



BLUEBERRY
(*Vaccinium corymbosum*)

Proposed denomination:	'DrisBlueTwentyOne'
Trade name:	Kimberley
Application number:	20-10332
Application date:	2019/12/10 (priority claimed)
Applicant:	Driscoll's, Inc., Watsonville, California, United States of America
Agent in Canada:	Lavery, De Billy, S.E.N.C.R.L. - LLP, Montreal, Quebec
Breeder:	Brian K. Caster, Driscoll's, Inc., Watsonville, California, United States of America Jennifer K. Izzo, Driscoll's, Inc., Watsonville, California, United States of America

Note: The applicant has requested an exemption from compulsory licensing to allow time to multiply and distribute propagating material of the variety. If the exemption is granted, it may be allowed for two years from the date rights are granted for the variety.

Varieties used for comparison: 'DrisBlueOne' (Rockinooe) and 'DrisBlueSeventeen' (Carlotta)

Summary: *The plants of 'DrisBlueTwentyOne' have a semi-upright growth habit whereas the plants of the reference varieties have an upright growth habit. The leaf of 'DrisBlueTwentyOne' is lanceolate shaped whereas the leaf of the reference varieties are elliptic shaped. Excluding the peduncle, the inflorescence of 'DrisBlueTwentyOne' is longer than the inflorescence of 'DrisBlueOne'. The fruit of 'DrisBlueTwentyOne' is large whereas the fruit of 'DrisBlueOne' is small to medium sized and the fruit of 'DrisBlueSeventeen' is medium to large.*

Description:

PLANT: strong vigour, semi-upright growth habit, fruiting on one-year-old shoots only, first vegetative bud burst begins mid-season

ONE-YEAR-OLD SHOOT: reddish brown and reddish yellow, medium internode length along upper half

LEAF: medium to high length to width ratio, lanceolate shape, medium green colour on upper side, medium glaucosity on upper side, entire margin

FLOWERING: begins early to mid-season on one-year-old shoots

RECEPTACLE: blue

FLOWER BUD: strong intensity of anthocyanin colouration

COROLLA: ovoid shape

COROLLA TUBE: large, white, absent or weak intensity of anthocyanin colouration on outer side, medium conspicuousness of ridges

INFRUCTESCENCE: medium to dense

UNRIPE FRUIT: light to medium intensity of green colour (with bloom), fruit ripening begins early to mid-season on one-year-old shoots

FRUIT: large, oblate in longitudinal section, medium deep calyx basin, firm, high sweetness, medium acidity

FRUIT SKIN: strong bloom intensity, dark blue skin (after removal of bloom)

SEPALS: incurved

Origin and Breeding: 'DrisBlueTwentyOne' originated from a cross between the proprietary varieties '136D 2', as the female parent, and '181C 1', as the male parent, made in 2004 in Santa Cruz County, California, USA. 'DrisBlueTwentyOne' was selected from the resulting progeny in 2006 based on productivity, fruit characteristics and mid-range chill requirement. Subsequent asexual propagation by softwood cuttings and tissue culture took place in Monterey County, California, USA. Further testing in Santa Cruz County, California was conducted from 2008 to 2019.

Tests and Trials: The comparative trial for ‘DrisBlueTwentyOne’ was conducted by Expert Agriculture Team Ltd., in Chilliwack, British Columbia, Canada during the 2022 growing season. One year old plants were transplanted in October 2020 into raised beds, covered with plastic and irrigated with drip lines. The plots were arranged in an RBC design with 4 replicates. Each replicate consisted of 3 plants for a total of 12 plants of each variety. Plants were spaced approximately 90 centimetres apart within rows with 3 metres between rows. Measurements were taken from 10 plants or parts of 10 plants of each variety. Mean differences were significant at the 5% confidence probability level based on a paired Student’s t-test.

