

Geneva, New York 14456-0462, United States. Received 12/22/1987.

PI 589841. *Malus domestica* Borkh.

Delicious. Pedigree - Thought to be a seedling of Yellow Bellflower; first fruited in 1879. Comments:: Scions cut from suckers of the original Delicious tree. More than 150 red-fruited and spur-growth mutations. Most important apple variety in U.S. Fruit: size large, 65-90 mm; skin 50-100% red, striped or blushed; shape conic; flesh firm, creamy white; flavor sweet aromatic; eating quality good; harvest season early October; storage life at -0.5C long, 6 months. Tree: medium yields, annual cropping.

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 12/22/1987.

PI 589842. *Malus domestica* Borkh.

Red Spy. Pedigree - Red-fruited mutation of Northern Spy. Received about 1975 from USDA Irrigated ARS Center, Prosser, WA. Comments:: A red-fruited mutation of Northern Spy received by the Prosser Repository from Oregon and tested negative for viruses on Virginia Crab, Spy 227 and Russian Seedling R 12740-7A. At Geneva, NY, fruits not as red as Field Spy. Red-fruited mutation of Northern Spy, virus tested. --R.D. Way, 1992.

The following were donated by Andersen, 3 Valley View Knoll, RR #6, Iowa City, Iowa 52240, United States. Received 12/22/1987.

PI 589843. *Malus ioensis* (Alph. Wood) Britton

The following were developed by C.E. Bennett, Ogden, Utah, 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 01/14/1988.

PI 589844. *Malus domestica* Borkh.

Golden Winesap. Pedigree - Winesap x open-pollinated; introduced 1916. Comments:: Fruit: large, 75-85 mm; skin yellow-green ground, 40-60% pink blush, appearance similar to Winter Banana, except no suture line; shape round-conic; flesh firm, cream-colored, bitter pit; flavor slightly acid; eating quality fair; harvest season very late, first of November, 3 wks after Delicious; storage life at -0.5C 150 days. Tree: medium productive; alternate cropping. late, yellow with blush, resembles Winter Banana.

The following were developed by W.W. Smith, Royal Botanic Garden, (Regius Keeper), Edinburgh, Scotland, United Kingdom. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 01/14/1988.

PI 589845. *Malus domestica* Borkh.

Smith Jonathan. Pedigree - Large-fruited bud mutation of Jonathan; discovered about 1950; never introduced. Comments:: Fruit: larger than Jonathan, 75-90 mm; skin 100% dark red, blushed, Jonathan Spot; shape round-oblate, lobed; flesh firm, light yellow, sometimes severe water core and bitter pit; flavor like Jonathan; eating quality fair to good; harvest season few days earlier than Jonathan. Tree: more spreading than Jonathan; productive; annual cropping; fruit drops more than