



US00PP10358P

United States Patent [19]

[11] Patent Number: Plant 10,358

Kristiansen

[45] Date of Patent: Apr. 28, 1998

[54] ASTER PLANT NAMED 'MARGRETHE VIKING'

Primary Examiner—James R. Feyrer
Assistant Examiner—Elizabeth C. Kemmerer
Attorney, Agent, or Firm—C. A. Whealy

[75] Inventor: Kell Kristiansen, Årslev, Denmark

[57] ABSTRACT

[73] Assignee: Asterklubben, Arslev, Denmark

A distinct cultivar of Aster plant named 'Margrethe Viking', characterized by its rapid growth rate and moderate vigor; freely branching and uniform plant habit; freely flowering even under winter conditions; large daisy-type inflorescences with pure white ray florets and yellow centers; purple flower buds; and good post-production longevity.

[21] Appl. No.: 772,600

[22] Filed: Dec. 23, 1996

1 Drawing Sheet

[51] Int. Cl.⁶ A01H 5/00

[52] U.S. Cl. Plt./68.1

[58] Field of Search Plt./68.1

1

2

The present invention relates to a new and distinct cultivar of pot Aster plant, botanically known as *Aster novi-belgii* and referred to by the cultivar name Margrethe Viking.

The new cultivar is a product of a planned breeding program conducted by the inventor in Årslev, Denmark. The objective of the breeding program was to create new Aster cultivars having desirable inflorescence colors, uniform plant habit and rapid growth rate.

The new cultivar originated from a cross made in 1995, by the inventor of a selection from the cross White Swan (not patented) with Royal Ruby (not patented) as the male or pollen parent with the cultivar White Swan as the female or seed parent.

The cultivar Margrethe Viking was discovered and selected by the inventor as a flowering plant within the progeny of the stated cross in a controlled environment in Årslev, Denmark. Asexual reproduction of the new cultivar by terminal cuttings taken at Årslev, Denmark, has shown that the unique features of this Aster are stable and reproduced true to type in successive generations of asexual reproduction.

The following traits have been repeatedly observed and are determined to be the unique characteristics of 'Margrethe Viking'. These characteristics in combination distinguish 'Margrethe Viking' as a new and distinct cultivar:

1. Rapid growth rate and moderate vigor.
2. Freely branching and uniform plant habit.
3. Freely flowering even under winter conditions.
4. Large daisy-type inflorescences with pure white ray florets and yellow centers.
5. Purple flower buds.
6. Good post-production longevity.

The cultivar Margrethe Viking has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, daylength and light intensity, without, however, any variance in genotype.

In comparison to plants of the new Aster, plants of the parents are taller, have smaller flowers and poor postproduction longevity.

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 first photograph comprises a top perspective view of typical flowering plant of the new Aster.

The second photograph comprises a top perspective view of a typical inflorescence of the new Aster. Floret and foliage colors in these photographs may vary from the actual ray and foliage colors due to light reflectance.

In the following description, color references are made to The Royal Horticultural Society Colour Chart except where general terms of ordinary dictionary significance are used. The following observations and measurements describe plants grown in Årslev, Denmark, under glass with average day and night temperatures of 20C. Plants received long day/short night treatments for the first six weeks, then short day/long night until flowering. Measurements and numerical values represent ranges or averages for six typical flowering plants.

Botanical classification: *Aster novi-belgii* cultivar Margrethe Viking.

Commercial classification: Pot Aster.

Parentage:

Male or pollen parent.—Selection of *Aster novi-belgii* White Swan (not patented) × Royal Ruby (not patented).

Female or seed parent.—*Aster novi-belgii* White Swan (not patented).

Propagation:

Type.—Terminal tip cuttings.

Time to rooting.—Summer: About 12 days at a temperature of 21C. Winter: About 13 days at a temperature of 21C.

Rooting habit.—Fine, fibrous and well-branched.

Plant description:

Appearance.—Perennial herbaceous decorative container plant. Stems upright to outward, inverted triangle, uniform habit and very freely branching. Rapid growth rate and moderate vigor. Appropriate for 10 to 15-cm containers. Usually about 11 weeks are required to produce a flowering plant.

Plant height.—13 to 16 cm.

Plant width.—23 to 27 cm.

Stem diameter.—2 to 5 mm.

Foliage description.—Arrangement: Distichous.

Shape: Elliptic with acute apex and auriculate base, margin entire. Size: Length: 2.5 to 3.5 cm. Width: 5 to 10 mm. Texture: Glabrous, leathery. Color: Abaxial surface: 137A. Adaxial surface: 137C.

Flowering description:

Appearance.—Daisy inflorescence form. Flat inflorescences borne on terminals above foliage, arising from leaf axils. Disc and ray florets arranged acropetally on a capitulum.

Flowering response.—Under natural conditions, plant flower in the late summer/autumn in the Northern Hemisphere. At other times of the year, inflorescence

initiation and development can be induced under short day/long night conditions.

Post-production longevity.—Good, inflorescences last about three to four weeks on the plant. Inflorescences persistent.

Quantity of Inflorescences.—Inflorescences form at every leaf axil. Very freely flowering, usually 6 to 9 inflorescences per flowering stem.

Inflorescence size.—Diameter: 3 to 3.5 cm. Depth (height): 1 to 1.5 cm. Diameter of disc: 6 to 8 mm.

Bud.—Shape: Ovoid. Size: Length: 8 to 10 mm. Diameter: 6 to 8 mm. Color: Purple.

Ray florets.—Quantity: 100 to 150 per inflorescence. Number of whorls: More than two. Shape: Narrowly obovate with obtuse apex and entire margin. Size: Length: 1.4 to 1.6 cm. Width: 1 to 2 mm. Texture: Satiny, smooth and glabrous. Aspect: Flat to slightly concave. Orientation: Horizontal to peduncle. Color: Mature, abaxial surface: Whiter than 155D. Mature, adaxial surface: Whiter than 155D.

Disc florets.—Quantity: 35 to 45 per inflorescence. Shape: Funnel. Length: 5 to 7 mm. Color, apex of corolla: Immature: Light purple. Mature: Purple.

Peduncle.—Aspect: Angled about 45° to the stem. Length: 2.5 to 3 cm. Texture: Glabrous. Color: 137A.

Reproductive organs.—Androecium: Present on disc florets only. Anther position: Even with apex of disc corolla. Anther size: About 2 mm. Anther color: 12A. Pollen: Moderate, 12A in color. Gynoecium: Present on both ray and disc florets. Stigma position: Above the anthers. Stigma shape: Bifurcate. Stigma color: 2D.

Disease resistance: No known Aster diseases observed to date on plants grown under commercial greenhouse conditions.

Seed production: Seed production has not been observed.

It is claimed:

1. A new and distinct cultivar of Aster plant named 'Margrethe Viking', as illustrated and described.

* * * * *

U.S. Patent

Apr. 28, 1998

Plant 10,358

