

Vegetable Cultivar Descriptions for North America

List 25

1999

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Crop listings: melon, okra, onion, pea-green, pepper, potato, pumpkin, radish, rutabaga, shallot, southernpea, spinach, squash, sweetcorn, sweetpotato, Swiss chard, tomato, turnip, watermelon

This list of the North American vegetable cultivars was developed using the database of cultivars registered with the American Seed Trade Association, as well as published descriptions from scientific journals and seed catalogs. Assistant editors responsible for each crop were instructed to obtain as much information as possible about the cultivars available to North American growers. The crop species are listed alphabetically, with cultivars listed alphabetically within each of those.

The information about each cultivar is presented in a standard format that includes the cultivar name, experimental designation, breeder, vendor, parents, plant characteristics, disease and other resistances, similar cultivars, areas of adaptation, plant variety protection information, and year of release. In many cases, complete information was not available for the cultivars included in the list. Cultivars listed here were generally released since 1988, when the last vegetable cultivar list was assembled by Tigchelaar (22).

Previous vegetable cultivar lists have been published (1–22) in this journal, and its predecessor.

1. Anonymous. 1954. New vegetable varieties list I. Proc. Amer. Soc. Hort. Sci. 63:503–525.
2. Anonymous. 1955. New vegetable varieties list II. Proc. Amer. Soc. Hort. Sci. 65:493–511.
3. Anonymous. 1956. New vegetable varieties list III. Proc. Amer. Soc. Hort. Sci. 67:587–609.
4. Anonymous. 1957. New vegetable varieties list IV. Proc. Amer. Soc. Hort. Sci. 69: 574–587.
5. Anonymous. 1958. New vegetable varieties list V. Proc. Amer. Soc. Hort. Sci. 71:591–600.
6. Anonymous. 1960. New vegetable varieties list VI. Proc. Amer. Soc. Hort. Sci. 75:842–850.
7. Anonymous. 1961. New vegetable varieties list VII. Proc. Amer. Soc. Hort. Sci. 77:648–653.
8. Anonymous. 1963. New vegetable varieties list VIII. Proc. Amer. Soc. Hort. Sci. 82:652–660.
9. Anonymous. 1964. New vegetable varieties list IX. Proc. Amer. Soc. Hort. Sci. 84:665–673.
10. Minges, P.A. 1965. New vegetable varieties list X and XI. Proc. Amer. Soc. Hort. Sci. 86:824–845.
11. Minges, P.A. 1966. New vegetable varieties list XII. Proc. Amer. Soc. Hort. Sci. 88:718–726.
12. Minges, P.A. 1966. New vegetable varieties list XIII. Proc. Amer. Soc. Hort. Sci. 88:727–732.
13. Minges, P.A. 1967. New vegetable varieties list XIV. Proc. Amer. Soc. Hort. Sci. 90:567–569.
14. Minges, P.A. 1968. New vegetable varieties list XV. Proc. Amer. Soc. Hort. Sci. 92:823–840.
15. Barnes, W.C. 1969. New vegetable varieties list XVI. HortScience 4:65–69.
16. Barnes, W.C. 1970. New vegetable varieties list XVII. HortScience 5:146–149.

17. Barnes, W.C. 1971. New vegetable varieties list XVIII. HortScience 6:124–127.
18. Lower, R.L. 1973. New vegetable varieties list XIX. HortScience 8:465–470.
19. Lower, R.L. 1975. New vegetable varieties list XX. HortScience 10:467–470.
20. Tigchelaar, E.C. 1980. New vegetable variety list XXI. HortScience 15: 565–578.
21. Tigchelaar, E.C. 1986. New vegetable variety list 22. HortScience 21:195–212.
22. Tigchelaar, E.C. 1991. New vegetable variety list 23. HortScience 26:343–357.

MELON

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Alienor.—Breeder: Vilmorin. Characteristics: charentais type slightly netted to netted, monoecious with excellent eating quality and very good shelf life; vigorous plant with good foliage development, spherical to oblong fruit, green-gray skin, well ribbed, excellent uniformity of size, average weight 700–900 g. Resistance: fusarium wilt races 0, 1, 2. 1987.

AllStar (HXP3587).—Breeder: T. Superak. Vendor: Harris Moran. Characteristics: shipping melon adapted to southern and eastern environments, high yields, disease resistance, good melon quality and good fruit size. Similar: Magnum 45. 1985.

Alwaha (FMX44).—Breeder: H. Sakamoto. Vendor: Ferry-Morse. Characteristics: a more completely netted Ananas type with large size, yellow-orange color, excellent taste and aroma; vigorous vines with good cover. Similar: Ananas. 1985.

Anasta (XPH 6115).—Breeder and vendor: Asgrow. Characteristics: fruit oval-round, weight 1.5 kilos, rind slightly netted, flesh greenish-yellow when mature. Resistance: powdery mildew and fusarium wilt races 0, 1, 2. Similar: Ananas. 1993.

Aquila (XPH6244).—Vendor: Asgrow. Characteristics: round western shipper that produces a very pronounced net under extreme heat stress conditions. Resistance: fusarium wilt. Similar: Caravelle. 1995.

Aragon (XPH 5094).—Breeder and vendor: Asgrow. Characteristics: a western shipper type, round sutureless, small seed cavity, even close net, makes size under stress conditions. Similar: Laguna. 1986.

Argonaut (NVH886).—Breeder and vendor: Northrup King. Characteristics: slight oval melon with a heavy net covering sutures; dark orange flesh. Resistance: powdery mildew 1, 2; fusarium wilt races 0, 2. 1989.

Aurora (AC68-52).—Breeder: J. Norton. Vendor: Auburn Univ. Characteristics: large fruit, high quality, orange flesh color. Resistance: gummy stem blight, downy mildew, powdery mildew. Similar: Planters Jumbo. 1984.

¹Individuals knowing of new cultivars to add to the list, or corrections to be made in the published lists are encouraged to contact T.C.W. (todd_wehner@ncsu.edu). The assistance of Robert Falasca, American Seed Trade Association, is gratefully acknowledged.

- Big Daddy.**—Breeder: P. Yorty. Vendor: Musser. Characteristics: large, vigorous plants; fruit have a medium net with thick, pale orange flesh, fruit avg. 6–8 lb and are basically round. Similar: Hales Best Jumbo. 1982.
- Buccaneer (NVH 877).**—Breeder and vendor: Northrup King. Characteristics: fruit are slightly oval, 6–6.5", moderate sutures, fine netting covers the fruit, thick flesh is bright orange, matures in ≈76 days, home garden, truck farm type. Resistance: powdery mildew, downy mildew. Similar: Supermarket. 1983.
- Camelot (XPH 5099).**—Breeder and vendor: Asgrow. Characteristics: large fruited, heavily ribbed and netted, early with high sugar content. Similar: Summet, Supermarket. 1985.
- Cameo (XPH5361).**—Breeder and vendor: Asgrow. Characteristics: early, sutured, eastern U.S.-type muskmelon weighing up to 7 lb, slightly elongated; fine flavor, deep orange color. Similar: Supermarket. 1989.
- Carnival (SME 8501).**—Breeder and vendor: Sakata. Characteristics: crenshaw with sweeter flesh. Resistance: powdery mildew and fusarium. Similar: Crenshaw.
- Casablanca (PSX001155).**—Breeder and vendor: Petoseed. Characteristics: soft textured, white flesh with faint orange around seed cavity, oval shape, dark green rind turning yellowish at maturity; high sugar content; midseason maturity. Resistance: powdery mildew. Similar: other Mediterranean types. 1993.
- Castella (Nun7949).**—Breeder: Nunhems Zaden. Characteristics: long shelf life, early maturity, fruit weight 1.5–1.6 kg, netted and sutured, orange flesh, very sweet. Resistance: fusarium wilt races 0, 2, powdery mildew. Similar: Fiata. 1991.
- Castle Rock (5004).**—Breeder: F. Angell. Vendor: ARCO. Resistance: powdery mildew. Similar: Topmark. 1987.
- Challenger (NVH 882).**—Breeder and vendor: Northrup King. Characteristics: sutureless round oval fruit, well netted, firm flesh, small cavity, midseason maturity, shipper type. Resistance: powdery mildew races 1, 2; some downy mildew. Similar: Imperial 45, Topmark, Perlita. 1983.
- Chando (XPH9042).**—Breeder and vendor: Asgrow. Characteristics: early maturity, Galia type, high sugar content, fruit 3 lb weight; green flesh, yellow sparsely netted exterior. Similar: Galia. 1990.
- Clipper.**—Breeder and vendor: Nunhems. Characteristics: long shelf life, medium early, orange flesh, fruit weight 0.8–1.0 kg, high sugar. Resistance: fusarium wilt races 0, 1, 2. 1992.
- Columbia (NVH 876).**—Breeder and vendor: Northrup King. Characteristics: slightly oval fruit, 5–5.5", moderate sutures, well netted; medium-orange thick flesh, very good flavor, maturity ≈76 days, home garden truck farm type. Resistance: powdery mildew, downy mildew. Similar: Supermarket. 1983.
- Concorde (XPH 921).**—Breeder and vendor: Asgrow. Characteristics: high yield uniform fruit. Similar: Charantais. 1987.
- Conqueror (NVH 875).**—Breeder and vendor: Northrup King. Characteristics: slightly oval fruit, 5.5 x 6", fine netting and slight suture, medium-orange thick flesh, normal vine, 76 day maturity, home garden, truck farm type. Resistance: powdery mildew, downy mildew. Similar: Supermarket. 1983.
- Conquistador (GSV 83-92).**—Breeder: Goldsmith. Vendor: Northrup King. Characteristics: early maturing, fruit are oval, deep sutured, coarse netted; fruit 3.5–4 lb weight, sweet firm, orange closed flesh. Similar: Early Dawn. 1983.
- Cortez (XPH 5098).**—Breeder and vendor: Asgrow. Characteristics: early maturity, large-fruited, sutured melon, pink flesh, with a small core; for areas where earliness and 4 lb+ size is needed. Similar: Planters Jumbo. 1985.
- Creme de Menthe (Sunex 7049).**—Breeder and vendor: Sunseeds. Characteristics: very productive honeydew, tremendously vigorous plant. Resistance: powdery mildew. 1994.
- Cristobal (XPH6005).**—Breeder and vendor: Asgrow. Characteristics: like Mission in fruit size, shape, and netting with robust vine. Full-netted, nonsutured western shipper. Resistance: fusarium wilt race 2. Similar: Mission. 1992.
- Cruiser (HMX6596).**—Breeder and vendor: Harris Moran. 1992.
- Daniel (NUN 8961).**—Breeder and vendor: Nunhems. Characteristics: Piel de Sapo type, high sugar content, fruit weight 2.0–3.5 kilos, greenish white flesh. Resistance: fusarium wilt races 0, 1. Similar: Piel de Sapo. 1992.
- Daybreak (HMX 8580).**—Breeder: B. Copes. Vendor: Harris Moran. Characteristics: large sized, early maturity, very uniform round shape, green flesh. Resistance: fusarium wilt races 0, 2 and powdery mildew. Similar: Morning Ray.
- Debonaire (XPH6119).**—Breeder and vendor: Asgrow. Characteristics: very early, large muskmelon with fine netting and sutures. Resistance: fusarium wilt race 2. Similar: Superstar. 1994.
- Delada (Nun 8984).**—Breeder and vendor: Nunhems Zaden. Characteristics: very uniform, round, netted, average fruit weight 0.9–1.1 kg. Resistance: fusarium wilt races 0, 2. Similar: Galia. 1991.
- Deltex (Num 6275).**—Breeder and vendor: Nunhems Zaden. Characteristics: round, oval, netted fruit, white flesh, vigorous growth, average fruit weight 1.3–1.4 kg, nonsutured. Resistance: fusarium wilt races 0, 2. 1992.
- Don Carlos (XPH 6245).**—Breeder and vendor: Asgrow. Characteristics: like Mission, but slightly larger fruit, robust vine. Resistance: fusarium wilt. Similar: Mission.
- Don Domingo (XPH6110).**—Breeder and vendor: Asgrow. Characteristics: large, main season western shipper. Resistance: powdery mildew. Similar: Durango. 1994.
- Dorado (PSX1087).**—Breeder and vendor: Petoseed. Characteristics: excellent quality fruit, early maturity, large size. Resistance: fusarium wilt, powdery mildew. Similar: Jaune Canary. 1990.
- Dro Dulce (XPH6078).**—Breeder and vendor: Asgrow. Characteristics: like Honey in size and shape, but skin flesh is cream colored with relatively small seed. Similar: Honey. 1993.
- Duro.**—Breeder and vendor: Shamrock. Characteristics: large fruited, shipper hybrid; a full net melon with no sutures. Similar: Topmark. 1988.
- Earlgold F1 (EX-29-6A).**—Breeder and vendor: Hollar. Characteristics: 5 days earlier than Goldstar, jumbo type melon. 1985.
- Earlmark F1 (SSI27).**—Breeder and vendor: Hollar. Characteristics: tolerant to sulfur. Resistance: powdery mildew. Similar: Topmark. 1985.
- Early Eastern Shipper (H-22545).**—Breeder and vendor: ARCO. Characteristics: early PMR 45 type with muskmelon flavor. Resistance: powdery mildew, fusarium wilt. Similar: PMR 45. 1987.
- Early Sugarshaw.**—Breeder and vendor: Petoseed. Characteristics: early maturity, ≈85 days, 8–9 lb melons similar to open pollinated Crenshaw melons, orange flesh; green rind, no net, no sutures, turns yellowish. Similar: Crenshaw. 1992.
- Eastern Star.**—Breeder: P. Yorty. Vendor: Musser. Characteristics: large size, early midseason maturity, thick flesh of high quality, distinct ribs. 1987.
- Eclipse (PSX103292).**—Breeder and vendor: Petoseed. Resistance: powdery mildew race 1, fusarium wilt race 2. Similar: Saticoy. 1994.
- Emerald.**—Breeder and vendor: Shamrock. Characteristics: smooth rind. Resistance: powdery mildew. Similar: Honey Dew Green Flesh. PVP. 1988.
- Espana (SSC 3146).**—Breeder and vendor: Shamrock. Characteristics: hybrid Piel de Sapo type with improved uniformity and yield. Resistance: fusarium wilt, verticillium. Similar: Piel de Sapo. 1993.
- Explorer (NVH 881).**—Breeder and vendor: Northrup King. Characteristics: round oval fruit with well-netted sutures; firm, sweet, bright-colored flesh; midseason maturity, shipper type. Resistance: powdery mildew races 1, 2; downy mildew. Similar: Tam Uvalde, Mainstream, Perlita. 1983.
- Fanfair (XPH6117).**—Breeder and vendor: Asgrow. Characteristics: typical muskmelon fruit in general appearance, but distinctly round with ribs and sparse netting. Resistance: fusarium wilt. Similar: Summet. 1994.
- Fastbreak (PSX103390).**—Breeder and vendor: Petoseed. Characteristics: very early maturing, large fruited, high quality muskmelon for eastern U.S. markets and home gardening. Has corky net and deep sutures. Resistance: fusarium wilt race 2. Similar: Early Gold. 1994.
- Fiola (Nun7009).**—Breeder and vendor: Nunhems. Characteristics: Vauclusien type cantaloupe with long shelf life; netted Fiata type, oval shape, netted sutures, orange flesh with high sugar content,

medium early, average fruit weight 1.4–1.6 kg. Resistance: fusarium wilt races 0, 2 powdery mildew. Similar: Fiata. 1991.

Fore Runner (SSC3109).—Breeder and vendor: Shamrock. Characteristics: large, early maturing cantaloupe with a strong vine cover, tight seed cavity, and high productivity. Resistance: sulfur, powdery mildew, fusarium wilt. Similar: Scout. 1992.

Galexia (XPH 6018).—Breeder and vendor: Asgrow. Characteristics: fruit slightly netted, oval round, weighs ≈1.5 kg, flesh light green, aromatic and sweet. Resistance: powdery mildew. Similar: Galia. 1993.

Galleon (XPH5363).—Breeder and vendor: Asgrow. Characteristics: early maturity, round fruit, western shipper cantaloupe with high quality and yield. Similar: Mission. 1989.

Galo (XPH 5183).—Breeder and vendor: Asgrow. Characteristics: early maturity, high quality melon, good for shipping to distant markets, holds well during shipping. Similar: Galia. 1985.

Gold Eagle (HMX 1601).—Breeder: Bill Copes. Vendor: Harris Moran. Characteristics: high yield and wide adaptability. Resistance: fusarium wilt races 0, 2; downy mildew, powdery mildew, tolerant to PRSV.

Gold Master (SHP).—Breeder and vendor: ARCO. Characteristics: productivity and uniformity. Similar: Shipmaster. 1987.

Gold Mine (HMX 9584).—Breeder: Bill Copes. Vendor: Harris Moran. Characteristics: very high quality with medium-sized fruit, very strong net with excellent shipping characteristics. Resistance: fusarium wilt races 0, 2, powdery mildew. Similar: Gold Rush. 1994.

Gold Rush (HMX9583).—Breeder: Bill Copes. Vendor: Harris Moran. Characteristics: concentrated set, wide adaptability, very early maturity, western full-net type cantaloupe. Resistance: powdery mildew. Similar: Primo, Cruiser. 1993.

Goldbeatre (PSX001137).—Breeder and vendor: Petoseed. Characteristics: full-net shipper oval fruit shape, coarse net, firm flesh, uniform sizes, deep salmon flesh color, excellent flavor, does well under eastern U.S. humid conditions. Resistance: powdery mildew race 1, fusarium wilt race 2. Similar: Hy-Mark. 1993.

Golden Harvest (Hyb30516).—Breeder and vendor: ARCO. Characteristics: very high disease resistance, fresh-market melon. Resistance: fusarium wilt, powdery mildew. Similar: Gold Star. 1988.

Golden Pride (Hyb30436).—Breeder and vendor: ARCO. Characteristics: disease resistant. Resistance: fusarium wilt, powdery mildew races 1, 2. Similar: Harper Hybrid. 1988.

Golden Shipper (H-22515).—Breeder and vendor: ARCO. Characteristics: early shipping muskmelon. Resistance: powdery mildew, fusarium wilt. 1988.

Goldmark (Sunex7013).—Breeder and vendor: Sunseeds. Characteristics: disease resistance, large-fruited shipping cantaloupe. Resistance: fusarium wilt, powdery mildew race 1. 1989.

Grande Gold (102-5).—Breeder and vendor: ARCO. Characteristics: high yield and disease resistance. Resistance: downy mildew, powdery mildew. Similar: PMR-45. 1987.

Gurney (4273).—Breeder and vendor: Petoseed. Characteristics: home garden muskmelon, large fruited. Resistance: fusarium wilt race 2. Similar: Roadside. 1993.

Harvest Pride (5003).—Breeder: F. Angell. Vendor: ARCO. Resistance: powdery mildew. Similar: Topmark. 1986.

Heart O' Gold (NVH 887).—Breeder and vendor: Northrup King. Characteristics: short oval to round melon with high sugar levels with a heavy net covering medium sutures. Resistance: powdery mildew races 1, 2. Similar: Nova. 1989.

Honey Gold (HMX 7603).—Breeder: Bill Copes. Vendor: Harris Moran. Characteristics: very uniform size, excellent quality and shipping ability, hybrid orange flesh honeydew. Resistance: fusarium wilt races 0, 2. Resistance: powdery mildew. Similar: Temptation.