Comparison table for ‘DrisBlueTwentyOne’

	‘DrisBlueTwentyOne’	‘DrisBlueOne’*	‘DrisBlueSeventeen’*
<i>Inflorescence length (excluding peduncle) (cm)</i>			
mean	1.37	0.9	1.15
std. deviation	0.11	0.14	0.13

*reference varieties



**DrisBlueOne
(Rockinoee)**

**DrisBlueTwentyOne
(Kimberley)**

**DrisBlueSeventeen
(Carlotta)**

Blueberry: ‘DrisBlueTwentyOne’ (centre) with reference varieties ‘DrisBlueOne’ (left) and ‘DrisBlueSeventeen’ (right)

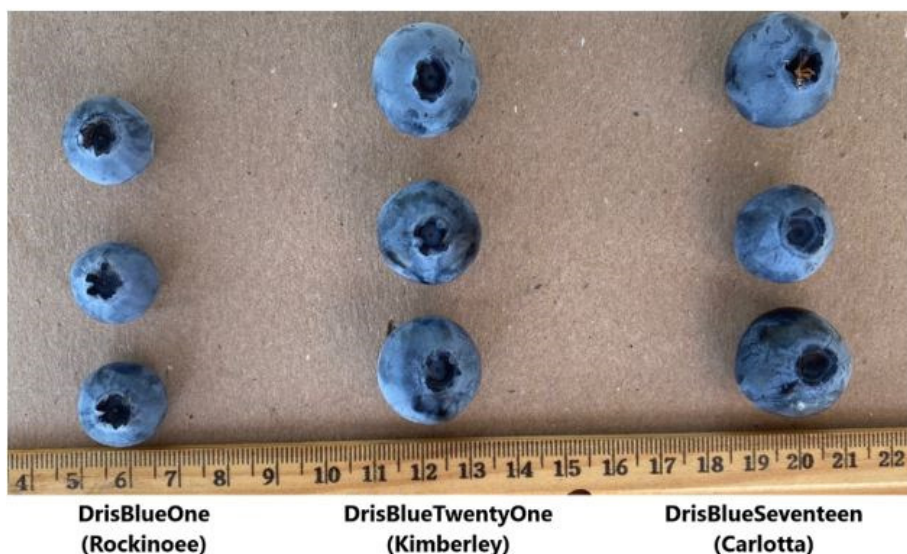


DrisBlueOne (Rockinoee)

DrisBlueTwentyOne (Kimberley)

DrisBlueSeventeen (Carlotta)

Blueberry: ‘DrisBlueTwentyOne’ (centre) with reference varieties ‘DrisBlueOne’ (left) and ‘DrisBlueSeventeen’ (right)



Blueberry: 'DrisBlueTwentyOne' (centre) with reference varieties 'DrisBlueOne' (left) and 'DrisBlueSeventeen' (right)

Proposed denomination: 'FC11-118'
Application number: 20-10263
Application date: 2020/06/15
Applicant: Fall Creek Farm & Nursery, Inc., Lowell, Oregon, United States of America
Agent in Canada: Expert Agriculture Team Ltd., Chilliwack, British Columbia
Breeder: Peter Stefan Boches, Fall Creek Farm and Nursery Inc., Eugene, Oregon, United States of America

Varieties used for comparison: 'Legacy' and 'Draper'

Summary: *The one-year-old shoot of 'FC11-118' is greenish red whereas the one-year-old-shoot of the reference varieties are green. The leaf of 'FC11-118' is larger than those of the reference varieties. The leaf of 'FC11-118' has a low to medium length to width ratio whereas those of the reference varieties have a medium to high length to width ratio. The flower of 'FC11-118' has a green receptacle whereas the flower of 'Legacy' has a blue receptacle. The colour of the unripe fruit with bloom is light to medium green for 'FC11-118' whereas it is dark green for 'Legacy' and medium to dark green for 'Draper'.*

Description:

PLANT: medium vigour, semi-upright growth habit, fruiting on one-year-old shoots only, first vegetative bud burst begins mid-season

ONE-YEAR-OLD SHOOT: greenish red, short internode length along upper half

LEAF: low to medium length to width ratio, ovate shape, dark green colour on upper side, medium glaucosity on upper side, entire margin

FLOWERING: begins mid to late season on one-year-old shoots

RECEPTACLE: green

FLOWER BUD: medium intensity of anthocyanin colouration

COROLLA: ellipsoid shape

COROLLA TUBE: medium to large size, white, absent or very weak intensity of anthocyanin colouration on outer side, absent or weak conspicuousness of ridges

INFRUCTESCENCE: medium to dense

UNRIPE FRUIT: light to medium intensity of green colour (with bloom), fruit ripening begins mid to late season on one-year-old shoots

FRUIT: large, oblate in longitudinal section, deep calyx basin, very firm, medium to high sweetness, medium acidity

FRUIT SKIN: strong bloom intensity, dark blue skin (after removal of bloom)

SEPALs: reflexed

Origin and Breeding: ‘FC11-118’ originated from a controlled cross between the varieties ‘ZF05-086’, as the female parent, and ‘Cargo’, as the male parent, made in 2008 in Lowell, Oregon, USA. ‘FC11-118’ was selected from the resulting progeny based on fruit size, firmness, and harvest date. Propagation was conducted by softwood cuttings and further testing occurred from 2008 to 2014.

