

WSU PUYALLUP HIGHLIGHT

January 4, 2005

Horticulture Cultivar Release Committee recommends release of two of Pat Moore's WSU raspberry selections as cultivars to be patented

Cascade Dawn (WSU 1068) and Cascade Bounty (WSU 1162) are the tenth and eleventh raspberry cultivars that have been released by WSU since the small fruit breeding program began in 1928.



The cross that produced Cascade Dawn was made in 1988 under Pat Moore's research program at WSU Puyallup. Its parents were two WSU selections, WSU 608 and WSU 991. The seedlings from this cross were planted at Farm 5 in 1989 and WSU 1068 was selected in 1991. Since then Cascade Dawn has been in several plantings at Farm 5, WSU Vancouver and WSU NWREC-Mount Vernon and has performed well. It is early fruited, ripening about 3 days before Willamette, which is the earliest fruiting PNW raspberry. It has some level of tolerance to root rot. The fruit is large, low in acid and also somewhat low in sugar, giving Cascade Dawn a mild, well balanced raspberry flavor. The fruit only releases from the plant when the fruit is almost fully ripe. As a result Cascade Dawn is recommended for local fresh market and homeowner use.

The cross that produced Cascade Bounty, also created in Pat Moore's research program at WSU Puyallup, was made in 1992. Its parents were Chief, a cultivar released by the University of Minnesota in 1930, and WSU 984. The seedlings from this cross were planted at Farm 5 in 1993, and WSU 1162 was selected in 1995. Since then Cascade Bounty has been in two plantings at Farm 5 and in a machine harvesting trial with a commercial raspberry grower. Both of the plantings at Farm 5 were in areas with severe root rot. Cascade Bounty had very high yields, despite the high root rot pressure. The fruit is medium size and tart. In a test of machine harvesting, Cascade Bounty machine harvested well, although it may be too soft for some uses. Cascade Bounty represents a significant breakthrough in productivity and root rot tolerance for the Pacific Northwest.



Both Cascade Dawn and Cascade Bounty will be patented.

Weekly Highlights provided by the people and programs of WSU Puyallup. To include a highlight in an upcoming announcement, please contact either Heather Schriver, hschriv@wsu.edu, 253-445-4504, or Jon Newkirk, jnewkirk@wsu.edu, 253-445-4568

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