Honey King (NVH 975).—Breeder and vendor: Northrup King. Characteristics: green flesh honeydew type, very smooth, does not produce netting except under stress conditions. oval fruit shape 8 × 7"; uniform for shape and size, excellent long-distance shipper, matures in 90 days, excellent quality. Similar: Early Dew, Honeydew Green Flesh. 1986.

Honey Moon.—Breeder: Taiwan. Vendor: ARCO. Characteristics: good disease resistance. Resistance: powdery mildew, downy

mildew. 1987.

Honey Star (Sunex 7037).—Breeder and vendor: Sunseeds. Characteristics: disease resistant, large, sweet honeydew. Resistance: fusarium wilt, powdery mildew. Similar: Honey and Cream. 1990.

Honeybush.—Breeder and vendor: Univ. Minnesota. Characteristics: short internode bush type plants, bearing 3–6 melons ranging in size from 2.5–3 lb, very thick, juicy orange flesh with small seed cavity. Resistance: fusarium wilt. Similar: Honey Rock.

Honeycream (PSX5086).—Breeder and vendor: Petoseed. Characteristics: large uniform fruit; almost round fruit; rind color is almost creamy white at maturity. Resistance: powdery mildew. 1989.

Hy-Mark (PSXS781).—Breeder and vendor: Petoseed. Characteristics: 83 days, western shipper; oval, 5 × 5.5", 3–3.5 lb, full medium net, no sutures, deep salmon flesh. Resistance: powdery mildew race 1, sulfur. 1985.

Intrepid (NVH 880).—Breeder and vendor: Northrup King. Characteristics: produces no sutures, fully netted and excellent interior quality; matures in Shipmaster and Tam Uvalde season; fruit are 45–36 size, slightly oval, a long distance shipper type. Resistance: powdery mildew race 1, low resistance to downy mildew. Similar: Imperial 45, Perlita, Topmark. 1983.

Ironhorse (Sunex7043).—Breeder and vendor: Sunseeds. Characteristics: very disease and aphid resistant. Resistance: fusarium wilt, powdery mildew, downy mildew, aphids. 1993.

Laguna (XPH 5014).—Breeder and vendor: Asgrow. Characteristics: very early, season opener for Texas and southwest desert areas of U.S.; up to 10 days earlier than Topmark, large sutureless fruit with heavy crown set, small cavity, excellent shipper. Similar: Topmark. 1983.

Laredo (PSX30787).—Breeder and vendor: Petoseed. Characteristics: large, full-netted fruit, firm flesh, early, western shipper type. Resistance: sulfur, powdery mildew. 1990.

Legacy (SSC77).—Breeder and vendor: Shamrock. Characteristics: strong vine cover, fully netted round western shipper type. Resistance: sulfur. Similar: Traveler. 1992.

Legend (XPH5362).—Breeder and vendor: Asgrow. Characteristics: a sutured, round-oblong melon weighing ≈6–7 lb, orange flesh with small seed cavity. Similar: Supermarket. 1989.

Limelight.—Breeder and vendor: Burpee. Characteristics: 2 weeks earlier than Honeydew; slips from vine when ripe; thick, pale green flesh; very prolific. Similar: Honeydew. 1984.

Madras (XP4047).—Breeder and vendor: Asgrow. Characteristics: fruit are large and uniform, 3–4 days earlier than Amarillo Oro. Similar: Amarillo Oro. 1990.

Mainpak (7018).—Breeder and vendor: Sunseeds. Characteristics: uniform, high-yielding, disease resistant. Resistance: powdery mildew race 1. Similar: Mission. 1989.

Marathon (NV 900).—Breeder and vendor: Northrup King. Characteristics: long-distance shipper, normal vine, fruit size 36–45; slightly oval, well netted with little or no suturing, thick flesh, small seed cavity. Resistance: some races of powdery mildew. Similar: Shipmaster, Topmark. 1979.

Marco Polo (XPH6112).—Breeder and vendor: Asgrow. Characteristics: very early western shipper cantaloupe. Resistance: fusarium wilt race 1. Similar: Mission. 1995.

Meloso (XPH 5097).—Breeder and vendor: Asgrow. Characteristics: an early maturing, Piel de Sopa type with high initial fruit set; high soluble solids, excellent flavor. Similar: Piel de Sopa. 1985.

Mission (XPH 913).—Breeder and vendor: Asgrow. Characteristics: 5–6 days earlier than Topmark, rugged vine, round, medium-large sutureless fruit, small cavity. Similar: Topmark. 1983.

Moonshine (XPH5482).—Breeder and vendor: Asgrow. Characteristics: an early, medium sized honeydew type; very uniform in shape; green flesh. Similar: Honeydew. 1990.

Morning Ice (HMX 5609).—Breeder and vendor: Harris Moran. Characteristics: early maturing honeydew type with good size. Resistance: fusarium wilt race 2, powdery mildew. Similar: Honeybrew.

Morning Ray (HMX 6594).—Breeder and vendor: Harris Moran. Characteristics: high yield and concentrated set. Resistance: powdery mildew. Similar: Honeybrew and Tam Dew.

Northern Lights (75250).—Breeder: D. Croker. Vendor: Petoseed.

Characteristics: early maturity. Similar: Fast Break. 1994.

Nova (GSV 83-93).—Breeder: Goldsmith. Vendor: Northrup King. Characteristics: an early, oblong to round shaped, coarse-netted hybrid, sutures are shallow; orange flesh with excellent sugar content. Resistance: powdery mildew races. 1983.

Orange Blossom (PSX889).—Breeder and vendor: Petoseed. Characteristics: unusually high quality, orange-fleshed honeydew type, very high sugar content; thin rind, intense orange flesh color. 1994.

Orange Dew.—Breeder and vendor: Shamrock. Characteristics: 112 day honeydew type with salmon orange-colored flesh, and fruit size of 6.5" × 6". 1988.

Oro 21 (M21).—Breeder and vendor: Northrup King. Characteristics: western shipper type with a thick shell and heavy net; high sugar content; dark, firm flesh with a small seed cavity. Resistance: fusarium wilt race 2. Similar: Marathon, Top Mark. PVP. 1989.

Oro 24 (17 24).—Breeder and vendor: Northrup King. Characteristics: western shipper type; thick shell with a heavy net; high sugar content and thick, dark flesh. Resistance: sulfur. Similar: Top Mark. PVP. 1989.

Ovation.—Breeder and vendor: Rogers. Characteristics: round, slightly oval, sutureless cantaloupe with firm, dark flesh. Resistance: fusarium wilt races 0, 2; powdery mildew races 1, 2. Similar: Laredo, Primo, Durango. 1994.

PacStart (XPH6240).—Breeder and vendor: Asgrow. Characteristics: large, early, western shipper. Resistance: powdery mildew race 2. Similar: Cruiser. 1995.

Patrician (FMX40).—Breeder: L. Gautney. Vendor: Ferry-Morse. Characteristics: fruit oblong, complete open netting, medium sutures, flesh deep orange, firm and very thick; heavy yield; excellent shipping quality. 1988.

PMR 45 Full Net.—Breeder and vendor: Shamrock. Characteristics: PMR 45 type that matures in 80 days, and has mostly full netted, sutureless melons.

Primo (NVH890).—Breeder and vendor: Northrup King. Characteristics: western shipper type with excellent, firm, dark orange flesh. Resistance: powdery mildew races 1, 2. 1989.

Pulsar (PSX10084).—Breeder and vendor: Petoseed. Characteristics: 86 day maturity, round fruit, 6.5 × 6.5" (17 × 17 cm), 5–5.5 lb, coarse net, sutured, orange flesh, fresh market. Resistance: fusarium wilt race 2, powdery mildew. 1986.

Quasar (PS105292).—Breeder and vendor: Petoseed. Characteristics: large fruit, 7–10 lb, good internal color, medium-late maturity. Similar: Roadside. 1994.

Road Runner (PSXE680).—Breeder and vendor: Petoseed. Characteristics: 88-day maturity, round fruit, 6.5 × 6.5", medium net and rib, salmon-colored flesh, high quality. Resistance: powdery mildew. Similar: Classic. 1986.

Rocio (Sunre 7049).—Breeder and vendor: Sunseeds. Characteristics: large, very disease resistant honeydew. Resistance: powdery mildew races 1, 2; fusarium wilt. Similar: Honeystar. 1992.

Rocky Sweet F1.—Breeder and vendor: Hollar. Characteristics: thick green flesh, unique net, no musky taste. Resistance: powdery mildew. Similar: Galia.

Samson F1.—Breeder: Robert Tang. Vendor: ARCO. Characteristics: tight cavity. Similar: Topmark.

Savor.—Breeder and vendor: Vilmorin. Characteristics: smooth charentais type, unmatched fruit quality, very good refractometer index, andromonoecious plant, establishing well in all soil types, superb fruit presentations, very regular size, average weight 0.7–1.0 kg. Resistance: fusarium wilt races 0, 1, 2. 1978.

Shipper.—Breeder and vendor: Shamrock. Characteristics: full net, western shipper type. 1985.

So Sweet.—Breeder and vendor: Burpee. Characteristics: extremely sweet Galece type.

Solid Gold (NVH 889).—Breeder and vendor: Northrup King. Characteristics: a western shipper, sutureless and well covered with a heavy rosy net, dark, firm, orange flesh; excellent flavor and texture. Resistance: powdery mildew races 1, 2; fusarium wilt races 1, 2. Similar: Challenger, Topmark. 1987.

Sonic.—Breeder and vendor: Sakata. Similar: Spanish Melon. 1994.

Sparkle (FMX165).—Breeder and vendor: Ferry-Morse. Characteristics: excellent foliage cover for protection from the sun, excellent uniformity of maturity, excellent yield, orange flesh. Resistance: powdery mildew, fusarium wilt race 0; field tolerance to downy mildew. Similar: Mission, Cruiser.

St. Nick (PSX16250).—Breeder and vendor: Petoseed. Characteristics: vigorous, productive, Santa Claus type, early maturity; fruit are football shaped, weigh ≈6 lb, have white flesh and are very high in sugar; will store up to 3 months. Similar: Piel de Sapo. 1994.

Star Sweet (HMX7601).—Breeder: Bill Copes. Vendor: Harris Moran. Characteristics: high quality, better shippability, wide adaptation, eastern U.S.-type muskmelon. Resistance: fusarium wilt races 0, 2; powdery mildew. Similar: Goldstar. 1993.

Starship (HMX3593).—Breeder and vendor: Harris Moran. Characteristics: eastern U.S. type with excellent shipping characteristics. Resistance: fusarium wilt race 2, powdery mildew. Similar: Goldstar.

Sunburst (SSC 3145).—Breeder and vendor: Shamrock. Characteristics: hybrid, high yield, Juan Canary type with improved uniformity, and smoothness. Resistance: fusarium wilt, verticillium wilt. Similar: Juan Canary. 1993.

Sunrise (XP673).—Breeder and vendor: Agway. Characteristics: 65 day maturity, good vine vigor, producing two or three 4–5 lb. fruit per plant; fruit heavily netted, moderately ribbed. Similar: Hybrid Earligold. 1987.

Sunshine (FMX50).—Breeder: L. Gautney. Vendor: Ferry-Morse. Characteristics: fruit round to slightly oblate, medium ribbed, completely netted, fairly wide sutures, thick orange flesh. Similar: Star Trek. 1988.

Sweet Delight.—Breeder and vendor: Hollar. Characteristics: larger than Honeydew Green Flesh. Similar: Honeydew Green Flesh. 1993.

Sweet Summer (7011).—Breeder and vendor: Sunseeds. Characteristics: early, disease resistant. Resistance: fusarium wilt, powdery mildew. Similar: Goldstar. 1992.

Tania (XPH 922).—Breeder and vendor: Asgrow. Characteristics: has exhibited earlier maturity by 7–10 days over Amcosweet with more uniform fruit setting and higher yield. Similar: Amcosweet, Barada. 1983.

Tasty Sweet (22545).—Breeder and vendor: Sunseeds. Characteristics: early, disease resistant, shipping muskmelon. Resistance: powdery mildew races 1, 2, fusarium wilt. 1988.

Temptation (SME 8401).—Breeder and vendor: Sakata. Characteristics: hybrid orange flesh, honeydew. Resistance: fusarium wilt, powdery mildew. Similar: Orange Flesh Honeydew. 1990.

Top Gun (SUNEX 7002).—Breeder and vendor: Sunseeds. Characteristics: early disease resistance, full netted, shipper cantaloupe. Resistance: powdery mildew races 1, 2, fusarium wilt. Similar: Topmark. 1988.

Topflight (PSXS582).—Breeder and vendor: Petoseed. Characteristics: 80 days, western shipper; oval, 4.25 x 5" (10–12 cm), 2.5–3 lb; medium net, no sutures, dark orange flesh. Resistance: powdery mildew race 1. Similar: Topmark. 1985.

Touchdown (PSX001240).—Breeder and vendor: Petoseed. Characteristics: medium-large, football-shaped muskmelon with superior eating quality; medium net, medium sutures, main season maturity. Resistance: fusarium wilt race 2. Similar: Euromarket. 1994.

Traveler.—Breeder and vendor: Shamrock. Characteristics: full net western shipper type. Resistance: sulfur. Similar: Shipper. Adaptation: Texas, New Mexico, California, and Colorado. PVP. 1989.

Veracruz (NVH892).—Breeder and vendor: Rogers. Characteristics: mid-early, 82 days; tight seed cavity; deep orange color, high quality, ships well. Resistance: sulfur, fusarium wilt races 0, 2, powdery mildew races 1, 2. Similar: Mission. 1992.

Verde.—Breeder and vendor: Shamrock. Characteristics: exterior is smooth and free of corrugation and radial cracking. Resistance: downy mildew, powdery mildew; tolerance to crown blight. 1987.

Voyageur.—Breeder and vendor: Shamrock. Characteristics: full net western shipper type. 1987.

Westar (86M166).—Breeder and vendor: Musser. Characteristics: Harvest Queen type muskmelon, high soluble solids, resistant to premature internal flesh breakdown. Resistance: powdery mildew,

WMV-1. Similar: Saticoy. 1988.

Yellow King (XPH6094).—Breeder and vendor: Asgrow. Characteristics: round, bright yellow with corrugated texture, fruit elongated, oblong in shape. Similar: Amarelo. 1994.

Yellow Queen (XPH6095).—Breeder and vendor: Asgrow. Characteristics: fruit oblong, round, bright yellow with corrugated texture. 1995.

Zenith (7006).—Breeder and vendor: Sunseeds. Characteristics: very disease resistant muskmelon. Resistance: fusarium wilt, powdery mildew. Similar: Goldstar. 1992.

Zima (XPH 5360).—Breeder and vendor: Asgrow. Characteristics: intermediate in type between Piel de Sapo and Tendral, white flesh, green skin turning yellow at maturity, ≈5 lb, early maturity. Similar: Piel de Sapo. 1988.

OKRA

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Annie Oakley II (PSX 1485).—Breeder and vendor: Petoseed. Characteristics: hybrid, early maturing with angular, penta-type, dark green pods, short internodes, open canopy, suited for fresh market and processing. 1990.

Cajun Delight (PS3687).—Breeder and vendor: Petoseed. Characteristics: smooth, penta-type, dark green pods, concentrated fruit set, short internodes, lobed leaf, earlier than Clemson 80, for processing or fresh market. 1988.

Dixie Spineless (NV2552).—Breeder and vendor: Northrup King. Parentage: pure line selection from Clemson Spineless. Characteristics: green stalk, deep cut leaf compared to Clemson Spineless, plants slightly taller and more vigorous than Clemson Spineless, without anthocyanin in plant or fruit. PVP. 1982.

Jefferson.—Breeder and vendor: Dept. of Horticulture, Univ. of Arkansas, Fayetteville. Parentage: Clemson Spineless, L97-2-1, Emerald, Perkins, Goldcoast, and PI 248999. Characteristics: plants tall and relatively free of lateral branches, leaves medium lobed, pods dark green, 7–9 carpels, few spines, early. Adaptation: processing, fresh market. 1981.

Lee.—Breeder and vendor: Dept. of Horticulture, Univ. of Arkansas, Fayetteville. Parentage: Gulfcoast, PI 248999, Emerald and Clemson Spineless. Characteristics: plants are semidwarf and generally free of lateral branches, leaves are slightly lobed, pods are 5 carpellate, uniform, straight, bright green and spineless. 1978.

North and South (B56960).—Breeder and vendor: Burpee. Characteristics: early-yielding hybrid which tolerates cool temperatures, pods are dark green with little fiber, fresh-market and home garden production. 1995.

Parbhani Kranti (PBNO 57).—Breeder: Central Seeds Organization, Mahatma Phule Agricultural Univ., Rahuri-413 722, India. Parentage: Pusa Sawani X *A. manihot* and subsequent backcrosses to Pusa Sawani with selection for resistance to yellow vein mosaic virus. Characteristics: plants tall, single stemmed, dark green foliage, fruit are dark green, smooth, slender. Resistance: yellow vein mosaic. 1986.

ONION

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Adonis (FMX 349).—Breeder and vendor: Ferry-Morse. Characteristics: excellent yield, yellow semi-flat Grano onion, very vigorous, mid maturity. Resistance: pink root. Similar: Henry's Special.

Alabaster (Sunex 1458).—Breeder: R. Watson. Vendor: Sunseeds. Characteristics: bright white outer scales, intermediate day. Resistance: pink root. Similar: Midstar. 1994.

Albion.—Breeder and vendor: Bejo. Characteristics: hybrid white

onion for short term storage, dehydration, or fresh market. 1989.

Antelope (230W5).—Breeder: E. Wheeler. Vendor: Ferry-Morse. Characteristics: early maturing, high yields, attractive bronze skins, mild, sweet, short storage. Similar: Progress. 1985.

Apache.—Breeder and vendor: Golden Valley. Characteristics: Spanish Red Globe type with good storage. 1991.

Apex (PSX 72488).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: block shape, good quality colossals. 1991.

Aspen (PS93490).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: fresh market, globe-shaped white mid day, white short sturdy tops. Resistance: pink root. Similar: Midstar. 1995.

Astro (PS57089).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: long storage, excellent scales, deep globe shaped, vigorous root system, 3" bulbs, medium dark color, good for mechanical harvest. Similar: Voyager, Spartan Banner 80. 1993.

Atlantis (FMX351).—Breeder and vendor: Ferry-Morse. Characteristics: yellow short-day Grano type that produces large, mild bulbs of a brownish color; mid to late season, very vigorous with fair bolting resistance. Resistance: pink root. Similar: Texas 1015Y, Sweet Rio, Sweet Sixteen.

Atlas (PSX 70287).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: long day, globe-shaped bulbs, jumbos, colossals, light brown scale, white flesh, mild flavor. 1991.

Augustus (FMX263W20).—Breeder: E. Snyder. Vendor: Ferry-Morse. Characteristics: big jumbo bulbs with dark brown skins that will store well, this is a full season maturity onion. Resistance: pink root tolerance. Similar: Vega. 1991.

Aztec.—Breeder and vendor: Dakota. Characteristics: early maturing, high yielding, Spanish, yellow. Resistance: pink root, fusarium. Similar: Golden Cascade. 1990.

Benchmark (XPH 3311).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: long day yellow storage, good yield, globe shaped bulb; excellent skin quality, firmness, neck size, storage. Resistance: pink root, fusarium. Similar: Sweet Sandwich. 1989.

Big Top (FMX152).—Breeder: H. Sakamoto. Vendor: Ferry-Morse. Characteristics: Grano type hybrid producing large to jumbo, full, slightly rounded bulbs, excellent yield. Resistance: pink root. Similar: Texas Early Grano. 1983.

