

early to mid; tree has burrs.

The following were developed by C.S. Crandall. Donated by Irrigated Agric. Research Ext. Center, P.O. Box 30, Washington State University, Prosser, Washington 99350, United States. Received 02/13/1990.

**PI 590146. *Malus domestica* Borkh.**

Crandall. Pedigree - Rome Beauty x Jonathan. Cross made 1914. Selected in 1925; tested as Ill. 1 Intro: 1952. Comments:: Medium red fruit; crisp, juicy flesh. Good for dessert and culinary uses. Ripens before Winesap; keeps well in storage through April. Tree: productive; comes into bearing early, blooms mid-season; relatively disease resistant.

The following were developed by W.F. Hines, Port Washington, Ohio 43837, United States. Donated by Irrigated Agric. Research Ext. Center, P.O. Box 30, Washington State University, Prosser, Washington 99350, United States. Received 02/13/1990.

**PI 590147. *Malus domestica* Borkh.**

Delawine. Pedigree - Delicious x Stayman Winesap Intro: 1948. Comments:: Fruit: shape, size and color of Delicious; flesh juicy, flavor of Stayman Winesap. Tree: strong grower, spreading, foliage heavy, tendency toward annual bearing.

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**PI 590148. *Malus domestica* Borkh.**

Erickson. Pedigree - Parentage unknown. Seed planted 1905; selected 1910; intro. 1923. Comments:: Fruit: large; skin green; ripens early; resembles Hibernial; tree very hardy, annual bearer.

**PI 590149. *Malus domestica* Borkh.**

Antonovka Ottawa.

The following were developed by A.W. King. Donated by Irrigated Agric. Research Ext. Center, P.O. Box 30, Washington State University, Prosser, Washington 99350, United States. Received 02/13/1990.

**PI 590150. *Malus domestica* Borkh.**

Kingjon. Pedigree - Introduced by various commercial firms since its discovery in 1933 as a limb sport on a 50 year old tree of Jonathan. Comments:: Resembles parent, but skin colors are earlier and darker, at first red striped, then becoming solid red. Tree: standard type. A widely distributed and excellent color variant of Jonathan.

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**PI 590151. *Malus domestica* Borkh.**

Ottawa #1.

**PI 590152. *Malus domestica* Borkh.**

Ottawa #524.

The following were developed by S. Taniuchi. Donated by Bruce J. Parliman,