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Danziger

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(54) *SUTERA* PLANT NAMED ‘DANCOP25’

(50) Latin Name: *Sutera cordata*
Varietal Denomination: **DANCOP25**

(75) Inventor: **Gabriel Danziger**, Moshav Nir-Zvi (IL)

(73) Assignee: **Danziger “Dan” Flower Farm**, Post Beit Dagan (IL)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 18 days.

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A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./485**

(58) **Field of Classification Search** **Plt./485**
See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

Publication by Japanese Ministry of Agriculture, Forestry and Fisheries (MAFF) which lists the assigned Application Number, confirmed Filing Date, Variety Denomination, and Applicant/Assignee information for the corresponding international PBR application, JP 20721 filed Feb. 23, 2007. (4 pgs.) (<http://www.hinsyu.maff.go.jp/59kouhyou.pdf>, Jan. 16, 2008).

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(57) **ABSTRACT**

A new and distinct *Sutera* plant named ‘DANCOP25’ particularly characterized by 5-petalled flowers, measuring about 3.0 cm in diameter and white in color with a yellow-orange colored throat; trailing, compact growth habit; early flowering response; and suitable for use with hanging basket planters, combination planters and ground cover under full sunlight-and slight shade.

2 Drawing Sheets

1

Latin name of the genus and species of the claimed plant.
Sutera cordata.
Variety denomination: ‘DANCOP25’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Sutera* plant, botanically known as *Sutera cordata*, hereinafter referred to by the cultivar name ‘DANCOP25’.

Sutera, of the Scrophulariaceae family, consists of annuals, which are grown in most climate zones in the U.S., and only in zones 9 and 10 if it is a perennial plant.

The new *Sutera* cultivar is a product of a planned breeding program conducted by the inventor, Gabriel Danziger, in Moshav Mishmar Hashiva, Israel. The objective of the breeding program is to develop a new *Sutera* variety with large, white flowers and a trailing, compact growth habit.

The new *Sutera* cultivar originated in a controlled breeding program by the inventor in 2004, in Moshav Mishmar Hashiva, Israel from open pollination of the seed parent, an unpatented *Sutera* cultivar designated ‘CV-04-68’, by an unknown *Sutera* cultivar. The new *Sutera* ‘DANCOP25’ was discovered and selected by the inventor, Gabriel Danziger, as a single flowering plant within the progeny of the stated cross in a controlled environment in Moshav Mishmar Hashiva, Israel.

Asexual reproduction of the new *Sutera* cultivar by vegetative tip cuttings was first performed in December of 2004 in Moshav Mishmar Hashiva, Israel, and 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. The new cultivar reproduces true to type.

2

BRIEF SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and are determined to be unique characteristics of ‘DANCOP25’, which in combination distinguish this *Sutera* as a new and distinct cultivar:

- 5-petalled flowers, measuring about 3.0 cm in diameter and white in color with a yellow-orange colored throat;
- Trailing, compact growth habit;
- Early flowering response; and
- Suitable for use with hanging basket planters, combination planters and ground cover under full sunlight-and slight shade.

Plants of the new *Sutera* ‘DANCOP25’ differ from plants of the parental cultivar, ‘CV-04-68’ (unpatented) in the characteristics described in Table 1.

TABLE 1

Character	New Cultivar ‘DANCOP25’	Female Parent ‘CV-04-68’ (unpatented)
Flower size	Extra large, about 3 cm	Large, about 2.3 cm
Growth habit	Trailing	Semi-upright
Leaf size (width)	Large, about 2 cm	Medium, about 1.5 cm

Of the many commercial cultivars known to the present inventor, the most similar in comparison to the new *Sutera* ‘DANCOP25’ is the *Sutera* ‘DANGUL14’ (patented, U.S. Plant Pat. No. 18,194), in the characteristics described in Table 2:

TABLE 2

Characteristic	New Cultivar 'DANCOP25'	Comparison Cultivar 'DANGUL14' (patented, U.S. Plant Pat. No. 18,194)
Flower size	Extra large, about 3 cm	Extra Large, about 2.7 cm
Length of primary branches	Long, about 60 cm	Medium, about 40 cm
Plant Spread	About 80 cm	About 50 cm

BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying photographic drawings illustrate the overall appearance of the new *Sutera* 'DANCOP25' showing the colors as true as is reasonably possible with colored reproductions of this type. Colors in the photographs may differ slightly from the color value cited in the detailed botanical description which accurately describe the color of 'DANCOP25'.

