

# Register of New Fruit and Nut Cultivars

## List 46

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**Crop Listings<sup>2</sup>:** Almond Rootstock, Apple, Apple Rootstock, Apricot and Pubescent-Skinned *Prunophora* Hybrids, Apricot Rootstock, Blackberry, Blueberry, Blue Honeysuckle, Cactus Pear, Citrus, Cranberry, Currant, Elderberry, Gooseberry, Grape, Grape Rootstock, Hazelnut, Kiwifruit, Mango, Nectarine, Paw Paw, Peach, Peach Rootstock, Persian Walnut, Plum, Rambutan, Raspberry, Strawberry

### ALMOND ROOTSTOCK

**Thomas G. Beckman, USDA-ARS Southeastern Fruit and Tree Nut Research Laboratory, Byron, GA**

**Replantpac.** Compatible with almond cultivars. Described under Plum Rootstock.

### APPLE

**James J. Luby and David S. Bedford, Dept. of Horticultural Science, University of Minnesota, St. Paul, MN**

**Achilles.** Limb mutation of Greek cultivar Firiki with greater red overcolor. **Origin:** Pomology Institute (N.AG.RE.F.), Naoussa, Greece, by T. Sotiropoulos. Selected 1999; HortScience 45:673–674.

**Burnett cultivar.** Limb mutation of Obrogala having nearly full blush overcolor and maturing two weeks earlier than standard Gala strains. **Origin:** Quincy, WA by P. Burnett. Selected 1999. USPP 21,578; 21 Dec. 2010.

**Campbell Jonathan.** Limb mutation of Robison Jonathan with bolder, contrasting red striping. **Origin:** Waverly, Missouri by J. Campbell. USPP 21,300; 21 Sept. 2010.

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<sup>2</sup>Special thanks to the crop contributors for compiling this information. Individuals with cultivars to describe should contact the crop editors directly.

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**Caufflight.** Limb mutation of Caudle with more intense bright red overcolor. **Origin:** Flightshott Farm, Kent, United Kingdom by S. Glover. USPP 20,942; 27 Apr. 2010.

**CIVNIRED S.** limb mutation of CIVNI with greater extension of bright red overcolor. **Origin:** Laces (South Tyrol), Italy by M. Leis, S. Salvi, F. Tagliani and A. Martinelli. Selected 1999. USPP 21,697; 8 Feb. 2011.

**Daligris.** Whole-tree mutation of Pinova that differs in having smooth light brown to yellow russeting covers the stem cavity and spreads to cheeks, more prominent lenticels, and a red-orange rather than red-pink overcolor, consistently higher sugar content and pronounced anise flavor. **Origin:** Lezigne, France by G. Ligonnere. Selected 1998. USPP 21,722; 22 Feb. 2011.

**Goldlane.** Compact, columnar tree with firm and crisp yellow fruit. **Origin:** Inst. of Experimental Botany, Czech Republic by J. Tupy, O. Louda, and J. Zima. UEB 3138/1 x Bohemia; selected 2003. USPP 21,413; 26 Oct. 2010. **Fruit:** best quality after 3 mo common storage; 6.0 cm height x 7.6 cm diam.; globose to obloid; weak ribbing; crown at calyx end; skin yellow with no overcolor; no bloom or greasiness; flesh very firm, crisp, fine texture with rich flavor and medium aroma; stores for 6 mo in ambient refrigerated storage. **Tree:** columnar habit; spur bearing; *Rvi6 (V<sub>6</sub>)* resistance to apple scab.

**Jugala.** Whole-tree mutation of Mitchgla Gala with fruit maturing approximately 5 d earlier. **Origin:** Saint Paul D’Espis, France by M. Julien. USPP 21,315; 28 Sept. 2010.

**KAR 4.** Early maturing red apple with apple scab resistance. **Origin:** Agriculture & Agri-Food Canada Kentville Research Station, Kentville, Nova Scotia by C.G. Embree. PaulaRed x Novamac; crossed 1978; tested as S47-20-37. Canada PBR 3,809; 9 Mar. 2010. **Fruit:** small to medium, 5.9 cm axial diam. x 7.4 cm transverse diam.; obloid; absent or weak ribbing; moderate crowning at calyx end; skin moderately glaucous with absent or very weak greasiness, yellow green ground color, moderate area of solid red flush with weakly defined narrow stripes of red overcolor, medium area of russet around stalk attachment, absent or small area of russet on cheeks and around eye basin, medium number of medium sized lenticels; flesh medium firm, cream color, moderate browning. **Tree:** strong vigor; ramified, upright habit, bearing on spurs and long shoots; resistant to apple scab (*Venturia inaequalis*) and moderately resistant to powdery mildew (*Podosphaera leucotricha*).

