

# Register of New Fruit and Nut Cultivars List 50

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**Crop Listings<sup>z</sup>.** Almond, Apple, Apricot and Pubescent-skinned *Prunophora* hybrids, Avocado, Avocado rootstock, Blackberry, Blueberry, Citrus, Citrus rootstock, Elderberry, Fig, Grape, Kiwiberry, Kiwifruit, Mango, Nectarine, Pawpaw, Peach, Pear, Persimmon, Pineapple, Plum and interspecific hybrids, Pomegranate, Raspberry, Strawberry

## ALMOND

**Thomas M. Gradziel, Dept. of Plant Sciences, University of California, Davis, CA**

**Capella.** Self-fertile, blooms 2 d after Nonpareil, with early to midseason harvest time and kernel-to-shell ratio 23%. **Origin:** University of Adelaide, Adelaide, South Australia, Australia, by M. Wirthensohn, and Plant & Food Research, Adelaide, by A. Granger. Nonpareil × Lauranne; crossed 1997; selected 2009; introd. 2017. USPP 29,674; 18 Sept. 2018. **Nut:** shell ovate, hard; kernel slightly flatter and wider than Nonpareil, easily blanched, large, 1.48 g, 53% oil, 67% oleic acid; hull flares away from shell at maturity. **Tree:** growth habit upright to slightly open; crops heavily on spurs; tolerant to bacterial spot (*Xanthomonas arboricola* pv. *pruni*).

**Carina.** Self-fertile, blooms 4 d before Nonpareil, with very early to early harvest time and kernel-to-shell ratio 29%. **Origin:** University of Adelaide, Adelaide, South Australia, Australia,

by M. Wirthensohn, and Plant & Food Research, Adelaide, by A. Granger. Nonpareil × Lauranne; crossed 1997; selected 2009; introd. 2017. USPP 29,676; 18 Sept. 2018. **Nut:** shell well sealed, semi-hard; kernel medium, 1.13 g, 57% oil, 62% oleic acid, less than 5% doubles. **Tree:** slightly spreading, similar to Nonpareil; bearing primarily on spurs; tolerant to bacterial spot.

**Maxima.** Self-incompatible, blooms 4 d after Nonpareil, with early to medium harvest time and kernel-to-shell ratio 26%. **Origin:** University of Adelaide, Adelaide, South Australia, Australia, by M. Wirthensohn, and Plant & Food Research, Adelaide, by A. Granger. Nonpareil × Lauranne; crossed 1997; selected 2009; introd. 2017. USPP 29,423; 26 June 2018. **Nut:** shell cordate, large, well sealed, semi-hard; kernel very large, 2.05 g, 62% oil, 60% oleic acid, less than 5% doubles. **Tree:** slightly spreading, similar to Nonpareil; tolerant to bacterial spot.

**Mira.** Self-fertile, blooms 3 d after Nonpareil, with early harvest time and kernel-to-shell ratio 30%. **Origin:** University of Adelaide, Adelaide, South Australia, Australia, by M. Wirthensohn, and Plant & Food Research, Adelaide, by A. Granger. Nonpareil × Lauranne; crossed 1998; selected 2009; introd. 2017. USPP 29,675; 18 Sept. 2018. **Nut:** shell well sealed, semi-hard; kernels medium, 1.27 g, 61 % oil, 59% oleic acid content, less than 5% doubles. **Tree:** growth habit upright to slightly spreading; crops heavily on spurs.

**Rhea.** Self-incompatible, blooms 3 d before Nonpareil, with medium harvest time and kernel-to-shell ratio 36%. **Origin:** University of Adelaide, Adelaide, South Australia, Australia, by M. Wirthensohn, and Plant & Food Research, Adelaide, by A. Granger. Nonpareil × Lauranne; crossed 1998; selected 2009; introd. 2017. USPP 29,634; 4 Sept. 2018. **Nut:** cordate, medium, well sealed paper shells; kernel medium, 1.14 g, 55% oil, 68% oleic acid content, less than 5% doubles. **Tree:** growth habit slightly open; crops heavily on spurs; tolerant to bacterial spot.

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<sup>z</sup>Special thanks to the crop contributors for compiling this information. Individuals with cultivars to describe should contact the crop editors directly. **DISCLAIMER OF LIABILITY AND ACCURACY:** This information is provided as a courtesy of the American Society for Horticultural Science (ASHS) and is presented with the explicit understanding that ASHS and its authors are not rendering any professional service or advice. While ASHS does its best to present current, accurate, and complete information, the information provided herein may be changed at any time by its owners, or become outdated. Readers are encouraged to inquire further for confirmation of all information on cultivar description and intellectual property protection. ASHS strictly disclaims the accuracy or completeness of the information contained herein. ASHS and its authors strictly disclaim any liability whatsoever, direct or indirect, for any damages of any kind resulting from the use of this material.

