



APPLICATIONS UNDER EXAMINATION

CALIBRACHOA

CALIBRACHOA
(Calibrachoa)

Proposed denomination: 'BBCAL99001'
Trade name: Superbells Coral Sun
Application number: 20-10246
Application date: 2020/05/20
Applicant: Plant 21 LLC, Bonsall, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Brent D. Barnes, Plant 21 LLC, Bonsall, California, United States of America

Variety used for comparison: 'BBCAL91303' (Superbells Honeyberry)

Summary: *The plants and pedicels of 'BBCAL99001' are shorter than those of 'BBCAL91303'. The flowers of 'BBCAL99001' are smaller than those of 'BBCAL91303'. The area of colour at the transition to the corolla tube, on the inner side of the corolla lobe, of 'BBCAL99001' is medium to large whereas that of 'BBCAL91303' is small to medium sized. When fully opened, the inner side of the corolla lobe of 'BBCAL99001' is medium purple red whereas that of 'BBCAL91303' is medium blue pink with medium purple red along the margin.*

Description:

PLANT: semi-upright growth habit

LEAF BLADE: broad acute apex, no variegation, medium green on upper side

FLOWER: single type, weak to medium degree of lobing

COROLLA LOBE: medium to strong conspicuousness of veins, rounded to truncate apex

COROLLA LOBE (INNER SIDE): when newly and fully opened medium purple red (RHS 58B), when aged pink (RHS 52C), medium to large rounded area of medium yellow (RHS 12A) at transition to corolla tube, no marking at transition to corolla tube

COROLLA TUBE (INNER SIDE): dark yellow (RHS 14A), absent or very weak conspicuousness of veins

Origin and Breeding: 'BBCAL99001' originated from a controlled cross conducted by the breeder, Brent D. Barnes in Bonsall, California, USA on September 25, 2017. The cross was conducted between the female parent, proprietary seedling designated '17CB192-01', and the male parent, a proprietary seedling designated '17CB203-01'. The new variety was selected as a single seedling from the resulting progeny on June 15, 2018 based on its plant growth habit, flowering time, flower colour and pattern and garden performance. Asexual propagation of 'BBCAL99001' was first conducted by vegetative tip cuttings on June 19, 2018 in Bonsall, California, USA.

Tests and Trials: The comparative trial for 'BBCAL99001' was conducted in a polyhouse during the summer of 2021 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of 20 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 30 cm diameter hanging baskets on April 26, 2021. Each basket contained 4 cuttings with a total of 5 baskets per variety. Observations and measurements were taken from 10 plants, or parts of plants, on June 10, 2021. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart. Mean differences were significant at the 5% probability level based on paired Student's T-tests.

Comparison table for 'BBCAL99001'

	'BBCAL99001'	'BBCAL91303'*
<i>Plant height (cm)</i>		
mean	10.2	15.3
std. deviation	0.82	1.58

Pedical length (cm)

mean	0.8	1.4
std. deviation	0.15	0.13

Flower diameter (cm)

mean	2.74	3.35
std. deviation	0.11	0.16

Main colour of corolla (RHS)

fully opened	58B	N57D with N57C along margins
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*reference variety



Calibrachoa: 'BBCAL9901' (left) with reference variety 'BBCAL91303' (right)



Calibrachoa: 'BBCAL9901' (left) with reference variety 'BBCAL91303' (right)



Calibrachoa: 'BBCAL99001' (left) with reference variety 'BBCAL91303' (right)

Proposed denomination: 'CBRZ0017'
Application number: 18-9627
Application date: 2018/10/19
Applicant: Syngenta Participations AG, Basel, Switzerland
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Mitchell Hanes, Syngenta Flowers, Inc., Gilroy, California, United States of America

Description:

PLANT: upright growth habit, short to medium height
SHOOT: short to medium length

LEAF BLADE: short to medium length, narrow to medium width, obtuse apex, no variegation, medium green on upper side

