

Register of New Fruit and Nut Varieties List 29¹

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COOPERATING HORTICULTURISTS

CANADA

Anderson, E. T.: Ontario
Craig, D. L.: Nova Scotia
Cumming, W. A.: Manitoba
Daubeny, Hugh A.: British Columbia
Fisher, D. V.: British Columbia
Kerr, E. A.: Ontario
Longley, R. P.: Nova Scotia
Nelson, S. H.: Saskatchewan
Spangelo, L. P. S.: Alberta

UNITED STATES

Amling, Harry J.: Alabama
Anderson, J. F.: Massachusetts
Anderson, Robert: Michigan
Armstrong, W. D.: Kentucky
Bailey, Catherine H.: New Jersey
Barritt, B. H.: Washington
Beutel, James A.: California
Bird, J. J.: Tennessee
Brison, Fred R.: Texas
Campbell, Carl W.: Florida
Campbell, Ronald W.: Kansas
Childs, W. H.: West Virginia

Correll, F. E.: North Carolina
Dana, Malcolm N.: Wisconsin
Einset, John: New York
Fisher, Vernon J.: Delaware
Fogle, Harold W.: Maryland (USDA)
Galletta, Gene J.: North Carolina
Gardner, F. E.: Florida (USDA)
Hamilton, R. A.: Hawaii
Harkness, Roy W.: Florida
Hawthorne, P. L.: Louisiana
Hearn, C. Jack: Florida
Hesse, Claron O.: California
Hibbard, Aubrey D.: Missouri
Hilgeman, Robert H.: Arizona
Hill, Robert G.: Ohio
Hinrichs, Herman A.: Oklahoma
Hitz, C. W.: Pennsylvania
Hough, L. F.: New Jersey
Hull, Jerome: Michigan
Janick, Jules: Indiana
Jaynes, Richard A.: Connecticut
Lamb, Robert C.: New York
Lana, E. P.: North Dakota
Lane, Ronald P.: Georgia
Loomis, N.H.: California (USDA)
McDaniel, J. C.: Illinois
McKay, John: Maryland

Meador, E. M.: New Hampshire
Metcalf, H. N.: Montana
Miller, V. J.: Arizona
Moore, James N.: Arkansas
Moulton, James E.: Michigan
Mowry, James B.: Illinois
Norman, Gerald G.: Florida
Oberle, Geo. D.: Virginia
Overcash, J. P.: Mississippi
Peterson, Ronald M.: South Dakota
Popenoe, John: Florida
Rollins, Howard A., Jr.: Ohio
Schroeder, C. W.: California
Scott, D. H.: Maryland (USDA)
Sefick, H. J.: South Carolina
Sharpe, Ralph H.: Florida
Slate, George L.: New York
Stushnoff, Cecil: Minnesota
Tate, Harvey: Arizona
Thompson, Maxine M.: Oregon
Toyama, T. K.: Washington (USDA)
Underwood, V. H.: North Carolina
Ure, C. R.³: Colorado
Waldo, George F.: Oregon (USDA)
Walker, David R.: Utah
Way, Roger D.: New York
Weinberger, J. H.: California (USDA)

ADDENDUMS & REVISIONS

APPLE

Criterion. – Plant pat. 3,505, Mar. 5, 1974, by Francis M. Crites. Origin and description appeared in List 27.

Erligon. – Plant pat. 3,045, April 13, 1971. Origin and description appeared in List 23.

Mor-Spur McIntosh (*Raikes McIntosh*). – Origin and description appeared in List 26. The correct name is Mor-Spur McIntosh with Raikes McIntosh as a synonym. Covered by plant pat. 3,390, Aug 21, 1973.

Priscilla. – Plant pat. 3,488, Feb. 19, 1974, by Daniel F. Dayton, James B. Mowry, L. Frederic Hough, Catherine Bailey, Edwin B. Williams, Jules Janick, Frank H. Emerson and J. Ralph Shay, assigned to Purdue Research Foundation. Origin and description appeared in List 28.

Starkspur McIntosh. – Origin and description appeared in List 26. Introduced in U.S. in 1973 by Stark Bros. Nurseries & Orchards Co.

APRICOT

Goldrich. – Originally introduced in 1971 as Sungiant. Renamed because of an existing trademark. See List 26 for writeup.

GRAPE

Aurore (*Seibel 5279*). – Origin and description appeared in List 14. The name of this var. has been changed to Aurore.

Baco noir (*Baco 1*). – Origin and description appeared in List 16 as Baco No. 1. The var. has been renamed.

Bellandais (*Seibel 14596*). – Origin and description appeared in List 20. The name of this var. has been changed to Bellandais.

Chelois (*Seibel 10878*). – Origin and description appeared in List 14. The name of this var. has been changed to Chelois.

Colobel (*Seibel 8357*). – Origin and description appeared in List 16. The name of this var. has been changed to Colobel.

Garonnet (*Seyve-Villard 18-283*). – Origin and description appeared in List 15. The name of this var. has been changed to Garonnet.

Plantet (*Seibel 5455*). – Origin and description appeared in List 19. The name of this var. has been changed to Plantet.