Blaze.—Breeder and vendor: Dakota. Characteristics: hybrid, red, overwintering. Resistance: pink root. 1994.

Boulder.—Breeder and vendor: Dakota. Characteristics: yellow long day, hard storage type. Resistance: pink root, fusarium. Similar: Legacy. 1993.

Bravado (DEXP 490-2).—Breeder and vendor: Sunseeds. Characteristics: main season Yellow Spanish type capable of high yields of large bulbs with a high frequency of single centers. Resistance: pink root. Similar: Yellow Sweet Spanish. 1988.

Bravo (AX 1846).—Breeder and vendor: Aristogenes. Characteristics: outstanding vigor and yield, good uniformity and storage qualities. Resistance: pink root. Similar: Vega. 1989.

Bronze Age.—Breeder: K. McLellan, P. Olesen and Associates; Parma, Idaho. Vendor: Ferry-Morse. Parentage: closed. Characteristics: mid-late season Elite type with heavy yielding ability, better storability. Adaptation: northeastern United States. 1969.

Brown 5.—Same as Australian Brown UC Number 5.

Brown Baron (XPH 3860).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: excellent skin quality and bulb uniformity, globe-shaped bulbs. Resistance: pink root, fusarium. Similar: Brown Beauty. 1994.

Bullet (FMX 221W4).—Breeder: K. McLellan. Vendor: Ferry-Morse. Characteristics: early maturity, heavy bulb weight, dark yellow-bronze scales, good storage qualities, has distinctive round bulbs. Resistance: fusarium basal rot; tolerance to bolting. 1983.

Burgos.—Breeder and vendor: Vilmorin. Similar: Armada, Recas, Rondo. 1989.

Cache (XPH 3373).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: long-day yellow Spanish, high yielding, high jumbo percentage of single centered bulbs, fresh-market and processor use. Resistance: pink root, fusarium. Similar: Maya. 1989.

Caesar (FMX320W6).—Breeder: E. Snyder. Vendor: Ferry-Morse. Characteristics: refined jumbo size globe-shaped bulbs with strong

brown skins, full-season maturity, Spanish type, stores well. Resistance: tolerance to pink root. 1991.

Canada Maple.—Breeder and vendor: Stokes. Characteristics: long-storing yellow onion for Ontario or Quebec. 1988.

Candy (PSX 3688).—Breeder: A. Burkett. Vendor: Petoseed. Characteristics: hybrid yellow midday, short sturdy tops, can be direct seeded or transplanted, jumbo bulbs, single centers, limited storage. 1993.

Capri (AX 1497).—Breeder: K. McLellan. Vendor: Aristogenes. Characteristics: high percentage single centers. Resistance: pink root. Similar: Vega. 1992.

Cardinal.—Breeder and vendor: Shamrock. Characteristics: overwintering, deep red to purple, flattened globe. Resistance: fusarium, bolting. Similar: Kureni Red. 1989.

Caribou (SSC 0020).—Breeder and vendor: Shamrock. Characteristics: overwintering, early maturing, deep yellow globe, large and uniform bulbs. Resistance: bolting. Similar: Buffalo. 1993.

Celtic (XPH 3801).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: full season maturity, excellent storability, good skin color, very uniform, strong root system. Resistance: pink root, fusarium. Similar: Garrison. 1994.

Centrex (EXP 3312).—Vendor: Shamrock. Characteristics: slightly deeper Granex shape, more uniform, fewer doubles than Granex 33. Resistance: bolting, pink root. Similar: Granex 33. 1989.

Centurion.—Breeder and vendor: Bejo. Characteristics: round, yellow Stuttgarter type, hybrid storage onion. 1989.

Challenge (RCSX 1291).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: hybrid, main season, yellow sweet Spanish type. 1988.

Cheyenne.—Breeder and vendor: Dakota. Characteristics: late maturing, high yielding, yellow sweet Spanish. Resistance: pink root. Similar: Vega. 1991.

Chico.—Breeder and vendor: Dakota. Characteristics: high globe, top shaped, yellow. Resistance: pink root. Similar: 1015Y. 1993.

Chieftain.—Breeder: USDA, Utah, and Idaho State Expt. Stn. Parentage: U16-3-1A x B 12115-2C. 1963.

Chippewa.—Breeder and vendor: Dakota. Characteristics: yellow intermediate, high yielding. Resistance: pink root. Similar: Yula. 1993.

Chula Vista (PSX 6589).—Breeder and vendor: Petoseed. Characteristics: short day hybrid, light yellow scales, sweet, main season. Resistance: excellent to pink root. 1994.

Citadel (XPH 3370).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: long day yellow storage, early maturing, tall globe bulb with glossy brown scales, trim neck, good storability. Resistance: pink root, fusarium. Similar: Taurus. 1989.

Cody.—Breeder and vendor: Dakota. Characteristics: yellow intermediate. Similar: Yula. 1992.

Columbia (FMX 220W4).—Breeder: K. McLellan. Vendor: Ferry-Morse. Characteristics: first early hybrid performing well under wide range of conditions, adapted for bulk handling and bulk storage, medium dark bronze skins. Similar: Rocket. Adaptation: wide. 1983.

Comanche.—Breeder and vendor: Rispens. Characteristics: adapted to northeastern U.S., yellow storage onion. Resistance: pink root. Similar: Paragon. 1991.

Copper Cache.—Breeder: K. McLellan, P. Olesen and Associates; Parma, Idaho. Vendor: Ferry-Morse. Parentage: closed. Characteristics: early-midseason Hickory type, heavy yielding ability, excellent storability. Resistance: tipburn. Adaptation: Ontario, northeastern U.S. 1969.

Copper King.—Breeder and vendor: Stokes. Characteristics: earlier than New York Early, storage onion. Resistance: field tolerance to pink root. 1991.

Copper Mine (E1205).—Breeder: K. McLellan. Vendor: Ferry-Morse. Characteristics: early midseason hybrid, excellent storage quality, good yielding ability, extremely attractive appearance, medium dark bronze skins. Similar: Spartan Banner. 1983.

Copra.—Breeder and vendor: Bejo. Characteristics: main season, long day, yellow storage type, very thick skinned, thin necks. 1989.

Corner Stone.—Breeder and vendor: Rispens. Characteristics: early, very hard. Similar: Hustler, Northstar. 1993.

Cougar (PS8489).—Breeder: A. Burkett. Vendor: Petoseed. Characteristics: short day, 5 days later than Mercedes, good storage, globe shape. Resistance: pink root. Similar: Mercedes. 1994.

Coyote.—Breeder and vendor: Dakota. Characteristics: yellow intermediate. Resistance: pink root. Similar: Cimarron. 1993.

Cree.—Breeder and vendor: Dakota. Characteristics: red sweet Spanish, storage type, high yielding. Resistance: pink root. Similar: Red Man. 1991.

Creoso.—Breeder and vendor: ARCO/Dessert. Resistance: pink root. 1968.

Criterion (Sunex1476).—Breeder: R. Watson. Vendor: Sunseeds. Characteristics: nonglossy foliage, dark brown scales that adhere well, hard flesh, pungent, long storage. Resistance: tolerance to pink root, fusarium basal rot. Similar: Duration. 1995.

Crusader (XPH 3374).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: tall, globe shaped, yellow skinned, main season storage onion with excellent size and scale retention. Similar: Spartan Banner 80. 1989.

Crystal Grano.—Breeder: USDA. Characteristics: white bulb (recessive trait) selected from field of Early Grano.

Crystal Wax (L. 690).—Breeder: USDA, Texas State Expt. Stn. Characteristics: S1 family. 1949.

Cuzco.—Breeder and vendor: Dakota. Characteristics: late maturing, high yielding, yellow sweet Spanish type. Resistance: pink root. Similar: Vega. 1992.

Dakota.—Breeder and vendor: Dakota. Characteristics: early maturing, northern, storage type. Resistance: pink root, fusarium. Similar: Paragon. 1991.

Dakota B-II.—Breeder and vendor: Dakota. Characteristics: late maturing, high yielding, yellow sweet Spanish type. Resistance: pink root. Similar: Vega. 1992.

Darius (FMX44W4).—Breeder: E. Snyder. Vendor: Ferry-Morse. Characteristics: high globe shape with dark brown firm skins, refined necks, hard bulb, long storability, 105 day maturity, very good uniformity of bulb size and shape, yielding large and jumbo bulbs. 1992.

Daytona.—Breeder and vendor: Bejo. Characteristics: hybrid yellow storage type, large bulbs. Resistance: tolerance to pink root, fusarium. 1989.

Diamante (Sunex1517).—Breeder and vendor: Sunseeds. Characteristics: uniform large Grano type white hybrid, earlier and more bolt tolerant than Early Supreme. Resistance: pink root. Similar: Early Supreme. 1995.

Diamond (PSX 91988).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: longer storage than any long day white on market. Similar: White Keeper. 1993.

Dillon.—Breeder and vendor: Dakota. Characteristics: overwintering yellow type. Resistance: pink root, bolting. Similar: Dynasty. 1993.

Discovery (RCSX 1327).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: early season, hybrid, yellow Sweet Spanish type. 1988.

Dixie (SSC 6000).—Breeder and vendor: Shamrock. Characteristics: early maturing, short day, bulbs medium sized, tapered, yellow with excellent uniformity. Resistance: pink root, bolting. Similar: Mr. Max. 1992.

Dominator.—Breeder and vendor: Dakota. Characteristics: white intermediate. Resistance: pink root. Similar: Midstar. 1993.

Don Victor.—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: overwintering type, very good bolting resistance. 1989.

Dorada.—Breeder: L. Pike, Texas A&M Univ. Characteristics: short day yellow onion, round to slightly flattened globe, excellent root system. Resistance: pink root. Similar: Ben Shemen. 1989.

Dragon Eye.—Breeder and vendor: Takii. Characteristics: overwintering yellow type. Resistance: tolerance to botrytis, downy mildew, bolting. 1988.

Dulce Grande.—Breeder: R. Engle. Vendor: Petoseed. Characteristics: western white colossal shiny white scales, uniform high yielding, 115–120 day maturity. Resistance: pink root. Similar: Blanco Duro, Sterling.

Duration (Sunex 1492).—Breeder and vendor: Sunseeds. Char-

acteristics: nonglossy foliage, medium brown scales that adhere well, hard globed, pungent, long storage. Resistance: pink root, fusarium basal rot. Similar: Downing Yellow Globe. 1989.

Dynasty (NI 2110).—Breeder and vendor: Shamrock. Characteristics: overwintering type, bulbs fairly round, good scale color, very early. Resistance: very bolt resistant. Similar: Bison. 1989.

Early King.—Breeder and vendor: Rispens. Characteristics: early with size. Similar: Norstar. 1994.

El Charro (AX 1852).—Breeder and vendor: Aristogenes. Characteristics: exceptional vigor, uniformity and yielding ability; good storability. Resistance: pink root. Similar: Sweet Amber. 1992.

El Padre (AX2250).—Breeder: K. McLellan. Vendor: Aristogenes. Characteristics: exceptional vigor and yielding ability, late. Resistance: pink root. 1992.

Emerald Isle (XP 3619).—Breeder and vendor: Asgrow. Characteristics: bunching onion, good uniformity, long shanks with good color, erect foliage for rapid drying under humid conditions. Similar: White Knight. 1989.

Encino (XP6791).—Breeder: R. Jones. Vendor: Asgrow. Characteristics: large Grano type bulb. Resistance: pink root. Similar: TG502. 1995.

Endurance (SUNEX1477).—Breeder: R. Watson. Vendor: Sunseeds. Characteristics: nonglossy foliage, medium brown scales that adhere well, hard flesh, pungent, long storage. Resistance: high tolerance to pink root, fusarium basal rot. Similar: Duration. 1995.

Envoy (XPH 3375).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: early, uniform shape and size, Spanish type. Resistance: fusarium. Similar: Bulldog Vega.

Equanex (PSX 680).—Breeder and vendor: Petoseed. Characteristics: hybrid yellow, early maturity, Granex type, bulbs flat, small neck, good uniformity. Resistance: pink root. 1986.

Eskimo.—Breeder and vendor: Takii. Characteristics: early maturity, yellow long day type. Resistance: tolerance to botrytis, downy mildew. 1988.

Estrella Blanca (FMX 352W).—Breeder and vendor: Ferry-Morse. Characteristics: globe to flattened globe shaped bulb, good skin retention, early maturing white short day cultivar. Resistance: moderate to pink root. Similar: Early Supreme.

Everest.—Breeder and vendor: Nick-Zwaan. Characteristics: short day, large top, white, mild flesh. Resistance: bolting. Similar: Diamond-N2. 1988.

Exporter.—Breeder: P. Olesen and Associates; Parma, Idaho. Vendor: Stokes Seeds. Parentage: closed. Characteristics: heavy yielding, hard, dark brown, medium size globe. Adaptation: northeastern United States, Canada. 1968.

Express.—Breeder and vendor: ARCO/Dessert. Resistance: pink root. 1982.

Express Yellow.—Breeder and vendor: Takii. Characteristics: overwintering yellow type. Resistance: tolerance to botrytis, downy mildew, bolting. 1988.

Extra (PSX 53588).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: dark skin, cream color flesh, long day onion, medium size, excellent storage, strong scale retention. 1991.

Fabius (FMX2020).—Breeder: E. Snyder. Vendor: Ferry-Morse. Characteristics: high globe shape with dark brown, firm skins, refined necks; the bulb is hard, stores long, very good uniformity of bulb size and shape yielding large and jumbo bulbs. Resistance: tolerance to pink root. 1993.

Fargo.—Breeder and vendor: Dakota. Characteristics: large yellow, flattened globe. Resistance: pink root. Similar: San Joaquin. 1993.

Fawn Preview.—Breeder: K. McLellan, P. Olesen and Associates; Parma, Idaho. Vendor: Ferry-Morse. Parentage: closed. Characteristics: early season, Epoch type with heavier yielding ability, excellent storability. Resistance: tipburn. Adaptation: northeastern United States, Ontario. 1969.

Fireball.—Breeder and vendor: Dakota. Characteristics: hybrid red, intermediate, globe shaped. Resistance: pink root, fusarium. 1992.

First Edition (PSX20684).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: midseason, globe-shaped bulbs, excellent storage, strong scale retention. 1991.

Flame (XPH 3272).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: medium maturity, long day yellow with brown skinned onion, produces good size with a round shape, thin-necked bulb, excellent storage. Similar: Taurus. 1986.

Fortress (XPH 3330).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: dark yellow skinned, midseason storage onion with excellent firmness and scale retention. Similar: Taurus. 1989.

Foxy (82N36).—Breeder: W. McDonald. Vendor: Crookham. Characteristics: high yielding hybrid, early maturing, Yellow Sweet Spanish type. Adaptation: mechanical harvest, Idaho-Eastern Oregon region. Resistance: pink root. Similar: Fiesta. 1984.

Frontier (T-400).—Breeder and vendor: Takii. Characteristics: stores well, good uniformity, dark brown skins. Resistance: gray mold, neck rot, soft rot, fusarium basal rot. 1994.

Fuego (PSX 81188).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: long day onion, bright red, globe shaped, red and white flesh colors, pungent flavor. 1991.

Fury (XPH 3468).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: very uniform bulb with good skin, firm bulbs, main maturity for Spanish storage market. Resistance: pink root, fusarium. Similar: Fiesta. 1994.

Galaxy.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: flat, globe-shaped, yellow bulbs with resistance to bolting. 1988.

Garrison (XPH 3367).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: early, main crop, yellow storage type with improved size over Sweet Sandwich and Spartan Banner 80. Resistance: pink root, fusarium. Similar: Sweet Sandwich. 1989.

Gazette (PSX 51587).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: long day, midseason maturity, bright dark brown scale, cream colored flesh. 1991.

Gibraltar (224W2).—Breeder: K. McLellan. Vendor: Ferry-Morse. Characteristics: midseason, excellent yielder, excellent appearance, bronze scales. Resistance: fusarium basal rot. Similar: Wisconsin Fusario. 1985.

Gladiator.—Breeder and vendor: Harris Moran. Characteristics: midseason maturity, blocky globe shape, excellent storage, dark skin color. 1992.

Gold Mine [E1206(XI05 SG)].—Breeder: K. McLellan. Vendor: Ferry-Morse. Characteristics: compared with Spartan Banner; has smaller necks, heavier skins, improved depth of color, rounder shape. Resistance: fusarium bottom. Similar: Spartan Banner. 1983.

Golden Laker.—Breeder and vendor: P. Olesen and Associates; Parma, Idaho. Parentage: (1a163 x W4B) x B2215. Characteristics: midseason, heavy yielding, medium-dark brown, high globes. Adaptation: northeastern United States. 1968.

Golden Passport.—Breeder: K. McLellan. Vendor: P. Olesen and Associates, Parma, Idaho. Parentage: P.O.A. line x W4B. Characteristics: very early, medium-small, hard globes. Resistance: tipburn. Adaptation: Ontario, northeastern United States. 1968.

Golden Security.—Breeder and vendor: Rispens. Characteristics: high frequency of single centered bulbs; very uniform; very good in storage; heavy yielding. Resistance: pink root, fusarium. Similar: Cherokee. 1993.

Grand Prix.—Breeder and vendor: Sunseeds. Characteristics: early maturing hybrid, yellow bulbs, short day Grano type. Resistance: bolting. 1987.

Grande Gold.—Breeder and vendor: Dakota. Characteristics: early maturing; high yielding; yellow storage Spanish. Resistance: pink root. Similar: Paragon. 1991.

Grandex-O (X1106).—Breeder and vendor: K-F Seeds. Characteristics: Granex type hybrid with greater depth, matures between Granex 33 and Texas Early Grano 502 PRR. Resistance: pink root, bolting. Similar: Texas Early Grano 502. 1983.

Granex Maxim PRR (Hyb Exp 18090).—Breeder and vendor: Moran. Characteristics: scale color darker than regular Granex types, ≈10 days earlier in maturity, intended for all short day onion growing regions, much deeper in bulb shape than regular Granex, with more refined neck, bulbs mostly large mediums, few jumbos. Resistance: pink root. Similar: Yellow Granex. 1984.

Hamlet (XPH 3724).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: early maturity; bulbs globe shaped, very uniform with

excellent skin retention during storage. Resistance: bolting. Similar: Citadel. 1993.

Havaju.—Breeder and vendor: Dakota. Characteristics: early maturing, high yielding, yellow storage Spanish type. Resistance: pink root. Similar: Paragon. 1991.

Hi-Ball.—Breeder and vendor: Takii. Characteristics: overwintering yellow type. Resistance: tolerance to botrytis, downy mildew, bolting. 1988.

Hi-Keeper.—Breeder and vendor: Takii. Characteristics: overwintering yellow type. Resistance: tolerance to botrytis, downy mildew, bolting. 1988.

Hopi.—Breeder and vendor: Golden Valley. Characteristics: yellow Spanish type with good storage. Resistance: tolerance to pink root, fusarium, thrips. 1991.

Huron.—Breeder and vendor: Dakota. Characteristics: long day yellow; storage. Resistance: pink root, fusarium. Similar: Paragon. 1993.

Hustler.—Breeder and vendor: Harris Moran. Characteristics: early maturity, long day hybrid, globe shape, excellent storage.

Iceberg.—Breeder and vendor: Dakota. Characteristics: hybrid white, overwintering. Resistance: pink root. 1994.

