

[54] AFRICAN VIOLET PLANT NAMED IMPROVED COLORADO

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[57] ABSTRACT

A new and distinct cultivar of African violet named Improved Colorado characterized by its single violet-shaped purplish red flowers with frilled edges; strong, upright flower stems that curve slightly toward the center to form a compact bouquet above the leaves; medium green heart-shaped, serrated leaves; profuse flowering, vigorous and compact growth habit, flowering 10-11 weeks after potting, and its long lasting and non-dropping flowers.

Primary Examiner—Robert E. Bagwill

1 Drawing Sheet

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The present invention comprises a new and distinct cultivar of African violet plant, botanically known as *Saintpaulia ionantha*, and hereinafter referred to by the cultivar name Improved Colorado.

The new cultivar was referred to during the breeding and selection process by the designation I 13/43 and is a product of a planned breeding program, the basic objective of the breeding program was to create a new African violet cultivar improving certain characteristics of the cultivar Colorado, disclosed in my U.S. Plant Pat. No., 4,266. The new cultivar was originated from a cross made by me in the controlled breeding program in Haffen, Federal Republic of Germany. The female, or seed parent was a cultivar designated 2/76. The male, or pollen parent was a cultivar designated 4158.

Improved Colorado was discovered and selected by me as a flowering plant with the progeny of the stated cross in a controlled environment in Haffen, West Germany. Asexual reproduction of the new cultivar by leaf cuttings, as performed by me at Haffen, West Germany, has demonstrated that the combination of characteristics as herein disclosed for the new cultivar are firmly fixed and retained through successive generations of asexual reproduction.

Improved Colorado has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in environment such as temperature, light intensity and day length. The following observations, measurements and values describe the new cultivar as grown in a 10 cm pot in Haffen, West Germany and Nashville, Tenn. under greenhouse conditions which closely approximate those generally used in commercial practice.

The following traits have been repeatedly observed and are determined to be basic characteristics of Improved Colorado, which in combination distinguish this African violet as a new and distinct cultivar:

- (1) Strong, upright flower stems curving slightly toward the center.
- (2) Single violet-shaped purplish red flowers with frilled edges.
- (4) Each plant carries 8-10 and more upright flower stems each of which carries 9-12 and more flowers.
- (5) Long lasting, non-dropping flowers.
- (6) Vigorous and compact grower.
- (7) Plant saleable 10 to 11 weeks after potting.

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- (8) Seed capsules push slightly through.
- (9) Heart-shaped, medium green leaves.
- (10) After maturity the flowers dry off, and remain on the peduncle without becoming infected by botrytis.

The new cultivar is most similar to, and was specifically intended to improve upon the characteristics of, my previously patented cultivar Colorado. In comparison to Colorado, the new cultivar is principally distinguished by its more intensive purple red color, more foliage, more compact growth habit and improved flowering habit.

The accompanying color photographic drawing shows a typical specimen plant of the new cultivar. The colors appearing in the photograph are as true as possible with color illustrations of this type.

In the following description, color references are made to the Royal Horticultural Society Colour Chart (RHS), except where general colors of ordinary significance are referred to. Color values were taken under natural sunlight conditions at approximately 2 p.m. in Nashville, Tenn.

Botanical classification: *Saintpaulia ionantha*, Ramat., c.v. Improved Colorado.

Parentage:

Male parent.—4158.

Female parent.—2/76.

Propagation: The new cultivar holds its distinguishing characteristics through successive propagations by leaf cuttings.

Plant: From 10 cm to 12 cm tall when grown in pots, and approximately 23-28 cm in diameter when fully grown.

Leaves.—General form: Heart-shaped. Diameter: 60-75 mm. Texture: Velvety. Aspect: Hairy, serrated, slightly shiny. Veins: Upperside: well visible; underside: well pronounced, light green, shiny. Color (upperside): Yellow-Green Group 147 between A and B. Color (underside): Greyed-Green Group 194 D. Petiole: Strong upright, purplish green, hairy.

Flowers.—Buds: Ball-shaped, 7-8 mm just before opening, purplish red. Sepals: Five (5). Color: Purplish green. Calyx: Shape: Funnel-shaped. Aspect: Spear-shaped, hairy. Peduncle: Character: Strong

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upright, hairy. Color: Purplish brown. Individual flowers: Size: Approximately 45 min. Shape; Single violet-shaped, frilled. Color (upperside): Red-Purple Group 72 between A and B. Under cooler temperatures and more intensive lighting, the purplish red tends to intensify. Color (underside): Red-Purple Group 72 between C and D. Borne: Each flower stem carries 9-12 and more flowers on strong, upright peduncle that are free standing above the leaves, thereby forming a compact bouquet.

Flowering habit: Flowers 10-11 weeks after potting.

Reproductive Organs.—Stamens: Two (2). Anthers:

2 composed of 4 anther cells, seed capsule pushes slightly through. Filaments: Yellowish green with purplish red touch on edge, 4-5 mm long. Pollen Color: Yellow Group 7 A. Styles: 7 mm long, purplish red, base of ovary light green and hairy.

Roots.—Normally developed, white when young, turning slightly brownish when older.

Disease resistance: Good.

General Observations: Improved Colorado is a very attractive, vigorous and compact grower with a

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dense foliage composed of medium green, heart-shaped and serrated leaves. A tight bouquet of flowers free standing above the leaves develops after approximately 10-11 weeks. Each of the 8-10 and more strong flower stems carries 9-12 and more single flowers with frilled edges. The purplish red flowers contrast nicely with the bright yellow anthers. Occasionally an additional small petal may develop in the center. The flowers are long-lasting and non-dropping and the seed capsules push slightly through.

I claim:

1. A new and distinct cultivar of African violet named Improved Colorado, as described and illustrated, and particularly characterized by its single violet-shaped purplish red flowers with frilled edges; strong, upright flower stems that curve slightly toward the center to form a compact bouquet above the leaves; medium green heart-shaped, serrated leaves; profuse flowering, vigorous and compact growth habit, flowering 10-11 weeks after potting, and its long lasting and non-dropping flowers.

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U.S. Patent

Sep. 12, 1989

Plant 7,027