Rayon D'Or (*Seibel 4986*). – Origin and description appeared in List 17. The name of this var. has been changed to Rayon D'Or.

Roucaneuf (*Seyve-Villard 12-309*). – Origin and description appeared in List 15. The name of this var. has been changed to Roucaneuf.

Rubilande (*Seibel 11803*). – Origin and description appeared in List 16. The name of this var. has been changed to Rubilande.

Seinoir (*Seibel 8745*). – Origin and description appeared in List 20. The name of this var. has been changed to Seinoir.

Seyval (*Seyve-Villard 5-276*). – Origin and description appeared in List 14. The name of this var. has been changed to Seyval.

Varousset (*Seyve-Villard 23-657*). – Origin and description appeared in List 15. The name of this var. has been changed to Varousset.

Villard blanc (*Seyve-Villard 12-375*). – Origin and description appeared in List 15. The name of this var. has been changed to Villard blanc.

¹Compiled by Mrs. Evelyn Zielesch and Charla M. Meacham, Univ. of Calif., Davis.

²Deceased January 17, 1966.

³Deceased November 5, 1972.

PEACH

Treasure. — Plant pat. 3,413, Jan. 1, 1974, by Grant Merrill. Origin and description appeared in List 26.

PLUM

Autumn Brite (*Autumn Bright*). — Plant pat. 3,297, Feb. 6, 1973, by Roy Sumruld. Origin and description appeared in List 27.

SANDCHERRY

Tepee (*Teepee*). — Writeup appeared in List 27. This is to correct the spelling of the var. from Teepee to Tepee.

ALMOND

Sauret #1. — Orig. in the Oak Flat area of San Luis Obispo County, California, by Clarence H. Sauret. Introd. in 1965. Plant pat. 3,293; Jan. 16, 1973; assignor of fractional part interest to Richard K. Sauret. Chance sdg., disc. in 1952. Nut: small; av. 370 per lb.; ovate; hull thin; shell thin, ragged, outer shell crumbly, inner shell medium to soft, well-sealed; kernel brown, av. $3\frac{1}{2}$ per oz., flavor good, 66% of nut; harvested with Nonpareil; easily harvested and processed. Tree: large; upright; vigorous; medium dense growth with abundant foliage; heavy and regular producer; very few defectives; blooms and pollinates with Nonpareil.

Sauret #2. — Orig. in the Oak Flat area of San Luis Obispo County, California, by Clarence H. Sauret. Introd. in 1965. Plant pat. 3,294; Jan. 16, 1973; assignor of fractional part interest to Richard K. Sauret. Chance sdg., disc. in 1950. Nut: large; av. 300 per lb.; elongated; hull medium thick; shell medium thin, outer shell crumbly, inner shell medium hard, ragged, well-sealed; kernel brown, av. 29.3 per oz., flavor good, 60% of nut; harvested 10 days before Mission; easily harvested and processed. Tree: large; upright to spreading; vigorous; dense growth with abundant foliage; heavily clustered producer, regular bearer; very few defectives; blooms 3 days after Nonpareil.

APPLE

Fruitland Delicious. — Orig. in Fruitland, Idaho, by Fruitland Nursery. Not introd. commercially. Bud mutation of Delicious, disc. previous to 1950. Fruit: $3\frac{1}{2}$ -4 in. in diameter; less conic and more blocky than Delicious; skin blush, faintly striped; more bitter pit than Delicious; 2-4-4 periclinal cytochimera, chimeral nature determined by H. Dermen, confirmed by J. Einset and C. Pratt at the New York State Agr. Expt. Sta.; ripens Oct. 10 at Geneva, N.Y. Tree: size and shape same as Delicious; less productive than Delicious. Recommended for possible tetraploid parent.

Ozark Gold. — Orig. in Mountain Grove, Missouri, by Mountain Grove Fruit Expt. Sta. Introd. in 1970. Golden Delicious \times H1291 (Red Delicious \times Conrad), cross made by Paul Sheppard. Fruit: skin waxy golden, very attractive; flesh flavor mild, subacid; flesh firmer than Golden Delicious; ripens late August, a month or more ahead of Golden Delicious. Tree: vigorous; open spreading; highly productive.

Red of Eger (*Egri piros*). — Orig. in Eger, Hungary, by Kovacs Sandor, Univ. of Hort., Budapest, Hungary. Introd. in 1967. Parentage unknown, disc. in 1960, selected in 1964. Fruit: medium-large; roundish-elongated; skin bright red, waxy, very attractive; flesh snow-white, firm, flavor excellent; ripens first part of Aug. Tree: medium; rounded; vigorous; hardy; productive; tolerant to mildew; self-fertile.

Rose Red Delicious. — Orig. in Tieton, Washington, by S. M. Coke. Introd. approx. 1972. Plant pat. 3,485, Feb. 19, 1974, assigned to H. Barry Rose, Alhambra, California. Parentage unknown, believed to be Starking Delicious. Fruit: typical Delicious shape; skin solid red, colors early; flesh crisp, sweet, flavor good; stores well; ripens late Aug.-early Sept.; good shipping qualities. Tree: semi-dwarf; spreading; vigorous; heavy producer; hardy; tolerant to lead-arsenic toxicity, particularly in old orchard soils.

