

The following were developed by Cornell University, New York Agr. Exp. Station, Geneva, New York 14456, 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 589113. *Malus domestica* Borkh.**

Spijon. Pedigree - Red Spy x Monroe: crossed 1944; introduced 1968. Comments:: Fruit: size large, 80 mm; skin 90% attractive crimson, blushed; shape oblate; flesh firm, light yellow; flavor subacid; eating quality fair to good; excellent for processing; harvest season mid-October, 1 wk after Delicious; long storage life. Tree: medium vigor; medium productive; annual cropping. diploid. Large; attractive crimson; processing type. R.D. Way, 1993.

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**PI 589114. *Malus domestica* Borkh.**

Steady. Collected in Unknown. Cobleskill, New York, United States. Pedigree - Unknown; discovered about 1915; never introduced. Comments:: Fruit: size large for a crab, 50-65 mm; skin 100% red, striped; shape round-conic; flesh firm, light yellow; flavor slightly astringent; eating quality poor; harvest season mid-September, 3 wks before Delicious. Tree: productive; strongly biennial cropping. Large crab, no value. R.D. Way, 1993.

The following were developed by Arnold Arboretum, The Arborway, Jamaica Plain, Massachusetts 02130, 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 589115. *Malus domestica* Borkh.**

Donald Wyman. Pedigree - Spontaneous seedling on the grounds of the Arnold Arboretum found before 1950; introd. 1970. Comments:: Flowers; single; 45 mm; pink buds changing to white flowers. Fruit: 10 mm; bright red, glossy, attractive; lone stem; deciduous calyx. Special attribute; retains colorful fruit well into the winter. Tree: leaves broad, glossy, no leaf hopper. One of best flowering crab apples. Ornamental crab.

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**PI 589116. *Malus domestica* Borkh.**

Pepinka Litowska. Collected in Unknown. Lithuania or Russia. Pedigree - Described as Pepinka Litovskaya in 1903. Imported by USDA from Russia in 1870. Comments:: Fruit: size medium, 65-70 mm; skin yellow, 5-50% pink blush; shape round; flesh soft, white; flavor slightly acid, slightly astringent; eating quality poor to fair; harvest season late September, 2 wks before Delicious. Tree: winter hardy; small, weak growing; medium productive; Diploid (Proc. Amer. Soc. Hort. Sci. 58:103. 1951). Mid-season, yellow, soft.

**PI 589117. *Malus domestica* Borkh.**

Arkansas Black. Pedigree - Said to be spur growth habit mutation of Arkansas Black. 1870, Benton County, Arkansas. Comments:: Indistinguishable from Arkansas Black; no visible spur growth habit. Medium, round, smooth, yellow covered with lively red deepening to