Tests and Trials: The comparative trial for ‘FC11-118’ was conducted by Expert Agriculture Team Ltd., in Chilliwack, British Columbia, Canada during the 2022 growing season. One year old plants were transplanted in April 2021 into raised beds, covered with plastic and irrigated with drip lines. The plots were arranged in an RBC design with 4 replicates. Each replicate consisted of 3 plants for a total of 12 plants of each variety. Plants were spaced approximately 90 centimetres apart within rows with 3 metres between rows. Measurements were taken from 10 plants or parts of 10 plants of each variety. Mean differences were significant at the 5% confidence probability level based on a paired Student’s t-test.

Comparison table for ‘FC11-118’

	‘FC11-118’	‘Legacy’*	‘Draper’*
<i>Leaf length (cm)</i>			
mean	7.57	5.77	7.09
std. deviation	0.57	0.40	0.41
<i>Leaf width (cm)</i>			
mean	4.57	2.59	3.83
std. deviation	0.68	0.25	0.41

*reference varieties



Legacy

FC11-118

Draper

Blueberry: ‘FC11-118’ (centre) with reference varieties ‘Legacy’ (left) and ‘Draper’ (right)



Legacy

FC11-118

Draper

Blueberry: 'FC11-118' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)



Legacy

FC11-118

Draper

Blueberry: 'FC11-118' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)

Proposed denomination: 'FC12-205'

Application number: 20-10264

Application date: 2020/06/15

Applicant: Fall Creek Farm & Nursery, Inc., Lowell, Oregon, United States of America

Agent in Canada: Expert Agriculture Team Ltd., Chilliwack, British Columbia

Breeder: Peter Stefan Boches, Fall Creek Farm and Nursery Inc., Eugene, Oregon, United States of America

Varieties used for comparison: 'Legacy' and 'Draper'

Summary: *The plants of 'FC12-205' have very strong vigour whereas the plants of the reference varieties have medium vigour. The one-year-old shoot internode length of 'FC12-205' is of medium length whereas the one-year-old shoot internode length of both reference varieties is short. The leaf of 'FC12-205' is elliptic shaped whereas the leaf of 'Legacy' is lanceolate shaped. The corolla of 'FC12-205' is ovoid shaped whereas the corolla of 'Legacy' is ellipsoid shaped and that of 'Draper' is globose shaped. The flower of 'FC12-205' has a green receptacle whereas the flower of 'Legacy' has a blue receptacle. The fruit of 'FC12-205' is medium sized whereas the fruit of 'Legacy' is medium to large and that of 'Draper' is large.*

Description:

PLANT: very strong vigour, semi-upright growth habit, fruiting on one-year-old shoots only, first vegetative bud burst begins mid-season

ONE-YEAR-OLD SHOOT: green, medium internode length along upper half

LEAF: medium length to width ratio, elliptic shape, light green colour on upper side, medium glaucosity on upper side, entire margin

FLOWERING: begins mid-season on one-year-old shoots

RECEPTACLE: green

FLOWER BUD: weak intensity of anthocyanin colouration

COROLLA: ovoid shape

COROLLA TUBE: large, white, absent or weak intensity of anthocyanin colouration on outer side, absent or weak conspicuousness of ridges

INFRUCTESCENCE: sparse to medium density

UNRIPE FRUIT: medium to dark green (with bloom), fruit ripening begins mid to late season on one-year-old shoots

