

The following were developed by Purdue University, Indiana Agr. Exp. Station, West Lafayette, Indiana 47907, United States. Donated by Jules Janick, Purdue University, Department of Horticulture, West Lafayette, Indiana 47907-1165, United States. Received 04/19/1993.

**PI 590200. Malus hybrid**

Co-op 16. Pedigree - PRI 764 x PRI 672 (Williams et al. 1975) Field immune to apple scab; SUSCEPTIBILITY: High to powdery mildew; cedar-apple rust; moderately to fire blight. Comments:: Fruit: 70-76 mm or more; conic, classic 'Golden Delicious' shape; mod. bright finish; occasionally red blushed 100% self yellow w/ small russeted lenticels, very attractive; Flesh: fine grained, pale yellow, firm very crisp & breaking texture maintained 5 mos plus in storage. Flavor: mildly sub acid, slightly spicy, full, rich. Hangs on tree well. Matures w/Delicious. Tree: mod. vigorous, thin branched & somewhat bushy. Sugar & flavor become starchy, "potato-like" flavor after storage, developing extremely greasy cuticle. Poor growth habit and susceptibility to secondary diseases.

The following were developed by U. of Illinois, Urbana, Illinois, United States. Donated by Jules Janick, Purdue University, Department of Horticulture, West Lafayette, Indiana 47907-1165, United States. Received 04/19/1993.

**PI 590201. Malus hybrid**

Co-op 18. Pedigree - N.J. 60837 x PRI 669-205 (Williams et al. 1975). Comments:: Fruit: 64-70 mm; short conic to round; cream to pale yellow ground, bright finish, washed, 50-80% light to med. red; mod. grained, cream to pale yellow, firm, crisp flesh, fair to good quality, very juicy (retained in storage). Hangs well on tree, heavy annual cropping. Matures 1 wk after Delicious; storage believed 3 mo., conclusive data unavailable. Tree: Mod. vigorous, spreading, wide crotch angles; thick, semi-spur branches. Field immune to apple scab; mod. resistant to powdery mildew; mod. resistant to cedar-apple rust. Susceptible to fire blight. Moderate to small fruit.

**PI 590202. Malus hybrid**

Co-op 19. Pedigree - N.J. 57249 x PRI 854-100 (Dayton et al. 1977) Field immune to apple scab; RESISTANCE: high to powdery mildew, cedar-apple rust; moderately to fire blight. Comments:: Fruit: 70-76 mm; oblate-round; cream to pale yellow ground; very smooth, glossy finish, slightly striped, washed, 50-95% light red to pink, attractive; fine grained, pale yellow, somewhat crisp/tender flesh/harvest, softening after storage mildly sub-acid, spicy, full, rich flavor; very juicy. Light cropping. Retains quality 3-4 wks storage. Matures 8 wks before Delicious. Tree: vigorous, slightly upright, weeping tendency to bear clustered fruit tips of branches; fruit drops when ripe. Limited storage; poor color; uneven ripening; poor growth habit.

**PI 590203. Malus hybrid**

Co-op 20. Pedigree - 'Crandall' x PRI 688-100 (Dayton et al. 1977) Field immune to apple scab; moderately resistant to fire blight. Comments:: Fruit: 64-70 mm; oblate-round; pale yellow to deep canary yellow ground; smooth, glossy finish; striped, washed, 50-80% med. to light red or orange, unique; fine grained, deep yellow, firm, very crisp & breaking flesh/harvest, retaining texture up to 1 1/2 mo. in storage; mild to mod. sub-acid, spicy, full rich flavor, juicy. Very sparse cropping w/biennial tendency. Matures 6-7 wks before Delicious. Tree: mod. vigorous slightly upright, very thin branching producing brushy undesirable tree; drop when ripe. SUSCEPTIBLE: to powdery mildew; very to cedar-apple rust.