



APPLICATIONS UNDER EXAMINATION

RASPBERRY

RASPBERRY (*Rubus idaeus*)

Proposed denomination: 'DrisRaspFifteen'
Trade name: Amelia
Application number: 20-10342
Application date: 2020/09/09
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: Matthias D. Vitten, Driscoll's, Inc., Watsonville, California, United States of America
Moises D. Gonzalez, 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: 'DrisRaspSix' (Alicia) and Maravilla

Summary: *The plants of 'DrisRaspFifteen' have a semi upright growth habit whereas both reference varieties have an upright growth habit. 'DrisRaspFifteen' has a medium number of current season's canes whereas both reference varieties have many current season's canes. When fully grown, the current season's cane on 'DrisRaspFifteen' has a very strong bloom whereas 'DrisRaspSix' has a weak to medium degree of bloom and 'Maravilla' has an absent or very weak bloom. The dormant cane on 'DrisRaspFifteen' is shorter than the dormant cane of both reference varieties. The current season cane on 'DrisRaspFifteen' is shorter than the current season's cane of both reference varieties. In autumn, fruit ripening on the current season's cane of 'DrisRaspFifteen' begins mid to late season whereas for 'DrisRaspSix' it begins very late.*

Description:

PLANT: semi upright growth habit, medium number of current season's canes, bears fruit on previous season's cane in summer and on current season's cane in autumn, mid to late season vegetative bud burst

VERY YOUNG SHOOT: weak intensity of anthocyanin colouration of apex during rapid growth, mid to late season emergence

CURRENT SEASON'S CANE: very strong bloom, absent or very weak intensity of anthocyanin colouration, medium internode length, short to medium length vegetative bud, spines present

DORMANT CANE: brownish grey

SPINES ON CURRENT SEASON'S CANE: sparse density, very small to small base, medium length, purplish brown

FRUITING LATERAL ON PREVIOUS SEASON'S CANE: semi erect

PEDICEL: absent or very few spines

LEAF: light to medium green colour on upper side, predominantly five leaflets, medium degree of rugosity, relative position of lateral leaflets is free and touching

LEAFLET: convex in cross-section

FLOWERING: begins mid to late season on previous year's and current year's canes

PEDUNCLE: no anthocyanin colouration

FLOWER: medium sized

FRUIT RIPENING: begins mid to late season on previous year's and current year's canes

FRUIT: medium to long, medium to broad, small to medium length to width ratio, medium conical shape in lateral view, medium red, weak glossiness, medium firmness, weak to medium adherence to plug

DRUPE: medium to large

FRUITING PERIOD: medium long on previous season's cane and medium to long on current year's canes

Origin and Breeding: ‘DrisRaspFifteen’ originated from a controlled cross between proprietary parent ‘RD335.8’ and proprietary parent ‘Z367.1’ conducted at Santa Cruz County, California, USA in April 2011. The new variety ‘DrisRaspFifteen’ was selected in February 2013 in Ventura County, California based on primocane and florican yield, fruit size, fruit flavor and shelf life. Asexual reproduction by root cuttings was initiated in Santa Cruz County, California USA in May 2013.

Tests and Trials: The comparative trial for ‘DrisRaspFifteen’ was conducted in Chilliwack, British Columbia during the 2023 growing season. Plants were transplanted in April 2021 into raised beds, covered with plastic mulch and irrigated with drip lines. The plots were arranged in a RCB design with four 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 and 3 metres between rows. A total of 10 measurements were taken from each variety. Mean differences were significant at the 5% confidence probability level based on a paired Student’s t-test.