FIG. 1 shows a side view perspective of a typical flowering plant of 'DANCOP25' in a hanging planter at 3 months of age.

FIG. 2 shows a close-up view of typical single flowers and buds of 'DANCOP25' at 3 months of age.

DETAILED BOTANICAL DESCRIPTION

The new *Sutera* 'DANCOP25' has not been observed under all possible environmental conditions. The phenotype of the new cultivar may vary with variations in environment such as temperature, light intensity, and day length without any change in the genotype of the plant.

The aforementioned photographs, together with the following observations, measurements and values describe the new *Sutera* 'DANCOP25' as grown in a greenhouse in Moshav Mishmar Hashiva, Israel, under conditions which closely approximate those generally used in commercial practice.

Color references are made to The Royal Horticultural Society Colour Chart (R.H.S.) 2001 edition, except where general colors of ordinary significance are used. Color values were taken under daylight conditions at approximately 12:00 noon in Moshav Mishmar Hashiva, Israel. The age of the plant described is 3 months.

CLASSIFICATION:

Botanical.—*Sutera cordata*,
Commercial.—*Bacopa* SCOPIA™ Gulliver Snow.

Parentage:

Female or seed parent.—*Sutera* cultivar designated 'CV-04-68' (unpatented).
Male or pollen parent.—Open pollination; unknown *Sutera* cultivar.

Optimal growth conditions:

Light intensities.—Full sunlight or slight shade.
Temperature.—Day: 20° C. to 24° C. Night: 16° C. to 20° C.
Temperature tolerance.—Tolerant to a low temperature of about 10° C. and tolerant to a high temperature of about 30° C.
Fertilization.—A balanced fertilizer with level of 100 ppm Nitrogen.
Growth regulators.—Unnecessary.

Propagation:

Type.—Tip cuttings of side shoots.
Rooting habit and description.—Easy to root; fine, fibrous roots.
Time to initiate roots.—About 7 to 10 days at 18° C.
Time to produce a rooted cutting.—About 14 days at 18° C.

Plant:

General appearance and form.—Height: About 8 cm.
Spread: About 80 cm.
Shape.—Trailing, vigorous growth habit.
Winter hardiness.—Hardy in moderate climate.
Vigor.—Strong.
Crop time (from planting of tip cutting).—About 8 to 10 weeks for a flowering pot.
Fragrance.—None.
Branching habit.—Vigorously branched. Lateral branches:

TABLE 3

Branch characteristic	Primary	Secondary
Length	About 60 cm.	About 40 cm.
Diameter	About 2 mm.	About 1 mm.
Internode Length	About 3 cm.	About 2 cm.
Texture	Slightly rough	Slightly rough
Pubescence	Present	Present
Color	Green, RHS 137B	Green, RHS 137C

Foliage:

Arrangement and attachment.—Opposite, petiolate.
Leaf length.—About 2.5 cm.
Leaf width.—About 2.0 cm.
Overall shape of leaf.—Ovate.
Apex shape.—Acute.
Base shape.—Acute.
Margin.—Dentate.
Texture (both surfaces).—Slightly velvety.
Pubescence (both surfaces).—Slightly present.
Color of upper surface.—Mature leaf: Green, RHS 137A. Immature leaf: Green, RHS 137B
Color of lower surface.—Mature leaf: Green, RHS 137C Immature leaf: Green, RHS 137C
Venation.—Pattern: Palmate. Color: Upper surface: Green, RHS 137A. Lower surface: Green, RHS 137C
Petiole.—Length: About 5 mm. Diameter: 1 mm. Color: Green, RHS 137C
Leaf fragrance.—None.