Schulke Red Delicious. — Orig. in Brewster, Washington, by C. W. Schulke, Wenatchee, Wash. Introd. in 1971. Whole tree mutation of Starking Delicious, disc. in 1962. Fruit: same as Starking Delicious but colors 3-4 weeks earlier. Tree: same as Starking Delicious but more productive.

SpurMac. — Orig. in Casnovia, Michigan, by Mr. and Mrs. Chas. Saur. Introd. in 1973 by Bountiful Ridge Nursery, Princess Anne, Maryland. Parentage unknown, disc. in 1960. Fruit: typical McIntosh, except more evenly colored and firmer, holds and stores better than McIntosh; ripens 1 week after McIntosh. Tree: semi-dwarf, spur-type; vase-formed; vigorous, hardy and productive.

Ultrared Delicious. — Orig. in Thurmont, Maryland, by Russell N. Flanagan, Flanagan Orchards. Introd. in 1974. Plant pat. applied for, to be assigned to Stark Bros. Nurseries & Orchards Co., Louisiana, Missouri. Bud mutation of Starking Delicious, disc. in 1964. Fruit: large; conic; skin thick, tough, smooth, glossy, full red, colors early; flesh juicy, satiny white with yellowish tint, flavor mild; ripens Sept. 20-Oct. 5. Tree: spur-type, semi-dwarf, upright; vigorous, hardy, productive; susceptible to scab and quince rust; tolerant to fireblight.

BLACKBERRY

Black Satin. — Orig. in Carbondale, Illinois, by USDA and Southern Ill. Univ. Introd. in 1974. SIUS 47 (US 1482 \times Darrow) \times Thornfree. Cross made in 1964, selected in 1967 by J. W. Hull, tested as SIUS 64-21-11. Fruit: large; skin black, loses glossiness at maturity; less astringent than Thornfree; ripens 7-10 days later than Dirksen Thornless, 2 weeks earlier than Thornfree. Bush: thornless; semi-erect; hardy; more vigorous and productive than Dirksen Thornless, otherwise very similar.

Cherokee. — Orig. in Fayetteville, Arkansas, by J. N. Moore, Elvin Brown and W. A. Sistrunk, AES. Introd. in 1974. Darrow \times Brazos. Cross made in 1965 by J. N. Moore; selected in 1968; tested as Ark. 531. Fruit: large; skin black, attractive; flesh firm, quality high (including canned and frozen); ripens early, before Raven. Bush: vigorous; erect, even in young plantings; productive; fruit borne high, well adapted to mechanical harvest; suckers freely from root cuttings; prolific plant maker; same reaction to major diseases as Raven and Humble. Adapted throughout Ark.

Comanche. — Orig. in Fayetteville, Arkansas, by J. N. Moore, Elvin Brown and W. A. Sistrunk, AES. Introd. in 1974. Darrow \times Brazos. Cross made in 1965 by J. N. Moore; selected in 1968; tested as Ark. 527. Fruit: very large; skin black, attractive; flesh firm, quality good; ripens 4 days before Cherokee. Bush: erect; vigorous; productive, suckers freely from roots; adapted to mechanical harvest or home gardens; same reaction to major diseases as Raven and Humble. Adapted throughout Ark.

Dirksen Thornless. — Orig. in Carbondale, Illinois, by USDA and Southern Ill. Univ. Introd. in 1974. SIUS 47 (US 1482 \times Darrow) \times Thornfree. Cross made in 1964, selected in 1967 by J. W. Hull, tested as SIUS 64-21-8. Fruit: clusters contain 20 or more large black berries which become slightly dull in appearance at maturity, flavor markedly less astringent than Thornfree; ripens first 2 weeks of July, 3 weeks before Thornfree. Bush: thornless; semi-erect; hardier, more vigorous and more productive than Thornfree; vigorous primocanes of mature plants may grow 12-15 ft. in length and 1½ in. in diam.; does not sucker readily; tolerant to Septoria leaf spot and anthracnose, somewhat tolerant to mildew.

BLUEBERRY

Bluebelle. — Orig. in Tifton, Georgia, by Ga. Coastal Plain Expt. Sta. and USDA. Introd. in 1974. Callaway \times Ethel, cross made in 1946 by G. M. Darrow; selected in 1951 by W. T. Brightwell; tested as T-14. Fruit: large; round; skin light blue; excellent flavor; ripens over a relatively long period beginning in mid-season. Bush: upright; moderately vigorous; productive; self-unfruitful.

Climax. Orig. in Tifton, Georgia, by Ga. Coastal Plain Expt. Sta. and USDA. Introd. in 1974. Callaway \times Ethel; selected by W. T. Brightwell; tested as T-90. Fruit: size medium; skin medium dark blue; flesh good flavor; ripens early over short period, approx. 80% may be harvested at one time, recommended for mechanical harvest. Bush: upright, spreading, with stems originating in a relatively small area; produces only enough new stems to renew plant; self-unfruitful.