PEDICEL: short

CALYX LOBE: short, narrow

FLOWER: single type, medium width, medium degree of lobing

COROLLA LOBE: absent or very weak conspicuousness of veins, rounded apex

COROLLA LOBE (INNER SIDE): when newly opened medium yellow (RHS 9A), when fully opened mainly medium yellow (RHS 9B), when aged medium yellow (RHS 6C), medium yellow (RHS 6C) at margin of corolla lobes, absent or very small area of main colour at transition to corolla tube, absent or very small marking at transition to corolla tube, absent or very weak colour change during growing season

COROLLA TUBE (INNER SIDE): medium yellow orange (RHS 21B), absent or very weak conspicuousness of veins

Origin and Breeding: 'CBRZ0017' originated from a controlled cross conducted by the breeder, Mitchell E. Hanes, in Gilroy, California, USA, in August 2014. The cross was made between the female parent, a proprietary seedling designated '4127-1' and the male parent, a proprietary seedling designated 'CASBO116-1'. The resultant seed was sown in February 2015 and 'CBRZ0017' was selected in June 2015 based on flower colour, flower abundance and tolerance to heat and drought.

Tests and Trials: The detailed description of 'CBRZ0017' is based on the UPOV Report of Technical Examination, application number 2018/1114, purchased from Community Plant Variety Office in Angers, France. The trials were conducted by the Bundessortenamt in Hannover, Germany in 2019. Colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.



Calibrachoa: 'CBRZ0017'



Calibrachoa: 'CBRZ0017'

Proposed denomination:	‘CBRZ0019’
Trade name:	Cabrio Amethyst
Application number:	18-9628
Application date:	2018/10/19
Applicant:	Syngenta Participations AG, Basel, Switzerland
Agent in Canada:	BioFlora Inc., St. Thomas, Ontario
Breeder:	Mitchell Hanes, Syngenta Flowers, Inc., Gilroy, California, United States of America

Varieties used for comparison: ‘INCALCOBLU’ (Superbells Tabletop Blue) and ‘Balcabdebu’ (Cabaret Deep Blue)

Summary: *The plants of ‘CBRZ0019’ are taller and have longer shoots than those of both reference varieties. The leaves of ‘CBRZ0019’ are longer than those of ‘Balcabdebu’. The petioles of ‘CBRZ0019’ are shorter than the petioles of both reference varieties. The calyx of ‘CBRZ0019’ is shorter than that of ‘INCALCOBLU’ and longer than that of ‘Balcabdebu’. The flowers of ‘CBRZ0019’ are larger than those of both reference varieties. The veins on the inner side of the corolla lobe of ‘CBRZ0019’ are weakly conspicuous whereas those for ‘INCALCOBLU’ have a conspicuousness which ranges from medium to strong and those for ‘Balcabdebu’ are of medium conspicuousness.*

Description:

PLANT: upright growth habit

LEAF BLADE: narrow acute to broad acute apex, no variegation, medium green on upper side

PEDICEL: absent or very weak to weak intensity of anthocyanin colouration

FLOWER: single type, absent or very weak to weak degree of lobing

COROLLA LOBE: weak conspicuousness of veins, emarginate apex

COROLLA LOBE (INNER SIDE): when newly opened dark violet (closest to RHS 83A), when fully opened dark violet (closest to RHS 83B) with narrow darker violet (darker than RHS 83A) along the fused parts of the corolla lobe, when aged medium violet (RHS N82A), small incomplete star-shaped area of dark violet (RHS 79A) at transition to corolla tube, absent or very small marking at transition to corolla tube

COROLLA TUBE (INNER SIDE): medium yellow (RHS 7B), medium conspicuousness of veins

Origin and Breeding: ‘CBRZ0019’ originated from a controlled cross conducted by the breeder, Mitchell E. Hanes, in Gilroy, California, USA, in March 2015. The cross was made between the female parent, a proprietary seedling designated ‘CAL2656-4’, and the male parent, a proprietary seedling designated ‘CAL4145-1’. The resultant seed was sown in August 2015 and ‘CBRZ0019’ was selected in October 2015 based on growth habit, flower colour and flowering time.