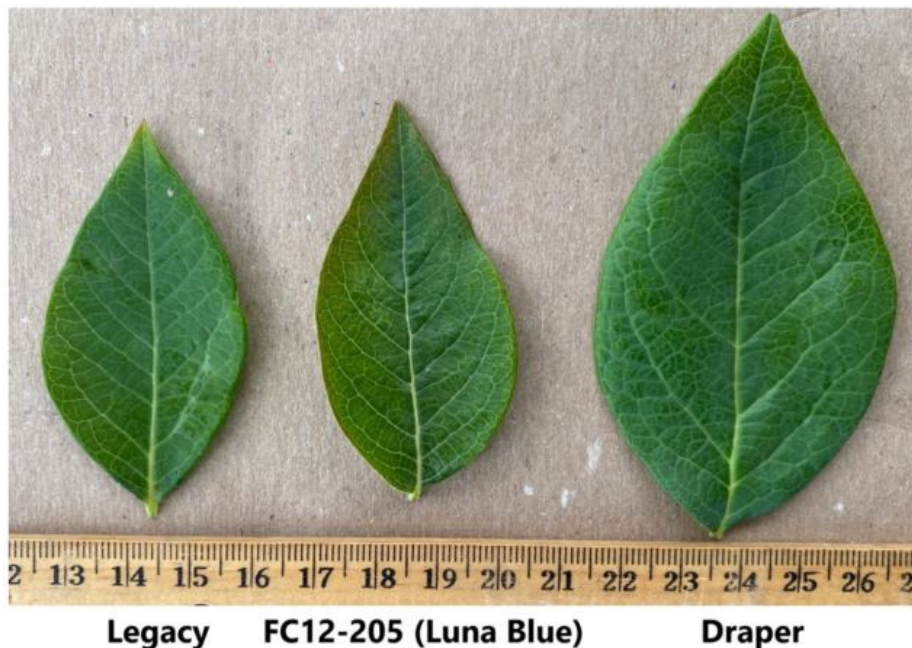
FRUIT: medium sized, oblate in longitudinal section, absent or shallow calyx basin, firm, high sweetness, medium acidity

FRUIT SKIN: medium bloom intensity, dark blue skin (after removal of bloom)

SEPALS: incurved and straight

Origin and Breeding: 'FC12-205' originated from a controlled cross between the varieties 'ZF06-103', as the female parent, and 'ZF06-264', as the male parent, made in 2008 in Lowell, Oregon, USA. 'FC12-205' was selected from the resulting progeny for fruit size, firmness, and harvest date. Propagation was conducted by softwood cuttings and further testing occurred from 2009 to 2015.

Tests and Trials: The comparative trial for 'FC12-205' was conducted by Expert Agriculture Team Ltd., in Chilliwack, British Columbia, Canada during the 2022 growing season. One year old plants were transplanted in April 2021 into raised beds, covered with plastic and irrigated with drip lines. The plots were arranged in an RBC design with 4 replicates. Each replicate consisted of 3 plants for a total of 12 plants of each variety. Plants were spaced approximately 90 centimetres apart within rows with 3 metres between rows. Measurements were taken from 10 plants or parts of 10 plants of each variety. Mean differences were significant at the 5% confidence probability level based on a paired Student's t-test.



Blueberry: 'FC12-205' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)



Legacy

FC12-205 (Luna Blue)

Draper

Blueberry: 'FC12-205' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)



Legacy

FC12-205 (Luna Blue)

Draper

Blueberry: 'FC12-205' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)

Proposed denomination: 'FC13-083'

Application number: 18-9613

Application date: 2018/09/20

Applicant: Fall Creek Farm & Nursery, Inc., Lowell, Oregon, United States of America

Agent in Canada: Expert Agriculture Team Ltd., Chilliwack, British Columbia

Breeder: Peter Stefan Boches, Fall Creek Farm and Nursery Inc., Eugene, Oregon, United States of America

David M. Brazelton, Fall Creek Farm & Nursery, Inc., Lowell, Oregon, United States of America

Wendy Light, Eugene, Oregon, United States of America

Adam L. Wagner, Eugene, Oregon, United States of America

Varieties used for comparison: 'Legacy' and 'Draper'

Summary: *The leaf of 'FC13-083' is ovate shaped whereas the leaf of 'Legacy' is lanceolate shaped and that of 'Draper' is elliptic. The leaf of 'FC13-083' has a serrate margin whereas those of the reference varieties have an entire margin. The corolla tube of 'FC13-083' is urceolate shaped whereas the corolla tube of 'Legacy' is ellipsoid shaped and that of 'Draper' is globose shaped. The colour of the unripe fruit with bloom is light green for 'FC13-083' whereas it is dark green for 'Legacy' and medium to dark green for 'Draper'. The fruit of 'FC13-083' has incurved sepals whereas the fruit of both reference varieties has straight sepals.*

Description:

PLANT: strong vigour, upright growth habit, fruiting on one-year-old shoots only, first vegetative bud burst begins early to mid-season

