



US00PP12871P2

(12) **United States Plant Patent**
Glicenstein et al.

(10) **Patent No.:** **US PP12,871 P2**

(45) **Date of Patent:** **Aug. 20, 2002**

(54) **AZALEA PLANT NAMED 'TIMELESS'**

(58) **Field of Search** Plt./240, 239, 238

(75) **Inventors:** **Leon Glicenstein**, Lebanon, IN (US);
Wendy R. Bergman, Lehigh Acres, FL (US)

Primary Examiner—Kent L. Bell
(74) *Attorney, Agent, or Firm*—C. A. Whealy

(73) **Assignee:** **Yoder Brothers, Inc.**, Barberton, OH (US)

(57) **ABSTRACT**

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

A new and distinct cultivar of Azalea plant named 'Timeless', characterized by its dark green glossy leaves that do not abscise during the cooling and forcing periods; compact plants with dense, upright and outwardly spreading plant habit; very freely branching habit; rapid flowering response; numerous, large and showy bright pink-colored flowers; hose-in-hose flower form; ruffled petal margins; excellent postproduction longevity; and very low incidence of infection with *Cylindrocladium* in inoculated trials.

(21) **Appl. No.:** **09/888,801**

(22) **Filed:** **Jun. 25, 2001**

(51) **Int. Cl.⁷** **A01H 5/00**

2 Drawing Sheets

(52) **U.S. Cl.** **Plt./240**

1

2

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct cultivar of Azalea, botanically known as *Rhododendron hybrida*, an evergreen greenhouse-forcing type Azalea, and herein-after referred to by the name 'Timeless'.

less'. These characteristics in combination distinguish 'Timeless' as a new and distinct cultivar:

The new Azalea is a product of a planned breeding program conducted by the Inventors in Salinas, Calif. and Alva, Fla. The objective of the breeding program is to create new Azalea varieties having uniform plant habit, profuse and uniform flowering, dark green foliage, good foliage retention during the cooling and forcing periods, resistance to *Cylindrocladium*, and excellent postproduction longevity.

1. Dark green glossy leaves that do not abscise during the cooling and forcing periods.
2. Compact plants with dense, upright and outwardly spreading plant habit.
3. Very freely branching habit; usually about 5 or 6 lateral branches develop after pinching.
4. Rapid flowering response; plants begin flowering about 25 days after cooling treatment.
5. Numerous, large and showy bright pink-colored flowers.
6. Hose-in-hose flower form.
7. Ruffled petal margins.
8. Excellent postproduction longevity with plants maintaining good flower substance for more than four weeks in an interior environment.
9. Very low incidence of infection with *Cylindrocladium* in inoculated trials.

The new Azalea originated from a cross made by the Inventors in February, 1990, in Salinas, Calif., of a proprietary Azalea seedling selection identified as YB-160, not patented, as the female, or seed, parent with the cultivar 'Solitaire', not patented, as the male, or pollen, parent. The new Azalea was discovered and selected by the Inventors as a flowering plant within the progeny of the stated cross in a controlled environment in Alva, Fla., in March, 1993. The selection of this plant was based on its hose-in-hose flower form, bright pink flower color, ruffled petal margins, large flowers, uniform flowering response, very good foliage retention, and excellent postproduction longevity.

Plants of the new Azalea differ from plants of the female parent, the selection YB-160, in the following characteristics:

Asexual reproduction of the new Azalea by terminal cuttings taken in a controlled environment in Alva, Fla. since September, 1993, has shown that the unique features of this new Azalea are stable and reproduced true to type in successive generations.

1. Plants of the new Azalea are larger and not as compact as plants of the selection YB-160.
2. Plants of the new Azalea have hose-in-hose flowers whereas plants of the selection YB-160 have double flowers.
3. Plants of the new Azalea have brighter pink-colored flowers than plants of the selection YB-160.

SUMMARY OF THE INVENTION

Plants of the new Azalea are similar in flower color to the plants of the male parent, the cultivar 'Solitaire'; plants of the new Azalea differ from plants of the cultivar 'Solitaire' in the following characteristics:

The new Azalea has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, daylength, light intensity, relative humidity, fertilizer rate and type, and/or water status without, however, any variance in genotype.