Flower description:

Natural flowering season.—All year round in moderate climate. Flowering occurs between January and December outdoors in Israel.
Flowering response time.—About 4 weeks from planting.
Flowering longevity.—On the plant: Flowering of a single flower lasts for 7 days.
Flower fragrance.—None.
Quantity of flowers and buds per plant.—Approximately 200.
Flower bud (about 2 days prior to opening).—Shape: Spatulate. Length: About 13 mm. Diameter: About 5 mm. Texture: Velvety. Color: White, RHS 155C.
Flower type.—Solitary, auxiliary.
Flower form.—Salverform.
Flower symmetry.—Radial symmetric.
Orientation at opening.—Slanted upward and outward.

Corolla size.—Diameter (spread): About 3 cm. Diameter at lobes: About 30 mm. Overall flower height: About 15 mm. Length of corolla tube: About 13 mm. Diameter of corolla tube: About 2 mm.

Petals.—Quantity: 5. Length: About 10 mm. Width: About 12 mm. Overall shape: Rounded and gameopetalous. Apex: Rounded. Base: Fused. Margin: Entire. Texture (upper & lower surfaces): Slightly velvety. Color: Upper & lower surfaces, when opening: White, RHS 155C. Upper & lower surfaces, when opened: White, RHS 155C. Corolla throat color: Yellow-orange, RHS 17A. Outer surface corolla tube color: White, RHS 155C.

Calyx:

Sepals.—Quantity: 5. Length: About 9.0 mm. Width: About 1.0 mm. Overall shape: Linear. Apex: Acute. Base: Fused. Margin: Entire. Texture: Upper surface: Velvety. Lower surface: Velvety. Upper surface color: Green, RHS 137A. Lower surface color: Green, RHS 137B. Anthocyanin pigmentation of calyx limb: Absent.

Pedicel.—Aspect: Slanted upward. Length: About 7 mm. Diameter: About 1.0 mm. Angle: About 45°. Texture: Velvety. Color: Green, RHS 137B.

Reproductive organs:

Androecium.—Stamen: Number: 4. Arrangement: Didynamous. Type: Basifixed. Dehiscence of stamens: Extrorse. Color: Yellow, RHS 13A. Anthers: Shape: Cylinder. Length: About 2.0 mm. Color: Yellow, RHS 13A. Filaments: Length: About 12 mm. Color: Green-Yellow, RHS ID. Pollen: Amount:

Moderate. Color: Yellow, RHS 13B. Pollination requirements: Young flowers, active pollen, and receptive, open stigma.

Gynoecium.—Pistils: Quantity: 1. Length: About 10 mm. Stigma: Shape: Undulate. Width: About 0.5 mm. Color: Yellow-Green, RHS N144A. Style: Shape: Terete. Length: About 10 mm. Ovary: Shape: Ellipsoid. Position: Superior. Length: About 2.0 mm. Width: About 1.0 mm. Color: Green, RHS 137C.

Seeds:

Quantity per fruit.—About 20.

Shape.—Rounded.

Length.—About 0.5 mm.

Width.—About 0.5 mm.

Texture.—Rough.

Color.—Greyed-Orange, RHS 164B.

Fruit:

Type.—Capsule.

Shape.—Ellipsoid.

Length.—About 4.0 mm.

Width.—About 2 mm.

Texture.—Rugose.

Color.—Greyed-Orange, RHS 166D.

Disease/pest resistance: No information is currently available.

Disease/pest susceptibility: No information is currently available.

I Claim:

1. A new and distinct *Sutera* plant named 'DANCOP25', as illustrated and described herein.

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FIG. 1



FIG. 2