Igloo.—Breeder and vendor: Dakota. Characteristics: hybrid white; overwintering. Resistance: pink root. 1994.

Impact.—Breeder and vendor: Harris Moran. Characteristics: early maturity with large blocky bulbs. Similar: Taurus. 1991.

Impala (SSC 1862).—Breeder and vendor: Shamrock. Characteristics: large globe with a tan color; intermediate day; very early maturity. Resistance: pink root. Similar: Yuca. 1992.

Inca.—Breeder and vendor: Golden Valley. Characteristics: yellow Spanish hybrid. 1991.

Iroquois.—Breeder and vendor: Golden Valley. Characteristics: yellow Spanish hybrid. 1991.

Jackpot.—Breeder and vendor: Dakota. Characteristics: hybrid, yellow long day. Resistance: pink root. 1994.

Jaguar (PS13489).—Breeder: A. Burkett. Vendor: Petoseed. Characteristics: similar to Cougar, but 3–5 days later; good storage, globe shape, small necks. Similar: Cougar. 1994.

Jetset.—Breeder and vendor: Bejo. Characteristics: yellow storage onion for set production. 1989.

Joint Venture (AX 1436).—Breeder: E. Wheeler. Vendor: Aristogenes. Characteristics: long storage; very firm, attractive. Resistance: fusarium. Similar: Taurus. 1992.

Joker.—Breeder and vendor: Asgrow. Characteristics: same as Flame, but released for Europe.

Kachina.—Breeder and vendor: Dakota. Characteristics: midseason, high yielding, yellow, sweet Spanish type. Resistance: pink root. Similar: Bravado. 1991.

Keep Well.—Breeder and vendor: Takii. Characteristics: overwintering yellow type. Resistance: tolerance to botrytis, downy mildew, bolting. 1988.

Keepsweet (DP-79).—Breeder and vendor: Abbott & Cobb. Characteristics: sweet Spanish type, yellow bulb with good storage. 1979.

K-F284 Early Granex X284.—Breeder and vendor: K-F Seeds. Characteristics: earliness, bolt resistance, seedling vigor, fine neck. Resistance: pink root. Similar: F₁ Granex. 1982.

Klondike.—Breeder and vendor: Dakota. Characteristics: long day white type. Resistance: pink root, fusarium. Similar: Snow White. 1993.

Kodiak (I022).—Breeder and vendor: D. Palmer. Characteristics: hybrid, 110–115 day maturity, yellow, long day, hard storage type, bulbs have blocky globe shape and are very large, stores well, dark bronze colored skin. Resistance: exceptional tolerance to pink root, some tolerance to mildew, tip burn and blight. Similar: Valiant, Tesoro. Adaptation: northwestern and western U.S. 1998.

Kyda Nova (RCSL 1221).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: hybrid, intermediate daylength, round red type, intense red, vigorous. 1987.

Laguna.—Breeder and vendor: Golden Valley. Characteristics: yellow Spanish hybrid. 1991.

Lakota.—Breeder and vendor: Rispens. Characteristics: heavy yielding; very good storage. Resistance: pink root, fusarium. Similar:

Duration. 1993.

Landmark (XPH3723).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: midseason maturity; long storage capability with improved packouts; very uniform bulbs. Resistance: moderate to pink root, fusarium. Similar: Brown Beauty. 1992.

Laramie.—Breeder and vendor: Dakota. Characteristics: long day, yellow bulb, Spanish type. Resistance: pink root, fusarium. Similar: Ole. 1993.

Legacy (Sunex 1497).—Breeder: R. Watson. Vendor: Sunseeds. Characteristics: nonglossy foliage; reddish brown scales that adhere well; hard fleshed; pungent; long storage. Resistance: high to pink root, fusarium basal rot. Similar: Paragon. 1991.

Liberty (AX 1442).—Breeder: E. Wheeler. Vendor: Aristogenes. Characteristics: early maturing; heavy yielder of high quality, uniform bulbs with excellent storability. Resistance: pink root, bolting. Similar: Paragon. 1994.

Linda Vista (PSX 8589).—Breeder: A. Burkett. Vendor: Petoseed. Characteristics: short day hybrid, light yellow scales, sweet, jumbo and colossal bulbs, 7 days later than Chula Vista. Resistance: excellent tolerance to pink root. 1994.

Lumina (SSC 9928).—Breeder and vendor: Shamrock. Characteristics: short day, early maturing, white globe with excellent uniformity. Resistance: pink root, bolting. Similar: Early White Supreme. 1992.

Mackinaw.—Breeder and vendor: Dakota. Characteristics: hard storage, long day yellow. Resistance: tolerance to pink root, fusarium. Similar: Daragon. 1993.

Madrid (AX 2246).—Breeder: K. McLellan. Vendor: Aristogenes. Characteristics: outstanding vigor and yielding ability. Resistance: pink root. Similar: Vega. 1994.

Maestro (XPH 7022).—Breeder and vendor: Asgrow. Characteristics: overwintering, yellow skinned type, early maturity. Similar: Keepwell, Yellowstone. 1987.

Majestic (AX 1507).—Breeder: K. McLellan. Vendor: Aristogenes. Characteristics: consistent, very heavy yielder of extra large, Spanish type bulbs with uniformity, excellent keeping ability; light colored skins. Resistance: strong to pink root. 1992.

Majesty.—Breeder and vendor: ARCO/Dessert. Resistance: pink root. 1964.

Mambo (Sunex 1488).—Breeder: R. Watson. Vendor: Sunseeds. Characteristics: dark red color extends to center of bulb when well cured, large bulb size. Similar: Tango. 1992.

Mammoth (SSC 1497).—Breeder and vendor: Shamrock. Characteristics: a medium-late maturity, intermediate day onion, very large, highly single-centered bulbs that are brown colored. Similar: Maya. 1992.

Maricopa.—Breeder and vendor: Golden Valley. Characteristics: yellow Spanish hybrid, better storability. 1991.

Maritime (XPH 3326).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: high yield, trim necks, high percentage of colossal bulbs. Similar: Vega, Cache. 1994.

Mars (PSX 80888).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: long day type, bright red globe, white flesh, large medium jumbos. 1991.

Marvel (Sunex 1486).—Breeder: R. Watson. Vendor: Sunseeds. Characteristics: early maturity, vigorous growth, large bulb size. 1992.

Mercedes (PS 2789).—Breeder: A. Burkett. Vendor: Petoseed. Characteristics: short day hybrid, yellow, good scales, early, good storage, firm, small necks. Resistance: pink root. 1994.

Mercury.—Breeder: R. Engle. Vendor: Petoseed. Characteristics: eastern U.S., long day, red type. 1993.

Mesa.—Breeder and vendor: Dakota. Characteristics: hybrid yielding, overwintering. Resistance: pink root. 1994.

Mohegan.—Breeder and vendor: Dakota. Characteristics: early maturing, northern U.S., storage onion. Resistance: pink root, fusarium. Similar: Valient. 1992.

Mojave.—Breeder and vendor: Dakota. Characteristics: midseason, high yielding, white sweet Spanish. Resistance: pink root. Similar: Sterling. 1992.

Monarch (SSC-2246).—Breeder and vendor: Shamrock. Characteristics: late maturing, intermediate day, large, globe-shaped, dark

brown bulbs. Similar: Maya. 1991.

Moonshine.—Breeder and vendor: Dakota. Characteristics: overwintering white type. Resistance: pink root. Similar: Midstar. 1993.

Navaho.—Breeder and vendor: Golden Valley. Characteristics: yellow Spanish type. Resistance: tolerance to pink root, fusarium. 1991.

New Mexico Early Grano.—Breeder: New Mexico State Expt. Stn. Characteristics: derived from Balbosa. 1930.

Ninja (MR7600).—Breeder and vendor: Rispens. Characteristics: 114 day maturity, good scale retention for mechanical harvest. Resistance: pink root, fusarium. Similar: Voyager. 1992.

Nitro.—Breeder and vendor: Rispens. Characteristics: excellent long-term storage, derived from cross of hard by hard bulb, high yields. Resistance: pink root, fusarium. Similar: Fortress, Duration. 1994.

Norseman.—Breeder and vendor: Stokes. Characteristics: longer storage, better skin retention than Norstar. Resistance: field tolerance to pink root. 1991.

Norstar.—Breeder and vendor: Takii. Characteristics: early maturity, yellow type, for cool weather production. Resistance: tolerance to botrytis, downy mildew, soft rot, basal rot. 1988.

North Star (FMX 220WI).—Breeder: K. McLellan. Vendor: Ferry-Morse. Characteristics: early midseason, good yielding, long storage type, hard flesh, heavy skins, small necks, medium bronze with high gloss. Resistance: fusarium basal rot. Similar: Fusario hybrids. 1983.

Nova.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: early maturity, flat yellow bulbs, Granex type. Resistance: bolting, pink root. 1988.

Number 6404.—Breeder and vendor: Takii. Characteristics: long day storage type. Resistance: tolerance to fusarium basal rot, bacterial leaf spot. Adaptation: western U.S. 1991.

Number 8911.—Breeder and vendor: Takii. Characteristics: long day storage type. Resistance: tolerance to fusarium basal rot, pink root, bacterial leaf spot. Adaptation: western U.S. 1991.

NuMex Bolo.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Characteristics: yellow intermediate day onion, high yield, firm bulbs. Resistance: excellent to pink root. 1994.

NuMex BR1.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Parentage: selected from Texas Early Grano 502 PRR. Characteristics: yellow short day onion, high yield, excellent bolting resistance. 1983.

NuMex Casper.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Characteristics: white intermediate day onion, excellent scale color. Resistance: pink root. 1992.

NuMex Centric.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Characteristics: yellow early long day onion, sweet Spanish type, high yield, high percentage of single centers. Resistance: excellent to pink root. 1995.

NuMex Crispy.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Parentage: from Temprana x Yellow Granex. Characteristics: white short day onion, low pungency, excellent scale color. Resistance: excellent to pink root. 1995.

NuMex Dulce.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Parentage: from NuMex Starlite. Characteristics: yellow short day onion, low pungency. Resistance: excellent to pink root. 1995.

NuMex Jose Fernandez.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Characteristics: yellow intermediate day onion, high yield. Resistance: excellent to pink root. 1994.

NuMex Luna.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Characteristics: yellow intermediate day onion, high yield, firm bulbs. Resistance: pink root. 1995.

NuMex Mesa.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Parentage: from NuMex BR1 x Buffalo. Characteristics: yellow short day onion, nice scale, firm bulbs, excellent bolting resistance. Resistance: excellent to pink root. 1995.

NuMex Starlite.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Parentage: from Texas Grano 502 PRR. Characteristics: yellow short day onion, high yield, large bulbs, low pungency, good bolting resistance. Resistance: excellent to pink root. 1990.

NuMex Sundial.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Parentage: selected from Ben Shemen. Characteristics: yellow intermediate day onion, high yield, hard bulb. Resistance: excellent to pink root. 1987.

NuMex Sunlite.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Parentage: selected from Texas Early Grano 502 PRR. Characteristics: yellow short day onion, high yield, uniform size and shape, excellent bolting resistance. Resistance: excellent to pink root. 1987.

NuMex Suntop.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Parentage: selected from Ben Shemen. Characteristics: yellow intermediate day onion, high yield, hard bulb. Resistance: excellent to pink root. 1987.

NuMex Sweetpak.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Characteristics: yellow short day onion, early maturing grano type, low pungency. Resistance: excellent to pink root. 1997.

NuMex Vado.—Breeder: J. Corgan. Vendor: New Mexico State Expt. Stn. Characteristics: yellow short day onion, high yield, firm bulbs. Resistance: pink root. 1995.

Omega.—Breeder and vendor: Nick-Zwaan. Characteristics: 5–10 days earlier than Brown Beauty where tested in Colorado. Resistance: pink root, tolerance to fusarium. Similar: Brown Beauty. 1988.

Omni (SUNEX1505).—Breeder and vendor: Sunseeds. Characteristics: very early maturity, firm globe, white. Resistance: pink root. Similar: Rio Unico. 1995.

Orange Countess (XPH 3465).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: full season Spanish hybrid, excellent storage. Similar: Cima. 1995.

Oro Grande (FMX 70W6).—Breeder: E. Wheeler. Vendor: Ferry-Morse. Characteristics: hybrid, high yield, intermediate to long day, high percentage of jumbos, bulbs globe to blocky globe, medium bronze skins, medium hard firmness, flesh is white, fairly mild, Spanish type. Similar: Vega. 1985.

Oswego.—Breeder and vendor: Dakota. Characteristics: long day, yellow storage type. Resistance: pink root, fusarium. Similar: Legacy. 1993.

Ottawa.—Breeder and vendor: Dakota. Characteristics: yellow storage type. Similar: Legacy. 1993.

Palomino (Granny-X).—Breeder and vendor: Shamrock. Characteristics: short day, main season, yellow, flat globe. Resistance: pink root, bolting. Similar: Texas Grano 502. 1989.

Payette (PS74089).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: yellow sweet Spanish type, long term storage, attractive scale color and retention, 120 day maturity. Resistance: pink root. Similar: Apex, Cima, Vega.

Payola (SSC 1001).—Breeder and vendor: Shamrock. Characteristics: short day, early maturity, large, tapered, yellow globe. Resistance: pink root, bolting. 1991.

Pegasus (XPH6020).—Breeder: R. Jones. Vendor: Asgrow. Characteristics: hybrid, full season, Granex type, 10 days later than Granex 33, sweet mild flavor. Resistance: pink root. Similar: Granex 33. 1994.

Perla.—Breeder: L. Pike, Texas A&M Univ. Characteristics: short day, white onion, round to slightly flattened globe, excellent root system, excellent shipping ability. Resistance: pink root. Similar: New Mexico White Grano. PVP. 1989.

Pima.—Breeder and vendor: Golden Valley. Characteristics: hybrid, white Spanish type. 1991.

Pinnacle (PSX62088).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: long day type, globe shape, jumbo size, mild flavor, bright brown scale. 1991.

Polaris.—Breeder and vendor: Dakota. Characteristics: intermediate day, white type. Resistance: pink root. Similar: Midstar. 1993.

Popago.—Breeder and vendor: Golden Valley. Characteristics: midseason white Spanish hybrid. 1991.

Pre-Pak.—Breeder and vendor: Rispens. Characteristics: long storage, very hard. Resistance: pink root, fusarium. Similar: Trapps #8. 1993.

Primavera (PSI685).—Breeder: A. Burkett. Vendor: Petoseed. Characteristics: short day hybrid yellow very early, good large Grano-shaped bulb with small necks, excellent scale retention. 1989.

Pueblo.—Breeder and vendor: Dakota. Characteristics: yellow,

long day, hard storage type. Resistance: pink root, fusarium. Similar: Legacy. 1993.

Puma.—Breeder and vendor: Golden Valley. Characteristics: early maturity, yellow hybrid, Spanish type. 1991.

Quest (PS760).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: fresh-market or processor type large yellow, globe shaped, main season maturity, excellent ring quality, large sizes, high percentage single centers. Resistance: pink root. Similar: Valdez, Oro Grande.

Red 21.—Breeder and vendor: California State Expt. Stn. Characteristics: same as California Early Red UC Number 1. 1943.

Red Bandana (HMX2326).—Breeder and vendor: Harris Moran. Characteristics: short day type, red in color, early maturity, jumbo size, globe shaped bulbs. Resistance: pink root. 1992.

Red Bluff.—Breeder and vendor: Dakota. Characteristics: intermediate day, red type. Resistance: pink root. 1993.

Red Burgermaster (PSX163537).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: bright red, globe shape, large to jumbo sizes, attractive red and white flesh, good storage, good scales. Similar: Mars. 1994.

Red Comet PRR (Z303PRR).—Breeder: L. Kyle. Vendor: Neuman. Characteristics: hybrid, early maturity, flattened bulb, red short day type. Resistance: pink root, bolting, greening. 1989.

Red Cross.—Breeder and vendor: Takii. Characteristics: overwintering red onion. Resistance: tolerance to botrytis, downy mildew. 1988.

Red Delicious.—Breeder and vendor: Burpee. Characteristics: globe shaped, milder flavor than smaller red globe types, long day onion, good for spring-planted crop in most of the United States.

Red Delite (Crk W156).—Breeder: W. McDonald. Vendor: Crookham. Characteristics: hybrid, large-sized bulb with uniform dark red interior and exterior color, bulbs uniform, globe shape, very high percentage of single centers. Resistance: tolerance to pink root. Similar: Southport Red Globe. 1982.

Red Star (PS1067).—Breeder: A. Burkett. Vendor: Petoseed. Characteristics: early Creole type, red. Similar: Red Creole, Red Pinoy. Resistance: pink root. 1994.

Redbone (XP6013).—Breeder: R. Jones. Vendor: Asgrow. Characteristics: thick, flat, short day, red type, good color both interior and exterior, high percentage of single centers, good bolting resistance. Resistance: pink root. Similar: Ruby. PVP. 1990.

Redman.—Breeder: E. Wheeler. Vendor: Ferry-Morse. Characteristics: red, open pollinated population with good storage. 1985.

Regiment (XPH3804).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: midseason hybrid Spanish type. Resistance: pink root, bolting, fusarium. Similar: Vega. 1994.

Reina Blanca PRR (Z506PRR).—Breeder: L. Kyle. Vendor: Neuman. Characteristics: hybrid, white, short day type. Resistance: pink root, bolting, greening. 1989.

Renegade.—Breeder and vendor: Dakota. Characteristics: yellow short day; not the same as Renegade from Rispens (1994). Resistance: pink root. Similar: Texas Early Grano. 1993.

Renegade.—Breeder and vendor: Rispens. Characteristics: 115 day, Spanish by eastern, good size with very good storage and yield; not the same as Renegade from Dakota (1993). Resistance: tolerance to pink root, fusarium. Similar: Valiant. 1994.

Rio Blanco Grande (RCSX 903).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: late white, which produces very large bulbs. Resistance: pink root. Similar: White Grano. 1987.

Rio Bravo (RCSL 1102).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: early maturity, Granex type, large deep bulbs, yellow color. Resistance: pink root, bolting. Similar: Granex 33. 1986.

Rio Corona (RCSX 1229).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: early maturity, intermediate daylength, good brown skin. Resistance: excellent tolerance to pink root. 1988.

Rio Durado.—Breeder and vendor: Rio Colorado. Characteristics: hybrid, early maturity, intermediate day, yellow Spanish type. Resistance: pink root, bolting. 1989.

Rio Estrella (RCSX1466).—Breeder and vendor: Rio Colorado. Characteristics: hybrid, yellow, Grano type, unusual mildness, high

seedling vigor, large uniform bulbs, earlier than 1015Y. Resistance: pink root, bolting. Similar: 1015Y. 1989.

Rio Hondo V.S. (RCSL 1317).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: sweeter taste than Rio Hondo, considered a sweet onion. Resistance: tolerance to pink root. Similar: Rio Hondo. 1987.

Rio Jefe (RCSL 1203).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: white Grano shape, producing large bulbs. Resistance: pink root. Similar: Robust. 1987.

Rio Nevada (RCSX9544).—Breeder and vendor: Rio Colorado. Characteristics: hybrid, white Grano, high seedling vigor, very large uniform bulbs, exhibits wide adaptability in growing regions. Resistance: pink root. Similar: Blanco Duro. 1989.

Rio Oso (RCSX 682).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: deep bronze, round bulb, very firm. Resistance: pink root. Similar: Ben Sheman. 1988.