Tests and Trials: The comparative trial for ‘CBRZ0019’ was conducted in a polyhouse during the summer of 2021 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of 20 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 30 cm diameter hanging baskets on April 26, 2021. Each basket contained 4 cuttings with a total of 5 baskets per variety. Observations and measurements were taken from 10 plants, or parts of plants, on June 10, 2021. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart. Mean differences were significant at the 5% probability level based on paired Student’s T-tests.

Comparison table for ‘CBRZ0019’

	‘CBRZ0019’	‘INCALCOBLU’*	‘Balcabdebu’*
<i>Plant height (cm)</i>			
mean	13.3	7.7	10.4
std. deviation	0.67	0.67	1.52
<i>Shoot length (cm)</i>			
mean	19.7	10.5	15.9
std. deviation	1.97	1.03	1.45
<i>Leaf length (cm)</i>			
mean	3.3	3.6	2.7
std. deviation	0.20	0.27	0.11

<i>Petiole length (cm)</i>			
mean	0.19	0.57	0.33
std. deviation	0.07	0.13	0.07
<i>Calyx length (cm)</i>			
mean	0.98	1.60	0.83
std. deviation	0.04	0.13	0.13
<i>Flower diameter (cm)</i>			
mean	3.33	2.94	2.88
std. deviation	0.15	0.11	0.08

*reference varieties



Calibrachoa: 'CBRZ0019' (left) with reference variety 'INCALCOBLU' (right)



Calibrachoa: 'CBRZ0019' (left) with reference variety 'INCALCOBLU' (right)



Calibrachoa: 'CBRZ0019' (left) with reference variety 'INCALCOBLU' (right)

Proposed denomination: 'CBRZ0020'
Application number: 18-9632
Application date: 2018/10/22
Applicant: Syngenta Participations AG, Basel, Switzerland
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Mitchell Hanes, Syngenta Flowers, Inc., Gilroy, California, United States of America

Description:

PLANT: semi-upright growth habit, short to medium height
 SHOOT: short to medium length

LEAF BLADE: short to medium length, narrow, narrow acute apex, no variegation, dark green on upper side

PEDICEL: short

CALYX LOBE: medium length, narrow

FLOWER: single type, broad, medium degree of lobing

COROLLA LOBE: absent or very weak conspicuousness of veins, truncate apex

COROLLA LOBE (INNER SIDE): when newly opened medium blue violet (RHS N82D-C), when fully opened mainly medium blue violet (lighter than RHS N82D), when aged light blue violet (more red than RHS 85C), large area of dark violet (RHS 86A) at transition to corolla tube, absent or very small marking at transition to corolla tube, absent or very weak colour change during growing season

COROLLA TUBE (INNER SIDE): medium yellow orange (RHS 19A), weak conspicuousness of veins

Origin and Breeding: 'CBRZ0020' originated from a controlled cross conducted by the breeder, Mitchell E. Hanes, in Gilroy, California, USA, in March 2015. The cross was made between the female parent, a proprietary seedling designated 'CAL4132-18', and the male parent, a proprietary seedling designated 'CASBO165-1'. The resultant seed was sown in August 2015 and 'CBRZ0020' was selected in October 2015 based on flower colour and colour pattern, flower size and flowering time.

Tests and Trials: The detailed description of 'CBRZ0020' is based on the UPOV Report of Technical Examination, application number 2018/1116, purchased from Community Plant Variety Office in Angers, France. The trials were conducted by the Bundessortenamt in Hannover, Germany in 2019. Colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.



