



APPLICATIONS UNDER EXAMINATION

BLACKBERRY

BLACKBERRY (*Rubus*)

Proposed denomination: 'DrisBlackEleven'
Application number: 15-8781
Application date: 2015/12/22
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: Gavin R. Sills, Driscoll's, Inc., Watsonville, California, United States of America
Andrea M. Pabon, Driscoll's, Inc., Watsonville, California, United States of America
Mark Crusha, Driscoll's, Inc., Watsonville, California, United States of America

Varieties used for comparison: 'DrisBlackNine' and 'DrisBlackTen'

Summary: *The plants of 'DrisBlackEleven' have many new canes whereas the plants of both reference varieties have a medium number of new canes. 'DrisBlackEleven' has many branches on the dormant cane whereas 'DrisBlackTen' has a medium number of branches on the dormant cane. The anthocyanin colouration on the young shoot is of medium intensity for 'DrisBlackEleven' whereas it is absent or weak intensity on both reference varieties. The leaf type on 'DrisBlackEleven' is palmate whereas it is intermediate type on 'DrisBlackNine' and odd-pinnate type for 'DrisBlackTen'. The flower diameter on 'DrisBlackEleven' is larger than that for both reference varieties. The length to width ratio of the fruit of 'DrisBlackEleven' is large whereas it is medium for both reference varieties.*

Description:

PLANT: upright to semi-upright growth habit, many new canes, suckering from roots

YOUNG SHOOT (during rapid growth): medium intensity of anthocyanin colouration, medium intensity of green colour, medium number of glandular hairs

DORMANT CANE: strong intensity of anthocyanin colouration, many branches distributed over whole length, rounded to angular in cross-section

PREVIOUS YEAR'S CANE: begins flowering mid-season, begins fruit ripening early to mid-season

CURRENT YEAR'S CANE: begins flowering and fruit ripening mid-season

SPINES: medium number, large, outwards attitude of apex in relation to cane

PETIOLE: small stipules

LEAF: late leaf bud burst, predominantly five leaflets per leaf, palmate type, medium intensity of green on upper side, medium degree of glossiness on upper side

TERMINAL LEAFLET: lobing absent, u-shaped in cross-section, weak undulation of margin, weak blistering between veins, medium to deep bi-serrate incisions of margin

FLOWER: white, sparse glandular hairs on pedicel

FRUITING LATERAL: medium number of prickles

FRUIT: fruiting on current season cane, large length to width ratio, very many medium sized drupelets, long conical shape in longitudinal section, black

Origin and Breeding: 'DrisBlackEleven' is the result of a cross between 'BD467.1' (female parent) and 'XX537.1' (male parent) conducted in April 2006 in Santa Cruz County, California, USA. 'DrisBlackEleven' was selected for its primocane flowering and flavour. 'DrisBlackEleven' was further propagated and underwent additional testing in Santa Cruz, California from 2012 to 2014.

Tests and Trials: The comparative trial for 'DrisBlackEleven' was conducted in Chilliwack, British Columbia during the 2018 growing season. The plots were arranged in a randomized complete block design. Each variety was planted in 3 replicates with 3 plants per replicate for a total of 9 plants of each variety. Plants were spaced approximately 1.07 metres

apart. Measurements were taken from 9 plants or parts of 9 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 'DrisBlackEleven'

	'DrisBlackEleven'	'DrisBlackNine'*	'DrisBlackTen'*
<i>Flower diameter (cm)</i>			
mean	5.1	3.9	4.3
std. deviation	0.58	0.39	0.70

*reference varieties



Blackberry: 'DrisBlackEleven' (left) with reference varieties 'DrisBlackNine' (centre) and 'DrisBlackTen' (right)

BLACKBERRY
(*Rubus allegheniensis*)

Proposed denomination: ‘DrisBlackFive’
Application number: 13-7992
Application date: 2013/04/11
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: Gavin R. Sills, Driscoll’s, Inc., Watsonville, California, United States of America
 Jorge Rodriguez Alcazar, Driscoll’s, Inc., Watsonville, California, United States of America
 José Maurilio Rodriguez Mesa, Los Reyes, Mexico
 Andrea M. Pabon, Driscoll’s, Inc., Watsonville, California, United States of America

Variety used for comparison: ‘Sleeping Beauty’