Rio Plata (RCSL 1202).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: white, deep, Granex type, outstanding bolting resistance. Resistance: pink root. Similar: Early Supreme. 1968.

Rio Raji Red.—Breeder and vendor: Rio Colorado. Characteristics: hybrid, early maturity, Granex type. Resistance: pink root, bolting. 1989.

Rio Redondo (RCSX9536).—Breeder and vendor: Rio Colorado. Characteristics: hybrid, white, Grano type, high seedling vigor, large uniform bulbs, 1 week earlier than Early White Supreme. Resistance: pink root, bolting. Similar: Rio Plata. 1989.

Rio Santiago (RCSX1445-16).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: round red hybrid, early maturing. Adaptation: New Mexico, Texas. 1989.

Rio Selecto (RCSX 1325).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: Grano type, early maturing. 1987.

Rio Sonora (RCSX 7704).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: Grano type, early maturing. 1989.

Rio Unico (RCSX9535).—Breeder and vendor: Rio Colorado. Characteristics: hybrid, white, Grano type, high seedling vigor, large uniform bulbs, onions tend to mature at the same time. Resistance: pink root, bolting. Similar: Robust. 1989.

Rio Verde (RCSX 7704-3).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: green bunching hybrid, *Allium cepa*. Resistance: heat; tolerance to pink root. 1988.

Rio Verde PRR (RCSX 948).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: green bunching type, long white shanks, early maturity. Resistance: strong to pink root. Similar: White Sweet Spanish Valencia. 1987.

Rio Zorro (RCSX 1329).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: Grano type, late maturing. 1988.

Riviera (XPH3746).—Breeder: R. Jones. Vendor: Asgrow. Characteristics: intermediate day length, yellow type, good vigor, large thick flat bulbs, low percentage of splits and doubles. Resistance: pink root. Similar: Cimarron. 1991.

San Juan.—Breeder and vendor: Dakota. Characteristics: short day, yellow, high yielding. Resistance: pink root. Similar: Gran Prix. 1992.

San Lucas.—Breeder and vendor: Dakota. Characteristics: short day, white, high yielding. Resistance: pink root, bolting. Similar: Early White Supreme. 1992.

San Mateo.—Breeder and vendor: Dakota. Characteristics: short day, red, high yielding. Resistance: pink root. Similar: Red Granex. 1992.

San Paulo.—Breeder and vendor: Dakota. Characteristics: short day, yellow, high yielding. Resistance: pink root. Similar: Gold Rush. 1992.

San Tomas.—Breeder and vendor: Dakota. Characteristics: short day, red, thick flat bulb. Resistance: pink root. Similar: Tropicana. 1992.

Sangria (SSC-8379).—Breeder and vendor: Shamrock. Characteristics: main season, intermediate day, red bulb, large globe-shaped, deep red color with good ring distinction. Resistance: pink root, bolting. Similar: Tango. 1991.

Savannah Sweet (PS5783).—Breeder: A. Burkett. Vendor:

Petoseed. Characteristics: hybrid, early short day, uniform, thick flat shape, small necks, golden-yellow bulbs with excellent retention. 1989.

Seneca.—Breeder and vendor: Golden Valley. Characteristics: yellow storage hybrid. Resistance: some to pink root, fusarium. 1991.

Serrana (XP8403).—Breeder: R. Jones. Vendor: Asgrow. Characteristics: tropical yellow bulb type, early maturity, good storage potential. Similar: Baia Periforme. 1993.

Seville (AX-1849).—Breeder and vendor: Aristogenes. Characteristics: outstanding vigor, high yielding ability, highly single centered, excellent uniformity, good storage quality. Resistance: pink root. Similar: Sweet Amber. 1991.

Shasta (PSX73089).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: single centers, vigorous tops. Similar: Oro Grande. 1993.

Showtime (PSX63788).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: yellow Spanish hybrid, extra-large jumbo bulbs, globe shaped, mild flavor, excellent storage, midseason maturity range. Similar: Summit. 1993.

Sin Simeon.—Breeder and vendor: Dakota. Characteristics: white, short day, high yielding. Resistance: pink root, bolting. Similar: Early White Supreme. 1992.

Sleeping Beauty (225W2).—Breeder: K. McLellan. Vendor: Ferry-Morse. Characteristics: main season, excellent yields, long storage. Similar: Sentinel. 1985.

Solid Gold (AX-1468).—Breeder: E. Wheeler. Vendor: Aristogenes. Characteristics: consistent heavy yielder of attractive, high quality, very long storing bulbs. Resistance: pink root. Similar: Paragon. 1992.

Spanish Main.—Breeder: K. McLellan, P. Olesen and Associates, Incorporated, Parma, Idaho. Vendor: Ferry-Morse. Parentage: closed. Characteristics: long day Spanish hybrid. Resistance: tolerance to pink root. Similar: El Capitan. Adaptation: areas where Yellow Sweet Spanish is grown. 1969.

Spartan Banner 80.—Breeder: USDA, Michigan State Expt. Stn. Parentage: (MSU 611-1A x MSU 611B) x MSU 2399B. 1979.

Spartan Sleeper.—Breeder: USDA, Michigan State Expt. Stn. Parentage: (MSU 2935A x MSU 1459B) x MSU 4535B. 1974.

Spirit.—Breeder and vendor: Bejo. Characteristics: hybrid, dark brown bulb, long storability. 1989.

Squire (HMX0627).—Breeder: M. Mason. Vendor: Harris Moran. Characteristics: large colossal bulbs, globe shaped. Resistance: tolerance to pink root.

Stallion (HMX2327).—Breeder and vendor: Harris Moran. Characteristics: short day onion, yellow in color, medium in maturity, globe shaped bulbs, large bulb size, excellent uniformity. 1992.

Stealth (MR7500).—Breeder and vendor: Rispens. Characteristics: 108 day onion, long day, good storage. Resistance: pink root, fusarium. Similar: Legacy. 1992.

Sterling (PSX92088).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: long day type, white sweet Spanish type, globe shaped jumbo. 1991.

Stetson (HMX2324).—Breeder and vendor: Harris Moran. Characteristics: short day onion, white in color, early-medium maturity, slightly flattened bulb shape, jumbo bulb size. Resistance: pink root, good tolerance to bolting. 1992.

Stockton G-36.—Breeder: California State Expt. Stn. Similar: Stockton Yellow Globe.

Summit (PSX64289).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: long day type, midseason globe shaped jumbo. 1991.

Sun Sweet (Sunex1504).—Breeder: I. Miller. Vendor: Sunseeds. Characteristics: short day, attractive yellow scales, mild in flavor highly single centered. Resistance: high tolerance to pink root. 1995.

Sunup (Sunex1502).—Breeder: I. Miller. Vendor: Sunseeds. Characteristics: yellow scales. Resistance: tolerance to pink root. 1995.

Super Apollo (ACX 801615).—Breeder and vendor: Abbott & Cobb. Characteristics: early maturing, uniform size and shape, good storage quality. Similar: Early Yellow Globe, Apollo. 1982.

Super Set.—Breeder and vendor: Abbott & Cobb. Characteristics: sets hold longer in storage than cultivars presently used. Similar: Ebenezer. 1982.

Super Spice 2.—Breeder and vendor: Stokes. 1988.

Super Sweet.—Breeder and vendor: Dakota. Characteristics: thick, flat yellow, very mild. Resistance: pink root. Similar: Sweet Vidalia. 1989.

Super Sweet Red.—Breeder and vendor: Dakota. Characteristics: hybrid, red, short day. Resistance: pink root. 1994.

Superior.—Breeder and vendor: Abbott & Cobb. Characteristics: medium large, deep globe, long keeping, uniform size and shape. Similar: Downing Yellow Globe. 1982.

Sweet Dixie (RCSX 7702).—Breeder: R. Kreizenbeck. Vendor: Rio Colorado. Characteristics: deep Granex type. 1989.

Sweet Perfection (XPH85N39).—Breeder: N. Molenaar. Vendor: Crookham. Characteristics: consistent high yielding, predominantly single centered, a few days earlier than Sweet Amber, longer storage than Sweet Amber. Resistance: pink root. Similar: Sweet Amber. 1989.

Sweet Success (Sunex1514).—Breeder: I. Miller. Vendor: Sunseeds. Characteristics: early maturity, low bolting, large high-quality bulbs. Resistance: pink root. Similar: Yellow Granex. 1994.

Sweet Sunrise.—Breeder and vendor: Champion. Characteristics: sweet, short day, yellow hybrid, high percentage single centers, excellent yields. Resistance: fine tolerance to pink root, good tolerance to bolting. 1995.

Sweetex (FMX 225).—Breeder: N. Dragoescu. Vendor: Ferry-Morse. Characteristics: outstanding hybrid for high percentage of jumbo sizes, Grano shape, 10–14 days earlier and stores better than 1015Y. Resistance: pink root. Similar: 1015Y. 1988.

Tampico.—Breeder and vendor: ARCO/Dessert. Resistance: pink root. 1982.

Tarmagon.—Breeder and vendor: Stokes. Characteristics: long day by short day hybrid for long day production. 1988.

Tesoro (Sunex1473).—Breeder: R. Watson. Vendor: Sunseeds. Characteristics: yellow sweet Spanish, large bulb size, good storage quality. Resistance: pink root, fusarium. Similar: Valiant. 1994.

Teton (PSX60487).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: long storage, dark scales, hard bulbs, export type. Similar: Bull Ring. 1994.

Texas Grano 438.—Breeder: L. Pike, Texas A&M Univ. Characteristics: short day, one week later than TG 1105Y, slightly flattened globe, fairly large neck, excellent root system, excellent shipping quality. Resistance: pink root. Similar: New Mexico Yellow Grano. PVP. 1989.

Texas Grano 1015Y.—Breeder: L. Pike, Texas A&M Univ. Characteristics: TEG 951C. 1987.

Texas Grano 1025Y.—Breeder: L. Pike, Texas A&M Univ. Parentage: Texas Early Grano 502 x Ben Shemen. 1987.

Texas Grano 1105Y.—Breeder: L. Pike, Texas A&M Univ. Parentage: Texas Early Grano 502 x Ben Shemen. 1987.

Tip Top [E1216 (4C-X154)].—Breeder: Sakamoto. Vendor: Ferry-Morse. Characteristics: uniform, vigorous Grano hybrid, good size, scales slightly darker than Texas Early Grano but retained much longer. Resistance: pink root. Similar: Texas Early Grano 502 PRR. 1982.

Titania (XPH3371).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: long day type, Granex shape, bulbs generally large with good scale color and retention, storability is very good. Resistance: pink root, fusarium. Similar: Dorata di Parma (Italy). 1990.

Toltec.—Breeder and vendor: Dakota. Characteristics: late maturing, high yielding, yellow sweet Spanish. Resistance: pink root. Similar: Vega. 1990.

Top Keeper.—Breeder and vendor: Takii. Characteristics: overwintering yellow type. Resistance: tolerance to botrytis, downy mildew, bolting. 1988.

Topnotch (90H4).—Breeder: N. Molenaar. Vendor: Crookham. Characteristics: very hard globe to tall globe, long term storage onion, 110 day maturity from seeding. Resistance: pink root, fusarium. Similar: Spartan Banner 80. 1994.

Topper (Briggs #1).—Breeder and vendor: Shamrock. Characteristics: early maturing, open pollinated, short day onion, very good size bolt. Adaptation: Rio Grande, New Mexico, California. Resistance: pink root. Similar: BR#1. PVP. 1989.

Torque (90H29).—Breeder: N. Molenaar. Vendor: Crookham.

Characteristics: hard storage onion for eastern U.S. mud soils, 102 day maturity from seeding, very hard round globe. Resistance: pink root, fusarium. Similar: Autumn Keeper. 1994.

Tough Ball.—Breeder and vendor: Takii. Characteristics: overwintering yellow storage type. Resistance: tolerance to botrytis, downy mildew, bolting. 1988.

Tribute (XPH3958).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: storage type of onion with round globe shape, good skin quality, trim neck. Resistance: pink root. Similar: Brown Beauty. 1993.

Trooper (MR7550).—Breeder and vendor: Rispens. Characteristics: 110 day maturity, high yield. Resistance: pink root, fusarium. Similar: Duration. 1992.

Ultra (FMX253).—Breeder: N. Dragoescu. Vendor: Ferry-Morse. Characteristics: short day yellow-copper scale color, 10–12 days earlier than Sweetex. Resistance: pink root. Similar: Sweetex. 1991.

Uno Grande PRR (Ringer PRR).—Breeder and vendor: Moran. Characteristics: deeper bulb shape than Ringer, a Texas early Grano 520 type, thinner neck diameter, 5 days earlier maturity than TEG502, short day. Resistance: pink root. Similar: Ringer. 1983.

Utopia (XPH6025).—Breeder: R. Jones. Vendor: Asgrow. Characteristics: intermediate, yellow skin, early globe shaped bulb, for immediate shipment, limited storage, early summer harvest. Similar: Cimarron. 1992.

Valiant (DEXP 592P).—Breeder and vendor: ARCO/Dessert. Characteristics: midseason Spanish type, very firm with good mechanical handling quality, long storage potential. Similar: Fiesta. 1984.

Vaquero (Sunex 1487).—Breeder: R. Watson. Vendor: Sunseeds. Characteristics: main season, yellow Spanish type capable of high yields of large bulbs with a high frequency of single centers. Resistance: pink root, fusarium basal rot. Similar: Bravado. 1992.

Viceroy (XPH3466).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: main season Spanish type for limited storage, very uniform size and shape, medium scale color. Resistance: pink root. Similar: Maya. 1993.

Viper (XPH3803).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: true Spanish long day hybrid type, improved bolting tolerance relative to Vega, bulbs with good color and scale retention, storage is limited. Resistance: pink root, fusarium. Similar: Vega. 1994.

Vision (PS754).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: hybrid yellow Spanish type, late maturity, excellent storage, jumbo and colossals, single centers. Resistance: pink root. 1995.

Vista (PSX62588).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: long day onion, globe-shaped jumbo size, excellent storage. 1991.

Voyager (HMX2613).—Breeder and vendor: Harris Moran. Characteristics: large blocky bulbs with long-term storage. Resistance: tolerance to pink root. Similar: Spartan Banner. 1991.

Warhawk.—Breeder and vendor: Dakota. Characteristics: yellow intermediate type. Resistance: tolerance to pink root. Similar: Buffalo. 1993.

White Ivory.—Breeder and vendor: Harris Moran. Characteristics: globe shape, medium-large size, excellent storage. 1992.

White Lightning.—Breeder and vendor: Dakota. Characteristics: overwintering white type. Resistance: tolerance to pink root, bolting. 1993.

White Persian.—Breeder and vendor: USDA. Characteristics: selected from PI 86279 from Persia.

Windfall (XPH3802).—Breeder: S. Hendricks. Vendor: Asgrow. Characteristics: full storage type onion with tall globe shape, good skin characteristics, excellent storability. Resistance: pink root, fusarium. Similar: Crusader. 1994.

Wolverine.—Breeder and vendor: Stokes. Characteristics: storage onion. Resistance: field tolerance to pink root. 1991.

Wrangler.—Breeder and vendor: Rispens. Characteristics: 115 day maturity, Spanish by eastern type, very uniform, large size, good storage. Resistance: tolerance to pink root, fusarium. Similar: Valiant.

Z218PRR.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: yellow bulbs, short day hybrid. Resistance: pink root, bolting. 1989.

Z222PRR.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: yellow bulbs, short day, Grano type hybrid. 1989.

Z235PRR.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: yellow bulbs, early maturity, short day hybrid, Granex type. Resistance: pink root, bolting. 1989.

Z237.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: yellow bulbs, early maturity, short day hybrid. Resistance: bolting. Similar: Z218. 1988.

Z238.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: yellow bulbs, early maturity, short day hybrid. Resistance: bolting. 1988.

Z303.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: early maturity, red flattened globe type. Resistance: pink root. 1988.

Z506.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: white bulbs, early maturity, short day hybrid. Resistance: bolting. 1988.

Z507.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: white bulbs, early maturity, short day hybrid. Resistance: pink root, bolting. 1988.

Z508.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: white bulbs, early maturity, short day hybrid. Resistance: pink root. 1988.

Z508PRR.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: white flattened bulbs, short day hybrid. Resistance: pink root, bolting. 1989.

Z512.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: white bulbs, early maturity, short day hybrid. 1988.

Z513.—Breeder: L. Kyle. Vendor: Neuman. Characteristics: selection from Early White Grano. 1988.

Zapotez.—Breeder and vendor: Dakota. Characteristics: midseason, high yielding, white sweet Spanish type. Resistance: tolerance to pink root. Similar: Blanco Duro. 1992.

Zenith (PSX63788).—Breeder: R. Engle. Vendor: Petoseed. Characteristics: long day type, late maturity, globe shaped jumbo, white flesh, light brown scales. 1990.

Zuni.—Breeder and vendor: Dakota. Characteristics: midseason high yielding, white sweet Spanish type. Resistance: tolerance to pink root. Similar: Sterling. 1991.

PEA—GREEN

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Aim (XPC206).—Breeder and vendor: Asgrow. Characteristics: second early canner with high yield. Resistance: fusarium wilt race 1. Similar: Rally. PVP. 1989.

Alfi.—Breeder and vendor: Asgrow. Characteristics: this is a name change from Diva, which was found to conflict with another cultivar in the EEC.

Argona.—Breeder: Nunhems. Vendor: Canners Seed. Characteristics: wrinkled seed, dark green, very fine sieve size. 1989.

Arise (XPF232).—Breeder and vendor: Asgrow. Characteristics: afila conversion of Spring. Similar: Spring. 1991.

Aristagreen (PS1540).—Breeder: WECO. Vendor: Ellis. Characteristics: extensive root system under wide range of soil conditions, same maturity as Dark Skin Perfection, very concentrated pod set normally three, three-four, three and three. Resistance: fusarium wilt race 5; tolerance to fusarium wilt race 6. Similar: DST Maturity. 1983.

Array (XPF226).—Breeder and vendor: Asgrow. Characteristics: very small sieve freezer with good yield. Resistance: fusarium wilt race 2. Similar: Alfi. 1990.

Aspire (XPC278).—Breeder: Asgrow. Characteristics: early afila with 3.3 sieve size and high yield. Resistance: fusarium wilt race 1. Similar: Rolly. 1994.

Augusto (XPC301).—Breeder: D. Webster. Vendor: Asgrow. Characteristics: very late maturity, wrinkled seed canner color type. Resistance: fusarium wilt race 1, pea yellow mosaic virus. 1994.

Award (XPF236).—Breeder and vendor: Asgrow. Characteristics: second early, with high yield. Resistance: fusarium wilt race 1, 2. Similar: Lotus. PVP. 1992.

Barok (XPF110).—Breeder and vendor: Asgrow. Characteris-

tics: no sales yet. Resistance: fusarium wilt races 1, 5. Similar: Dark Skin Perfection. PVP.

Bemol (XP C122).—Breeder and vendor: Asgrow. Characteristics: extremely small sieve canner pea, medium maturity. Resistance: fusarium wilt race 1, 2; moderate to pea leaf roll virus. Similar: Kriter. PVP. 1985.

Bingo (NUN 1858).—Breeder and vendor: Nunhems. Characteristics: light skinned, canner type midseason. Resistance: powdery mildew, fusarium wilt race 1. Similar: Target.

Bravo (XPF226).—Breeder and vendor: Asgrow. Characteristics: very small sieve size, freezer color; good yield. Resistance: fusarium wilt race 1, 2; bean yellow mosaic virus. Similar: Citadel. 1991.