Calibrachoa: 'CBRZ0020'



Calibrachoa: 'CBRZ0020'

Proposed denomination:	‘CBRZ0026’
Trade name:	Cabrio Sweet Peach
Application number:	19-9890
Application date:	2019/05/17
Applicant:	Syngenta Participations AG, Basel, Switzerland
Agent in Canada:	BioFlora Inc., St. Thomas, Ontario
Breeder:	Mitchell Hanes, Syngenta Flowers, Inc., Gilroy, California, United States of America

Variety used for comparison: ‘CBRZ0006’ (Callie Apricot)

Summary: *The plants of ‘CBRZ0026’ are shorter than those of ‘CBRZ0006’. The leaves of ‘CBRZ0026’ are smaller than those of ‘CBRZ0006’. The inner side of the corolla lobe of ‘CBRZ0026’ has a very small yellow orange area at the transition to the corolla tube whereas that of ‘CBRZ0006’ has a medium sized dark red to medium red area. The marking on the inner side of the corolla lobe of ‘CBRZ0026’ is red pink and star shaped whereas that of ‘CBRZ0006’ is yellow and wedged. When fully opened, the inner side of the corolla lobe of ‘CBRZ0026’ is light orange towards pink at the margin whereas that of ‘CBRZ0006’ is medium orange.*

Description:

PLANT: semi-upright growth habit

LEAF BLADE: broad acute apex, no variegation, medium green on upper side

FLOWER: single type, medium degree of lobing

COROLLA LOBE: medium conspicuousness of veins, cuspidate apex

COROLLA LOBE (INNER SIDE): when newly opened light orange (RHS 25D), when fully opened mainly light pink orange (RHS 26C-D) towards pink (RHS 37B) at margin, when aged light orange (RHS 26D) and pink to light red pink (RHS 37C-D), secondary medium purple red (RHS 54A) at margin of corolla lobes, very small rounded to star-shaped area of yellow orange (RHS 13A) at transition to corolla tube, medium sized star-shaped red pink (RHS 47C) marking at transition to corolla tube

COROLLA TUBE (INNER SIDE): dark yellow (RHS 13A), weak to medium conspicuousness of veins

Origin and Breeding: ‘CBRZ0026’ originated from a controlled cross conducted by the breeder, Mitchell E. Hanes, in Gilroy, California, USA, in March 2014. The cross was made between the female parent, a proprietary seedling designated ‘3041-1’, and the male parent, a proprietary seedling designated ‘3072-2’. The resultant seed was sown in July 2014 and ‘CBRZ0026’ was selected in October 2014 based on growth habit, flower colour and flowering time.

Tests and Trials: The comparative trial for ‘CBRZ0026’ was conducted in a polyhouse during the summer of 2021 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of 20 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 30 cm diameter hanging baskets on April 26, 2021. Each basket contained 4 cuttings with a total of 5 baskets per variety. Observations and measurements were taken from 10 plants, or parts of plants, on June 10, 2021. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart. Mean differences were significant at the 5% probability level based on paired Student’s T-tests.

Comparison table for ‘CBRZ0026’

	‘CBRZ0026’	‘CBRZ0006’*
<i>Plant height (cm)</i>		
mean	11.9	17.9
std. deviation	1.96	1.43
<i>Shoot length (cm)</i>		
mean	12.4	22.7
std. deviation	1.39	3.63
<i>Leaf length (cm)</i>		
mean	2.3	3.7
std. deviation	0.19	0.20

Leaf width (cm)

mean	0.8	1.3
std. deviation	0.09	0.13

Colour of inner side of corolla lobe (RHS)

fully opened-main colour	26C-D towards 37B at margin	30D
area of transition to corolla tube	13A	N45A to 45C

*reference variety



Calibrachoa: 'CBRZ0026' (left) with reference variety 'CBRZ0006' (right)



Calibrachoa: 'CBRZ0026' (left) with reference variety 'CBRZ0006' (right)



