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Stemkens

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(54) *NEMESIA* PLANT ‘NEMHAWIT’

(50) Latin Name: *Nemesia* hybrid
Varietal Denomination: **Nemhawit**

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(58) **Field of Classification Search** **Plt./263**

See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct variety of *Nemesia* plant, substantially as herein illustrated and described, characterized particularly as to novelty by its semi-trailing and compact habit, white flowers, a creamy palate, very early flowering and absolutely no seed set.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed:
Nemesia hybrid.

Varietal denomination: ‘Nemhawit’.

BACKGROUND OF THE NEW PLANT

The present invention relates to a new and distinct cultivar of *Nemesia* plant known botanically as *Nemesia* hybrid and that will be referred to hereinafter by the cultivar name ‘Nemhawit’.

The new *Nemesia* is a product of a planned breeding program conducted in Enkhuizen, The Netherlands. The new *Nemesia* cultivar is characterized by a semi-trailing and compact habit, white flowers, a creamy palate, very early flowering and absolutely no seed set.

The new *Nemesia* originated from a cross-pollination in 1999 of an unpatented *Nemesia* plant, named ‘A233-1,’ as the female, or seed, parent with an unpatented *Nemesia* plant named ‘A71-2,’ as the male, or pollen, parent. The cultivar ‘Nemhawit’ was discovered and selected as a plant within the progeny from this cross-pollination in a controlled environment in Enkhuizen, The Netherlands, in 2000.

As a result of this cross the present cultivar was created in 2000 in Enkhuizen, Netherlands and has been repeatedly asexually reproduced by cuttings in Enkhuizen, Netherlands and Sarriens, France over a two year period. It has been found to retain its distinctive characteristics through successive propagations. The new variety is stable and reproduces true to type in successive generations of asexual reproduction.

DESCRIPTION OF THE DRAWING

This new *Nemesia* plant is illustrated by the accompanying photographic drawing which shows blooms, buds and foliage of the plant in full color, the color shown being as true as can be reasonably obtained by conventional photographic procedures. The plant illustrated in the photographic drawing is a 15 week old plant.

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DESCRIPTION OF THE NEW CULTIVAR

The following detailed descriptions set forth the distinctive characteristic of this new *Verbena*. The data which defines these characteristics were collected from asexual reproductions carried out in Enkhuizen, Netherlands. The plant history was taken on 14 weeks old plants blossomed under natural light in a greenhouse and grown in a 10.5 cm container.

Color readings were taken in the greenhouse under ambient light. Color references are primarily to the R.H.S. Colour Chart of The Royal Horticultural Society of London.

TABLE 1

Differences between the new cultivar ‘Nemhawit,’ its parents and a similar cultivar

	‘Nemhawit’	‘A233-1’	‘A71-2’	‘Aromatica White’
Seed set	No	Plentiful	No	Plentiful
Flower size	Medium	Medium	Small	Medium
Flower color	White	White	Pink	White
Palate color	Creamy	Yellow	White	White

The commercial name of the most resembling variety is ‘Aromatica White.’ This variety is not known to be patented.

BOTANICAL DESCRIPTION OF THE PLANT

The plant:

Classification.—Botanical: *Nemesia*. Species: Hybrid.

Parentage.—Female parent: An inbred seedling named ‘A233-1’ bred in 1998. Pollen parent: An inbred seedling named ‘A71-2’ bred in 1998.

Growth habit.—Semi-trailing and compact.

Plant height.—26-32 cm.

Spreading area of plant.—22-42 cm.

Strength.—Resistant to hot and cool weather.

Branching character.—Freely branching and lateral branching at every node.

Number of branches per plant.—25-45.

Blooming period.—From April until November.

Propagation.—Vegetative stem cuttings.

Sexuality.—Hermaphrodite.

Time to initiate roots.—Approximately 10 days at temperatures of 21 degrees centigrade is needed to produce rooted cuttings.

Root system.—Numerous and fine, the color is N155A.

The stem:

Diameter.—3-4 mm.

Length.—8-16 cm.

Shape.—Quadrilateral with ridges.

Anthocyanin pigmentation.—Absent.

Color of the stem.—137B.

Length of internode.—15-25 mm, depending on the light where the plant is propagated.

Pubescence.—Glabrous.

Length lateral branches.—8-16 cm.

The foliage:

Phyllotaxis.—Opposite.