ONE-YEAR-OLD SHOOT: green, short to medium internode length along upper half

LEAF: medium length to width ratio, ovate shape, light green and medium green colour on upper side, absent or weak glaucosity on upper side, serrate margin

FLOWERING: begins early to mid-season on one-year-old shoots

RECEPTACLE: blue

FLOWER BUD: very strong intensity of anthocyanin colouration

COROLLA: urceolate shape

COROLLA TUBE: medium to large, whitish green, absent or weak intensity of anthocyanin colouration on outer side, medium conspicuousness of ridges

INFRUCTESCENCE: medium density

UNRIPE FRUIT: light green (with bloom), fruit ripening begins early to mid season on one-year-old shoots

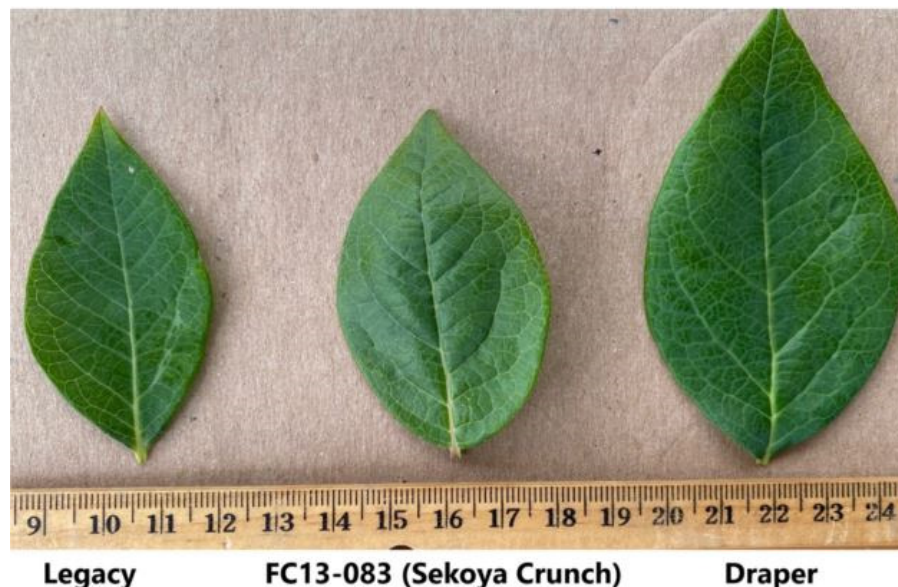
FRUIT: large, oblate in longitudinal section, deep calyx basin, firm, high sweetness, low to medium acidity

FRUIT SKIN: strong bloom intensity, blue red and dark blue skin (after removal of bloom)

SEPALS: incurved

Origin and Breeding: 'FC13-083' originated from a controlled cross between the varieties 'ZF06-050', as the female parent, and 'ZF06-013', as the male parent, made in 2010 in Lowell, Oregon, USA. 'FC13-083' was selected from the resulting progeny in 2013 based on yield, fruit size, firmness, colour, and storage quality. Additional propagation was conducted by softwood cuttings and further testing occurred in 2014.

Tests and Trials: The comparative trial for 'FC13-083' was conducted by Expert Agriculture Team Ltd., in Chilliwack, British Columbia, Canada during the 2022 growing season. One year old plants were transplanted in April 2021 into raised beds, covered with plastic and irrigated with drip lines. The plots were arranged in an RBC design with 4 replicates. Each replicate consisted of 3 plants for a total of 12 plants of each variety. Plants were spaced approximately 90 centimetres apart within rows with 3 metres between rows. Measurements were taken from 10 plants or parts of 10 plants of each variety. Mean differences were significant at the 5% confidence probability level based on a paired Student's t-test.



Blueberry: 'FC13-083' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)



Legacy

FC13-083 (Sekoya Crunch)

Draper

Blueberry: 'FC13-083' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)



Legacy

FC13-083 (Sekoya Crunch)

Draper

Blueberry: 'FC13-083' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)

Proposed denomination: 'FC13-122'
Application number: 18-9614
Application date: 2018/09/20
Applicant: Fall Creek Farm & Nursery, Inc., Lowell, Oregon, United States of America
Agent in Canada: Expert Agriculture Team Ltd., Chilliwack, British Columbia
Breeder: Peter Stefan Boches, Fall Creek Farm and Nursery Inc., Eugene, Oregon, United States of America
 David M. Brazelton, Fall Creek Farm & Nursery, Inc., Lowell, Oregon, United States of America
 Adam L. Wagner, Eugene, Oregon, United States of America

