter.—About four weeks at temperatures about 20° C.

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

Rooting habit.—Freely branching; dense.

Plant description:

Plant habit.—Semi-upright and mounding plant habit; freely branching habit with about six primary lateral branches with secondary lateral branches potentially forming at every node; pinching enhances lateral branch development; dense and bushy plant habit; vigorous growth habit.

Plant height (soil level to top of inflorescences).—About 15 cm.

Plant diameter.—About 20 cm.

Lateral branch description:

Length.—About 14.5 cm.

Diameter.—About 2 mm.

Internode length.—About 3.8 cm.

Texture.—Pubescent.

Strength.—Strong.

Color.—Close to 144A.

Foliage description:

Arrangement.—Opposite, simple.

Length.—About 1.8 cm.

Width.—About 1.2 cm.

Shape.—Lanceolate.

Apex.—Acute.

Base.—Attenuate.

Margin.—Lobed.

Texture, upper and lower surfaces.—Pubescent, coarse.

Venation pattern.—Pinnate.

Color.—Developing and fully expanded leaves, upper surface: Close to 146A; venation, close to 146D. Developing and fully expanded leaves, lower surface: Close to 146B; venation, close to 146D.

Petioles.—Length: About 2.8 mm. Diameter: About 2.1 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper surface: Close to 146A. Color, lower surface: Close to 146B.

Flower description:

Flower arrangement and habit.—Salverform flowers arranged in hemispherical terminal umbels; umbels dense and mounding; numerous umbels per plant; flowers face upward or outwardly depending on position in the umbel; freely flowering habit with about 15 to 28 flowers per inflorescence.

Fragrance.—None detected.

Natural flowering season.—Plants flower continuously from the spring through the fall in Germany; plants begin flowering about eight weeks after planting.

Flower longevity.—Individual flowers last about one week on the plant; flowers persistent.

Inflorescence height.—About 2.1 cm.

Inflorescence diameter.—About 4.6 cm.

Flower buds.—Length: About 1.4 cm. Diameter: About 2 mm. Shape: Tubular. Color: Close to 146A.

Flowers.—Appearance: Salverform, five-parted fused corolla. Diameter: About 1.8 cm. Depth: About 2.2 cm. Corolla tube diameter: About 2 mm. Corolla tube length: About 2.2 cm.

Corolla.—Arrangement: Single whorl of five fused petals. Petal lobe length: About 7.8 mm. Petal lobe width: About 8.2 mm. Petal lobe shape: Obovate. Petal lobe apex: Emarginate. Petal margin: Entire. Petal texture, upper and lower surfaces: Smooth, glabrous. Color: When opening and fully opened, upper surface: Close to 68C; towards the throat, close to 155D. When opening and fully opened, lower surface: Close to 68D; tube, close to 145C to 145D.

Calyx.—Arrangement: Star-shaped calyx with five fused sepals. Sepal length: About 1 cm. Sepal width: About 1 mm. Sepal shape: Ligulate. Sepal apex: Acute. Sepal margin: Entire. Sepal texture, upper and lower surfaces: Pubescent, coarse. Sepal color, upper and lower surfaces: Close to 146D and 144A.

Stipules.—Length: About 7 mm. Width: About 2 mm. Shape: Lanceolate with acute apex. Color: Close to 144A and 137A.

Peduncles.—Length: About 3.1 cm. Diameter: About 2 mm. Strength: Strong. Texture: Pubescent. Color: Close to 144A.

Pedicels.—Length: About 0.5 mm. Diameter: About 0.5 mm. Strength: Strong. Texture: Smooth, glabrous. Color: Close to 144A.

Reproductive organs.—Stamens: Quantity and arrangement: About four to five per flower, adnate to corolla tube. Anther length: About 0.7 mm. Anther shape: Oval. Anther color: Close to 144B. Pollen amount: Moderate. Pollen color: Close to 2D. Pistils: Quantity: One per flower. Pistil length: About 1.6 cm. Stigma shape: Bi-parted. Stigma color: Close to 144A. Style length: About 1.5 cm. Style color: Close to 144D. Ovary color: Close to 144C. Fruits and seeds: Fruit and seed development has not been observed on plants of the new *Verbena*.

Temperature tolerance: Plants of the new *Verbena* have been observed to tolerate temperatures from about 5° C. to about 40° C.
Pathogen & pest resistance: Plants of the new *Verbena* have not been observed to be resistant to pathogens and pests common to *Verbena* plants.

It is claimed:
1. A new and distinct *Verbena* plant named ‘Duempsop-icha’ as illustrated and described.

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