Cabree (XPF291).—Breeder and vendor: Asgrow. Characteristics: spring maturity with yield stability, smaller sieve size and good processed quality. Resistance: fusarium wilt race 1. Similar: Spring, Revolution. 1993.

Captain (Nun1889).—Breeder and vendor: Nunhems. Characteristics: late season freezer pea, 65 day maturity, 1630 heat units, 3.6 sieve size. Resistance: root rot, fusarium wilt race 1, 5, 6. PVP. 1993.

Cascadia (OSU772).—Breeder: J.R. Baggett. Vendor: Oregon State. Characteristics: very thick walls, succulent tender and sweet pods, short plant. Resistance: pea enation mosaic virus, fusarium wilt race 1. Similar: Sugar Bon. 1992.

Ceras (XPF105).—Breeder and vendor: Asgrow. Characteristics: no sales yet, late, medium sieve freezer with high yield. Resistance: fusarium wilt race 1. Similar: Mars and Galaxie. PVP.

Citadel (XPF 157).—Breeder and vendor: Asgrow. Characteristics: very small sieve freezer pea, medium maturity. Resistance: fusarium wilt race 1, 2. Similar: Dinos. PVP. 1986.

Dali.—Breeder and vendor: Asgrow. Characteristics: synonym for Payload, for sales in EEC only (name Payload was discovered to have prior use there).

Delsey (HP-42-1-1-3).—Breeder: P. Moser. Vendor: Rogers Brothers. Characteristics: trial status, 14–15 node, multipodded dark freezer. Resistance: fusarium wilt race 1, pea leaf roll. Similar: Trident.

Denier (XPC218).—Breeder and vendor: Asgrow. Characteristics: small sieve, early, canner color. Resistance: fusarium wilt race 1. Similar: Caprice. 1991.

Dewdrop (HP147-7).—Breeder: P. Moser. Vendor: Rogers Brothers. Characteristics: trial status, multipodded 16–17 node, small sieved, dark freezer with an afila vine type. Resistance: fusarium wilt race 1, powdery mildew, pea leaf roll. Similar: Waverex.

Diva (XPF225).—Breeder and vendor: Asgrow. Characteristics: small sieve, afila freezer. Resistance: fusarium wilt race 1. Similar: Dinos. PVP. 1990.

Early Snap (XP226).—Breeder: G. Marx. Vendor: New York Agr. Exp. Sta. Characteristics: fleshy edible-podded pea, ≈3–3.25" long, vine height 18–22", maturity 18–14 days earlier than Sugar Snap. Resistance: bean yellow mosaic virus. Similar: Sugar Snap. 1982.

Elegance (XPC 141).—Breeder and vendor: Asgrow. Characteristics: small sieve canner pea with medium maturity, afila plant type. Resistance: fusarium wilt race 2. Similar: Mini. PVP. 1984.

Encore (XPF256).—Breeder and vendor: Asgrow. Characteristics: high yield, high quality, mid-late maturity. Resistance: fusarium wilt race 1, powdery mildew. Similar: Bolero. 1992.

Envy (XPC 156).—Breeder and vendor: Asgrow. Characteristics: midseason canner pea with very high yield, medium sieve size. Resistance: fusarium wilt race 1; moderate resistance: powdery mildew. Similar: EP 8221. PVP. 1985.

Epic (XPF237).—Breeder and vendor: Asgrow. Characteristics: second early, with high yield and uniform dark color. Resistance: fusarium wilt race 1, 2. Similar: Lotus. PVP. 1992.

Filly (XPF241).—Breeder and vendor: Asgrow. Characteristics: afila conversion of Flair. Similar: Flair. 1991.

Flair (XPF 176).—Breeder and vendor: Asgrow. Characteristics: small sieve, midseason freezing pea with high yield. Resistance: fusarium wilt race 1. Similar: Rally. PVP. 1987.

Fristo (XPF280).—Breeder and vendor: Asgrow. Characteristics: small sieve freezer with early maturity and wrinkled seed. Resistance: fusarium wilt race 1, bean yellow mosaic virus, ascochyta race C. Similar: Frisky, Cobalt. 1993.

Gain (XPC 173).—Breeder and vendor: Asgrow. Characteristics: medium late afila canner. Resistance: fusarium wilt race 1, moderate to powdery mildew. Similar: Pomak. PVP. 1986.

Goal (XPF97).—Breeder and vendor: Asgrow. Characteristics: no sales yet. Resistance: fusarium wilt race 1, 5. Similar: Venus. PVP.

Goya (XPF 131).—Breeder and vendor: Asgrow. Characteristics: fresh-market pea with large pods, medium color, good yield. Resistance: fusarium wilt race 1; moderate to pea leaf roll virus. Similar: Rondo. PVP. 1984.

Hailey (XPF292).—Breeder and vendor: Asgrow. Characteristics: second early maturity, medium yield, dark green color with sieve size smaller than Spring. Resistance: fusarium wilt race 1, 2. Similar: Epic, Misty. 1993.

Horison (HP337-5-2).—Breeder: P. Moser. Vendor: Rogers Brothers. Characteristics: trial stage, 14–15 node double podded freezer. Resistance: fusarium wilt race 1, powdery mildew, pea leaf roll. Similar: Headliner.

Jupiter (C 82408).—Breeder: Morris. Vendor: Rogers Brothers. Characteristics: early and midseason, light green berry, canning pea cultivar with very small sieve size of peas. Similar: Mini. PVP. 1986.

Kalamo (XPF274).—Breeder and vendor: Asgrow. Characteristics: midseason maturity afila, smaller sieve than Bolero, good plant type, yield. Resistance: fusarium wilt race 1, powdery mildew; tolerance to LBRV. Similar: Trek and Novella 2. 1993.

Karisma (XPF214).—Breeder and vendor: Asgrow. Characteristics: late afila freezer. Resistance: fusarium wilt race 1, powdery mildew. Similar: Dual. PVP. 1990.

Laser (XPF239).—Breeder and vendor: Asgrow. Characteristics: very high yield, high quality, nice sieve size. Resistance: fusarium wilt race 1, powdery mildew. Similar: Bolero. 1992.

Majestic (XPC 88).—Breeder and vendor: Asgrow. Characteristics: large, smooth seeded canner pea. Similar: Alaska. 1986.

Mariner (HP344-9-2).—Breeder: P. Moser. Vendor: Rogers Brothers. Characteristics: trial stage, 16–17 node, double-podded freezer. Resistance: fusarium wilt race 1, powdery mildew, pea leaf roll, pea enation mosaic, red clover vein mosaic. Similar: Headliner.

Matisse (XPF 315).—Breeder: Asgrow. Characteristics: second early maturity long elegant fresh-market pods. Resistance: fusarium wilt race 1. Similar: Progress 9. 1995.

Mendota (AVX 323-26).—Breeder and vendor: Sunseeds. Characteristics: full season canner, high yielding, excellent quality, determinate vine. Resistance: powdery mildew. Similar: Canners seed 8221. PVP.

Menuet (XPC 134).—Breeder and vendor: Asgrow. Characteristics: full-season, small-sieve wrinkled canner pea. Resistance: fusarium wilt race 1, 2; moderate to pea leaf roll virus. Similar: Mini. PVP. 1984.

Micro (XPF224).—Breeder and vendor: Asgrow. Characteristics: small sieve afila freezer. Resistance: fusarium wilt race 1. Similar: Citadel. PVP. 1990.

Midget (PS 1284-82-4).—Breeder: WECO. Vendor: Ellis. Characteristics: determinate plants, very upright, tiny pods, 6–8 seeds/pod, 4400 seeds/pod, can be used as canner or freezer depending on production area. Resistance: fusarium wilt race 1. Similar: Alsweets. PVP. 1983.

Nomad (Freezer 74115).—Breeder: Morris. Vendor: Rogers Brothers. Characteristics: pods concentrated near top 1/3–1/4 of plant, sets some triple pods, pea about one sieve size smaller than Dark Skin Perfection. Resistance: fusarium wilt race 1. Similar: Dark Skin Perfection. PVP. 1986.

Northstar (H955-13-2).—Breeder: P. Moser. Vendor: Rogers Brothers. Characteristics: trial status, 11-node double-podded freezer cultivar with a determinate pod set. Resistance: fusarium wilt race 1, pea leaf roll. Similar: Fridgit.

Now (XPF 137).—Breeder and vendor: Asgrow. Characteristics: second early freezer with medium sieve size, excellent for maturity. Resistance: fusarium wilt race 1. Similar: Spring. 1983.

Opal (PS 1301).—Breeder: WECO. Vendor: Ellis. Characteristics: early canner, medium sieve, 13th mode, light green foliage, double and triple podded, excellent quality and production potential. Resistance: powdery mildew, fusarium wilt races 1, 2. Similar: Canner Perfection 53 except one week earlier. PVP. 1984.

Oregon 523 (OSU 523).—Breeder: J.R. Baggett. Vendor: Oregon State Univ. Resistance: pea enation mosaic virus, fusarium wilt race 1. Similar: Small Sieve Freezer. Adaptation: commercial freezing. 1985.

Oregon 605 (OSU 605).—Breeder: J.R. Baggett. Vendor: Oregon State Univ. Characteristics: freezing pea, medium dark green color, slightly earlier than Dark Skin Perfection. Resistance: pea enation mosaic virus, powdery mildew, common pea wilt, red clover. Similar: Dark Skin Perfection. 1982.

Oregon Giant (OSU 706).—Breeder: J.R. Baggett. Vendor: Oregon State Univ. Characteristics: large edible pod, wrinkled seed. Resistance: Pea enation mosaic virus, powdery mildew, fusarium wilt race 1. Similar: Oregon Sugarpod. 1991.

Oregon Sugarpod 2 (OSU 581).—Breeder: J.R. Baggett. Vendor: Oregon State Univ. Adaptation: commercial freezing. Resistance: pea enation mosaic virus, fusarium wilt race 1. Similar: Small Sieve Freezer. 1985.

Oregon Trail (OSU 695).—Breeder: J.R. Baggett. Vendor: Oregon State. Resistance: pea enation mosaic virus, powdery mildew, fusarium. Similar: Dark Skin Perfection. 1991.

Paint (Nun1040).—Breeder and vendor: Nunhems. Characteristics: early freezer, 58 day maturity, 10 nodes to first bloom, 3.9 sieve size. Resistance: common wilt, fusarium root rot. PVP. 1993.

Paladio (XPF293).—Breeder: Asgrow. Vendor: Asgrow. Characteristics: second early maturity, high yield for fresh-market type. Resistance: fusarium wilt race 1. Similar: Progress 9. 1993.

Patio (Freezer 73196).—Breeder: Morris. Vendor: Rogers Brothers. Characteristics: very short, dwarf vine cultivar with 4–5 double pods, very small sieve size, novelty type well suited to where space is limited. Similar: Lehi. 1983.

Payload (XPC 135).—Breeder and vendor: Asgrow. Characteristics: early large sieve canner pea with high yield. Resistance: fusarium wilt race 1, near wilt race 2. Similar: Dawn. PVP. 1985.

Perk (XPF 139).—Breeder and vendor: Asgrow. Characteristics: an afila type freezer with good yield, midseason maturity, medium sieve size. Resistance: fusarium wilt race 1. Similar: Puget. PVP. 1983.

Piano (XPC270).—Breeder and vendor: Asgrow. Characteristics: small sieve canner with good yield, medium maturity. Similar: Kriter. 1992.

Podella (Nun7757).—Breeder: Nunhems Zaden. Vendor: Nunhems. Characteristics: edible pod. Resistance: fusarium, oxysporum race 1. Similar: Snow Pea. PVP. 1991.

Polaris (AVX 329).—Breeder: Sunseeds. Vendor: Sunseeds. Characteristics: an early main season freezer with high yield on a wiry stemmed determinate, very uniform vine, berry size in the 4–5 sieve size. Similar: Mars. PVP.

Preston (XPF235).—Breeder and vendor: Asgrow. Characteristics: main season freezer pea with wide adaptability, good yield. Resistance: fusarium wilt race 1, pea leaf roll virus. Similar: Quantum. 1994.

Princess (PS 433).—Breeder: WECO. Vendor: Ellis. Characteristics: round, smooth, dark green, excellent split pea color and quality, color superior in uniformity than Scotch Green. Resistance: bleaching, fusarium wilt race 1, 2. Similar: Scotch Green. 1984.

Pronto (XPC205).—Breeder and vendor: Asgrow. Characteristics: this is a name change: the original name, Start, was believed to be in conflict with Star 9 in the EEC catalog. 1990.

Quantum (XPF210).—Breeder and vendor: Asgrow. Characteristics: high-yielding late freezer. Resistance: fusarium wilt race 1, powdery mildew (SPR). Similar: Rigo. PVP. 1989.

Rampart (XPF 151).—Breeder and vendor: Asgrow. Characteristics: late, high-yielding small sieve freezer pea with an afila plant type. Resistance: fusarium wilt race 1. Similar: Ivy. PVP. 1985.

Renown (XPF267).—Breeder and vendor: Asgrow. Characteristics: high-yielding midseason freezer with good quality. Resistance: fusarium wilt race 1, 2; downy mildew. Similar: Bolero. PVP. 1992.

Revolution (FR80-1789-1).—Breeder: J. Morris. Vendor: Rogers Brothers. Characteristics: revolution is a freezing-type cultivar that is ≈1 day earlier maturing than the cultivar Sparkle and has a smaller berry size and darker color; an early, medium-small sieve cultivar. Resistance: fusarium wilt race 1. Similar: Sparkle. PVP. 1990.

Richmond (SVC14936).—Breeder and vendor: Svalof. Charac-

teristics: maturity early, 1–2 days earlier than Express with equal yield. Similar: Express. PVP. 1992.

Saber (XPC 136).—Breeder and vendor: Asgrow. Characteristics: late maturing canner with small sieve size, high yields. Resistance: fusarium wilt race 1; moderate to pea leaf roll virus. Similar: Nugget. 1985.

Scepter (Nun1844).—Breeder and vendor: Nunhems. Characteristics: full season canner, 14–15 nodes to first bloom, 3.9 sieve size. Resistance: common wilt, fusarium, root rot, powdery mildew. PVP. 1992.

Shield (XPC209).—Breeder and vendor: Asgrow. Characteristics: midseason canner. Resistance: powdery mildew (ER), fusarium wilt race 1. Similar: Pomak. PVP. 1989.

Snowflake (EP80-278).—Breeder: Morris. Vendor: Rogers Brothers. Characteristics: flat-podded sugar pea type with determinate perfection type vine, is double podded. Resistance: fusarium wilt race 1, powdery mildew. Similar: Oregon Sugar Pod. 1983.

Spartan (HP48-11).—Breeder: P. Moser. Vendor: Rogers Brothers. Characteristics: 16–17 node multipodded freezer cultivar. Resistance: fusarium wilt race 1, powdery mildew, pea leaf roll. Similar: Trident. 1989.

Stampede (XPF 138).—Breeder and vendor: Asgrow. Characteristics: an afila type freezer with good yield, midseason maturity, medium sieve size, excellent quality. Resistance: fusarium wilt race 1. Similar: Bolero. PVP. 1983.

Start (XPC205).—Breeder and vendor: Asgrow. Characteristics: early, good yield, canner. Resistance: fusarium wilt race 1. Similar: Dawn. PVP. 1990.

Sunset (AVX 326).—Breeder and vendor: Sunseeds. Characteristics: early sweet canner, has ability to set single, double, and triple flowers, pods at the first and second fruiting nodes. Similar: Dane. PVP.

Super Sugar Snap (SP537-8-1).—Breeder and vendor: Rogers Brothers. Characteristics: round, straight pods on 5' tall standard leaf vine, pods are stringed, 5/8" wide × 3" long, 66 day maturity. Resistance: powdery mildew; tolerance to bean leaf roll virus. Similar: Sugar snap.

Sweet Dreams.—Vendor: Burpee. Characteristics: bicolor tall, climbing.

Sweeto (XPC299).—Breeder: Asgrow. Characteristics: small sieve early maturity canner high yield. Resistance: fusarium wilt race 1. Similar: Denier. 1995.

Tacoma (XPF266).—Breeder and vendor: Asgrow. Characteristics: midseason maturity afila, medium yield, good plant type. Resistance: fusarium wilt race 1, powdery mildew; tolerance to bean leaf roll virus. Similar: Trek, Novella 2. 1993.

Talbot (XPF290).—Breeder and vendor: Asgrow. Characteristics: 1 day later than Spring in maturity, smaller sieve, high yield for the maturity range. Resistance: fusarium wilt race 1. Similar: Epic, Misty. 1993.

Talon (XPF227).—Breeder and vendor: Asgrow. Characteristics: very small sieve size; freezer color; good yield. Resistance: fusarium wilt races 1, 2. Similar: Citadel. 1991.

Targhee (NUN1961).—Breeder and vendor: Nunhems. Characteristics: excellent berry color early midseason freezer type. Resistance: fusarium wilt race 1, 2; tolerance to fusarium root rot. Similar: 9889 Freezer.

Tasman (HP255-1-6).—Breeder: P. Moser. Vendor: Rogers Brothers. Characteristics: 17 node, double-podded freezer cultivar with a determinate set, multiple disease resistance. Resistance: fusarium wilt races 1, 5, 6, powdery mildew, pea leaf roll. Similar: DSP. 1989.

Taxi (FR81-217).—Breeder: J. Morris. Vendor: Rogers Brothers. Characteristics: late maturity (dark skin perfection maturity), 66 cm, determinate vine, with dark green, medium-small sieve size berry, double pods that are pointed with 8–10 peas per pod. Resistance: fusarium wilt race 1, powdery mildew. Similar: Hurst Green Arrow. PVP. 1989.

Television.—Vendor: Vilmorin. Characteristics: green peas, semi-dwarf, 75 cm, giving very large, dark green twin pods, 13 cm, containing 9–10 peas which are very sweet, semi-early, very productive. 1955.

Treat (XPF 175).—Breeder and vendor: Asgrow. Characteristics: small sieve, early-mid freezer with high yield. Resistance: fusarium wilt race 1. Similar: Trend. PVP. 1987.

Trek (XPF 150).—Breeder and vendor: Asgrow. Characteristics: afila plant, midseason, medium sieve freezer. Resistance: fusarium wilt race 1. PVP. 1985.

Trump (NUN1961).—Breeder and vendor: Nunhems. Characteristics: excellent berry color, early midseason, freezer type. Resistance: fusarium wilt race 1, 2; tolerance to fusarium root rot. Similar: Fraser.

Turbo (XP C208).—Breeder and vendor: Asgrow. Characteristics: midseason canner. Resistance: powdery mildew, fusarium wilt race 1. Similar: Pomak. PVP. 1989.

Utrillo (XPF 132).—Breeder and vendor: Asgrow. Characteristics: fresh-market pea with very large, dark green pods. Resistance: fusarium wilt race 1, moderate to pea leaf roll virus. Similar: Rondo. 1984.

Valgreen (PS 1536).—Breeder: WECO. Vendor: Ellis. Characteristics: extensive root system under range of soil types; very concentrated pod set—normally 4, 4, 3, and 2; normally 4 days later than DSP. Resistance: fusarium wilt race 5; tolerance to fusarium wilt race 6. Similar: Puget, Aristagreen. 1983.

Vulcan (XPF 149).—Breeder and vendor: Asgrow. Characteristics: large sieve, medium-maturity freezer pea with afila plant type. Resistance: fusarium wilt race 1. Similar: Venus. PVP. 1985.