Shape of blade.—Broadly ovate.

Attachment.—Petiolate.

Texture.—Upper side: Glabrous. Lower side: Glabrous.

Venation.—Pinnate.

Leaf margin.—Crenate.

Leaf base.—Truncate.

Leaf apex.—Apiculate.

Length.—20-42 mm.

Width.—15-30 mm.

Depth of incision.—1-2 mm.

Color.—Upper side: 135B. Lower side: 138B.

Petiole length.—1-2 mm.

Petiole surface structure.—Glabrous.

Petiole diameter.—2-3 mm.

Petiole coloration.—Upper side: 135B. Lower side: 138B.

The bud:

Peduncle length.—15-30 mm.

Peduncle diameter.—2-3 mm.

Peduncle color.—141B.

Peduncle surface.—Glabrous.

Pedicel length.—4-8 mm.

Pedicel diameter.—Less than 1 mm.

Pedicel color.—137B.

Pedicel surface.—Glabrous.

Stipule length.—1-2 mm.

Stipule width.—1-2 mm.

Stipule shape.—Lanceolate.

Stipule color.—Upper side: 141C. Lower side: 141C.

Bud size.—Diameter: 4 mm. Length: 3-5 mm.

Bud shape.—Globular.

Bud color.—N155B.

Bud surface.—Glabrous.

Sepals.—Color (Upper side): 137B. Color (Lower side): 137B. Form: Upright. Surface: Glabrous. Number: 5, fused. Length: 1-2 mm. Width: Less than 1 mm. Shape: Lanceolate. Apex: Apiculate. Base: Fused. Margin: Entire.

The flower:

Type of inflorescence.—Axillary raceme

Flower shape.—Personate. .

Palate color.—2C in the center and 2D to the right and left sides of the center.

Nectary (located on underside of palate).—4 mm in width and 4 mm in length.

Nectary color.—159D.

Throat color (upper surface).—158C.

Throat color (lower surface).—157C.

Surface of upper lip.—Upper side: Glabrous. Lower side: Glabrous.

Surface of lower lip.—Upper side: Glabrous. Lower side: Glabrous.

Lip margin (lower lip).—Entire.

Lip margin (upper lip).—Entire.

Number of lips.—2.

Lobes.—Upper lip: 4. Lower lip: 1.

Lobes on upper lip fused or unfused.—Fused.

Lip apex (upper lip).—Each lobe has a rounded apex.

Lip base (upper lip).—Fused.

Lip apex (lower lip).—Obtuse.

Lip base (lower lip).—Fused.

Upper lip color.—Upper side: N155D. Lower side: N155D.

Lower lip color.—Upper side: N155D. Lower side: N155D.

Flower dimensions.—1.3 cm in depth, 1.9 cm in length and 2.1 cm in width at widest part.

Lower lip dimensions.—1.1 cm in length and 1.4 cm in width.

Upper lip dimensions.—1.2 cm in length and 2.1 cm in width.

Lobe dimensions (upper lip).—1.1 cm in length and 5 mm in width.

Flower spur dimensions.—1.4 cm in length and 1-2 mm in diameter.

Spur color.—158A.

Calyx dimensions.—4 mm in length and 5 mm in width.

Calyx color.—135A.

No. of flowers per inflorescence.—55-80.

Fragrance.—A very light perfume fragrance occurs.

Bloom time of one inflorescence.—New florets continue to open in one inflorescence over a period of 38 days.

Lastingness of one flower.—3-7 days.

The reproductive organs:

Androecium.—Stamens quantity: 4. Anther shape: Ovoid. Anther length: 0.3 mm. Anther width: 0.2 mm. Anther color: 154D. Pollen amount: Scarce pollen. Pollen color: 154D.

Gynoecium.—Pistils quantity: 1. Pistil length: 3-5 mm. Stigma color: 144C. Style length: 3-5 mm. Style color: 144D. Ovary color: 144C. Ovary position: Superior. Ovary shape: Oval. Ovary dimensions: 0.3 mm in width and 0.4 mm in length.

Seeds: No seed set is observed. No fruits are developed.

Disease and pest susceptibility or resistance: There are no disease problems known to the inventor other than what effects typical *Nemesia*.

What is claimed is:

1. A new and distinct cultivar of *Nemesia* plant named 'Nemhawit,' as substantially illustrated and described herein.

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