Varieties used for comparison: 'Legacy' and 'Draper'

Summary: *The plants of 'FC13-122' have very strong vigour whereas the plants of the reference varieties have medium vigour. The leaf of 'FC13-122' is larger than the leaf of 'Legacy' and 'Draper'. The leaf of 'FC13-122' has a serrate margin whereas those of the reference varieties have an entire margin. The flower of 'FC13-122' has a green receptacle whereas that of 'Legacy' has a blue receptacle. The fruit of 'FC13-122' has high acidity whereas the fruit of the reference varieties are of medium acidity.*

Description:

PLANT: very strong vigour, upright growth habit, fruiting on one-year-old shoots only, first vegetative bud burst begins early
ONE-YEAR-OLD SHOOT: green, short to medium internode length along upper half

LEAF: medium length to width ratio, lanceolate shape, medium green colour on upper side, absent or weak glaucosity on upper side, serrate margin

FLOWERING: begins early to mid-season on one-year-old shoots

RECEPTACLE: green

FLOWER BUD: weak intensity of anthocyanin colouration

COROLLA: globose shape

COROLLA TUBE: large, white, absent or weak intensity of anthocyanin colouration on outer side, absent or weak conspicuousness of ridges

INFRUCTESCENCE: medium to dense

UNRIPE FRUIT: medium to dark green (with bloom), fruit ripening begins early to mid season on one-year-old shoots

FRUIT: large, oblate in longitudinal section, medium deep calyx basin, very firm, high sweetness, high acidity

FRUIT SKIN: medium to strong bloom intensity, dark blue skin (after removal of bloom)

SEPALS: incurved

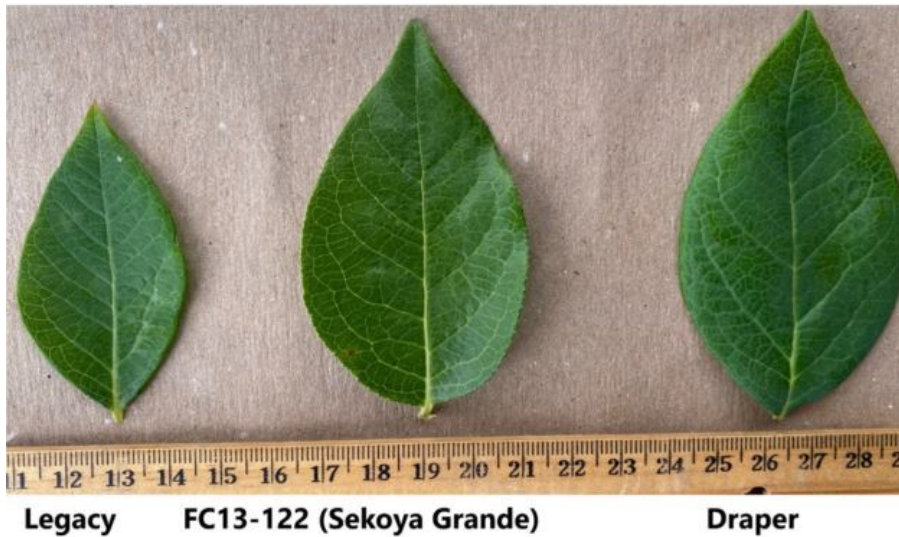
Origin and Breeding: ‘FC13-122’ originated from a controlled cross between the varieties ‘ZF06-050’, as the female parent, and ‘ZF06-013’, as the male parent, made in 2010 in Lowell, Oregon, USA. ‘FC13-122’ was selected from the resulting progeny in 2013 based on yield, fruit size, firmness, colour, and storage quality. Additional propagation was conducted by softwood cuttings and further testing occurred in 2014.

Tests and Trials: The comparative trial for ‘FC13-122’ was conducted by Expert Agriculture Team Ltd., in Chilliwack, British Columbia, Canada during the 2022 growing season. One year old plants were transplanted in April 2021 into raised beds, covered with plastic and irrigated with drip lines. The plots were arranged in an RBC design with 4 replicates. Each replicate consisted of 3 plants for a total of 12 plants of each variety. Plants were spaced approximately 90 centimetres apart within rows with 3 metres between rows. Measurements were taken from 10 plants or parts of 10 plants of each variety. Mean differences were significant at the 5% confidence probability level based on a paired Student’s t-test.

