



US00PP35132P2

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

(10) **Patent No.:** **US PP35,132 P2**

(45) **Date of Patent:** **Apr. 25, 2023**

(54) **PELARGONIUM PLANT NAMED ‘PEQZ0098’**

(50) Latin Name: *Pelargonium interspecific*
Varietal Denomination: **PEQZ0098**

(71) Applicant: **SYNGENTA CROP PROTECTION AG**, Basel (CH)

(72) Inventor: **Mitchell E. Hanes**, Morgan Hill, CA (US)

(73) Assignee: **Syngenta Crop Protection AG**, Basel (CH)

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

(21) Appl. No.: **17/970,970**

(22) Filed: **Oct. 21, 2022**

(51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/42 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./329**
CPC *A01H 6/425* (2018.05)

(58) **Field of Classification Search**
USPC Plt./329
CPC *A01H 6/425*
See application file for complete search history.

Primary Examiner — Anne Marie Grunberg
(74) *Attorney, Agent, or Firm* — Dale Skalla

(57) **ABSTRACT**

A new *Pelargonium* plant named ‘PEQZ0098’ particularly distinguished by lilac-violet colored inflorescences with semi-double florets, held above light green foliage, on a vigorous spreading, semi-trailing plant.

1 Drawing Sheet

1

Latin name of the genus and species of the plant claimed:
Pelargonium interspecific.
Varietal denomination: ‘PEQZ0098’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new *Pelargonium*, botanically known as *Pelargonium interspecific*, and hereinafter referred to by the variety name ‘PEQZ0098’.

‘PEQZ0098’ is a product of a planned breeding program. The new cultivar ‘PEQZ0098’ has lilac-violet colored inflorescences with semi-double florets, held above light green foliage, on a vigorous spreading, semi-trailing plant.

‘PEQZ0098’ originates from a hybridization in a controlled breeding program made in July 2015 in a greenhouse in Gilroy, Calif. The female parent was an unpatented plant of *P. x interspecific* parentage identified as ‘PEIBC1199-6V’ with smaller umbels, compared to ‘PEQZ0098’.

The male parent of ‘PEQZ0098’ was an unpatented, proprietary plant of *P. x hortorum* parentage, identified as ‘11496-7V’ with a more upright plant habit and rounder individual florets when compared to ‘PEQZ0098’. The resultant seed was sown in December 2015.

‘PEQZ0098’ was selected as one flowering plant within the progeny of the stated cross in May 2016 in a greenhouse in Gilroy, Calif.

The first act of asexual reproduction of ‘PEQZ0098’ was accomplished when vegetative stem cuttings were propagated from the initial selection in June 2016 in a greenhouse in Gilroy, Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings of the plant initiated in May 2016 in Gilroy, Calif. and continuing thereafter, has demonstrated that the combination of characteristics as herein disclosed for ‘PEQZ0098’ are firmly fixed and are retained through successive generations of asexual reproduction.

2

‘PEQZ0098’ 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.

A Plant Breeder’s Right for this cultivar has not yet been applied for. ‘PEQZ0098’ has not been made publicly available prior to the effective filing date of this application, notwithstanding any disclosure that may have been made less than one year prior to the effective filing date of this application by the inventor or another who obtained ‘PEQZ0098’ directly from the inventor.

The following traits have been repeatedly observed and are determined to be the basic characteristics of the new variety. The combination of these characteristics distinguishes this *Pelargonium* as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawings show typical flower and foliage characteristics of ‘PEQZ0098’ with colors being as true as possible with an illustration of this type. The photographic drawings show in FIG. 1, one flowering plant of the new variety and in FIG. 2, a close-up of an inflorescence.

DETAILED BOTANICAL DESCRIPTION

The plant descriptions and measurements were taken in Enkhuizen, The Netherlands in September 2022 under natural light. These plants were approximately 16 weeks old and were grown in a 12 cm pots, in a greenhouse trial. The plants shown in the photographs were about 20 weeks old growing in a 23 cm pot in a greenhouse. The photographs were taken in June 2022.

Color references are made to The Royal Horticultural Society Colour Chart (R.H.S.) 2001.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'PEQZ0098' AND A MOST SIMILAR VARIETY	
'PEQZ0098'	'PEQZ0027' (U.S. Plant Pat. No. 29,773)
Plant habit:	Spreading, semi-trailing Upright, outwardly spreading and rounded growth habit
Color upper side upper petal:	No spot in middle of petal RHS 74A spot in middle of petal

Plant:

Form, growth and habit.—Semi-spreading and semi-upright growth habit.

Plant height.—22-27 cm.

Plant height (inflorescence included).—25-30 cm.

Plant width.—58-64 cm.

Roots:

Number of days to initiate roots.—15-18 days at about 22 degrees C.

Number of days to produce a rooted cutting.—21-23 days at 22 degrees C.

Type.—Fine, fibrous, free branching.

Color.—RHS N155B but whiter.

Foliage:

Variation.—Absent.

Immature leaf, color upper surface.—Closest to RHS 137C.

Immature leaf, lower surface.—Closest to RHS 138B.

Mature leaf, color upper surface.—Closest to RHS 137A.

