

06/24/1985.

**PI 589179. Malus domestica Borkh.**

Greendale. Pedigree - McIntosh x Lodi; crossed 1924; selected 1936; introduced 1938. Comments:: Fruit: large, 80-85 mm; skin pale green; shape round-oblate flesh semifirm, white; flavor subacid; eating quality fair to good; harvest season early, late August, 6 wks before Delicious. Tree: large, medium productive. Early, pale, green, large.

The following were developed by R.L. Wodarz, Wyndmere, North Dakota, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

**PI 589180. Malus domestica Borkh.**

Cranberry. Pedigree - Redflesh x Dolgo; introduced 1953. Comments:: Fruit: crab; small; long, conic pointed; skin dark red; flesh red, crisp, acid, quality excellent for jelly; matures early Sept. Tree: vigorous; upright when young; productive; hardy; flowers red; useful as an ornamental. Ornamental flowering crab.

The following were developed by Dept. Horticulture, Univ. Illinois, Urbana, Illinois, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

**PI 589181. Malus floribunda Siebold ex Van Houtte**

Prima. Pedigree - PRI 14-510 x NJ 123249; Vf gene inherited from malus flori- bunda 821. Comments:: Fruit: size medium, 70-75 mm; skin 60-95% red, striped; shape round-conic; flesh semifirm, light yellow; flavor sub- acid; eating quality fair to good; harvest season late September, 2 wks before Delicious; fruits do not store well. Tree: spreading; vigorous; diploid (JASHS 103:690.1978); productive; biennial cropping; immune to apple scab; resistant to fire blight; susceptible to cedar-apple rust; only slightly susceptible to mildew. First scab-resistant introduction. --R.D. Way, 1992.

The following were developed by Max Bazzanella Nursery, Mineral, Virginia, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

**PI 589182. Malus domestica Borkh.**

Frostproof. Pedigree - Unknown; discovered 1930; introduced 1947. Comments:: Bloom: very late, 2 wks after Delicious, escapes late spring frost. Fruit: very small, 40-60 mm; skin green, russet, bronze, tough, unattractive; shape round-conic; flesh firm, cream-colored; flavor very astringent; eating quality very poor, inedible; harvest season very late, early November 4 wks after Delicious. Tree: very unproductive; very biennial. Very late bloom.

The following were developed by F.W. Cornwall, Pulteneyville, New York, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

**PI 589183. Malus domestica Borkh.**

Cornwall McIntosh 2-2-2-4. Pedigree - McIntosh bud mutation; diploid-tetraploid chimera type 3 (2-2-2-4). Comments:: Fruit: indistinguishable from McIntosh, except 30% of fruits are about twice