

Register of New Fruit and Nut Cultivars

List 43

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Crop Listings!: Apple, Apple Rootstock, Apricot, Apricot Rootstock, Blackberry and Hybrid berry, Blueberry, Blue Honeysuckle, Cherry Rootstock, Cherry—Sweet, Gooseberry, Grape, Grape Rootstock, Nectarine, Peach, Peach Rootstock, Pear, Pecan, Plum and Plum Hybrids, Plum Rootstock, Raspberry, Strawberry, Tropical Fruit: Acerola, Avocado, Mango

APPLE

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8S6923. See Aurora Golden Gala™.

Ariane. Apple scab (*Venturia inaequalis*) resistant with attractive fruit, excellent flavor, long storage life. **Origin.** INRA, Angers, France, by F. Laurens, Y. Lespinasse, and A. Fouillet. P7R25A27 (Florina x Priam) x P21R4A30 (Golden Delicious x unknown); cross made in 1979; selected in 1988; tested as X6407. **Fruit:** matures with Golden Delicious; medium; flat-globose; skin 75% to 100% bright red over yellow ground color with many conspicuous lenticels and russet sometimes present in stem end; firm, crisp, and juicy flesh; stores 7 months; early harvested fruit can show storage scald. **Tree:** very vigorous with little branching; annual cropping with tendency to have clusters of small fruit on old branches making thinning necessary; resistant to apple scab races 1-5 with Vf gene but susceptible to race 6; some resistance to fire blight (*Erwinia amylovora*) and powdery mildew (*Podosphaera leucotricha*); susceptible to rosy apple aphid (*Dysaphis plantaginea*).

Aurora Golden Gala™ (cv. 8S6923). Midseason yellow, dessert apple with excellent texture and keeping quality. **Origin.** Agriculture and Agri-Food Canada, Summerland, B.C., by C. Hampson, R. MacDonald, H. Quamme, D.-L. McKenzie, and W.D. Lane. Splendour x Gala (Kidss D.8); cross made in 1981; tested as 8S-69-23. **Fruit:** medium; globose to globose-conic; weakly ribbed; skin thin to medium, tender, glossy, smooth, yellow or greenish-yellow sometimes having 10% or less light red blush; extremely crisp, firm, juicy, sweet; stores approx. 6 mo. **Tree:** moderate vigor; spreading habit with abundant spurs; very heavy fruit set requires prompt thinning; susceptible to apple scab; partially resistant to powdery mildew.

Civni. See Rubens®.

Co-op 29. See Sundance™.

Co-op 33. See Pixie Crunch™.

Co-op 39. See Crimson Crisp™.

Co-op 43. See Juliet™.

Crimson Crisp™ (cv. Co-op 39). Very crisp, attractive midseason apple with Vf resistance to apple scab. **Origin:** Purdue–Rutgers–Illinois cooperative breeding program, by J. Janick, J. Goffreda, and S. Korban. PCFW2-134 x PRI 669-205; cross made in 1971; selected in 1979; tested as PRI 2712-7. USPP applied for. **Fruit:** medium; oblate to round; skin medium-thick, glossy, not waxy following storage, with 95% to 100% red purple color; flesh yellow, very crisp and breaking; rich sub-acid flavor. **Tree:** moderate to low vigor; round habit, nonspur; biennial bearing if overcropped; resistant to apple scab (Vf), susceptible to cedar apple rust (*Gymnosporangium juniperi-virginianae*) and fire blight.

Dalitron. Distinctive bright yellow colored apple with long-term storage potential. **Origin:** Angers, France, by G. Ligonniere. Golden Delicious x Pilot; cross made in 1994; selected in 1997. USPP applied for. **Fruit:** large; truncate conical, round to elongated; little or no ribbing; skin has no bloom but medium to strong greasiness, greenish-yellow at harvest turning to bright yellow following storage; flesh creamy-white, medium to fine texture, firm, crunchy, juicy; complex aroma of banana and exotic fruit flavors. **Tree:** high vigor; upright-spreading.

Eden™ (cv. SJCA38R6A74). A nonbrowning apple with possible use for fresh slices or drying, similar to McIntosh or Cortland but firmer, crisper flesh and longer shelf life. **Origin:** Agriculture and Agri-Food Canada, Quebec, by S. Khanizadeh. Linda x Jonamac; cross made in 1971; tested as A38R6A74. **Fruit:** medium to very large; flat-globose or globose; skin medium thick, washed-out dark red over greenish-yellow ground color; flesh white, firm, juicy, crisp yet melting with fine texture; total phenols content very low; flesh does not brown after slicing for up to 3 months. **Tree:** moderately vigorous; spreading, drooping growth habit; fruit borne on spurs; susceptible to apple scab but no powdery mildew or fire blight observed in Quebec.