Mature leaf, color lower surface.—Closest to RHS 138B.

Length.—6-7 cm.

Width.—7.5-9 cm.

Shape.—Cordate.

Base shape.—Cordate.

Sinus of mature leaf.—Variable, very narrow to narrow on young mature leaf, more wide on older.

Leaf base openness.—Variable, some leaves almost closed, some leaves open or slightly open.

Apex shape.—Acute.

Margin.—Slightly dentate.

Texture upper side.—Hirsute.

Texture lower side.—Hirsute.

Leaf zonation color.—None.

Color of veins, upper surface.—RHS 137A, largely indistinct.

Color of veins, lower surface.—RHS 144B, becoming indistinct.

Pattern of veining.—Palmate.

Petiole color.—RHS 143C.

Petiole length.—7-11 cm.

Diameter of petiole.—0.2-0.3 cm.

Texture.—Pilose, hirsute, glandular hairs.

Stem:

Quantity of branches.—8-10.

Color of stem.—Close to RHS 143C.

Anthocyanin coloration of stem.—No anthocyanin present in the stem.

Length of stem.—20-30 cm.

Diameter.—0.8 cm.

Length of internodes.—1-4 cm.

Texture.—Sparsely hirsute, pilose, glandular hairs.

Peduncle:

Color of peduncle.—RHS 144A.

Length of peduncle.—9.5-16 cm.

Peduncle diameter.—0.3-0.5 cm.

Texture.—Hirsute, glandular hairs.

Anthocyanin coloration of peduncle.—A slight anthocyanin coloration is visible under high solar radiation on middle third.

Pedicel:

Color of pedicel.—Basal part RHS 143B, mottling with anthocyanin towards RHS 183A halfway the pedicel on a node.

Length of pedicel.—3-3.5 cm.

Diameter of pedicel.—0.15-0.2 cm.

Texture.—Sparsely pilose, glandular hairs.

Pedicel swelling.—Swelling was not observed.

Bud (just before opening):

Color.—RHS 144A.

Length.—1 cm.

Width.—0.6-0.7 cm.

Shape.—Elliptical.

Inflorescence:

Type.—Umbel; semi-spherical or nearly semi-spherical.

Lastingness of individual flowers.—7-9 days at 18° C. temperature.

Number of inflorescences per plant.—6-12, with 5-12 immature umbels in various stages.

Average total number of buds.—More than 50.

Fragrance.—None.

Umbel diameter.—8-10 cm.

Umbel depth.—5-7 cm.

Corolla:

Form.—Semi-double.

Number of petals.—7-15.

Diameter of flower.—4-5.5 cm.

Depth of flower.—1.5-2 cm.

Side view shape.—Concave.

Color upper petals, upper surface.—Basal rim RHS NN155C, lower half RHS 75C, intensifying to upper half RHS NN78A.

Color upper petals, lower surface.—Basal rim RHS NN155C, the main color is RHS N74B.

Length of upper petals.—2.4-2.6 cm.

Width of upper petals.—2.4-2.7 cm.

Color lower petals, upper surface.—Basal rim RHS NN155C, main color RHS NN78A.

Color lower petals, lower surface.—Whiter than RHS N155A the main color is RHS N74B.

Markings on upper petals.—Veins RHS N71B.

Markings on lower petals.—Veins RHS N71B.

Length of lower petals.—2.4-2.6 cm.

Width of lower petals.—1.8-2.2 cm, petaloids variably smaller smaller and with variable shape.

Petal shape.—Obovate to spatulate.

Apex shape.—Rounded.

Margin.—Entire.

Base.—Attenuate.

Petal texture.—Papillose on both surfaces.

Calyx:

Number of sepals.—5.

Color of sepals.—RHS 183A.

Length of sepals.—1-1.4 cm.

Width of sepals.—0.2-0.4 cm.

Sepal shape.—Lanceolate to linear.

Apex shape.—Acute.

Margins.—Mostly fused.

Texture, upper surface.—Glabrous.

Lower surface.—Glandular hairs, hirsute.

Sepal flexing.—Mostly unflexed sepals. The narrowest 5
sepals might flex moderately.

Reproductive organs:

Gynoecium:

Pistil.—RHS 145A.

Length.—0.8-0.9 cm.

Style color.—RHS 71A.

Style length.—0.4-0.5 cm.

Stigma color.—RHS 71A.

Ovary color.—RHS 144A.

Ovary length.—0.4-0.5 cm.

Ovary diameter.—0.2 cm.

Androecium:

Number of stamens.—6-9 with 1-5 staminoids.

Color of filaments.—RHS N155A, apex RHS N57D.

Length filaments.—0.5-0.6 cm.

Anther color.—RHS 186C.

Length of anthers.—0.3 cm.

Color of pollen.—RHS N167B.

Pollen amount.—Scarce.

Fertility/seed set.—Has not been determined to date.

10 *Disease/pest resistance.*—Has not been determined to
date.

What is claimed is:

1. A new and distinct variety of *Pelargonium* plant named
‘PEQZ0098’ substantially as illustrated and described
15 herein.

* * * * *



FIG. 1



FIG. 2