Calibrachoa: 'CBRZ0026' (left) with reference variety 'CBRZ0006' (right)

Proposed denomination:	'KLECA20428'
Trade name:	Superbells Double Orange
Application number:	19-10038
Application date:	2019/10/31
Applicant:	Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada:	BioFlora Inc., St. Thomas, Ontario
Breeder:	Nils Klemm, Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany Dominik Losert, Aspach, Germany

Varieties used for comparison: 'INCALDRISM' (Superbells Dreamsicle) and 'KLECA20459' (Superbells Double Amber)

Summary: *The petioles of 'KLECA20428' are longer than those of both reference varieties. The flowers of 'KLECA20428' are double whereas the flowers of 'INCALDRISM' are single. When newly opened, the inner side of the corolla lobe of 'KLECA20428' is medium red whereas that of 'INCALDRISM' is orange red and that of 'KLECA20459' is dark yellow with medium yellow orange along the margin. When fully opened, the inner side of the corolla lobe of 'KLECA20428' is orange brown with red pink along the margin whereas that of 'INCALDRISM' is dark orange and that of 'KLECA20459' is light yellow with dark yellow along mid-vein and at base. When aged, the inner side of the corolla lobe of 'KLECA20428' is dark yellow orange and medium orange pink whereas that of 'INCALDRISM' is medium orange to medium yellow orange and that of 'KLECA20459' is white with dark yellow along mid-vein.*

Description:

PLANT: semi-upright growth habit

LEAF BLADE: narrow acute to broad acute apex, no variegation, medium green on upper side

FLOWER: double type, weak degree of lobing

COROLLA LOBE: weak to medium conspicuousness of veins, rounded apex

COROLLA LOBE (INNER SIDE): when newly opened medium red (RHS N34B) with medium red (RHS 34A) near margin, when fully opened orange brown (closest to RHS 169C) with red pink (RHS N34C) along margin, when aged dark yellow orange (RHS N163D) and medium orange pink (RHS 35C)

Origin and Breeding: 'KLECA20428' originated from a controlled cross conducted by the breeder, Dominik Losert, in Stuttgart, Germany, in July 2015. The cross was made between the female parent designated 'CA-2013-0658' and the male parent variety 'KLECA16341'. Seedling were selected in April 2016 in Stuttgart, Germany based on flowering time, flower

colour and flower pattern. The seedlings were evaluated in greenhouse trials from February to May of 2017, 2018 and 2019, and assessed for performance. ‘KLECA20428’ was selected for commercialization in April 2018, in Stuttgart, Germany.

Tests and Trials: The comparative trial for ‘KLECA20428’ was conducted in a polyhouse during the summer of 2021 at BioFlora Inc. in St. Thomas, Ontario. There trial included a total of 20 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 30 cm diameter hanging baskets on April 26, 2021. Each basket contained 4 cuttings with a total of 5 baskets per variety. Observations and measurements were taken from 10 plants, or parts of plants, on June 10, 2021. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart. Mean differences were significant at the 5% probability level based on paired Student’s T-tests.

Comparison table for ‘KLECA20428’

	‘KLECA20428’	‘INCALDRISM’*	‘KLECA20459’*
<i>Petiole length (cm)</i>			
mean	0.54	0.25	0.17
std. deviation	0.12	0.08	0.07
<i>Colour of inner side of corolla lobe (RHS)</i>			
newly opened	N34B with 34A near margins	31A	15A with 16B near margins
fully opened-main colour	closest to 169C with N34C along the margins	N25B	15D with 15A radiating from mid-vein and base
aged	N163D and 35C	N25C-D	N155D with 15A in mid-vein area
*reference varieties			



Calibrachoa: ‘KLECA20428’ (left) with reference variety ‘INCALDRSIM’ (right)



Calibrachoa: 'KLECA20428' (left) with reference variety 'KLECA20459' (right)