PEPPER

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860 Rogers.—Breeder and vendor: Rogers. Characteristics: Blocky 4-lobed fruit that matures from green to yellow. Resistance: Tobacco Mosaic Virus, Potato Virus Y, Stip. Similar: Valiant, Excalibur, Orabelle.

Amando (Nun 6040).—Breeder and vendor: Nunhems Zaden. Characteristics: Cayenne fruit type, elongated fruit length 160–180 mm, dark green color turning dark red on ripening, very hot. 1990.

Amigo (SPP9101).—Breeder: D. Gilbert. Vendor: Sakata. Characteristics: Large, blocky bell. Resistance: Tobacco Mosaic Virus. Similar: Bell Captain, Jupiter. 1989.

Antohti Romanian.—Vendor: Johnny's. Parentage: Romanian heirloom. Characteristics: Open-pollinated, pale yellow ripening to red fruit, 102 × 51 mm fruit size, upright plants, non-pungent. 1991.

Aruba (NVH3078).—Breeder and vendor: Rogers. Characteristics: Hybrid Cubanelle, 64 days to maturity. Vigorous erect plant, best suited to planting slots where adequate fruit size is a problem, large fruited. Similar: Key Largo. 1993.

Banana Supreme (PSX56685).—Breeder and vendor: Petoseed. Characteristics: Long, yellow sweet pepper, very high yielder, vigorous medium-size plant, spreading upright habit. 1989.

Belconi.—Breeder and vendor: Vilmorin. Characteristics: Marconi type variety potentially strong upright form, very open and early, pointed fruit, smooth skinned, and quite thick, intensive green fruit, becomes shiny red at maturity, excellent appearance. Similar: Marconi. 1987.

Belle Star (FMX 730).—Breeder: S. Tambo. Vendor: Ferry-Morse. Characteristics: Vigorous, medium upright plants, very concentrated set of thick-walled, blocky, dark glossy green fruit. Resistance: Tobacco Mosaic Virus. Similar: California Wonder, Yolo Wonder. 1983.

Belmont (XPH 5488).—Breeder and vendor: Asgrow. Characteristics: Heavy, thick walls, long blocky fruit, green to red, tall bush with extensive foliage cover, long picking period potential.

Big Thai.—Breeder and vendor: Burpee. Characteristics: F₁ hybrid, Asian hot type, 102–127 mm fruit on 762-mm plants, fruit matures from green to dark red. Burpee Seed Catalog. 1995.

Bighart.—Breeder: W.H. Greenleaf, M.H. Hollingworth, H. Harris, K.S. Rymal. Parentage: Truhart Perfection Pimiento, Santanka, Exp. No. 1950-2015C, South Carolina Cayenne, Keystone Resistant

Giant, Yolo Wonder A. Characteristics: Open-pollinated, pimiento type, high yielding, concentrated fruit set and fruit maturity, thicker walls, and higher pack-out when processed. Resistance: Tobacco Mosaic Virus. Similar: Truhart Perfection Pimiento. Adaptation: Southern and southeast U.S. HortScience 4:334–338. 1969.

Bonita (FMX 1169).—Breeder and vendor: Ferry-Morse. Characteristics: Excellent vigor and high yield, excellent staked production. Resistance: Tobacco Mosaic Virus. Similar: Galaxy, Jupiter, Verdel.

Capistrano.—Breeder and vendor: Petoseed. Characteristics: Sweet bell, blocky, large fruit. PVP 9000220. 1990.

Carlos.—Breeder and vendor: Nunhems Zaden. Characteristics: Lamuyo fruit type, vigorous plant type with firm stem, very early variety, red ripe. Resistance: Tobacco Mosaic Virus and Potato Virus Y. 1990.

Carolina Cayenne.—Breeder: R.L. Fery, P.D. Dukes, W.L. Ogle. Parentage: Selection from Carolina Hot. Characteristics: Open-pollinated cayenne type, more uniform, for horticultural traits than Carolina Hot, fruit is straighter, shorter, and thicker than Carolina Hot, fruit length is 100 mm, fruit diameter 6.4 mm, pungency (105,000 Scoville heat units). Resistance: Southern root-knot nematode. Similar: Carolina Hot. HortScience 21:330. 1986.

Carousel.—Breeder: D. Gilbert. Vendor: Sakata. Characteristics: Immature yellow flesh, sweet. Similar: Cubanelle. 1989.

Chocolate Beauty (PSX88888).—Breeder and vendor: Petoseed. Characteristics: Sweet pepper with large, smooth bell type. Fruit turn from a medium-dark green to chocolate brown at full maturity. Resistance: Tobacco Mosaic Virus. 1993.

Commandant (NVH 3085).—Breeder and vendor: Rogers. Characteristics: Deep, blocky, medium dark green fruit turning red at maturity. Resistance: Bacterial leaf spot races I, II, III; Tobacco Mosaic Virus, Potato Virus Y, Pepper Mottle Virus. Similar: Boyton Belle, Camelot X 3R.

Corno Verde (008187).—Breeder: J. Waltrip. Vendor: Petoseed. Characteristics: Long green to red sweet peppers, pointed smooth thick-walled fruit, large vigorous plant, late maturity. Similar: Corno di Toro type.

Delicias (PS204490).—Breeder: K. Owens. Vendor: Petoseed. Characteristics: Mildly pungent, compact medium size, early midseason. Resistance: Tobacco Etch Virus, Potato Virus Y, Pepper Mottle Virus. Similar: Jalapeno M. 1994.

Dracma (XP4046).—Breeder and vendor: Asgrow. Characteristics: A large-fruited, yellow bell type for open field culture. Similar: Jumbo Giallo. 1989.

Early Crisp Hybrid.—Breeder and vendor: W. Atlee Burpee Seed Co. Characteristics: Medium to large green ripening to red bell pepper, short season 60 days, sets well in cool weather. Resistance: Tobacco Mosaic Virus, Tobacco Etch Virus, Potato Virus Y.

Ebano Jalapeno (Sunex4504).—Breeder: S. Tambo. Vendor: SunSeeds. Characteristics: Very dark (almost black) color, glossy, heavy yielder with sturdy stems, and very smooth. Resistance: Potato Virus Y, and Tobacco Etch Virus. Similar: Jalapeno M. 1990.

Empressa (XP5545).—Breeder and vendor: Asgrow. Characteristics: Large-fruited, thick-walled, green-red, 4-lobed fruit on a tall, vigorous plant. Similar: Keystone Resistant Giant No. 4. 1990.

Enterprise (XPH12101).—Breeder and vendor: Asgrow. Characteristics: Large fruited, green to red color, 3- to 4-lobed sweet bell. Resistance: Bacterial leaf spot I, II, III; Tobacco Mosaic Virus. Similar: Lancelot. 1995.

Espanola Improved.—Breeder: F.B. Matta and R.M. Nakayama. Vendor: New Mexico Crop Improvement Assn. Parentage: A native northern New Mexico chile and Sandia. Characteristics: Open-pollinated New Mexican type, early maturing plant height 300–650 mm, fruit 157 × 36.3 mm. Adaptation: Northern-central New Mexico. HortScience 19:454. 1984.

Estar (Nun8025).—Breeder and vendor: Nunhems Zaden. Characteristics: Dulce Italiano fruit type, early variety, light to medium green fruit, turns red on ripening. Resistance: Tobacco Mosaic Virus race PO. 1993.

Estima (Nun8018).—Breeder and vendor: Nunhems Zaden. Characteristics: Lamuyo type, very early, square, 4-lobed fruit, turns red on ripening, open plant type. Resistance: Tobacco Mosaic Virus race PO.

Similar: Carlos. 1992.

Excalibur (PSX25785).—Breeder and vendor: Petoseed. Characteristics: Blocky bell, large, green to red; medium plant. Resistance: Tobacco Mosaic Virus. 1989.

Firenza.—Breeder and vendor: Rogers. Characteristics: F₁ hybrid jalapeno with dark green, cylindrical fruit, fruit mature from green to red. Similar: Jalapeno M. and Mitla. 1994.

Flamingo (HMX7660).—Breeder and vendor: Harris Moran. Characteristics: Immature fruit are whitish-yellow, ripening first to orange-pink, then to orange-red, medium-sized bell, mostly 3-lobed, tapered to the blossom end, very smooth and firm, with a much greater diameter than Gypsy. Similar: Gypsy. 1992.

FLBG-1.—Breeder: R. Subramanya, H.Y. Ozaki, T.A. Zitter. Vendor: Univ. of Florida, AREC, Belle Glade, FL. Parentage: Cubanelle, Agronomico-8. Characteristics: growth, size, and maturity similar to Cubanelle, foliage and immature fruit more yellowish than Cubanelle, main use as a virus resistant parent. Resistance: Tobacco Etch Virus, Pepper Mottle Virus, Potato Virus Y. Similar: Cubanelle. Adaptation: Florida. Similar: Cubanelle. HortScience 18:493-494. 1983.

Florida VR 2-34.—Breeder: A.A. Cook. Parentage: Selection from Florida VR-2. Characteristics: Open-pollinated bell pepper, produces greater total yield and larger fruit than Florida VR-2 and Early California Wonder. Resistance: Tobacco Mosaic Virus, Tobacco Etch Virus, Potato Virus Y. Similar: VR-2. Adaptation: General. HortScience 19:311. 1984.

Florida VR4.—Breeder: A.A. Cook. Parentage: Delray Bell and Florida VR2. Characteristics: Open-pollinated bell pepper, fruit green turning red at maturity, fruit size 80 × 100 mm, mostly 4-lobed, fruit wall thickness 5–6 mm, larger fruit than Early Calwonder. Resistance: Tobacco Mosaic Virus, Tobacco Etch Virus, Pepper Mottle Virus, Potato Virus Y. Similar: Jalapeno M. Adaptation: Florida. HortScience 19:456. 1984.

Florida XVR 3-25.—Breeder: A.A. Cook. Parentage: USDA P.I. 260435 (*C. chacoense*), Lincoln Bell, Florida VR2. Characteristics: Open-pollinated bell pepper, plants 450 mm tall, 500 mm wide, fruit green turning to red, fruit size 80 × 100 mm. Resistance: Tobacco Etch Virus, Potato Virus Y, bacterial leaf spot pathotypes 1 and 2. HortScience 19:735. 1984.

Four Corners E1212 (6CX722).—Breeder: S. Tambo. Vendor: Ferry-Morse. Characteristics: Very early maturing (≈70 days after transplanting), predominantly four-lobed fruit with dark green color and thick walls (11.5 mm), very concentrated set and uniform maturity. Resistance: Tobacco Mosaic Virus. Similar: California Wonder 300. 1982.

Fry King (XP031).—Breeder: E. Grubbs. Vendor: Agway. Characteristics: Sturdy, upright plant with indeterminate fruiting habit, excellent yield, fruit are large and smooth, pale green in color, frying type pepper. Similar: Cubanelle. 1984.

Garden Salsa (PSX204187).—Breeder and vendor: Petoseed. Characteristics: Romital type, medium early maturity, large fruit 25 × 178 mm, smooth, medium thick walls, medium pungency, turn green to red at maturity. Resistance: Tobacco Mosaic Virus. Similar: Romital. 1993.

Garden Sunshine.—Breeder: A.H. Millet and R.A. Jones. Vendor: Dept. of Vegetable Crops, Univ. of California, Davis. Parentage: Aconagua, Yolo Wonder. Characteristics: Open-pollinated bell pepper, lemon-yellow immature fruit color that ripens to bright red, developed for home garden. Resistance: Tobacco Mosaic Virus. Adaptation: California growing areas. HortScience 17:683. 1982.

Giant Ace.—Breeder and vendor: SunSeeds. Characteristics: Ability to set a crop of fancy 4-lobed fruit under all growing conditions with medium early maturity. Resistance: Tobacco Mosaic Virus. Similar: Keystone Resistant Giant. Adaptation: Wide.

Grande (PS205090).—Breeder and vendor: Petoseed. Characteristics: Jalapeno type, vigorous, dark green to red, mid-early maturity, medium pungency, large plant. Resistance: Tobacco Etch Virus, Potato Virus Y. Similar: Mitla, Jalapeno M, Ole. 1994.

Guam Super Hot.—Breeder: C.T. Lee. Parentage: *C. frutescens* land race. Characteristics: Open-pollinated piquin type, 1- to 2-m plant height, 5 × 17 mm fruit size, fruit matures to bright red, and very

pungent (4000 Scoville heat units). Similar: Guam regular hot. Adaptation: Guam and Northern Marianas Islands. HortScience 22:1341. 1987.

Gusto (FM 284).—Breeder and vendor: Ferry-Morse. Characteristics: Early concentrated crown set attractive smooth fruit. Resistance: Tobacco Mosaic Virus and Potato Virus Y. Similar: Jupiter, Capistrano.

Inferno (PS216590).—Breeder and vendor: Petoseed. Resistance: Tobacco Mosaic Virus. Similar: Hungarian Yellow Wax. 1993.

Ivory (PEP9147).—Breeder and vendor: Northrup-King. Characteristics: 3–4 lobed blocky bell pepper that is ivory-waxy colored at maturity, medium large fruit size, fruit begins very light green maturing to soft yellow when past optimum harvest stage. Similar: Garden Sunshine. 1991.

Jaloro.—Breeder: B. Villalon, F.J. Dainello, D.A. Bender. Parentage: AC2207, USDA P.I. 264280, Jalapeno L, Caloro. Characteristics: Open-pollinated, jalapeno type, pungent bright yellow fruit turning to bright red at maturity, 54 × 28 mm fruit size, 4.13-mm wall thickness, 3–4 locules, high temperature fruit set (38 °C). Resistance: Texas isolates of Tobacco Mosaic Virus, Tobacco Etch Virus, Potato Virus Y, Tobacco ringspot Virus, Cucumber Mosaic Virus. Adaptation: Texas, New Mexico, California. HortScience 29:1092–1093. 1992.

Jingle Bells (PSX9289).—Breeder and vendor: Petoseed. Characteristics: Extremely early bell pepper, very prolific, produces miniature fruit ≈37 × 37 mm plants grow ≈406 mm tall, spread ≈356 mm. Maturity is ≈60 days from transplants. Fruit red at full maturity. Resistance: Tobacco Mosaic Virus. 1992.

Jupiter (NV 3101).—Breeder: T. Williams. Vendor: Northrup-King. Characteristics: Sweet bell type, extremely blocky, produces very large, mostly 4-lobed fruit, PVP 8400065. Resistance: Tobacco Mosaic Virus. Similar: Bell Boy, Early California Wonder. 1982.

Kaala.—Breeder: K.Y. Takeda, J.S. Tanaka, T.T. Sekiaka, R.A. Hamilton. Parentage: Chabai Merah, Keystone Resistant Giant. Characteristics: Open-pollinated, bell pepper type, 3-lobed, nonpungent. Resistance: Bacterial wilt (*P. solanacearum*) when temperature is below 27 °C. HortScience 31:1054. 1996.

King Arthur (PSX10088).—Breeder and vendor: Petoseed. Characteristics: Blocky bell, good set in hot weather. Resistance: Tobacco Mosaic Virus, Potato Virus Y, Tobacco Etch Virus, Bacterial leaf spot. 1990.

Lilac (PEP9151).—Breeder and vendor: Northrup-King. Characteristics: Lavender-colored bell pepper, actual color resulting from a purple on ivory-waxy bell, remains in lavender phase much longer than most purple bells, medium-small in size, fruit are occasionally slightly pointed. Resistance: Tobacco Mosaic Virus, Stip. Similar: Purple Bell or Purple Beauty. 1991.

Lipstick.—Breeder: R. Johnston. Vendor: Johnny's. Characteristics: 25 X 51 mm fruit size, cone shape, thick flesh, fruit is green ripening red, very sweet taste, early maturity. Resistance: Tobacco Mosaic Virus. 1987.

Loribelle (BOSS1100).—Breeder: B. Orsetti and S. Tambo. Vendor: Orsetti Seed Co. Characteristics: Medium large upright plants with adequate foliage cover, fruit are large, medium dark green that are glossy in appearance and predominately 4-lobed and thick walled. Resistance: Tobacco Mosaic Virus, Pepper Mottle Virus, Tobacco Etch Virus. Similar: Keystone Resistant Giant. 1992.

Mandarin.—Breeder and vendor: Rogers. Characteristics: Unique orange color in large fruited elongated bell pepper, 127–165 mm length, medium vigorous plant 74–78 days maturity. Resistance: Tobacco Mosaic Virus. Similar: Valencia. 1994.

Marbles (OSU S-14).—Breeder: J.R. Baggett and D. Kean. Vendor: Oregon Agr. Exp. Sta. Parentage: Nosegay and Fiery Festival. Characteristics: Dwarf, compact, small cherry type fruit; color mix of ivory, purple, red; slightly hot. HortScience 23:1097. 1988.

Margarita (PEP 0487).—Breeder and vendor: Rogers. Characteristics: 3–4 lobed, smooth, elongated pepper, green to red, early maturing. Resistance: Stip, Tobacco Mosaic Virus. Similar: Elisa, Macabe.

Marquis (PEP9144).—Breeder and vendor: Northrup-King. Characteristics: 3–4 lobed elongated green to red bell 127 × 140 mm fruit size, thick walls, medium dark green fruit matures to an attractive red,

good firmness when mature. Resistance: Tobacco Mosaic Virus, Potato Virus Y, Tobacco Etch Virus, Stip. Similar: Clovis. 1991.

Merlin (PSX20685).—Breeder and vendor: Petoseed. Characteristics: Early main-season vigorous plant slightly spreading habit. Resistance: Tobacco Mosaic Virus. 1990.

Mesilla (PS210388).—Breeder and vendor: Petoseed. Characteristics: Cayenne type fruit, 37 × 279 mm long, tapered and rough, pendant fruit attachment upright plant, midseason maturity. Resistance: Tobacco Mosaic Virus, Potato Virus Y, Tobacco Etch Virus. Similar: Cayenne Large Red Thick.

Migold.—Breeder: S. Honma and H.C. Price. Parentage: Avelar, Romanian, Kupos, Umajoiri. Characteristics: Open-pollinated bell pepper, 3-lobed, yellow immature fruit color ripening to orange-red, fruit size 60 × 130 mm, sturdy plant structure. Similar: Romanian. Adaptation: Northern U.S. HortScience 21:1243. 1986.

Mission Belle (FMX 724).—Breeder: S. Tambo. Vendor: Ferry-Morse. Characteristics: Medium large, dark green thick-walled fruit, heavy and concentrated set with potential for once-over harvest. Resistance: Tobacco Mosaic Virus. Similar: Yolo Wonder. 1983.

Mitla.—Breeder: K. Owens. Vendor: Petoseed. Characteristics: F₁ hybrid, early jalapeno type, uniform large fruit, exceptional yielder, green fruit turn red at maturity, highly pungent. 1990.

Monalisa (FMX 1199).—Breeder and vendor: Ferry-Morse. Characteristics: Elongated pepper, lamuyo type, smooth thick walled, green to red color, mostly 4 lobes. Resistance: Tobacco Mosaic Virus, Potato Virus Y. Similar: Elisa, Vidi.

Montego (JSS8110).—Breeder and vendor: Johnny's. Characteristics: 178 X 76 mm pointed fruit, pale yellow ripening to red, thick fruit walls, juicy, mild, sweet taste. Similar: Cubanella. 1989.