Summary: *The dormant cane of ‘DrisBlackFive’ is longer than the dormant cane of ‘Sleeping Beauty’. The upper side of the leaf of ‘DrisBlackFive’ has a dark intensity of green whereas the upper side of the leaf of ‘Sleeping Beauty’ has a medium intensity of green. ‘DrisBlackFive’ has a terminal leaflet with very weak blistering whereas ‘Sleeping Beauty’ has a terminal leaflet with weak blistering. The flower of ‘DrisBlackFive’ is smaller in diameter than the flower of ‘Sleeping Beauty’. ‘DrisBlackFive’ has fruit that is medium ovate with large drupelets whereas ‘Sleeping Beauty’ has fruit that is oblong with medium sized drupelets.*

Description:

PLANT: upright to semi-upright growth habit, many new canes, suckering from roots

YOUNG SHOOT (during rapid growth): medium intensity of anthocyanin colouration, medium intensity of green colour, medium number of glandular hairs

DORMANT CANE: medium intensity of anthocyanin colouration, many branches distributed over whole length, rounded to angular in cross-section

PREVIOUS YEAR’S CANE: begins flowering early, begins fruit ripening mid to late season

CURRENT YEAR’S CANE: begins flowering and fruit ripening late season

SPINES: many to very many, large, outwards attitude of apex in relation to cane

PETIOLE: large stipules

LEAF: mid-season leaf bud burst, predominantly five leaflets per leaf, odd pinnate type, dark intensity of green on upper side, medium degree of glossiness on upper side

TERMINAL LEAFLET: lobing present, u-shaped in cross-section, strong undulation of margin, very weak blistering between veins, medium depth of bi-serrate incisions of margin

FLOWER: white, medium density of glandular hairs on pedicel

FRUITING LATERAL: few prickles

FRUIT: fruiting on current season cane, medium length to width ratio, medium number of large sized drupelets, medium ovate shaped in longitudinal section, black

Origin and Breeding: ‘DrisBlackFive’ is the result of a cross between ‘BG837-2’ (female parent) and ‘BH917-6’ (male parent) conducted in April 2003 in Santa Cruz County, California, USA. ‘DrisBlackFive’ was selected for its fruit size and plant vigour. ‘DrisBlackFive’ was further propagated and underwent additional testing in Los Reyes, Mexico from 2007 to 2010.

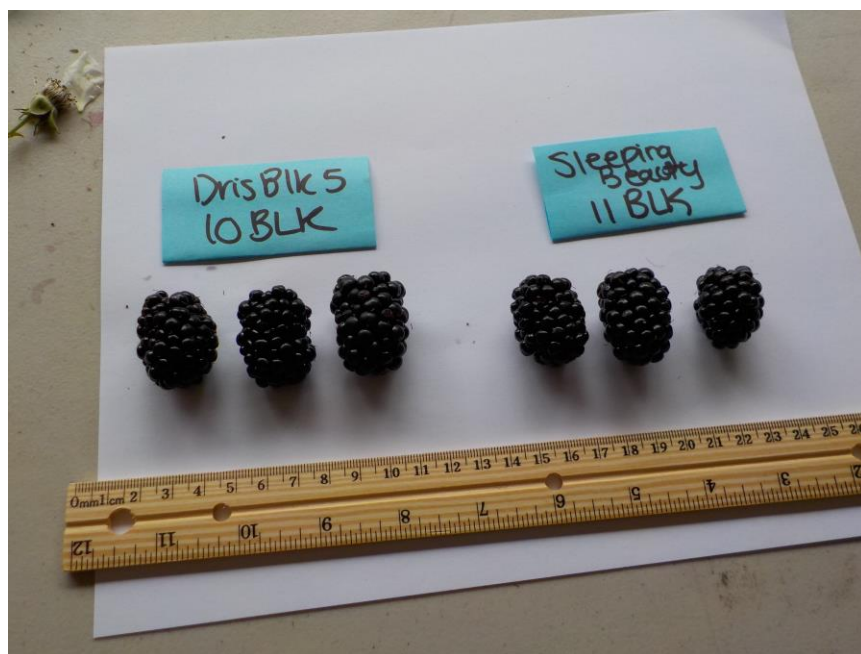
Tests and Trials: The comparative trial for ‘DrisBlackFive’ was conducted in Chilliwack, British Columbia during the 2018 growing season. The plots were arranged in a randomized complete block design. Each variety was planted in 3 replicates with 3 plants per replicate for a total of 9 plants of each variety. Plants were spaced approximately 1.07 metres apart. Measurements were taken from 9 plants or parts of 9 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 'DrisBlackFive'

	'DrisBlackFive'	'Sleeping Beauty'*
<i>Dormant cane length (cm)</i>		
mean	317	180
std. deviation	113	33
*reference variety		



Blackberry: 'DrisBlackFive' (left) with reference variety 'Sleeping Beauty' (right)



Blackberry: 'DrisBlackFive' (left) with reference variety 'Sleeping Beauty' (right)