



APPLICATIONS UNDER EXAMINATION

HEUCHERA

HEUCHERA (*Heuchera*)

Proposed denomination: 'Appletini'
Application number: 16-9043
Application date: 2016/12/02
Applicant: Walters Gardens, Inc., Zeeland, Michigan, United States of America
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Hans A. Hansen, Zeeland, Michigan, United States of America

Varieties used for comparison: 'Citronelle' and 'Pretty Pistachio'

Summary: *The petiole of 'Appletini' is longer than the petiole of 'Pretty Pistachio'. The petiole of 'Appletini' is medium brown purple while the petiole of 'Citronelle' is light green and brown red and that of 'Pretty Pistachio' is light green and medium brown purple. The upper side of the young leaf blade of 'Appletini' is light green with darker green distributed along the veins while the upper side of the young leaf blade of 'Citronelle' and 'Pretty Pistachio' is light green throughout. The leaf blade of 'Appletini' is shorter than the leaf blade of 'Pretty Pistachio'. The leaf blade of 'Appletini' has deep sinuses between the lobes and strong undulation of the margin while that of 'Pretty Pistachio' has sinuses of medium depth and a medium degree of undulation of the margin. The upper side of the leaf blade of 'Appletini' is light green with darker green distributed along the veins while the upper side of the leaf blade of 'Citronelle' is light green throughout and that of 'Pretty Pistachio' is medium yellow green throughout. The plants of 'Appletini' begin flowering early to mid-season while those of 'Citronelle' begin flowering mid to late season. The flowering stem of 'Appletini' is medium brown purple with a medium density of flowers while that of 'Citronelle' is medium brown purple to brown red with sparse flower density. The flower bud of 'Appletini' is dark purple red while it is white for 'Citronelle' and light red pink for 'Pretty Pistachio'. The flower of 'Appletini' has an upwards attitude while the flowers of the reference varieties have a semi-downwards attitude. The outer side of the flower is dark red for 'Appletini' while it is white for 'Citronelle' and light red pink to light blue pink for 'Pretty Pistachio'.*

Description:

PLANT: medium density of foliage

PETIOLE: sparse pubescence, medium brown purple (RHS 185D)

YOUNG LEAF BLADE (UPPER SIDE): light green (RHS 145B/C) distributed throughout in a solid or nearly solid pattern over a large area, light green (RHS 144B) distributed along veins in a solid or nearly solid pattern over a small area

LEAF BLADE: very slightly elongated to slightly elongated length to width ratio, rounded apex, deep sinuses between lobes, medium number of shallow indentations of margin, strong undulation of margin, weak rugosity

LEAF BLADE (UPPER SIDE): absent or very weak glossiness, absent or very sparse pubescence, light green (between RHS 157A and 145D) distributed throughout in a solid or nearly solid pattern over a medium to large area, light green (RHS N144C) distributed along veins in a solid or nearly solid pattern over a small area

LEAF BLADE (LOWER SIDE): light green (RHS 144D to 145D), absent or very sparse pubescence

TIME OF FLOWERING: begins early to mid-season

FLOWERING STEM: upright to semi-upright attitude, medium brown purple (RHS 187A), length to width ratio of flowering part moderately to strongly elongated, medium density of flowers

FLOWER BUD: dark purple red (RHS 46A)

FLOWER: upwards attitude, short to medium length, narrow to medium width, dark red (RHS 45A/B) on outer side

Origin and Breeding: 'Appletini' originated from a controlled cross conducted by the breeder, Hans Hansen, in Zeeland, Michigan, USA on January 30, 2012. The cross was conducted between two unreleased proprietary hybrids, 11-8-1, as the female parent, and K11-52-16, as the male parent. During the spring of 2013, 'Appletini' was selected for its flower colour, foliage colour, plant growth habit, heat tolerance, number of flowers and vigour. 'Appletini' was first propagated asexually using stem cuttings in the fall of 2014.

Tests and Trials: The comparative trial for ‘Appletini’ was conducted outdoors during the summers of 2018 and 2020 at Variety Rights Management in Oxford Station, Ontario. The trial included 20 plants of ‘Appletini’, 19 plants of ‘Citronelle’ and 20 plants of ‘Pretty Pistachio’ in both trial years. The plants were grown in 16 cm pots with 40 cm spacing between pots under a galvanized steel structure covered with black mesh shade fabric. The observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety. Data on the flowering characteristics was collected in 2020. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘Appletini’

	‘Appletini’	‘Citronelle’*	‘Pretty Pistachio’*
<i>Petiole length (cm)</i>			
mean	8.5	7.7	6.3
std. deviation	1.0	0.9	1.1
<i>Colour of petiole (RHS)</i>			
main	185D	145C and 182C	145A and 185C
<i>Colour of young leaf blade (RHS)</i>			
colour one	145B/C	144B to N144C	N144A
colour two	144B	N/A	N/A
<i>Leaf blade length (cm)</i>			
mean	5.9	6.1	6.3
std. deviation	0.2	0.5	0.4
<i>Colour of upper side of leaf blade (RHS)</i>			
colour one	157A and 145D	N144A/B	151C/D
colour two	N144C along veins	N/A	N/A
<i>Colour of flowering stem (RHS)</i>			
main	187A	182A/B	184D
<i>Colour of flower bud (RHS)</i>			
main	46A	N155C	49D
<i>Colour of flower (RHS)</i>			
outer side	45A/B	NN155C	50D to 54D

*reference varieties



Heuchera: 'Appletini'



