

Tree: moderate vigor, spreading branches w/90D crotch angles, uniformly distributed, large fruit; annual light to mod. cropping. Field immune to apple scab; highly resistant to powdery mil- dew & cedar-apple rust; mod. resistant to fire blight.

PI 590196. Malus hybrid

Co-op 9. Pedigree - 'Starking Delicious' x PRI 877-2 (Williams et al. 1972). Comments:: Fruit: 76 mm or more (3+"); variable, short conic to round or slightly oblate; green-yellow to yellow ground, bright finish; striped 90-1--% med. to dark, red to purple-red, attractive; coarse grained, cream colored, firm-crisp, mod. tough flesh; sweet to mildly sub-acid, bland, slightly arom- atic flavor; juicy. Flavor & quality similar to, but less than Delicious. Fruit hangs until over-ripe. Matures 1 1/2 wk before Delicious. Tree: mod. vigor, spreading branches w/90D crotch angles, biennial. Field immune to apple scab, high resistance-powdery mildew, fire blight; susc. c-ap-rst.

PI 590197. Malus hybrid

Co-op 10. Pedigree - 'Starking Delicious' x PRI 610-2 (Williams et al. 1972) (Field immune to apple scab; RESISTANCE: high to cedar-apple rust; moderate to powdery mildew and fire blight.) Highly susceptible to leaf bronzing-Eur red mite[Panonychus ulmi]. Comments:: Fruit: 70-76 mm or more; conic w/pronounced calyx end points bright finish; bright red blushed 100% self yellow to pale- yellow, very attractive; very smooth, non-russeted skin; totally inconspicuous lenticels; med. grained, cream to pale yellow colored, firm-crisp, slightly tender flesh; sweet to mildly sub-acid, bland, slightly spicy flavor; juicy. Flavor & quality similar to, but less than Delicious. Mealy in storage. Matures with Delicious. Tree: mod. vigorous, strong, thick, heavily spurred branches w/90D crotch angles. Excellent growth habit.

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 590198. Malus hybrid

Co-op 11. Pedigree - Ill. #2('Winesap' o.p.) x PRI 1042-100) [Williams et al. 1972] Field immune to apple scab. RESISTANCE: High to cedar-apple rust; fire blight. Mod. susceptible to powdery mildew. Comments:: Fruit: 70-76 mm; conic to long conic w/pronounced calyx and points; yellow ground color; bright finish; slightly striped slightly splashed, 75-95% med. red, attractive; med. grained pale yellow, crisp & breaking tough flesh, mildly sub-acid. Flavor: slightly spicy, full, rich, juicy; fair at harvest- good after a month storage. Hangs on tree well. Matures 2 wks after Delicious. Tree: mod. vigorous, slightly upright, thin branched, very sparse cropping. Tough flesh texture; thin but tough skin; astringence & slight bitterness at harvest; susceptible to fruit storage scald.

PI 590199. Malus hybrid

Co-op 14. Pedigree - PRI 10-147 x 'Mollie's Delicious' (Williams et al. 1975) Field immune to apple scab, cedar-apple rust. RESISTANCE: High to powdery mildew; moderate to fire blight. Comments:: Fruit: 64-76 mm; long conic; yellow ground color; bright finish; slightly striped, splashed, 75% med. red to slightly orange, attractive; fine grained, pale yellow, very firm, crisp & breaking flesh at harvest, becoming mealy after sto- rage; sweet to mildly sub-acid, bland flavor; mod. juicy. Heavy cropping w/ slight biennial bearing. Hangs on tree unt- il over-ripe; tends to soften. Matures 6 wks before 'Delic- ious'. Tree: Mod. vigorous, spurred, slightly upright bran- ches. Stem & fruit cracking; tendency to overcrop with small fruit size. Low chilling requirement.