Galarina™. A Gala-like apple resistant to apple scab and retains eating quality longer. **Origin:** Fruit and Ornamental Breeding Unit of the Institut National de la Recherche Agronomique, Angers, France. Gala x Florina Querina; cross made in 1978; tested as X4982 in Quebec by Agriculture and Agri-Food Canada. **Fruit:** matures 1–2 d after Gala; medium size; round-conic; skin color is 65% to 100% orange-red over greenish-yellow ground color with russetting in the cavity; flesh yellowish-white and browns slowly, crisp, juicy, very firm; flavor aromatic and slightly tart; stores 4.5 months. **Tree:** moderately vigorous; upright-spreading habit; Vf resistance to apple scab.

Jazz® (cv. Scifresh). Fresh-market apple with excellent crispness. **Origin:** The Horticulture and Food Research Institute of New Zealand Limited, Havelock North, New Zealand, by A. White. Braeburn x Royal Gala; cross made in 1985. USPP 13,888. **Fruit:** small to medium; short globose to conical with no ribbing; skin smooth, no bloom, slight

*Special thanks to the crop contributors for compiling this information. Individuals with cultivars to describe should contact the crop editors directly.

greasiness, small lenticels, yellow-green ground color with 75% red overcolor and little russet in stem cavity; flesh yellowish-white, firm, juicy and crisp, medium texture; flavor balanced and aromatic; ripens ≥ 1 week before Braeburn; stores for at least 5 months **Tree:** medium vigor; spreading habit; bears on spurs.

Juliet™ (cv. Co-op 43). Late season, disease resistant, long storing. **Origin:** Purdue–Rutgers–Illinois by D. Dayton, S. Korban, J. Goffreda, J. Janick. PRI1018-101 x Viking; cross made in 1970; selected in 1977 at Urbana, Ill., by D.F. Dayton; tested as PAR14T238 and Co-op 43. USPP applied for. **Fruit:** large; round-oblate; smooth, waxy, moderately thick skin; 60% to 90% medium red over yellow-green ground color; full flavored, sub-acid to mild; low ethylene generation; maintains crisp texture for over 12 months; can have bitter pit. **Tree:** moderately vigorous; spreading habit; semi-spur type; crops annually with little blind wood; has Vf gene for apple scab resistance; resistant to powdery mildew and fire blight.

Lynn. Pink-red blushed fruit that ripen 5 d after Delicious with color similar to Cripps Pink but matures earlier and is more tart. **Origin:** Rock Island, Wash., by B. Nelson. Seedling of unknown parentage; selected in 1999. USPP 14,314. **Fruit:** large; round-conic; no ribbing; skin medium-thick, glossy, not greasy, 20% to 80% bright pink-red over yellow ground color; flesh creamy-white, medium firm, crisp and juicy, becoming melting after long storage; sub-acid to acidic flavor; stores 4 months. **Tree:** high vigor; upright habit; annual bearing.

MacExcel. Hardy, disease resistant, columnar apple. **Origin:** Agriculture and Agri-Food Canada, by Shahrokh Khanizadeh, Johanne Cousineau, Raymond Granger, Yvon Groleau, Gilles Rouselle, and Lloyd Spangelo. O-522 x McIntosh Wijkic; cross made in 1971; selected in 1992; tested as FER5A38; introd. in 2002. **Fruit:** medium; oblate to round conic with some ribbing; smooth, medium-thick skin; blotched and striped red to dark red over green-yellow ground color; heavy bloom; creamy white flesh; mild flavor; stores up to 2 months. **Tree:** moderate vigor; columnar habit; has Vf gene for apple scab resistance; resistant to powdery mildew.

MC38. Late-season, round, almost spherical fruit with more color and greater firmness than Cripps Pink. **Origin:** Harcourt, Australia, by A. McLean. Seedling of unknown parentage found in 1999 in block of Cripps Pink. USPP applied for. **Fruit:** medium to large; spherical, no ribbing or lobes; skin thick, not greasy after storage, solid striped red over yellow-green ground color, conspicuous lenticels, no russet; flesh white, firm, moderately juicy; tart, full-bodied flavor and moderate aroma; stores for 4 months **Tree:** medium vigor; erect, strong apical dominance.

Nicola™ (cv. SPA440). Attractive large, sweet, late-season apple. **Origin:** Agriculture and Agri-Food Canada, Summerland, B.C., by C. Hampson, R. MacDonald, H. Quamme, D.-L. McKenzie, and W.D. Lane. Splendour x Gala (Kidds D.8); cross made in 1981; selected in 1988; tested as 8S-26-10. **Fruit:** large; globose to globose-conic and weakly ribbed; skin smooth, glossy, medium-thick with little russet on cheeks but common in cavity and conspicuous lenticels with 85% red blush; flesh cream to light yellow, juicy, firm, crisp, slightly coarse; flavor starchy and slightly astringent at harvest but developing in storage to sweet and aromatic; stores well for 5 months. **Tree:** moderate vigor; spreading habit; bears on spurs and short shoots; needs thinning; good precocity; susceptible to apple scab.