Elliott. — Orig. in Beltsville, Maryland, by USDA. Introd. in 1973. Burlington \times US 1 [Dixi \times (Jersey \times Pioneer)]. Cross made in 1947 by George M. Darrow, selected by Arthur Elliott of Otter Lake, Michigan, in 1948 for testing as E-70. Cluster: loose. Berry: size medium; skin light blue; flesh firm, flavor good, mild; ripens late, 7-10 days after Lateblue (extending season), can be machine harvested in 1 or 2 pickings. Bush: vigorous; upright; productive; hardy; shows moderate resistance to *Monilina vaccinii-corymbosi*.

Harrison. — Orig. in Raleigh, North Carolina, by N.C.AES and USDA. Introd. in 1974. Croatan x US 11-93. Cross made in early 1950's at Beltsville, Maryland; selected in 1961 by G. J. Galletta and R. J. Knight near Garland, N.C.; tested as NC 61-3. Fruit: larger and firmer than Morrow and Wolcott; improved color and flavor over other standard vars.; flesh keeps well and has high quality; ripens early-midseason between Croatan and Murphy. Bush: highbush; semi-upright; vigorous; productive, out-yields Morrow and Wolcott 60-300%; self-fruitful; resistant to cane canker and tolerant to bud mite; susceptible to anthracnose. Recommended for areas subject to cane canker caused by *Botryosphaeria corticis*. Named for Gale Harrison in recognition of his cooperation in blueberry breeding.

CHERRY

Vogue. — Orig. in Vineland Station, Ontario, by G. Tehrani and G. H. Dickson, Ontario Ministry of Agr. & Food, Hort. Res. Inst. Introd. in 1974. Parentage unknown; selected in 1940; tested as V35038; originally distributed as a selection from Hedelfingen x Victor; recent compatibility studies show Hedelfingen is not the seed parent of this cultivar; Vogue belongs to incompatibility Group IV (S2S3). Fruit: large; skin dark red, shiny, resistant to cracking; small pit; flesh firm, sweet, quality good; ripens July 19, 1-2 days later than Bing and before Windsor. Tree: large, spreading; very productive, in heavy crop years tends to set in bunches and requires careful spraying for brown rot control.

CHESTNUT

Eaton. — Orig. in Wallingford, Connecticut, by Arthur H. Graves and Richard A. Jaynes, Conn. AES. Introd. in 1970. Open-pollinated sdg. of *C. mollissima* hybrid. Disc. in 1966. Nut: large, 11-14 g; kernel sweet; matures 2 weeks before Crane, Nanking and Orrin. Tree: productive and regular bearer.

CITRUMELO

Swingle. — Orig. in Eustis, Florida, by Walter T. Swingle. Introd. in 1974. *Citrus paradisi* x *Poncirus trifoliata*; cross made in 1907; tested as CPB 4475. Used only as a rootstock: sdgs. vigorous and uniform in nursery; budded trees grow slower than trees on sour orange, especially during winter months; tolerant of tristeza, exocortis, and xyloporosis viruses, and footrot (*Phytophthora parasitica*). Salt tolerant and cold resistant. Asexually reproduced by seed which is 95% polyembryonic. Very satisfactory for grapefruit; only limited trials with oranges.

GRAPE

Fiesta. — Orig. in Fresno, California, by USDA. Introd. in 1973. (Calmeria x 43-13N) x [(Cardinal x Sultanina) x 43-13S]. 43-13N and 43-13S selections have the parentage: (Red Malaga x Tifafihi Ahmer) x (Muscat of Alexandria x Sultanina). Cross made in 1965, first fruited in 1968, selection made by J. H. Weinberger and F. N. Harmon, tested as F18-94 in cooperation with Calif. State Univ., Fresno. Cluster: medium-large, usually not compact. Berry: medium; oval, but rounder than Thompson Seedless; skin white, tender; flesh seedless, flavor good; ripens 10-14 days before Thompson Seedless; recommended for raisins which are slightly larger, plumper, meatier and more attractive than Thompson Seedless. Vine: vigor moderate; leaves darker color, tend to curl less and more serrated than Thompson Seedless; must be cane pruned for maximum yield; berry set has been heavier on own-rooted vines, but vigor is greater on vine grafted rootstock.

Flame Seedless. — Orig. in Fresno, California, by USDA. Introd. in 1973. [Cardinal x Sultanina] x [(Red Malaga x Tifafihi Ahmer x (Muscat of Alexandria x Sultanina))]. Cross made in 1961, first fruited in 1964, selected by J. H. Weinberger and F. N. Harmon, tested as F32-137 in cooperation with Calif. State Univ., Fresno Foundation. Cluster: medium, conical, berries well-spaced. Berry: small, round; skin bright red, attractive at Fresno and Bakersfield, did not develop color well at Indio due to high temperature conditions; flesh firm, crisp, flavor excellent, seedless; ripens before Thompson Seedless, about with Perlette. Vine: vigor moderate; very productive when cane pruned and on Harmony rootstock; responds well to girdling and gibberellin treatment.