**KAS 9.** Late-season maturing dark red apple. **Origin:** Agriculture & Agri-Food Canada Kentville Research Station, Kentville, Nova

Scotia by C.G. Embree. NJ32 x NJ191456; crossed 1963; tested as S23-06-52. Canada PBR 3,808; 9 Mar. 2010. **Fruit:** medium, 6.8 cm axial diam. x 8 cm transverse diam.; globose; moderate ribbing; absent or weak crowning at calyx end; skin moderately glaucous with absent or very weak greasiness, yellow ground color, very large area of solid dark purple red flush with weakly defined narrow stripes of dark purple red overcolor, medium area of russet around stalk attachment, many medium sized lenticels; flesh firm, white with pinkish striping, browns slowly. **Tree:** strong vigor; ramified, spreading habit, bearing on spurs and long shoots; susceptible to apple scab.

**Lentz Jonagold.** Limb mutation of Rubinstar Jonagold with earlier and greater red fruit coloration as well as red coloration of the leaf petiole and mid-vein. **Origin:** Honor, MI by W.J. Lentz. selected 2005. USPP 20,590; 22 Dec. 2009.

**LJ-1000.** Whole tree mutation of Honeycrisp with earlier and greater red coloring and higher sugar levels. **Origin:** Quincy, Washington by L.D. Jones. Selected 2005. USPP 22,244; 15 Nov. 2011.

**Moana.** Limb sport mutation of a Nagafu-6 Fuji with nearly complete red blush. **Origin:** Upper Moutere, New Zealand by G. Rowling and A. Rowling. Selected 1996. USPP 21,450; 9 Nov. 2010.

**Moonlight.** A late-maturing cultivar with columnar habit, medium-sized, yellow-green fruits having good storage quality and *Rvi6* (*V<sub>β</sub>*) resistance to apple scab. **Origin:** Inst. of Experimental Botany, Czech Republic by J. Tupy, O. Louda, and J. Zima. Goldstar x Telemon; selected 2002. USPP 21,511; 23 Nov. 2010. **Fruit:** size average 7.0 cm axial diam. x 7.8 cm transverse diam.; globose conical to conical shape; skin yellow-green to yellow with a partial red to orange blush; flesh yellow, firm, crisp and juicy with a good sweet/sour balance and very good eating quality. **Tree:** columnar habit; *Rvi6* (*V<sub>β</sub>*) resistance to apple scab and tolerance to powdery mildew.

**Nevson.** Midseason cultivar 30 d after Gala. **Origin:** Southern Trees Ltd., Alexandra, New Zealand by J. McLaren. Cala x Hawkes Bay Red Delicious; crossed 1983; selected 1987. Canada PBR 4,169; 2 Sept. 2011. **Fruit:** cylindrical waisted; skin with yellow-green ground color and a light orange-red overcolor; medium-sized; flesh very firm, cream colored. **Tree:** vigor medium with spreading growth habit and bearing on spurs.

**New York 1.** Attractive red fruits that are sweet, juicy and have a crisp texture, ripen early mid-season and store 100–150 d. **Origin:** Cornell University/New York State Agric. Exp. Stat. Geneva, NY, by S.K. Brown and K. Maloney. Honeycrisp x NY752; tested as NY 98804-001. USPP 22,228; 8 Nov. 2011. **Fruit:** 7.3 cm axial diam. x 6.3 cm transverse diam.; medium- to long-conical; flesh similar to Honeycrisp in sweetness, juiciness and crisp texture, but firmer and not prone to bitter pit or soft scald. **Tree:** small to medium size with low vigor and upright habit; precocious, annual bearing on spurs.

**New York 2.** Excellent fruit quality at harvest and after cold storage and precocious bearing. **Origin:** Cornell University/New York State Agric. Exp. Stat., Geneva, NY, by S.K. Brown and K. Maloney. Braeburn x Autumn Crisp; tested as NY92609-463. USPP 22,207; 25 Oct. 2011. **Fruit:** 210 g, 8.2 cm transverse diam. x 7.2 cm axial diam.; globose and symmetrical, medium crowning at calyx end, calyx partially closed; skin ground color yellow, 80% red blush overcolor with scant bloom; ripens mid-late season; flesh white, firm, crisp, juicy, slightly coarse; tart and pleasant mild flavor; stores for at least 3 mo in common storage with no disorders. **Tree:** medium vigor, spreading, spur bearing habit, mid-season bloom, annual cropping and very precocious; moderately susceptible to powdery mildew.