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## APPLE

**Sarah Kostick and Kate Evans, Washington State University Tree Fruit Research and Extension Center, Wenatchee, WA**

**A 68-173 (Blushing Delight™).** Columnar tree with juicy, balanced sweet/sour fruit. **Origin:** Geisenheim, Germany, by P. Braun. Waltz × Pinova. USPP 28,439; 26 Sept. 2017. **Fruit:** large, diameter 9 cm; slightly flattened; overcolor 40% red with green ground color; very juicy, sweet-tart flavored, slightly aromatic; flesh firmness 7.7 kg; ripens mid-September in Geisenheim. **Tree:** vigorous; growth habit columnar; blooms midseason, early April in Dundee, OR; tolerant to drought; tolerant to apple scab (*Venturia inaequalis*) and powdery mildew (*Podosphaera leucotricha*).

**Alpigala.** Early coloring, dark Gala mutation with defined stripes. **Origin:** International Fruit Obtention, Seiches sur le Loir, France, by T. Clos. Gala whole tree mutation; discovered 2010; propagated 2010. USPP 30,061; 8 Jan. 2019. **Fruit:** medium, diameter 7.3 cm; conical; overcolor dark purple with light yellow ground color; strongly defined stripes; flesh medium firm; sweet, 11 °Brix; moderately aromatic and juicy; ripens with Galaxy. **Tree:** vigor medium; ramified; growth habit spreading; blooms late April in Loire Valley, France.

**Bigbucks (Flash Gala™).** Dark red Royal Gala mutation. **Origin:** Pink Vein Pty. Ltd., Elgin, Western Cape, South Africa, by D.A. Corder, P.J. Nell, and A.G. Rawbone-Viljoen. Royal Gala mutation; discovered 2011; propagated 2012. USPP 29,365; 12 June 2018. **Fruit:** medium, diameter 7.1 cm; cylindrical-globose; overcolor 90-100% dark red; flesh crisp, juicy, 13 °Brix at harvest; ripens early February in Elgin. **Tree:** vigorous, similar to Royal Gala; ramified; blooms mid-late October in Elgin; susceptible to scab, similar to Royal Gala.

**Blushing Delight™.** See A 68-173.

**Cherish™.** See PremA34.

**CP 101.** Early maturing, attractive, and flavorful. **Origin:** University of Maryland, College Park, by C.S. Walsh and J.M. Harshman. Cripps Pink × CGM (McIntosh Wijcik × Gala). USPP 28,595; 7 Nov. 2017. **Fruit:** medium, diameter 7.0 cm; oblate to conic; overcolor 90% red and striped with green-yellow ground color; flesh crisp, moderately juicy with weak aroma; ripens mid-October in Keedysville, MD, 3-4 weeks before Cripps Pink. **Tree:** vigor low-moderate; growth habit spreading; blooms early to mid-April in Keedysville, similar to Gala and Cripps Pink; tolerant to brown marmorated stink bug (*Halyomorpha halys*) and fire blight (*Erwinia amylovora*); susceptible to bitter rot (*Glomerella cingulata*).

**Coryphée®.** See Zouk 32.

**Crunch-A-Bunch®.** See MAIA7.

**Dazzle™.** See PremA129.

**Duke Fuji.** Early coloring, solid red Fuji. **Origin:** Andrian, Italy, by D. Helmuth. Brak Fuji limb mutation; selected 2009; propagated 2010. USPP 30,660; 9 July 2019. **Fruit:** large, diameter 8.8 cm; overcolor 100% solid red flush; globose; flesh crunchy, sweet, 14-15 °Brix, juicy; ripens mid-October in Andrian, like other Fuji-type varieties. **Tree:** vigorous; ramified; growth habit drooping; blooms mid-April in Andrian; similar disease resistance/susceptibility to other Fuji-type varieties.

