



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

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(54) **GERANIUM PLANT NAMED ‘AMRI ORCH’**

(50) Latin Name: *Pelargonium×hortorum*
Varietal Denomination: **Amri Orch**

(75) Inventor: **Mitchell Hanes**, Morgan Hill, CA (US)

(73) Assignee: **Goldsmith Seeds, Inc.**, Gilroy, CA (US)

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

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(58) **Field of Search** **Plt./324**

Primary Examiner—Anne Marie Grunberg

Assistant Examiner—Annette H Para

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

(57) **ABSTRACT**

A new and distinct cultivar of *Geranium* plant named ‘Amri Orch’, characterized by its upright, outwardly spreading and rounded growth habit; freely basal branching habit; dark green-colored leaves; freely flowering habit with many flower umbels per plant; and flower umbels with numerous light red purple-colored single flowers.

1 Drawing Sheet

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Botanical classification/cultivar designation: *Pelargonium×hortorum* cultivar Amri Orch.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Geranium* plant, botanically known as *Pelargonium×hortorum*, commercially known as a Zonal *Geranium*, and hereinafter referred to by the name ‘Amri Orch’.

The new *Geranium* is a product of a planned breeding program conducted by the Inventor in Gilroy, Calif. The objective of the breeding program is to develop new Zonal *Geranium* cultivars with good basal branching, freely flowering habit and attractive flower and foliage coloration.

The new *Geranium* originated from a cross-pollination made by the Inventor in January, 2000 of a proprietary *Pelargonium×hortorum* selection identified as code number 8122-1, not patented, as the female, or seed, parent with the *Pelargonium×hortorum* cultivar Purple Rose, disclosed in U.S. Plant Pat. No. 10,395, as the male, or pollen, parent. The cultivar Amri Orch was discovered and selected by the Inventor as a flowering plant within the progeny from this cross-pollination in a controlled environment in Gilroy, Calif. in June, 2000.

Asexual reproduction of the new cultivar by terminal cuttings at Gilroy, Calif., since June, 2000 has shown that the unique features of this new *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 ‘Amri Orch’. These characteristics in combination distinguish ‘Amri Orch’ as a new and distinct *Geranium* cultivar:

1. Upright, outwardly spreading and rounded growth habit.
2. Freely basal branching habit.
3. Dark green-colored leaves.
4. Freely flowering habit with many large flower umbels per plant.

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5. Flower umbels with numerous light red purple-colored single flowers.

In side-by-side comparisons conducted in Gilroy, Calif., plants of the new *Geranium* differed from plants of the female parent selection in the following characteristics:

1. Plants of the new *Geranium* were more vigorous than plants of the female parent selection.
2. Plants of the new *Geranium* had lighter green-colored leaves than plants of the female parent selection.
3. Plants of the new *Geranium* and the female parent selection differed in flower color as plants of the female parent selection had darker red purple-colored flowers.

In side-by-side comparisons conducted in Gilroy, Calif., plants of the new *Geranium* differed from plants of the male parent, the cultivar Purple Rose, in the following characteristics:

1. Plants of the new *Geranium* were shorter and not as upright as plants of the cultivar Purple Rose.
2. Plants of the new *Geranium* and the cultivar Purple Rose differed in flower color as plants of the cultivar Purple Rose had purple-colored flowers.

The new *Geranium* can be compared to the cultivar, Americana Deep Rose, disclosed in U.S. Plant Pat. No. 9,383. However, in side-by-side comparisons conducted in Gilroy, Calif., plants of the new *Geranium* differed from plants of the cultivar Americana Deep Rose in the following characteristics:

1. Plants of the new *Geranium* was not as compact as plants of the cultivar Americana Deep Rose.
2. Plants of the new *Geranium* had longer leaf petioles than plants of the cultivar Americana Deep Rose.
3. Plants of the new *Geranium* had longer peduncles than plants of the cultivar Americana Deep Rose.
4. Plants of the new *Geranium* and the cultivar Americana Deep Rose differed in flower coloration.

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 reproductions of this type.

The photograph at the top of the sheet comprises a side perspective view of a typical flowering plant of 'Amri Orch'.

The photograph at the bottom of the sheet is a close-up view of typical flowers and leaves of 'Amri Orch'.

Flower and foliage 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 *Geranium*.

DETAILED BOTANICAL DESCRIPTION

Plants of the cultivar Amri Orch have 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. The aforementioned photographs and following observations and measurements describe plants grown in Gilroy, Calif., under commercial practice in a fiberglass-covered greenhouse during the late spring with day temperatures about 27 to 29° C., night temperatures about 16 to 18° C. and light levels about 2,000 foot-candles. Plants used for the photographs and description were about six months from planting rooted cuttings. 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 Amri Orch.