Pixie Crunch™ (cv. Co-op 33). Small, very crisp, midseason apple with Vf resistance to apple scab. **Origin:** Purdue–Rutgers–Illinois cooperative breeding program, by J. Janick, E. Williams, J. Goffreda, and S. Korban. PCF2-134 x PRI 669-205; cross made in 1971 at Cream Ridge Research and Development Center, Rutgers Univ.; selected at Purdue Univ. in 1978 by E.B. Williams; tested as PRI 2712-1. USPP 13,871. **Fruit:** small to medium; round-oblate and no ribbing; skin thin and glossy, washed red-purple over greenish-yellow or yellow ground color; flesh yellow-

white, very crisp and breaking; rich sweet-tart flavor and slight aroma; storage for 2 months. **Tree:** moderate vigor; spreading habit; nonspur bearing; biennial bearing if overcropped; Vf resistance to apple scab; moderately resistant to fire blight and frogeye leafspot (*Phyalospora obtuse*); susceptible to powdery mildew and cedar apple rust.

Rebella. Early-midseason dessert apple with resistance to multiple diseases. **Origin:** Bundesanstalt für Züchtungsforschung an Kulturpflanzen, Dresden-Pilnitz, Germany, by Christa Fischer. Golden Delicious x Remo; selected in 1986. USPP 15,134. **Fruit:** small to medium; oblong, ellipsoidal-conical; skin thin, red over yellow ground color; flesh creamy-white, crisp, firm; balanced, aromatic flavor; stores 2 months. **Tree:** medium vigor; spreading, upright, pyramidal; resistant to apple scab, powdery mildew, fire blight, *Pseudomonas syringae*, and red spider mite (*Panonychus ulmi*).

Reinette Russet™. Alternative to Golden Russet for cider production with larger fruit, more cold hardy and partial resistance to apple scab. **Origin:** Selected as bud mutation of Reine des Reinettes at Fruit and Ornamental Breeding Unit of the Institut National de la Recherche Agronomique, Angers, France; further evaluated in Quebec as X4362. **Fruit:** medium; variable shape from round-conic or flat round-conic to oblate; skin brownish-yellow, medium thickness and very rough with fine to medium russet and large swollen lenticels; flesh greenish-white, juicy, breaking and firm; rich sweet flavor and tannins that contribute to cider quality. **Tree:** weak to moderate vigor; upright, spreading habit; resistant to apple scab in Quebec but partially resistant in France; resistant to powdery mildew and fire blight.

Rubens® (cv. Civni). **Origin:** Consorzio Italiano Vivaisti, Ferrara, Italy, by M. Leis, G. Castagnoli, and A. Martinelli. Elstar x Gala. USPP 14,177. **Fruit:** medium to large; conical-truncated, slightly asymmetrical; skin smooth, medium-thick, slightly greasy when overripe, 60% to 100% red to red-orange overcolor and greenish-yellow ground color; flesh creamy-white, medium texture, firm, juicy; flavor sweet and aromatic; matures approx 10 d after Gala; stores 6–7 months. **Tree:** medium vigor; upright habit; annual bearing on spurs; susceptible to apple scab; slightly susceptible to powdery mildew.

Scifresh. See Jazz®.

SJ 303. Midseason apple with excellent taste, appearance, and storage ability. **Origin:** Thompsons Brook, Western Australia, by J. Brouwer, R. Atherton, and C. Portman. Parents unknown but probably Granny Smith and Lady Williams; selected in 1998. USPP applied for. **Fruit:** medium; round, no ribbing; skin has little bloom and not greasy, $\geq 70\%$ red blush and stripe over green-yellow ground color; flesh white, medium texture, moderately aromatic, juicy, and firm; stores 6 months. **Tree:** high vigor; upright to spreading habit.

SJCA38R6A74. See Eden™.

SPA440. See Nicola™.

Stella Minnesota. Early season apple with nonbrowning flesh, excellent quality, and long storage life for season. **Origin:** Cox Apple Orchard, Cleveland, Minn., by W. Cox. Seedling of unknown parentage. USPP 13,930. **Fruit:** medium to large; moderately oblate; skin medium-thick, smooth with slight bloom and no greasiness, 60-90% red overcolor and yellow ground color, prominent starburst markings and lenticels; flesh white, slow to brown, firm, crisp and juicy; balanced flavor; stores 7 weeks. **Tree:** medium vigor; spreading habit; annual bearing on spurs with no premature dropping; slightly susceptible to apple scab and cedar apple rust; slightly resistant to fire blight.

Sundance™ (cv. Coop 29). Late season, attractive yellow apple with Vf resistance to apple scab. **Origin:** Purdue–Rutgers–Illinois cooperative breeding program, by J. Janick, E. Williams, J. Goffreda, and S. Korban.