



## APPLICATIONS UNDER EXAMINATION

## RASPBERRY

### RASPBERRY (*Rubus idaeus*)

**Proposed denomination:** 'DrisRaspEight'  
**Application number:** 15-8774  
**Application date:** 2015/12/14  
**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. Hamilton, Richmond, Texas, United States of America  
Marta C. Baptista, Driscoll's, Inc., Watsonville, California, United States of America  
Matthias D. Vitten, Driscoll's, Inc., Watsonville, California, United States of America

**Variety used for comparison:** 'Maravilla'

**Summary:** *The plants 'DrisRaspEight' have a semi-upright growth habit whereas the plants of 'Maravilla' have an upright growth habit. The plants of 'DrisRaspEight' have a medium number of current season's canes whereas 'Maravilla' has many current season's canes. The vegetative bud on the current season's cane on 'DrisRaspEight' is short whereas it is medium in length for 'Maravilla'. The dormant cane which had fruit the previous season for 'DrisRaspEight' is shorter than that of 'Maravilla'. The density of spines on 'DrisRaspEight' are medium whereas those on 'Maravilla' are sparse. The leaf of 'DrisRaspEight' has predominantly three leaflets whereas the leaf of 'Maravilla' has predominately five leaflets. The flower for 'DrisRaspEight' is large whereas the flower of 'Maravilla' is small. The fruit of 'DrisRaspEight' has strong glossiness whereas the fruit of 'Maravilla' has medium degree of glossiness. The fruit of 'DrisRaspEight' has weak adherence to plug whereas the fruit of 'Maravilla' has strong adherence to plug.*

#### **Description:**

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

**VERY YOUNG SHOOT:** strong intensity of anthocyanin colouration of apex during rapid growth, mid-season emergence

**FRUITING LATERAL:** semi-erect attitude

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

**DORMANT CANE:** purplish brown

**SPINES:** medium density, small base, short, greenish brown

**LEAF:** dark green upper side, predominantly three leaflets, strong rugosity, relative position of lateral leaflets is free

**LEAFLET:** concave in cross-section

**FLOWERING:** begins mid-season on previous season's cane and current season's cane

**PEDUNCLE:** no anthocyanin colouration

**PEDICEL:** few spines

**FLOWER:** large

**FRUIT:** begins ripening mid-season on previous season's cane and early on current season's cane, short to medium length, narrow to medium width, small length to width ratio, medium conical shape in lateral view, medium red, strong glossiness, medium firmness, weak adherence to plug, medium length of fruiting period on previous season's cane, medium to long fruiting period on current season's cane

**DRUPE:** medium size

**Origin and Breeding:** 'DrisRaspEight' originated from a controlled cross between the proprietary varieties 'Driscoll Estrella' (female parent) and 'DrisRaspFour' (male parent). The cross was conducted in Santa Cruz, California in March 2016. 'DrisRaspEight' was selected from the seedling population in October 2008 based on self-fruitful plants, plant size, and

glossiness of fruit. 'DrisRaspEight' was asexually propagated in Santa Cruz, California and underwent propagation and continued testing from 2008 and 2014.

**Tests and Trials:** The comparative trial for 'DrisRaspEight' was conducted in Chilliwack, British Columbia during the 2019 growing season. The plots were planted in the spring of 2017 in a randomized complete block design. Each variety was planted in 4 replicates with 3 plants per replicate for a total of 12 plants of each variety. Plants were spaced approximately 76 centimetres apart within rows and 2.1 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 'DrisRaspEight'**

	'DrisRaspEight'	'Maravilla'*
<i>Dormant cane length (cm)</i>		
mean	169	214
std. deviation	22	17

\*reference variety



Raspberry: 'DrisRaspEight' (left) with reference variety 'Maravilla' (right)



Raspberry: 'DrisRaspEight' (left) with reference variety 'Maravilla' (right)