Freedom. — Orig. in Fresno, California, by USDA in cooperation with Calif. State Univ., Fresno Foundation. Introd. in 1974. Sdg. (59) of Couderc 1613 x sdg. (5) of Dog Ridge. Cross made in 1956, selected in 1957 by J. H. Weinberger and F. N. Harmon, tested as

91-102. Rootstock: more vigorous than Harmony but less vigorous than Ramsey (Salt Creek) and Dog Ridge; tolerance to rootknot nematode and phylloxera same as Harmony, neither immune.

Ventura. — Orig. in Ontario, Canada, by O. A. Bradt, Hort. Res. Inst., Vineland Sta. Introd. in 1974. Chelois (Seibel 10878) x Elvira. Cross made in 1951, selected in 1959, tested as Vineland 51061. Cluster: size medium, medium compact usually shouldered. Berry: small, round; skin white, resistant to cracking; flesh somewhat astringent; ripens Sept. 30 (few days before Concord) with soluble solids 18.1 titratable acidity 1.37 and pH 3.01. Recommended for a quality dry white wine. Vine: vigorous, hardy and very productive; tolerant to mildew.

MANDARIN

Bower. — Orig. in Texas, by USDA and Texas AES, Weslaco, Tex. Introd. in 1973. Clementine mandarin x Orlando tangelo. Cross made in 1942 in Orlando, Florida; tested since 1955 in Crystal City, Tex. and Edcouch, Tex.; selected by H. K. Wutscher (USDA) and N. P. Maxwell (Texas AES). Fruit: medium-large, about 3 in. in diam.; base and apex slightly depressed; rind deep orange at maturity, thin, slightly bumpy, peels easily, severe creasing at the apex in Fla., but not in Tex.; flesh deep orange, juicy, high acidity, good blending qualities, flavor pleasant, 13-15 segments, 25-40 seeds. Tree: upright, spreading; vigorous; hardy; highest yields have been on Morton citrange rootstock; needs pollinator.

NECTARINE

Bright. — Orig. in Le Grand, California, by F. W. Anderson, Merced, Calif. Introd. in 1974. Plant pat. 3,329, May 8, 1973, assigned to Arthur Bright, Le Grand, Calif. Cross of 2 unnamed dwarf sdgs. Fruit: large-medium; globose; skin yellow, blushed with red over approx 70%; flesh yellow with red at pit cavity, freestone; good shipping qualities, for long distances, intended to compete with fruit from standard size trees; resembles Golden Prolific ripening 1 mo. before, about with Red Haven peach. Tree: dwarf, 5-8 ft.; vigor moderate; productive; leaf glands reniform; flower large, showy.

Fairlane. — Orig. in Fresno, California, by USDA. Introd. in 1973. (Le Grand x Sun Grand) x Fantasia. Cross made in 1966, first fruited in 1969 and selected by J. H. Weinberger, tested as F-94-98. Fruit: large; oval; skin bright yellow ground color, slightly redder than Flamekist; flesh yellow, firm, smooth texture, flavor good, clingstone; ripens immediately after Flamekist, fruits sometimes drop prior to maturity. Tree: vigorous; productive; flower self-fertile, large; leaf glands reniform.

Red Free. — Orig. in Le Grand, California, by F. W. Anderson, Merced, Calif. Introd. in 1973. Plant pat. 3,328, May 8, 1973, assigned to Reedley Nursery, Inc., Reedley, Calif. Red Grand x Early Sungrand. Selected in 1970, tested as Anderson 25P 190. Fruit: medium; round to oblong; skin completely covered with red blush at maturity, medium thick, no cracking; flesh yellow with red at pit cavity streaked into flesh, firm, freestone; compared to Sun Grand, larger, brighter red, ripening 10 days later, extending the shipping period; good shipping qualities. Tree: medium, spreading-open; vigorous; very productive; leaf glands reniform; flower large, showy.

Sunburst. — Orig. in Le Grand, California, by F. W. Anderson, Merced, Calif. Introd. in 1973. Plant pat. 3,330, May 8, 1973, assigned to Stark Bro's Nurseries and Orchards Co., Louisiana, Missouri. Cross between 2 unnamed genetic dwarf sdgs. Selected in 1967. Fruit: size medium; uniform, symmetrical, globose; skin yellow, substantially overspread with red, glossy; flesh firm, crisp, yellow with red at pit cavity; good shipping quality, recommended for long distances, intended to compete with fruit from standard size trees; resembles Golden Prolific, differentiated by its clingstone fruit, globose leaf glands, and ripens 1 mo. sooner. Tree: dwarf, short internodes; vigorous, spreading; regular and productive bearer; flower large, self-fertile.

PEACH

Bells November (King Edward). — Orig. unknown. Introd. approx mid-1930's. Parentage unknown. Fruit: size medium; round; skin greenish ground color with 60% covered with red blush; flesh melting, texture too soft for good handling, freestone; ripens early, end of Oct. in South Africa. Tree: large, spreading; vigorous; productive, needs thinning; low chilling requirement; flowers from Apr. to end of July, non-showy. A parent of Albatros (List 28).