1. Plants of the new Azalea are more compact, more symmetrical and not as outwardly spreading as plants of the cultivar 'Solitaire'.
2. Plants of the new Azalea flower more uniformly than plants of the cultivar 'Solitaire'.

The following traits have been repeatedly observed and are determined to be the unique characteristics of 'Timeless'.

- Plants of the new Azalea flower are more resistant to infection by *Cylindrocladium* than plants of the cultivar 'Solitaire'.

Plants of the new Azalea can be compared to the plants of the cultivar 'YB 871 Remembrance', disclosed in U.S. Plant Pat. No. 9,132. However, in side-by-side comparisons conducted in Alva, Fla., plants of the new Azalea differed from plants of the cultivar 'YB 871 Remembrance' in the following characteristics:

- Plants of the new Azalea have hose-in-hose flowers whereas plants of the cultivar 'YB 871 Remembrance' have semi-double flowers.
- Plants of the new Azalea have larger flowers than plants of the cultivar 'YB 871 Remembrance'.
- Plants of the new Azalea have lighter pink flowers than plants of the cultivar 'YB 871 Remembrance'.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the overall appearance of the new Azalea. These photographs show the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photographs may differ slightly from the color values cited in the detailed botanical description, which accurately describe the colors of the new Azalea.

The photograph on the first sheet comprises a side perspective view of a typical flowering plant of 'Timeless'.

The photograph on the second sheet is a close-up view of typical flowers and leaves of 'Timeless'.

DETAILED BOTANICAL DESCRIPTION

The aforementioned and following observations, measurements, values, and comparisons describe plants grown in Alva, Fla. with three plants per 15-cm containers, in a polypropylene-covered shade house during the spring under commercial production conditions. During the production of the plants, day temperatures ranged from 13 to 38° C. and night temperatures ranged from 0 to 26° C. Plants were pinched at planting, pinched a second time about 12 weeks later, and pinched a third time about 12 weeks later. After sufficient flower bud development, plants were cooled at 3 to 5° C. for four weeks to break flower bud dormancy. Plants were subsequently forced into flower under commercial production conditions in a polyethylene-covered greenhouse. Plants used for the photographs and description were about one year old.

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.

Botanical classification:

Botanical.—*Rhododendron hybrida* 'Timeless'.

Commercial.—Evergreen greenhouse-forcing type Azalea.

Parentage:

Female or seed parent.—Proprietary seedling selection of *Rhododendron hybrida* identified as code number YB-160, not patented.

Male or pollen parent.—*Rhododendron hybrida* cultivar 'Solitaire', not patented.

Propagation:

Type.—By terminal vegetative cuttings.

Time to initiate roots.—Summer: About 35 days at temperatures of 24° C. Winter: About 42 days at temperatures of 24° C.

Time to develop roots.—Summer: About 63 days at temperatures of 24° C. Winter: About 77 days at temperatures of 24° C.

Root description.—Fine, fibrous, freely branching, white in color.

Plant description:

Plant form and growth habit.—Perennial, evergreen; compact, upright and outwardly spreading plant habit; inverted triangle; moderately vigorous growth habit. Densely foliated. Freely flowering; numerous flowers per plant.

Branching habit.—Very freely branching; about five or six lateral branches develop after pinching (removal of terminal apex).

Plant height, soil level to top of flowers.—About 23 cm.

Plant diameter, area of spread.—About 46 cm.

Lateral branch description.—Length: About 17.5 cm.

Diameter at base: About 7.5 mm. Texture: Young: Pubescent, fine brown hairs. Mature: Woody; pubescent, fine brown hairs. Color: Young: 144A to 146A. Mature: Closest to 199A.

Foliage description.—Arrangement: Alternate, single.

Foliage retention: Very good foliage retention on plants of the new Azalea that have been in a box for six weeks during the cooling treatment. Length: About 4.1 cm. Width: About 2 cm. Shape: Obovate. Apex: Cuspidate to mucronate. Base: Attenuate. Margin: Entire. Venation pattern: Pinnate. Texture, upper and lower surfaces: Leathery, tough, durable; pubescent. Luster: Upper surface: Glossy. Lower surface: Dull. Color: Young and mature foliage, upper surface: Much darker green than 147A. Young and mature foliage, lower surface: Close to 147B. Venation, upper surface: Main veins, close to 144A; lateral veins, same as lamina. Venation, lower surface: Main veins, close to 144A to 144B; lateral veins, same as lamina. Petiole: Length: About 7.5 mm. Diameter: About 2 mm. Texture: Upper surface: Smooth, glabrous. Lower surface: Pubescent. Color: Upper surface: Close to 144A. Lower surface: Close to 144A to 144B.