Parentage:

Female parent.—Proprietary *Pelargonium×hortorum* selection identified as code number 8122-1, not patented.

Male parent.—*Pelargonium×hortorum* cultivar Purple Rose, disclosed in U.S. Plant Pat. No. 10,395.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—About 12 to 14 days at 24° C.

Time to develop roots.—About four weeks at 18 to 24° C.

Root description.—Fibrous, fine; white in color.

Rooting habit.—Freely branching.

Plant description:

General appearance.—Upright, outwardly spreading and rounded growth habit.

Growth and branching habit.—Vigorous and very freely basal branching with about 25 lateral branches. Pinching, that is, removal of terminal apices, is typically not required.

Plant height to top of foliage.—About 26 cm.

Plant height to top of flower umbels.—About 32 cm.

Plant width.—About 48 cm.

Lateral branches.—Length: About 22 cm. Diameter: About 9 mm. Internode length: About 2.5 mm. Texture: Pubescent. Color: 144B.

Foliage description.—Arrangement: Alternate, simple. Length: About 5.8 cm. Width: About 10.5 cm. Shape: Reniform with slight round lobing. Apex: Rounded. Base: Cordate; somewhat imbricate. Margin: Crenate and somewhat sinuate. Venation: Palmate. Texture, upper and lower surfaces: Velvety; pubescent. Color: Developing and fully expanded foliage, upper surface; 147A. Developing and fully expanded foliage, lower surface: 147B. Venation, upper surface: 144A. Venation, lower surface: 147D. Petiole. Length: About 13 cm. Diameter: About 3 mm.

Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: 146C.

Flower description:

Flower arrangement and type.—Single rounded flowers arranged in hemispherical umbels arising from apical leaf axils. Umbels displayed above the foliage. At full flowering, usually about 14 open and developing umbels per plant. Flowers not persistent; umbels persistent. Flowers not fragrant.

Flowering season.—Year-round under greenhouse conditions. In the garden, flowering is continuous from spring until fall. Plants start flowering about eight weeks after planting.

Flower longevity.—Flowers last about one week on the plant.

Umbels.—Height: About 6.5 cm. Diameter: About 12 cm. Number of flowers and flower buds per umbel: Freely flowering, about 70. Flower diameter: About 4.5 cm. Flower depth (height): About 2.5 cm.

Flower buds.—Length: About 1.6 cm. Diameter: About 1 cm. Shape: Ovoid. Color: 67C to 67D.

Petals.—Quantity/arrangement: About five petals in a single whorl with typically one or two reduced petals per flower; petals imbricate. Length: About 2.7 cm. Width: About 2 cm. Shape: Obovate. Apex: Rounded. Base: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth; satiny. Aspect: Slightly cupped. Color: When opening, upper surface: 67A. When opening, lower surface: 73B to 73C. Fully opened, upper two petals, upper surface: 67B; towards the base, 155C to 155D; venation, 67C. Fully opened, upper two petals, upper surface: 67B; towards the base, 67C; at the base, 155D; venation, 67C. Fully opened, lower surface: 78D; at the base, 155D; venation, 68C.

Sepals.—Quantity/arrangement: Five per flower in a single whorl; not imbricate on open flowers. Length: About 1.3 cm. Width: About 3 mm. Shape: Lanceolate. Apex: Acuminate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: 144A.

Peduncle (umbel stem).—Length: About 24.5 cm. Diameter: About 5 mm. Angle: About 30° from vertical. Strength: Strong. Texture: Pubescent. Color: 144A.

Pedicle (individual flower stem).—Length: About 3.6 cm. Diameter: About 1.5 mm. Angle: Erect to about 60° from vertical. Strength: Strong. Texture: Pubescent. Color: 144A.

Reproductive organs.—Androecium: Anther quantity: About eight per flower. Anther size: About 1 by 2 mm. Anther shape: Oval. Anther color: 50A. Pollen amount: Scarce. Pollen color: 34B. Gynoecium: Pistil quantity: One per flower. Pistil length: About 9 mm. Stigma shape: Five-parted, star-shaped. Stigma color: 53B. Style length: About 2 mm. Style color: 54A. Ovary color: 139C.

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

Disease/pest resistance: Resistance to pathogens and pests common to *Pelargonium* has not been observed.

It is claimed:

1. A new and distinct cultivar of *Geranium* plant named 'Amri Orch', as herein illustrated and described.

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