Flamecrest. — Orig. in Fresno, California, by USDA. Introd. in 1973. Fayette × 109-96 [(Southland × FV89-14) × (J. H. Hale × Rio Oso Gem)]. FV89-14 is [(Fireglow × Hiley) × Fireglow]. Cross made in 1965, selected in 1968 by J. H. Weinberger. Fruit: large, but not as large as Suncrest; round; skin bright yellow covered with 50% red blush, pubescence light, more attractive and smoother than Suncrest; flesh yellow, firm, smooth-textured, flavor good, freestone; ripens early July, latter part of Suncrest season. Tree: vigorous; productive; flower self-fertile, large; leaf glands reniform; medium chilling requirement.

Safari. — Orig. in Roodeplaat, Pretoria, South Africa, by Edward P. Evans, Hort. Res. Inst. Introd. in 1974. Selfed sdg. of Moreira Jubilee. Cross made in 1960, selected in 1963, tested as 6-62. Fruit: large; round-oval; skin yellow ground color, 60% covered with red blush, very attractive, pubescence slight; flesh yellow, melting, firm, flavor slightly tart; freestone; ripens early Dec. Tree: large; vase-shaped; vigorous; moderately productive; thinning required; late flowering; low chilling requirement, approx 500 hrs.; flower non-showy; leaf glands reniform.

Taylor Queen. — Orig. in Griffith, New South Wales, by Hort. Res. Sta., Dept. of Agr., New South Wales. Introd. in 1968. Chance sdg. of Golden Queen. Fruit: large; ovate, long tip; skin golden with little or no red blush, pubescence moderate; flesh golden, no red at pit, no green shoulder, flavor and texture good, clingstone; processes well, recommended for canning; ripens approx Apr. 4. Tree: size medium, erect; very productive; flower large, showy, pale pink.

PEAR

General Leclerc. — Orig. near Paris, France, by Nomblot Nursery and Institut National de la Recherche Agronomique, Angers, France. Parentage unknown, but probably open-pollinated sdg. of Doyenne du Comice; disc. in 1950. Fruit: size medium to large; short pyriform; skin thick, fairly tough, deep yellow almost overlain with russet; flesh texture fine, melting, juicy, flavor sweet-subacid, quality outstanding; ripens a few days before Doyenne du Comice; recommended for fresh market. Tree: upright, then spreading; moderately vigorous; very productive; tolerant to scab, drought and high temperatures; strong tendency to parthenocarp; compatible with quince rootstocks.

Manning-Miller. — Orig. in Potsdam, New York, on farm of Samuel Miller, but previously owned by the Manning family. Introd. in 1974 by St. Lawrence Nurseries, Heuvelton, N.Y. Parentage unknown, believed to have originated from seed sent by Robert Manning of Massachusetts. Fruit: 3½ in. long × 3 in. wide; pyriform; skin smooth, green to yellow, no russetting or blush; flesh white, smooth, sweet, juicy, flavor good; ripens Sept. 1-7 in N.Y. Tree: medium-large; vigorous; hardy, withstanding -40°F; annual bearer; shows tolerance to blight and scab.

Spartlet. — Orig. in Farmington, Michigan, by Edward Palacky. Introd. in 1973. Plant pat. applied for, to be assigned to Hilltop Orchard and Nursery Co., Hartford, Mich. Chance sdg. of Bartlett. Disc. in 1963, tested since 1964 as 'Bartlett-x' by Mich. State Univ. and Gerber Products Co. Fruit: larger than Bartlett, with large basal end; skin smooth, green-yellow at maturity, often with a bright scarlet blush on exposed side, dotted with numerous pin-pointed russet lenticels; flesh aromatic, fine-grained to granular in non-ripened state, smooth to buttery and slightly fibrous when fully ripened, quality rated closely to Bartlett but slightly coarser; ripens mid-Sept., 12 days after Bartlett; has stored well until mid-Feb. at 31°F; makes acceptable packs of puree and sliced canned halves. Tree: large, spreading to upright; moderately vigorous; hardy; productive; shows more tolerance to fireblight than Bartlett. Recommended as a complementary choice to Bartlett not as an alternate. The name is a connotation of Bartlett and Spartan, the Mich. State Univ. athletic teams.

PECAN

GraBohls. — Orig. near Austin, Texas, by H. C. Bohls (deceased). Introd. in 1973. Plant pat. 3,434; Jan 15, 1974; assigned to O. S. Gray, Arlington, Tex. Parentage unknown; tested as Mary. Nut: 38-40 per lb.; shell very thin, light brown with purplish stripes; kernel 60% or more of nut; harvested Oct.-Nov. Tree: very precocious; unusually high productivity; susceptible to pecan scab under humid conditions; should be grown under irrigation for well-filled nuts.

Monticello Seedling. — Orig. in Monticello, Florida, by Monticello Nursery Co. Introd. in 1956, distributed by mistake as Mahan-Stuart (10-70% of this var. occurs in Mahan-Stuart orchards). Parentage

unknown. Nut: medium, 7.5 g; shell medium thick; kernel 50-55% of nut, well-filled, bright; ripens with Curtis. Tree: slightly upright; annual and heavy producer, precocious; tolerant to scab and other leaf diseases.