**Odysseus.** Produces high quality fruit with excellent fruit quality, particularly high nutritional value and a flavor more similar to the preferred Firiki. High quality. **Origin:** Pomology Institute

(N.AG.RE.F.), Naoussa, Greece, by T. Sotiropoulos. Mutsu x Firiki; crossed in 2000. HortScience 46:141–142. **Fruit:** medium-large with axial diam. 7.5 cm x transverse diam. 7.3 cm; oblong conical; skin light green with no russeting and small, inconspicuous lenticels; flesh white, aromatic, crisp, and juicy; no bitter pit or external browning; good storage for up to 5 mo. **Tree:** productive; almost no preharvest fruit drop; thinning necessary to avoid biennial bearing; mainly spur-bearing.

**PLBAR B1.** Limb mutation of Cripps Pink with higher color and 2 weeks earlier maturity. **Origin:** Pemberton, Western Australia by D.W. Barnsby. Selected 2002. USPP 21,606; 4 Jan. 2011.

**PLFOG99.** Limb mutation of Cripps Pink with more compact tree type, spur bearing habit and earlier maturity. **Origin:** Kirup, Western Australia by T. Fogliani and D. Fogliani. Selected 1999. USPP 21,555; 7 Dec. 2010.

**PLMAS98.** Limb mutation of Cripps Pink with fruit maturing approximately two weeks earlier. **Origin:** Manjimup, Western Australia by G. Maslin and C. Maslin. Selected 1999. USPP 21,412; 26 Oct. 2010.

**PremA153.** Blush-yellow fruit with excellent flavor and texture. **Origin:** Hawkes Bay, New Zealand by A. White. Tenroy Gala x Braeburn. USPP 21,936; 31 May 2011. **Fruit:** 200 g, 8.5 cm diam. x 9 cm height; globose conical; lacks ribbing, crown at calyx end; closed calyx; skin with yellow ground color and 20% yellow-orange blush overcolor; flesh white, juicy with fine texture, weak aroma. **Tree:** vigorous; semi-upright; late-season blooming.

**Qinyang.** Early ripening with high fruit quality. **Origin:** Northwest A&F University, Yangling, Shaanxi, People's Republic of China by H. Gao, Z. Zhao, Y. Lu, Y. Wan, L. Wang, and J. Yuan. Royal Gala x O.P.; selected 1998; tested as 12-9-53; HortScience 46:660–661. **Fruit:** medium, axial diam. 6.7 cm x transverse 7.9 cm; globose; skin with red stripes to full-red over a greenish-yellow ground color; white, conspicuous, lenticels; slight russeting in stem cavity; flesh slightly yellow, crisp, juicy, and medium firm; aromatic sweet, slightly tart flavor. **Tree:** medium vigor; conical canopy, upright spreading habit; leaves and fruits have higher resistance to ring moth (*Lithocolletis ringoniella*), leafspot (*Alternaria mali*), and powdery mildew than Royal Gala.

**RGLORS.** Limb mutation of Rosy Glow with solid russet, crisper flesh, and sour-sweet flavor with a sweet aftertaste. **Origin:** Migliaro, Ferrara, Italy by G. Mazzoni and M. Leis. Selected 2005. USPP 21,272; 7 Sept. 2010.

**September Sentinel.** Columnar tree with dark-pink flower petals and red blushed fruit ripening in mid season. **Origin:** Agriculture and Agri-Food Canada, Pacific Agri-Food Research Centre, Summerland, BC by D.W. Lane. 8H-09-01 x Coop 27; selected 1989; tested as 11W-61-23. Canada PBR 3,765; 15 Feb. 2010. **Fruit:** medium size; conic with absent or weak ribbing and moderate crowning at calyx end; skin moderately glaucous with absent or very weak greasiness; yellow-green ground color with a large area of solid red flush and weakly defined medium width stripes of medium-red overcolor; absent or small area of russet around stalk attachment; absent or small area of russet on cheeks and around eye basin; few to medium number of medium sized lenticels; flesh firm, cream color **Tree:** medium vigor with columnar habit; spur-bearing.

**Smaragd.** Columnar, late season, with green fruit. **Origin:** Faculty of Agriculture, University of Novi Sad, Serbia by V. Ognjanov. Granny Smith x McIntosh Wijcik; crossed 1993; selected 1999; HortScience 46:952–954. **Fruit:** medium-large with transverse diam. 7.5 cm; flat-globose; skin 100% uniform green with no overcolor; small, usually inconspicuous, lenticels; no russet; flesh is fine, crisp,