Heuchera: Reference variety 'Citronelle'



Heuchera: Reference variety 'Pretty Pistachio'

Proposed denomination: 'Pretty Pistachio'
Application number: 16-9045
Application date: 2016/12/02
Applicant: Walters Gardens, Inc., Zeeland, Michigan, United States of America
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Hans A. Hansen, Zeeland, Michigan, United States of America

Varieties used for comparison: 'Citronelle' and 'Appletini'

Summary: *The petiole of 'Pretty Pistachio' is shorter than that of the reference varieties. The petiole of 'Pretty Pistachio' is light green and medium brown purple while the petiole of 'Citronelle' is light green and brown red and that of 'Appletini' is medium brown purple. The upper side of young leaf blade of 'Pretty Pistachio' is light green throughout while that of 'Appletini' is light green with darker green distributed along the veins. The leaf blade of 'Pretty Pistachio' is longer than the leaf blade of 'Appletini'. The leaf blade of 'Pretty Pistachio' has sinuses of medium depth between the lobes and a medium degree of undulation of the margin while those of the reference varieties have deep sinuses between the lobes and a strong undulation of the margin. The upper side of the leaf blade of 'Pretty Pistachio' is medium yellow green while the leaf blade of 'Citronelle' is light green and that of 'Appletini' is light green with darker green distributed along the veins. The plants of 'Pretty Pistachio' begin flowering early to mid-season while those of 'Citronelle' begin flowering mid to late season. The flowering stem of 'Pretty Pistachio' is medium brown purple while that of 'Citronelle' is medium brown purple to brown red and that of 'Appletini' is dark brown. The flower bud of 'Pretty Pistachio' is light red pink while it is white for 'Citronelle' and dark purple red for 'Appletini'. The flower of 'Pretty Pistachio' has a semi-downwards attitude while that of 'Appletini' has an upwards attitude. The outer side of the flower is light red pink to light blue pink for 'Pretty Pistachio' while it is white for 'Citronelle' and dark red for 'Appletini'.*

Description:

PLANT: medium density of foliage

PETIOLE: light green (RHS 145A) and medium brown purple (RHS 185C), dense pubescence

YOUNG LEAF BLADE (UPPER SIDE): light green (RHS N144A) distributed throughout in a solid or nearly solid pattern over a large area

LEAF BLADE: very slightly elongated length to width ratio, acute apex, medium depth of sinuses between lobes, medium number of shallow indentations of margin, medium degree of undulation of margin, weak rugosity

LEAF BLADE (UPPER SIDE): absent or very weak glossiness, sparse pubescence, medium yellow green (RHS 151C/D) distributed throughout in a solid or nearly solid pattern over a large area

LEAF BLADE (LOWER SIDE): light green (RHS 145C to 157A), sparse pubescence

TIME OF FLOWERING: begins early to mid-season

FLOWERING STEM: upright to semi-upright attitude, medium brown purple (RHS 184D), length to width ratio of flowering part moderately to strongly elongated, sparse to medium density of flowers

FLOWER BUD: light red pink (RHS 49D)

FLOWER: semi-downwards attitude, short to medium length, narrow to medium width, light red pink (RHS 50D) to light blue pink (RHS 54D) outer side

Origin and Breeding: ‘Pretty Pistachio’ originated from a controlled cross conducted by the breeder, Hans Hansen, in Zeeland, Michigan, USA on January 23, 2012. The cross was made between the female parent ‘Hercules’ and the male parent, a proprietary unreleased hybrid known by the breeder code K9-67-05. During the spring of 2012, ‘Pretty Pistachio’ was selected for its flower colour, plant growth habit, heat tolerance, number of flowers and vigour. ‘Pretty Pistachio’ was first propagated asexually using stem cuttings in the fall of 2014.

Tests and Trials: The comparative trial for ‘Pretty Pistachio’ was conducted outdoors during the summers of 2018 and 2020 at Variety Rights Management in Oxford Station, Ontario. The trial included 20 plants of ‘Pretty Pistachio’, 19 plants of ‘Citronelle’ and 20 plants of ‘Appletini’ in both trial years. The plants were grown in 16 cm pots with 40 cm spacing between pots under a galvanized steel structure covered with black mesh shade fabric. The observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety. Data on the flowering characteristics was collected in 2020. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘Pretty Pistachio’

	‘Pretty Pistachio’	‘Citronelle’*	‘Appletini’*
<i>Petiole length (cm)</i>			
mean	6.3	7.7	8.5
std. deviation	1.1	0.9	1.0
<i>Petiole colour (RHS)</i>			
main	145A and 185C	145C and 182C	185D
<i>Colour of upper side of young leaf blade (RHS)</i>			
colour one	N144A	144B to N144C	145B/C
colour two	N/A	N/A	144B along veins
<i>Leaf blade length (cm)</i>			
mean	6.3	6.1	5.9
std. deviation	0.4	0.5	0.2
<i>Colour of upper side of leaf blade (RHS)</i>			
colour one	151C/D	N144A/B	between 157A and 145D
colour two	N/A	N/A	N144C along veins
<i>Colour of flowering stem (RHS)</i>			
main	184D	182A/B	187A
<i>Colour of flower bud (RHS)</i>			
main	49D	N155C	46A
<i>Colour of flower (RHS)</i>			
outer side	50D to 54D	NN155C	45A/B

*reference varieties



Heuchera: 'Pretty Pistachio'



Heuchera: Reference variety 'Citronelle'



Heuchera: Reference variety 'Appletini'