

1936; selected 1947; introduced 1979; tested as Mn 1593. Comments:: Unattractive, irregularly shaped, 2.25-2.75" diam. 90% red. Flesh fine grained, very crisp, juicy, light yellow; aromatic flavor. Very hardy when picked. Mellows with age- peak fresh eating quality in Jan. or Feb. Keeps in storage through April. Ripens mid-Oct. to mid-Nov., depending on location. Tree: moderately vigorous spreading. Resistant to fire blight and cedar apple rust. Hardy through Minnesota, but may not mature in northernmost counties. Withstands temp. -40 degrees F.

The following were developed by Richard Wellington. Donated by Irrigated Agric. Research Ext. Center, P.O. Box 30, Washington State University, Prosser, Washington 99350, United States. Received 02/15/1988.

PI 589895. *Malus domestica* Borkh.

Macoun. Pedigree - McIntosh x Jersey Black Seed produced 1909; first fruit described 1918; introduced for trial 1923. Comments:: Size medium 65:49 mm; shape flat, rectangular; dark purplish red blush over green background. Firm aromatic white flesh. Drops readily-bruises easily. Medium size, vigorous hardy, spur-type, productive tree. Upright habit, needs training and thinning, biennial. Very resistant to fire blight. Blooms late. Ripens several weeks after McIntosh. One of the highest quality eating apples known. Storage 110 days at 31 degrees F.

The following were developed by E.W. Daniels. Donated by Irrigated Agric. Research Ext. Center, P.O. Box 30, Washington State University, Prosser, Washington 99350, United States. Received 02/15/1988.

PI 589896. *Malus domestica* Borkh.

Northwest Greening. Pedigree - Golden Russet x Alexander Introduced in 1872. Waupaca County. Comments:: Popular old winter variety. Large to very large. Handsome, up to 5" across. Waxy smooth, pale green skin with hint of yellow, turns to yellow mature. Juicy, mild subacid flavor. Excellent cooking apple, especially for pies. Known for keeping qualities, keeps well into winter. Used as a late- season pollinator. ripens during October. Hardy to -50 deg Biennial.

The following were developed by Univ. of Minnesota Fruit Breeding Farm, Excelsior, Minnesota, United States. Donated by Irrigated Agric. Research Ext. Center, P.O. Box 30, Washington State University, Prosser, Washington 99350, United States. Received 02/15/1988.

PI 589897. *Malus domestica* Borkh.

Oriole. Pedigree - Yellow Transparent x Livland Raspberry. Seed sown 1914, selected 1923, introduced 1949. Tested as Minn. 714. Comments:: Size medium to large 60-73:57-69 mm; shape intermediate to tall, rectangular convex, ribbed at eye and on body; skin yellow with pink flush and streaks; flesh soft, coarse, creamy white; flavor slightly sweet, slightly subacid. Excellent for eating and cooking. Season early. Tree: vigorous, extremely productive, heavy annual cropper. Hardy to -50 degrees F with occasional winter injury.

PI 589898. *Malus domestica* Borkh.

Prairie Spy. Pedigree - Introduced 1940. Parentage unknown, seed planted in 1914, selected in 1923, tested as Minn. 1007. Comments:: Size medium to large 61-75:52-62 mm; shape flat, rectangular convex. not ribbed; skin green to yellowish green, striped and blotched dull orange-red, whitish grey dots, very sticky tough; flesh firm, fine, greenish white; flavor sweet sub- acid, crisp, juicy, excellent flavor for all purpose. Season late. Tree: hardy, vigorous, long-lived annually productive. Some resistance to apple scab and cedar apple rust. Matures in Oct. Resembles Northern Spy.