

WILLAPA RED: A “NEW” CRANBERRY VARIETY FOR FRESH FRUIT PRODUCTION IN THE PACIFIC NORTHWEST

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Willapa Red is a renamed cultivar from an old USDA selection called BE4. BE4 was a McFarlin by Aviator cross. BE4 was included in the 69 selected cultivars tested between 1983-1992 on the DuBay Marsh in WI, by Dr. Boone. Data from those trials indicated it had good yield and keeping quality, along with excellent field rot resistance. It was included as part of our comparative advanced selection trials established in 2003. Comparisons to Stevens, Pilgrim, Crimson Queen and Mullica Queen on yield, fruit size, color, rot and keeping quality, disease resistance and suitability for dry harvesting have been collected. Yield, fruit size, fruit rot at harvest and rose bloom data are presented in the following table. Willapa Red distinguished itself in these trials and those in WI based on its potential for the fresh fruit market. It had consistent high yield, low field and storage rot and good color. It appears to have good suitability for Furford harvesting, based on how the fruits sit on the upright, its smaller fruit size and rigid uprights. Willapa Red appears to exhibit some level of self-pollination (33% set under bee-exclusion cages vs. 57% open pollinated). Willapa Red is not a patent-protected cultivar. Small amounts of germplasm are available.

Cultivar/selection	bbl/ac 9/27/05	bbl/ac 9/26/06	bbl/ac 10/1/07	bbl/ac 10/2/08	bbl/ac 2005 to 2008	Fruit size g/fruit mean 06+07	Fruit rot % rot at harvest mean 2007 & 2008	Rose bloom infested upright/ft ² 1=0, 5>20 June 2008
Crimson Queen	77	179	347	242	846	1.72	19.4	4.7
Mullica Queen	23	20	252	178	473	1.80	18.0	4.0
“Willapa Red” BE4	150	217	383	229	980	1.17	6.5	5.0
Pilgrim	257	202	327	345	1132	1.68	13.4	2.7
Stevens	3	48	209	138	398	1.35	7.9	2.3
LSD (P=.05)	61	46	112	104	161	0.093	9.9	1.29
Treatment Prob(F)	0.0001	0.0001	0.0088	0.0371	0.0001	0.0001	0.04	0.0020