Comparison table for ‘FC13-122’

	‘FC13-122’	‘Legacy’*	‘Draper’*
<i>Leaf length (cm)</i>			
mean	7.38	5.77	7.09
std. deviation	0.75	0.40	0.40
<i>Leaf width (cm)</i>			
mean	4.34	2.59	3.91
std. deviation	0.35	0.25	0.34

*reference varieties



Blueberry: 'FC13-122' (centre) with reference varieties 'Legacy' (left) and 'Draper'(right)



Blueberry: 'FC13-122' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)



Blueberry: 'FC13-122' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)

Proposed denomination: 'FC14-062'
Application number: 20-10265
Application date: 2020/06/15
Applicant: Fall Creek Farm & Nursery, Inc., Lowell, Oregon, United States of America
Agent in Canada: Expert Agriculture Team Ltd., Chilliwack, British Columbia
Breeder: Peter Stefan Boches, Fall Creek Farm and Nursery Inc., Eugene, Oregon, United States of America

Varieties used for comparison: 'Legacy' and 'Draper'

Summary: *The plants of 'FC14-062' have a semi-upright growth habit whereas the plants of the reference varieties have an upright growth habit. The flower bud of 'FC14-062' has a very strong intensity of anthocyanin colouration whereas the flower bud of 'Legacy' has a weak intensity of anthocyanin colouration. The corolla tube of 'FC14-062' is whitish red whereas the corolla tube of the reference varieties are white. The outer side of the corolla tube of 'FC14-062' has a very strong intensity of anthocyanin colouration whereas the outer side of the corolla tube of 'Legacy' has an absent or very weak intensity of anthocyanin colouration and that of 'Draper' has a weak intensity of anthocyanin colouration. The flower of 'FC14-062' has a green receptacle whereas the flower of 'Legacy' has a blue receptacle. The infructescence of 'FC14-062' is medium to dense whereas that of 'Legacy' is of a medium density.*

Description:

PLANT: very strong vigour, semi-upright growth habit, fruiting on one-year-old shoots only, first vegetative bud burst begins early

ONE-YEAR-OLD SHOOT: green, medium to long internode length along upper half

LEAF: medium length to width ratio, elliptic shape, dark green colour on upper side, medium glaucosity on upper side, entire margin

FLOWERING: begins mid-season to late on one-year-old shoots

RECEPTACLE: green

FLOWER BUD: very strong intensity of anthocyanin colouration

COROLLA: globose shape

COROLLA TUBE: large, whitish red, very strong intensity of anthocyanin colouration on outer side, absent or weak conspicuousness of ridges

INFRUCTESCENCE: medium to dense

UNRIPE FRUIT: medium green (with bloom), fruit ripening begins early to mid season on one-year-old shoots

FRUIT: large, oblate in longitudinal section, medium deep calyx basin, firm, high sweetness, medium acidity

FRUIT SKIN: medium to strong bloom intensity, dark blue skin (after removal of bloom)

SEPALS: reflexed

Origin and Breeding: 'FC14-062' originated from a controlled cross between the varieties 'Blue Ribbon', as the female parent, and 'FC10-069', as the male parent, made in 2011 in Lowell, Oregon, USA. 'FC14-062' was selected from the resulting progeny based on fruit size, firmness, and harvest date. Propagation was conducted by softwood cuttings and further testing occurred from 2012 to 2015.

Tests and Trials: The comparative trial for 'FC14-062' was conducted by Expert Agriculture Team Ltd., in Chilliwack, British Columbia, Canada during the 2022 growing season. One year old plants were transplanted in April 2021 into raised beds, covered with plastic and irrigated with drip lines. The plots were arranged in an RBC design with 4 replicates. Each replicate consisted of 3 plants for a total of 12 plants of each variety. Plants were spaced approximately 90 centimetres apart within rows with 3 metres between rows. Measurements were taken from 10 plants or parts of 10 plants of each variety. Mean differences were significant at the 5% confidence probability level based on a paired Student's t-test.