**E756-36.** Pink-fleshed, crisp with pleasant taste. **Origin:** NIAB EMR, Cambridge, United Kingdom, by K.M. Evans. Gala × SA908-12 (Falstaff × Pink Pearl); crossed 2003; selected 2006; propagated 2011. USPP 30,627; 2 July 2019. **Fruit:** medium, diameter 6.52 cm; overcolor pink-orange with orange-yellow ground color; conic,

slightly asymmetric; lenticels prominent; flesh pink, crisp and juicy with pleasant flavor, acidity 3.4 pH, 0.71 ± 0.02 g malic acid/100 ml; 14.2 °Brix; storability moderate, 3-4 months in regular atmosphere; ripens early September in East Malling, Kent, United Kingdom. **Tree:** vigor moderate; ramified; growth habit upright; blooms April in East Malling.

**Flanders Pink®.** See Zouk 16.

**Flash Gala™.** See Bigbucks.

**Fuji VW (King Fuji®).** Solid red-purple Fuji. **Origin:** Kiku Srl. GmbH., Giran/Eppan, Italy, by J. Braun. Brak Fuji limb mutation; selected 2009; propagated 2010. USPP 30,174; 5 Feb. 2019. **Fruit:** large, diameter 8.7 cm; globose; overcolor solid red-purple; flesh moderately firm, crunchy, very juicy, sweet, 14-15 °Brix; ripens with Fuji. **Tree:** ramified; growth habit spreading; full bloom mid-April in Giran.

**Gala 0502.** Solid purple-red Gala. **Origin:** Kiku Srl. GmbH., Giran/Eppan, Italy, by J. Braun. Gala limb mutation; discovered 2009; propagated 2010. USPP 28,235; 1 Aug. 2017. **Fruit:** medium-large, diameter 7.7 cm; conic; overcolor 100% purple-red; flesh crunchy, sweet, 14-15 °Brix, juicy; colors early; ripens with other Gala types. **Tree:** vigor similar to Gala; ramified; growth habit drooping; blooms mid-April in Giran; disease resistance/susceptibility similar to Gala.

**Gala 0502B.** Early coloring, deep purple-red Gala. **Origin:** Kiku Srl. GmbH., Giran/Eppan, Italy, by J. Braun. Gala Royal Beaut limb mutation; discovered 2010; propagated 2011. USPP 30,511; 21 May 2019. **Fruit:** medium-large, diameter 7.7 ± 0.7 cm; conic; overcolor 100% purple-red; flesh moderately firm, crisp, sweet, 14-15 °Brix, juicy; ripens mid-August in Casaleone, Italy, with other Gala type cultivars. **Tree:** vigor moderate, similar to other Gala types; ramified; growth habit drooping; blooms mid-April in Casaleone; disease resistance/susceptibility similar to other Gala types.

**Gala One®.** See ZoukG1.

**Galafab (Gala Star®).** Intensely red Gala. **Origin:** Entraigues, France, by L. Fabre. Gala limb mutation; selected 2008; propagated 2009. USPP 28,885; 23 Jan. 2018. **Fruit:** medium, diameter 6.5-7.5 cm; truncated conical; overcolor 90-100% intense red; flesh crisp, moderately juicy, and firm; 13.0 °Brix; ripens early August in Entraigues. **Tree:** vigor medium; ramified; growth habit spreading; blooms early April in Entraigues; disease resistance/susceptibility similar to Gala.

**GalaMic.** Early coloring, deep purple Gala. **Origin:** Kiku Srl. GmbH., Giran/Eppan, Italy, by J. Braun. Gala limb mutation; discovered 2010; propagated 2011. USPP 30,512; 21 May 2019. **Fruit:** medium-large, diameter 7.9 ± 0.7 cm; conic; overcolor 100% deep purple; flesh moderately firm, crisp, sweet, 14-15 °Brix, juicy; ripens mid-August in Zevio, Italy, similar to other midseason Gala apples. **Tree:** vigor low; growth habit spreading; blooms mid-April in Zevio; disease resistance/susceptibility similar to Gala.

**Gala Star®.** See Galafab.

**Gala Surf.** Very dark purple-red Gala. **Origin:** International Fruit Obtention, Soeurdres, France, by F. Brisset and D. Brisset. Gala whole tree mutation; propagated 2012. USPP 30,009; 25 Dec. 2018. **Fruit:** medium, diameter 7.1 cm; conical; overcolor dark purple red with light yellow ground color; flesh moderately firm, juicy, moderately aromatic, sweet, 11 °Brix; ripens late August in Loire Valley. **Tree:** vigor medium; ramified; growth habit spreading; blooms mid-April in Loire Valley.

**Gradisca.** Bright red, highly perfumed, sweet. **Origin:** Mudaison, France, by O. Grard and A. Grard. Fuji O.P.; selected 1994;