Murrhee. — Orig. in Stark, Florida, in a Mr. Murrhee's orchard. Brought to the attention of Univ. of Fla. in 1969 by J. W. Wainwright, Stark, Fla. Presumed to be an older var. Parentage unknown. Nut: small-medium; shell thin; kernel 50% of nut, higher than average for central Fla. Tree: precocious, prolific and annual bearer; tolerant to scab.

Tejas. — Orig. in Brownwood, Texas, by L. D. Romberg and G. D. Madden, USDA. Introd. in 1973. Mahan × Risien 1. Cross made in 1944, first fruited in 1949, extensive testing as 44-10-293 since 1967. Nut: excellent cracking and shelling qualities for commercial equipment; size medium, 50-75 per lb.; shell medium thick; kernel separates readily from the corky internal shell, high percentage of whole halves, 50-56% of nut; matures Oct. 10 at Brownwood. Tree: extremely vigorous; strong crotch angles; precocious and highly productive; foliage dark green and dense, making a good dooryard var.; pollen shedding and stigma receptivity extend over long period; Western Schley, Cheyenne, Caddo, Cape Fear, Desirable or Cherokee make good pollinators; intensive orchard care needed.

PERSIMMON

Meader. — Orig. in Rochester, New Hampshire, by Elwyn M. Meader (Prof. retired, Univ. N.H.). Introd. in 1974 by Louis Gerardi Nursery, O'Fallon, Illinois. Open-pollinated sdg. of Garretson, seed supplied by George L. Slate, Geneva, New York, selected in 1961 by Prof. Meader. Fruit: larger than Garretson when pollinated; skin orange color, thin; flesh firm, sweet, texture smooth and free of astringency when ripe, quality high; mostly parthenocarpic, but bears seeded fruits when pollinated; ripens early. Tree: hardy to -25°F; highly productive; similar to Early Golden, Killen and Garretson; flowers nearly all pistillate, but some occasionally staminate as with Garretson. Recommended for central and northern U.S.

PLUM

Black Kelsey. — Orig. near Fresno, California, by John M. Garabedian. Introd. in 1970. Plant pat. 3,154, May 9, 1972, assigned to Superior Farming Co., Bakersfield, Calif. Var. resulted from open-pollination of Kelsey, Queen Ann, or Mariposa. Fruit: large, uniform; shape like Kelsey; stem ½ in. in length; skin thick, tough, bitter, tenacious to flesh, smooth with excellent resistance to shriveling, dark purple, nearly black when fully ripe; bloom bluish gray, heavy; dots numerous, small yellowish; flesh brilliant red, mild, vinous, firm, fine, crisp to meaty; stone semi-free, generally large, eating quality very good. Tree: size medium; vigorous; substantially upright but spreading and open with density determined by pruning methods; hardy; productive; regular bearer; ripens with Kelsey.

RASPBERRY

Augustred. — Orig. in Durham, New Hampshire, by A. F. Yeager (deceased) and E. M. Meader, AES. Introd. in 1973. NH R7 [Durham × NH 102 (dwarf F2 sdg. × Taylor)] × N.Y. 287 [N.Y. 18810 (Marcy × Indian Summer) × N.Y. 20990 (wild *Rubus strigosus* selection)]. Cross made in mid-1950's, selected in 1960, tested as NH 64-3. Fruit: red; size medium; round-elongated; skin bright, attractive; flesh flavor good, soft; ripens late July-Aug. on primocanes, filling the gap when other vars. not bearing. Bush: short, erect; primocanes often branched; precocious bearing, productivity moderate; needs nitrogen fertilization; should be planted as a stop gap var.; overwintered canes can be removed before active growth in spring; hardy; recommended for northern states.

Jewel. — Orig. in Geneva, New York, by N.Y. AES. Introd. in 1973. N.Y. 29773 (Bristol × Dundee) × Dundee. Cross made in 1954 by G. L. Slate, selected in 1957, tested as N.Y. 628. Fruit: large; skin black, glossy, slightly wooly, coherent; flesh firm, quality good; ripens mid-season, concentrated ripening habit (2-3 pickings). Bush: vigorous; erect; hardy; productive; slightly susceptible to mildew.

STRAWBERRY

Darrow. — Orig. in Beltsville, Maryland, by USDA and Md. AES. Introd. in 1974. Md-US 2713 (Redglow x Surecrop) x Md-US 2787 (Md-US 2359 x Md-US 2101). Cross made in 1963, sdgls. grown in Salisbury, Md. in 1964, selected in 1965 by D. H. Scott, I. C. Haut and A. D. Draper. Fruit: medium-large; secondary berries symmetrical conic; skin tough, deep red, glossy, flesh very firm, handles well, uniform red, flavor good, not as tart as Surecrop; good for frozen pack; ripens 2-3 days later than Earldawn, 3-5 days before Surecrop. Plant: very productive; medium vigor; produces moderate number of runners; tolerant to 5 races of red stele root rot, moderately tolerant to *Verticillium* wilt, leaf scorch, mildew and leaf spot. Recommended for areas where red stele root rot may be a problem and where early ripening is desired. Named in honor of Dr. George M. Darrow, former Head of Small Fruit Investigations, USDA.