Legacy

FC14-062

Draper

Blueberry: 'FC14-062' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)



Legacy

FC14-062

Blueberry: 'FC14-062' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)



Legacy

FC14-062

Draper

Blueberry: 'FC14-062' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)

Proposed denomination: 'ZF08-029'
Application number: 18-9615
Application date: 2018/09/20
Applicant: Fall Creek Farm & Nursery, Inc., Lowell, Oregon, United States of America
Agent in Canada: Expert Agriculture Team Ltd., Chilliwack, British Columbia
Breeder: Peter Stefan Boches, Fall Creek Farm and Nursery Inc., Eugene, Oregon, United States of America
David M. Brazelton, Fall Creek Farm & Nursery, Inc., Lowell, Oregon, United States of America
Adam L. Wagner, Eugene, Oregon, United States of America

Varieties used for comparison: 'Legacy' and 'Draper'

Summary: *The plants of 'ZF08-029' have very strong vigour whereas the plants of the reference varieties have medium vigour. The one year old shoot of 'ZF08-029' is greenish red whereas the one year old shoot of the reference varieties is green. The flower of 'ZF08-029' has a blue receptacle whereas the flower of 'Draper' has a green receptacle. The flower bud of 'ZF08-029' has a very strong intensity of anthocyanin colouration whereas the flower bud of 'Legacy' has a weak intensity of anthocyanin colouration. The corolla of 'ZF08-029' is ovoid shaped whereas the corolla of 'Legacy' is ellipsoid shaped and that of 'Draper' is globose shaped.*

Description:

PLANT: very strong vigour, semi-upright growth habit, fruiting on one-year-old shoots only, first vegetative bud burst begins early

ONE-YEAR-OLD SHOOT: greenish red, short to medium internode length along upper half

LEAF: medium length to width ratio, elliptic shape, dark green colour on upper side, medium glaucosity on upper side, entire margin

FLOWERING: begins early on one-year-old shoots

RECEPTACLE: blue

FLOWER BUD: very strong intensity of anthocyanin colouration

COROLLA: ovoid shape

COROLLA TUBE: medium to large, white, medium intensity of anthocyanin colouration on outer side, strong conspicuousness of ridges

INFRUCTESCENCE: sparse to medium density

UNRIPE FRUIT: medium green (with bloom), fruit ripening begins early to mid season on one-year-old shoots

FRUIT: medium sized, circular in longitudinal section, deep calyx basin, medium firmness, high sweetness, medium to high acidity

FRUIT SKIN: weak to medium bloom intensity, dark blue skin (after removal of bloom)

SEPALS: straight

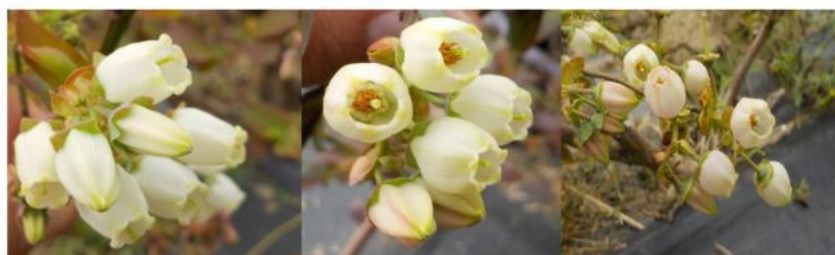
Origin and Breeding: 'ZF08-029' originated from a controlled cross between the varieties 'G-344', as the female parent, and 'Draper', as the male parent, made in 2004 in Lowell, Oregon, USA. 'ZF08-029' was selected in 2008 from the resulting progeny for fruit size, firmness, and flavour. Propagation was conducted by softwood cuttings and further tested in 2009.

Tests and Trials: The comparative trial for 'ZF08-029' was conducted by Expert Agriculture Team Ltd., in Chilliwack, British Columbia, Canada during the 2022 growing season. One year old plants were transplanted in April 2021 into raised beds, covered with plastic and irrigated with drip lines. The plots were arranged in an RBC design with 4 replicates. Each replicate consisted of 3 plants for a total of 12 plants of each variety. Plants were spaced approximately 90 centimetres apart within rows with 3 metres between rows. Measurements were taken from 10 plants or parts of 10 plants of each variety. Mean differences were significant at the 5% confidence probability level based on a paired Student's t-test.



Legacy ZF08-029 Draper

Blueberry: 'ZF08-029' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)



Legacy ZF08-029 Draper

Blueberry: 'ZF08-029' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)



Legacy ZF08-029 Draper

Blueberry: 'ZF08-029' (centre) with reference varieties 'Legacy' (left) and 'Draper' (right)