

The following were 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 589227. *Malus coronaria* (L.) Miller**

Glancescens. Collected in United States. New York to North Carolina and Alabama. Comments:: Flower: single; off white; 35 mm. Fruit: 25 mm; yellow-green. Tree: small; roundheaded; branches spiny; leaves bluish tint on underside; very alternate bearing habit; susceptible to fire blight. Ornamental flowering crab.

**PI 589228. *Malus fusca* (Raf.) C. Schneider**

F-50. Comments:: Flower: single; small; white. Leaves: lobed; larger than *Malus fusca* F-2. See *Malus fusca*.

The following were developed by Calvin D. Bingham. 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 589229. *Malus domestica* Borkh.**

Primate. Pedigree - Originated about 1840. Comments:: Fruit: size medium to large, 65-75 mm; skin yellow-green, sometimes 10% pink blush; shape round-conic; flesh whitish; flavor subacid; eating quality fair to good; harvest season late August to early September, 5 wks before Delicious, ripens unevenly. Tree: productive; biennial cropping. Early midseason, yellow-green large. --R.D. Way, 1992.

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**PI 589230. *Malus hybrid***

M. x *pumila paradisiaca* NA 3608. Comments:: Flowers: single; large 35 mm; diam; pink buds followed by white flowers. Fruit: too large to be classified as a crab apple, 60-70 mm; skin yellow; shape oblate, moderately attractive; ripening season, beginning October, 1 wk before Delicious. Tree: Dwarf growth habit; strongly biennial cropping. Dwarf rootstock. R.D. Way, 1992.

The following were developed by Canada Department of Agriculture, Central Experiment Farm, Ottawa, Ontario, Canada. 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 589231. *Malus domestica* Borkh.**

Hunter Spartan 2-4-4. Pedigree - Colchine-induced tetraploid form of Spartan; about 1956. Comments:: Fruit: similar to Spartan, except larger, size 65-85 mm, sizes variable; skin 90-100% dull dark red, striped and blushed; shape oblate, ribbed, irregular, unsymmetrical; flesh semifirm, white, water core; eating quality good; harvest season early October, with Delicious. Tree: moderately productive; biennial cropping; fruits drop before they ripen. Tetraploid Spartan.

The following were developed by Tadanosuke Otuski, Kuwaori, Fukushima, Japan. 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.