Delite. — Orig. in Carbondale, Illinois, by USDA and Southern Ill. Univ. Introd. in 1974. Albritton x MDUS 2650. Cross made in 1958, selected in 1961 by R. C. Blake, tested as SIUS 169. Fruit:

medium-large, cone shaped; skin bright red, glossy; flesh pink, moderately firm, flavor slightly acid, aroma and quality good; calyxes medium size; ripens 5-7 days later than Surecrop. Plant: vigorous, produces runners freely; productive; tolerant to at least 5 races of red stele root rot, *Verticillium* wilt, leaf spot and leaf blight. Recommended for the south-central U.S. where red stele root rot and *Verticillium* wilt are problems.

Olympus. — Orig. in Puyallup, Washington, by Bruce H. Barritt and C. D. Schwartz, Western Wash. Res. and Ext. Center, Wash. State Univ. Introd. in 1973 Molalla x Columbia; cross made in 1960; selected in 1963; tested as WSU 1142. Fruit: medium large, similar to Northwest but smaller than Hood; short conic; skin bright red, tender; seeds sunken; flesh bright red throughout, flesh firmness equal to Northwest; low susceptibility to *Botrytis* fruit rot; calyx very easily removed, reflexed; ripens with Northwest; very high yield of marketable fruit, recommended for processing industry of Pacific Northwest. Plant: extremely vigorous; prolific producer of branch crowns; shy runner producer; resistant to several races of red stele root rot; virus tolerant; foliage susceptible to mildew.

PATENTED VARIETIES		
Patent number	Varietal name	
3,045	Erligon, apple	Darrow, strawberry
3,154	Black Kelsey, plum	Delite, strawberry
3,293	Sauret #1, almond	Dirksen Thornless, blackberry
3,294	Sauret #2, almond	Eaton, chestnut
3,297	Autumn Brite, plum	Egri puros, apple
3,328	Red Free, nectarine	syn. of Red of Eger
3,329	Bright, nectarine	Elliott, blueberry
3,330	Sunburst, nectarine	Erligon, apple (addendum)
3,390	Mor-Spur McIntosh, apple	Fairlane, nectarine
3,413	Treasure, peach	Fiesta, grape
3,434	GraBohls, pecan	Flamecrest, peach
3,485	Rose Red Delicious, apple	Flame Seedless, grape
3,488	Priscilla, apple	Freedom, grape
3,505	Criterion, apple	Fruitland Delicious, apple
		Garonnet, grape (revision)
		General Leclerc, pear
		Goldrich, apricot (revision)
		GraBohls, pecan
		Harrison, blueberry
		Jewel, raspberry
		King Edward, peach
		syn. of Bells November
		Manning-Miller pear
		Meader, persimmon
		Monticello Seedling, pecan
		Mor-Spur McIntosh, apple (revision)
		Murrhee, pecan
		Olympus, strawberry
		Ozark Gold, apple
		Plantlet, grape (revision)
		Priscilla, apple (addendum)
		Raikes McIntosh, apple
		syn. of Mor-Spur McIntosh
		Rayon D'Or, grape (revision)
		Red Free, nectarine
		Red of Eger, apple
		Rose Red Delicious, apple
		Roucanneuf, grape (revision)
		Rubilande, grape (revision)
		Safari, peach
		Sauret #1, almond
		Sauret #2, almond
		Schulke Red Delicious, apple
		Seibel 4986, grape
		syn. of Rayon D'Or
		Seibel 5279, grape
		syn. of Aurore
		Seibel 5455, grape
		syn. of Plantlet
		Seibel 8357, grape
		syn. of Colobel
		Seibel 8745, grape
		syn. of Seinoir
		Seibel 10878, grape
		syn. of Chelois
		Seibel 11803, grape
		syn. of Rubilande
		Seibel 14596, grape
		syn. of Bellandais
		Seinoir, grape (revision)
		Seyval, grape (revision)
		Seyve-Villard 5-276, grape
		syn. of Seyval
		Seyve-Villard 12-309, grape
		syn. of Roucanneuf
		Seyve-Villard 12-375, grape
		syn. of Villard blanc
		Seyve-Villard 18-283, grape
		syn. of Garonnet
		Seyve-Villard 23-657, grape
		syn. of Varousset
		Spartlet, pear
		SpurMac, apple
		Starkspur McIntosh, apple (addendum)
		Sunburst, nectarine
		Swingle, citrumele
		Taylor, Queen, peach
		Teepee, sandcherry
		syn. of Teepee
		Tejas, pecan
		Tepee, sandcherry (revision)
		Treasure, peach (addendum)
		Ultrared Delicious, apple
		Varousset, grape (revision)
		Ventura, grape
		Villard blanc, grape (revision)
		Vogue, cherry

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Colobel, grape (revision)
Comanche, blackberry
Criterion, apple (addendum)