Comparison table for ‘DrisRaspFifteen’

	‘DrisRaspFifteen’	‘DrisRaspSix’*	Maravilla*
<i>Dormant cane length (cm)</i>			
mean	164.85	194.56	199.64
std. deviation	15.77	25.91	33.76
<i>Current season’s cane length (cm)</i>			
mean	178.82	202.95	193.80
std. deviation	15.89	17.04	34.58

*reference varieties



DrisRaspSix (Alicia) DrisRaspFifteen (Amelia) Maravilla
Raspberry: ‘DrisRaspFifteen’ (centre) with reference varieties ‘DrisRaspSix’ (left) and ‘Maravilla’ (right)



**DrisRaspSix
(Alicia)**

**DrisRaspFifteen
(Amelia)**

Maravilla

Raspberry: 'DrisRaspFifteen' (centre) with reference varieties 'DrisRaspSix' (left) and 'Maravilla' (right)

Proposed denomination: 'DrisRaspSeventeen'
Trade name: Sofie
Application number: 20-10343
Application date: 2019/11/19 (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: Matthias D. Vitten, Driscoll's, Inc., Watsonville, California, United States of America
 Luis Miguel Rodriguez, Driscoll's, Inc., Watsonville, California, United States of America
 James Heilig, Driscoll's, Inc., Watsonville, California, United States of America
 Kyle Rak, 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: 'Maravilla' and 'DrisRaspSeven' (Esperanza)

Summary: *The plants of 'DrisRaspSeventeen' have a semi upright growth habit whereas both reference varieties have an upright growth habit. The very young shoot, during rapid growth, of 'DrisRaspSeventeen' has no anthocyanin colouration whereas both reference varieties have anthocyanin colouration. The pedicel of 'DrisRaspSeventeen' has a medium amount of spines whereas 'Maravilla' has absent or very few spines. The time of vegetative bud burst on the previous year's cane is mid to late season for 'DrisRaspSeventeen' whereas it is early for 'Maravilla' and early to mid-season for 'DrisRaspSeven'.*

Description:

PLANT: semi upright growth habit, many to very many number of current season's canes, bears fruit on previous season's cane in summer and on current season's cane in autumn, mid to late season vegetative bud burst

VERY YOUNG SHOOT: weak intensity of anthocyanin colouration of apex during rapid growth, mid to late season emergence

CURRENT SEASON'S CANE: absent or very weak to weak bloom, absent or very weak intensity of anthocyanin colouration, medium internode length, medium length vegetative bud, spines present

DORMANT CANE: greyish brown

SPINES ON CURRENT SEASON'S CANE: medium to dense, small base, short to medium length, brownish purple

FRUITING LATERAL ON PREVIOUS SEASON'S CANE: semi erect

PEDICEL: medium number of spines

LEAF: medium to dark green colour on upper side, predominantly five leaflets, medium degree of rugosity, relative position of lateral leaflets is free

LEAFLET: concave in cross-section

FLOWERING: begins late on previous year's cane, begins late to very late on current season's cane

PEDUNCLE: no anthocyanin colouration

FLOWER: medium sized

FRUIT RIPENING: begins very late on previous year's cane, begins mid-season on current season's cane

FRUIT: medium length, narrow to medium width, medium length to width ratio, medium conical shape in lateral view, medium red, weak to medium glossiness, medium to firm, weak adherence to plug

DRUPE: medium sized

FRUITING PERIOD: short to medium long on previous season's cane and medium long on current season's canes

Origin and Breeding: 'DrisRaspSeventeen' originated from a controlled cross between proprietary parent 'RB626.1' and proprietary parent 'RF399.3' conducted in Santa Cruz, California, USA in April 2010. The new variety 'DrisRaspSeventeen' was selected in May 2013 based on primocane and florican yield, fruit flavor and sugar content. Asexual reproduction by root cuttings was initiated in Santa Cruz, County, California USA in July 2013.

Tests and Trials: The comparative trial for 'DrisRaspSeventeen' was conducted in Chilliwack, British Columbia during the 2023 growing season. Plants were transplanted in April 2021 into raised beds, covered with plastic mulch and irrigated with drip lines. The plots were arranged in a RCB design with four 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 and 3 metres between rows. A total of 10 measurements were taken from each variety.



Maravilla

DrisRaspSeventeen (Sofie)

DrisRaspSeven (Esperanza)

Raspberry: 'DrisRaspSeventeen' (centre) with reference varieties 'Maravilla' (left) and 'DrisRaspSeven' (right)



**Maravilla DrisRaspSeventeen (Sofie) DrisRaspSeven
(Esperanza)**

Raspberry: 'DrisRaspFifteen' (centre) with reference varieties 'DrisRaspSix' (left) and 'Maravilla' (right)