Flower description:

Natural flowering season.—Spring after sufficient cool period. If forced, plants typically flower about 25 days after a four-week cooling treatment. Flowers persistent.

Flower arrangement.—Flowers arranged singly at terminals with usually about three to four flowers per apex; freely flowering. Flowers face upward and outward. Not fragrant.

Flower appearance.—Large hose-in-hose flower form; bright pink-colored petals.

Flower diameter.—About 7.9 cm.

Flower depth.—About 3.4 cm.

Postproduction longevity.—Under interior conditions, plants maintain good flower substance for more than four weeks.

Flower bud (before showing color).—Rate of opening: About three to four days depending on temperatures. Length: About 1.2 cm. Diameter: About 6 mm. Shape: Ovoid. Texture: Covered with fine pubescence. Color: Close to 144A to 144B.

Petals.—Arrangement: Hose-in-hose flower form; one whorl of five fused petals and one whorl of five fused sepals transformed into petal-like structures. Length: About 4.5 cm. Width: About 3.4 cm. Shape: Beyond fused base, roughly orbicular to somewhat cordate with rounded apex. Margin: Entire, undulate. Texture, upper and lower surfaces: Smooth, satiny. Color: When opening, upper and lower surfaces: Close to 68A. Fully opened, upper surface: Close to 68A. Fully opened, lower surface: Slightly lighter than 68A. Throat: Close to 68A. Spots on upper surface of lower three petals: Faint, close to 57A.

Sepals.—Arrangement/appearance: One whorl of five sepals transformed into petal-like structures. Length: About 3.9 cm. Width: About 2.8 cm. Shape: Roughly spatulate with mostly rounded apex. Margin: Entire, undulate. Texture, upper and lower surfaces: Towards apex, glabrous; towards base, randomly pubescent. Color: Upper surface: Close to 68A. Lower surface: Towards apex, close to 68A; towards base, close to 68D.

Peduncles.—Length: About 1.7 cm. Diameter: About 2 mm. Angle: Upright to 35° from vertical. Strength: Flexible; strong. Texture: Pubescent. Color: 144A.

Reproductive organs.—Androecium: Occasionally stamens may be transformed into petal-like structures. True stamens: Quantity of stamens: Five per flower. Filament length: About 2.3 cm. Filament diameter: Less than 1 mm. Filament color: Close to 62D to

155D. Anther size: About 2 mm by 1.5 mm. Anther shape: Oblong. Anther color: Close to 62C. Amount of pollen: Scarce. Pollen color: Close to 11D to 155D. Petal-like stamens: Appearance: Irregular in size, shape and quantity per flower. Length: About 3.3 cm. Width: About 1.8 cm. Shape: Roughly spatulate with rounded apex. Margin: Entire, undulate. Texture: Smooth. Color, upper and lower surfaces: Close to 68A. Gynoecium: Quantity of pistils: One per flower. Pistil length: About 3.4 cm. Style length: About 2.8 mm. Style diameter: Less than 1 mm. Style color: Close to 62A to 62B. Stigma diameter: About 2 mm. Stigma shape: Rounded to oblong. Stigma color: Close to 11D. Ovary color: 147A; heavily whiskered.

Seed.—Seed production has not been observed.

Weather/temperature tolerance: Plants of the new *Azalea* have been observed to be very tolerant to rain and wind. Plants of the new *Azalea* have been observed to tolerate temperatures from 0 to 38° C.

Disease resistance: In inoculated trials that were conducted in Alva, Fla. during the summers of 1996, 1998 and 1999, plants of the new *Azalea* have been observed to be very resistant to infection by *Cylindrocladium*.

It is claimed:

1. A new and distinct *Azalea* plant named 'Timeless', as illustrated and described.

* * * * *