Calibrachoa: 'KLECA20428' (left) with reference varieties 'INCALDRSIM' (centre) and 'KLECA20459' (right)

Proposed denomination: 'KLECA20459'
Trade name: Superbells Double Amber
Application number: 19-10039
Application date: 2019/10/31
Applicant: Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Nils Klemm, Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
 Dominik Losert, Aspach, Germany

Variety used for comparison: 'USCAL51505' (Superbells Double Chiffon)

Summary: *The plants of 'KLECA20459' are shorter than those of 'USCAL51505'. The leaf blades of 'KLECA20459' are longer than the leaf blades of 'USCAL51505'. The flowers of 'KLECA20459' have weak to medium degree of lobing whereas*

the flowers of 'USCAL51505' have absent or very weak degree of lobing. The corolla lobes of 'KLECA20459' have weak to medium conspicuousness of veins whereas the corolla lobes of 'USCAL51505' have absent or very weak conspicuousness of veins. When newly opened, the inner side of the corolla lobe 'KLECA20459' is dark yellow with medium yellow orange along margin whereas that of 'USCAL51505' is light yellow orange. When fully opened, the inner side of the corolla lobe of 'KLECA20459' light yellow with dark yellow along the mid-vein and base whereas that of 'USCAL51505' is light yellow orange. When aged, the inner side of the corolla lobe of 'KLECA20459' is white with dark yellow along the mid-vein whereas that of 'USCAL51505' is light yellow orange.

Description:

PLANT: upright growth habit

LEAF BLADE: narrow acute to broad acute apex, no variegation, medium green on upper side

FLOWER: double type, weak to medium degree of lobing

COROLLA LOBE: weak to medium conspicuousness of veins, rounded apex

COROLLA LOBE (INNER SIDE): when newly opened dark yellow (RHS 15A) with medium yellow orange (RHS 16B) along margin, when fully opened light yellow (RHS 15D) with dark yellow (RHS 15A) along mid-vein and base, when aged white (RHS NN155D) with dark yellow (RHS 15A) along mid-vein

Origin and Breeding: 'KLECA20459' originated from a controlled cross conducted by the breeder, Dominik Losert, in Stuttgart, Germany, in July 2015. The cross was made between the female parent designated 'CA-2013-0658' and the male parent variety 'Aloha Kona Hot Orange'. Seedling were selected in April 2016 in Stuttgart, Germany based on flowering time, flower colour and flower pattern. The seedlings were evaluated in greenhouse trials from February to May of 2017, 2018 and 2019, and assessed for performance. 'KLECA20459' was selected for commercialization in April 2018, in Stuttgart, Germany.

Tests and Trials: The comparative trial for 'KLECA20459' was conducted in a polyhouse during the summer of 2021 at BioFlora Inc. in St. Thomas, Ontario. There trial included a total of 20 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 30 cm diameter hanging baskets on April 26, 2021. Each basket contained 4 cuttings with a total of 5 baskets per variety. Observations and measurements were taken from 10 plants, or parts of plants, on June 11, 2021. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart. Mean differences were significant at the 5% probability level based on paired Student's T-tests.

Comparison table for 'KLECA20459'

	'KLECA20459'	'USCAL51505'*
<i>Plant height (cm)</i>		
mean	10.2	14.9
std. deviation	0.75	1.46
<i>Leaf length (cm)</i>		
mean	4.0	3.4
std. deviation	0.22	0.19
<i>Colour of inner side of corolla lobe (RHS)</i>		
newly opened	15A with 16B along margins	11D
fully opened-main colour	15D with 15A radiating from mid-vein and base	11D
aged	N155D with 15A in mid-vein area	11D

*reference variety



Calibrachoa: 'KLECA20459' (left) with reference variety 'USCAL51505' (right)



Calibrachoa: 'KLECA20459' (left) with reference variety 'USCAL51505' (right)



Calibrachoa: 'KLECA20459' (left) with reference variety 'USCAL51505' (right)