Moreno Belle (MFX100).—Breeder: S. Tambo. Characteristics: Large fruit, medium dark green, blocky, mostly 4-lobed and thick-walled, tends to have indeterminate fruiting habit, prolific. Resistance: Tobacco Mosaic Virus, Potato Virus Y, and tolerant to Tobacco Etch Virus. Similar: Keystone Resistant Giant #3. 1993.

Nathalie (PEP2129).—Breeder and vendor: Rogers. Characteristics: Dark green fruit, 140 mm long, dual lobed fruit, 105 days to maturity. Resistance: Potato Virus Y. Similar: Magda and Agronomic.

Navajoa (PS219090).—Breeder: J. Bill. Vendor: Petoseed. Characteristics: Early New Mexican type, improved uniformity, concentrated set. Similar: Sonora Anaheim, Anaheim TMR23.

Navolato (PS243592).—Breeder: J. Bill. Vendor: Petoseed. Characteristics: Large plant, deep blocky green to red fruit, main season, no anthocyanin. Resistance: Potato Virus Y, Stip. Similar: Galaxy.

Neptune (NVH3053).—Breeder and vendor: Northrup-King. Characteristics: Excellent bell pepper with superior qualities when maturing to red. Resistance: Tobacco Mosaic Virus. Similar: Jupiter. 1987.

New Mexico No. 9.—Breeder: F. Garcia. Parentage: Pasilla, chile colorado, chile negro. Characteristics: Open-pollinated, New Mexican type, the first cultivar of the New Mexican (Anaheim) type, green immature fruit ripening to red. Adaptation: Southwestern U.S. New Mexico State Univ. Bulletin No. 124. 1921.

North Star (PSX786).—Breeder and vendor: Petoseed. Characteristics: Bell pepper, very productive, recommended for short season areas, 3–4 lobes, large fruit. Resistance: Tobacco Mosaic Virus. 1989.

NuMex Bailey Piquin.—Breeder: P.W. Bosland and J. Iglesias. Vendor: New Mexico Crop Improvement Assn. Parentage: Selection from a chile accession from the Caribbean area of Mexico. Characteristics: Open-pollinated, piquin type, erect and machine harvestable fruit, an upright semi-determinate, nonspreading plant habit, highly pungent (97,000 Scoville Heat Units), Adaptation: Wide. HortScience 27:941–942. 1991.

NuMex Big Jim.—Breeder: R. Nakayama. Vendor: New Mexico Crop Improvement Assn. Characteristics: Open-pollinated, New Mexican type, large fruit, in Guinness book of records as the world's largest pepper, thick fleshy fruit with hook at tip, smooth surface, light green fruit flatten and ripens to red, high variability among plants for pungency. Similar: New Mexico 6. Adaptation: Southwestern U.S. 1975.

NuMex Centennial.—Breeder: P.W. Bosland, J. Iglesias, and M.M. Gonzalez. Vendor: Bailey Seeds. Parentage: New Mexico Capsicum Accession 10009, originally from Chihuahua, Mexico.

Characteristics: Open-pollinated, ornamental type, compact plant, purple flowers and foliage, erect fruit are purple, then ripen to yellow, then to orange, and lastly, red. Adaptation: General. HortScience 29:1092. 1988.

NuMex Conquistador.—Breeder: P.W. Bosland, J. Iglesias, and S.D. Tanksley. Vendor: New Mexico Crop Improvement Assn. Parentage: A selection from New Mexico 6-4. Characteristics: Open-pollinated, New Mexican type, non-pungent, multipurpose green immature fruit ripening to red, round shoulders, pointed tip, smooth surface, thick flesh, 2 locules. Similar: New Mexico 6-4. Adaptation: Southwestern U.S. HortScience 26:215–216. 1991.

NuMex Eclipse.—Breeder: P.W. Bosland, J. Iglesias, and S.D. Tanksley. Vendor: New Mexico Crop Improvement Assn. Parentage: Permagreen and New Mexico 6-4. Characteristics: Open-pollinated, New Mexican type, ornamental use, green immature fruit matures to brown, similar in pungency and flavor to New Mexico 6-4. Similar: NuMex Sunrise and NuMex Sunset. Adaptation: General. HortScience 29:1091. 1988.

NuMex Joe E. Parker.—Breeder: P.W. Bosland J. Iglesias, and M.M. Gonzalez. Vendor: New Mexico Crop Improvement Assn. Parentage: A selection from New Mexico 6-4. Characteristics: Open-pollinated, high yielding, New Mexican type, less variability in horticultural traits than New Mexico 6-4, green immature fruit ripening to red, 2 locules. Resistance: Tobacco Mosaic Virus. Similar: New Mexico 6-4. Adaptation: Southwestern U.S. HortScience 28:347–348. 1990.

NuMex Mirasol.—Breeder: P.W. Bosland and M.M. Gonzalez. Vendor: New Mexico Crop Improvement Assn. Parentage: La Blanca and Santaka. Characteristics: Open-pollinated, Mirasol type, multistemmed bush, 610 mm tall and 381 mm wide, upright fruit, sets in clusters, green immature fruit turning red at maturity, 52 × 19 mm fruit. Adaptation: Southwestern U.S. HortScience 29:1091. 1993.

NuMex R Naky.—Breeder: R.M. Nakayama and F.B. Matta. Vendor: New Mexico Crop Improvement Assn. Parentage: Rio Grande, Bulgarian Paprika, New Mexico 6-4, northern New Mexico native-type. Characteristics: Open-pollinated New Mexican type, yields better and has better red color than New Mexico 6-4. Pungency is very mild (700 Scoville heat units). Similar: New Mexico 6-4. Adaptation: Southwestern U.S. HortScience 20:961–962. 1985.

NuMex Sunburst.—Breeder: P.W. Bosland. Vendor: Bailey Seeds. Parentage: USDA PI 357573. Characteristics: Open-pollinated, de Arbol pod type, ornamental use, pendulate fruit, green immature fruit ripening to orange, 71 × 13 mm fruit size. Similar: NuMex Sunflare and NuMex Sunglo. Adaptation: General. HortScience 27:1341–1342. 1991.

NuMex Sunflare.—Breeder: P.W. Bosland. Vendor: Bailey Seeds. Parentage: USDA PI 357573. Characteristics: Open-pollinated, de Arbol pod type, ornamental use, pendulate fruit, green immature fruit ripening to red, 73 × 12 mm fruit size. Similar: NuMex Sunglo and NuMex Sunburst. Adaptation: General. HortScience 27:1341–1342. 1991.

NuMex Sunglo.—Breeder: P.W. Bosland. Vendor: Bailey Seeds. Parentage: USDA PI 357573. Characteristics: Open-pollinated, de Arbol pod type, ornamental use, pendulate fruit, green immature fruit ripening to yellow, 83 × 14 mm fruit size. Similar: NuMex Sunflare and NuMex Sunburst. Adaptation: General. HortScience 27:1341–1342. 1991.

NuMex Sunrise.—Breeder: P.W. Bosland, J. Iglesias, and S.D. Tanksley. Vendor: New Mexico Crop Improvement Assn. Parentage: Permagreen and New Mexico 6-4. Characteristics: Open-pollinated, New Mexican type, ornamental use, green immature fruit matures to yellow, similar in pungency and flavor to New Mexico 6-4. Similar: New Mexico 6-4. Adaptation: General. HortScience 29:1091. 1988.

NuMex Sunset.—Breeder: P.W. Bosland, J. Iglesias, and S.D. Tanksley. Vendor: New Mexico Crop Improvement Assn. Parentage: Permagreen and New Mexico 6-4. Characteristics: Open-pollinated, New Mexican type, ornamental use, green immature fruit matures to orange, similar in pungency and flavor to New Mexico 6-4. Similar: NuMex Sunrise and NuMex Eclipse. Adaptation: General. HortScience 29:1091. 1988.

NuMex Sweet.—Breeder: P.W. Bosland J. Iglesias, and M.M.

Gonzalez. Vendor: New Mexico Crop Improvement Assn. Parentage: Selection from New Mexico 6-4. Characteristics: Open-pollinated, New Mexican paprika type, 2-locule, round shouldered, pointed tip, smooth fruit, high red color, better yielding than NuMex R Naky. Similar: NuMex R Naky. Adaptation: Southwestern U.S. HortScience 28:860-861. 1990.

NuMex Twilight.—Breeder: P.W. Bosland, J. Iglesias, and M.M. Gonzalez. Vendor: Bailey Seeds. Parentage: New Mexico Capsicum Accession 10488, originally from Jalisco, Mexico. Characteristics: Open-pollinated, ornamental type, compact plant, white flowers and green foliage, erect fruit are purple, then ripen to yellow, then to orange, and lastly, red. Resistance: Cucumber Mosaic Virus Adaptation: General. HortScience 29:1092. 1994.

Olympic (XPH 5013).—Breeder and vendor: Asgrow. Characteristics: An early fruiting, yellow bell type, thick walled, high percentage of 4-lobed fruit, large-leafed plant protects fruit from scald. Similar: Marengo. 1984.

Ori.—Breeder and vendor: Vilmorin. Characteristics: Yellow fruit variety suitable for protected cropping out of season in Mediterranean areas, average plant vigor, with short internodes, very good early marketable yield, thick fleshy fruit. Resistance: Tobacco Mosaic Virus, Potato Virus Y. Similar: Helder. 1986.

Pak Bell (Sunre 4503).—Breeder: S. Tambo. Vendor: SunSeeds. Characteristics: Blocky, thick-walled prolific bell; green to red maturity. Early maturity. Resistance: Tobacco Mosaic Virus. Similar: Big Bell and Bell Boy. 1990.

Paprika Supreme (PSX72285).—Breeder and vendor: Petoseed. Characteristics: New Mexican paprika type, 10-14 days earlier than standard paprika varieties and much better yield. Fruit are 178 mm long, flat, thin-walled, mild and mature to a bright intense red color. Resistance: Tobacco Mosaic Virus. Similar: PapriQueen. 1994.

Pimiento Elite (PSX46450).—Breeder and vendor: Petoseed. Characteristics: A thick walled pimiento type that matures a week earlier than the open-pollinated, standard pimientos and sets more fruit, fruit measure 76 × 63 mm, heart-shaped. Resistance: Tobacco Mosaic Virus. Similar: Pimiento L. 1993.

Pimlico (HMX2662).—Breeder: J. Scott. Vendor: Harris Moran. Characteristics: Bell type, deep, dark green color, large 4-lobed fruit. Resistance: Tobacco Mosaic Virus, Potato Y Virus, Tobacco Etch Virus. Similar: Grande Rio 66. 1994.

Predi.—Breeder and vendor: Vilmorin. Characteristics: A versatile variety with guaranteed earliness and quality, average plant vigor well suited for protected and outdoor cultivation very thick fleshy fruit. Resistance: Tobacco Mosaic Virus. 1986.

Primadona (FMX 1145).—Breeder and vendor: Ferry-Morse. Characteristics: Blocky-shaped fruit with walls that average 6 mm, the length of fruit average 139 × 102 mm; attractive fruit have smooth shoulders and mature red; the 1st, 2nd, 3rd sets all produce quality fruit. Resistance: Tobacco Mosaic Virus. Similar: Galaxy, Jupiter, Verdell.

Rampage (PSX062071).—Breeder and vendor: Petoseed. Characteristics: Early maturity (65-70 days). Huge yields of 134 × 88 mm, 3-4 lobed bell peppers that mature from green to red, sturdy upright plants. Resistance: Tobacco Mosaic Virus. Similar: Bell Boy. 1993.

Ranger (XPH5544).—Breeder and vendor: Asgrow. Characteristics: A large fruit, 3-4 lobed, green to red type with thick walls, early maturity, erect bush with good foliage cover, long picking potential. Similar: Keystone Resistant Giant No. 3. 1989.

Rebell (XPH5693).—Breeder and vendor: Asgrow. Characteristics: Midseason square green to red bell pepper, medium large plant. Resistance: Bacterial leaf spot races 1 and 2. Similar: Belmont. 1991.

Redlands Sweet Sue.—Breeder: A.M. Hibberd, D. Gillespie, G.C. Nahrung, D.M. Persley. Vendor: New World Seeds. Parentage: Yolo Y, Hungarian yellow wax. Characteristics: Open-pollinated, non-pungent, smooth skin, fruit shape similar to Sweet Banana, size and color similar to Cubanelle. Resistance: Bacterial leaf spot, one strain of Potato Virus Y. HortScience 23:1095-1096. 1988.

Renegade (XPH5964).—Breeder and vendor: Asgrow. Characteristics: Green to red sweet bell with large fruit, medium tall plant with excellent canopy. Resistance: Bacterial leaf spot races 1 and 2. Similar: Ranger. 1993.

Rio Grande Gold.—Breeder: B. Villalon, F.J. Dainello, D. Bender. Vendor: Asgrow. Parentage: USDA P.I. 342947, Avelar, Yolo Y, Caloro. Characteristics: Open-pollinated, sweet yellow wax type, more compact and shorter than Caloro, strong main stem, sturdy branches, 60 × 34 mm fruit size, bright yellow turning to deep orange-red fruit, sets at high temperature (33 °C). Resistance: Tobacco Mosaic Virus, Tobacco Etch Virus, Pepper Mottle Virus, Potato Virus Y. Similar: Caloro. Adaptation: Texas, New Mexico, California. HortScience 23:1094. 1988.

Rio Verde (HMX3670S).—Breeder: E. Retes. Vendor: Harris Moran. Characteristics: Long, slim, cylindrical fruit uniform shape and size, high yields. Similar: Tanysiqueno 76. 1995.

Riot (OSU S-4).—Breeder: J.R. Baggett and D. Kean. Vendor: Oregon Agr. Exp. Sta. Characteristics: Ornamental dwarf, compact, upright, conical, early, hot; color mix of ivory, purple, red; earlier, more dwarf than Fiery Festival. Similar: Fiery Festival. HortScience 23:1097. 1988.

Rosita.—Breeder and vendor: Rogers. Characteristics: Green to red maturity, elongated shape. Resistance: Tobacco Mosaic Virus pathotypes 1,2,3. Similar: Clovis. 1994.

Sandia.—Breeder: R. Harper. Vendor: New Mexico Crop Improvement Assn. Parentage: New Mexico No. 9 and Anaheim. Characteristics: Open-pollinated, New Mexican type, produces long, medium-wide pods with medium thick walls, rounded shoulders, green fruit maturing to red, 170 × 37 mm fruit size, highly pungent. Similar: New Mexico No. 9. Adaptation: Southwestern U.S. 1956.

Senorita (PSX204490-A).—Breeder and vendor: Petoseed. Characteristics: Jalapeno pepper with very mild taste, mild pungency, less than 600 Scoville heat units under most growing conditions. Resistance: Tobacco Mosaic Virus, Tobacco Etch Virus, Pepper Mottle Virus. Similar: TAM Mild Jalapeno 1. 1995.

Sonora Anaheim.—Breeder: K. Owens. Vendor: Petoseed. Characteristics: Large smooth fruit, New Mexico type green chile for fresh market and dehydration. Resistance: Tobacco Mosaic Virus. 1991.

Starcraft (SCI503).—Breeder: S. Tambo. Vendor: Seedcraft. Characteristics: Early-maturing hybrid bell pepper, high yields of large, blocky and thick-walled fruit that are firm and glossy; color is medium dark green that turns to bright red at maturity. Resistance: Tobacco Mosaic Virus and Potato Virus Y tolerant. Similar: Yolo Wonder L. 1990.

Sunsation (PSX008229).—Breeder and vendor: Petoseed. Characteristics: Large 284 g, green to yellow blocky bell pepper, main season. Resistance: Bacterial leaf spot races 1,2,3. Similar: Summer Flavor 860. 1994.

Super Thai (RSX007222).—Breeder: J. Waltrip. Vendor: Petoseed. Characteristics: Small tapered 88 × 12 mm green to red pungent fruit, early maturity, a low bush. Similar: Super Cayenne. 1994.

Sweet Havana (PSX88450).—Breeder and vendor: Petoseed. Characteristics: Very early maturity (65 days), sweet frying pepper, ivory fruit color turns red at full maturity, fruit measure 164 long × 63 mm wide at shoulder. Similar: Cubanelle.

TAM Mild Chile-2.—Breeder: B. Villalon, F.J. Dainello, W.N. Lipe, R.M. Taylor. Vendor: Foundation Seed Service, Texas AES. Parentage: Agronomico-8, Avelar, Anaheim TMR23, Cal-Compact 528. Characteristics: Open-pollinated New Mexican type, multipurpose chile for green and red uses. Resistance: Tobacco Mosaic Virus, Tobacco Etch Virus, Pepper Mottle Virus, Potato Virus Y. Adaptation: Texas, New Mexico, California. HortScience 21:1468. 1986.

TAM Mild Jalapeno-1.—Breeder: B. Villalon. Vendor: Foundation Seed Service, Texas AES. Parentage: USDA P.I. 342947, Avelar, Jalapeno L. Characteristics: Open-pollinated Vera-Cruz type jalapeno, mildly pungent, compact plant frame, tolerance to high temperature setting, suitable for mechanical harvesting. Resistance: Tobacco Mosaic Virus, Tobacco Etch Virus, Pepper Mottle Virus, Potato Virus Y. Similar: Jalapeno M. Adaptation: General. HortScience 18:492-493. 1981.

Texabelle (ACX-828435).—Breeder and vendor: Abbott & Cobb. Characteristics: Mid-early maturity, uniform, blocky mostly 4-lobed. Similar: California Wonder. 1983.

Thai Dragon (PS007090).—Breeder and vendor: Petoseed. Characteristics: Prolific fruit set of very hot 88 mm thin walled peppers that

dry quickly, used in oriental cooking. Similar: Red Chili. 1994.

Tinker Bell (PSX9289).—Breeder and vendor: Petoseed. Characteristics: Extremely early bell pepper, produces miniature fruit $\approx 37 \times 37$ mm, very prolific on 406 mm high bush that spreads ≈ 356 mm, 60 day maturity, produces red ripe fruit. Resistance: Tobacco Mosaic Virus. 1991.

USAJ15.—Breeder: A.A. Cook. Parentage: USDA PI 265281, a plant from Ecuador. Characteristics: Open-pollinated cayenne type, narrow leaves, slightly open plant growth habit, mature fruit red, fruit size 18×96 mm. Resistance: Tobacco Etch Virus, Potato Virus Y. HortScience 19:310. 1984.

Vidi.—Breeder and vendor: Vilmorin. Characteristics: Early production, excellent fruit quality, plant with short internodes, average vigor that keeps producing in difficult weather conditions, thick fleshy fruit, average weight over 200 g. Resistance: Tobacco Mosaic Virus, Potato Virus Y. Similar: Lamuyo and Cantarel. 1986.

Volcano (FMX 879).—Breeder: N. Dragoescu. Vendor: Ferry-Morse. Characteristics: Taller plants than Hungarian Yellow Wax with good foliage protection, fruit borne pendant, slightly larger than Hungarian Yellow Wax, glossy yellow greenish red at maturity. Similar: Hungarian Yellow Wax. 1988.

Waialua.—Breeder: K.Y. Takeda, J.S. Tanaka, T.T. Sekioka, R.A. Hamilton. Parentage: Chabai Merah, Keystone Resistant Giant. Characteristics: Open-pollinated, jalapeno type, pungent, 70×28 mm fruit size. Resistance: root knot nematode and bacterial wilt (*P. solanacearum*) when temperature is above 27°C . HortScience 31:1054. 1996.

X3R Alladin (PSX235392).—Breeder and vendor: Petoseed. Characteristics: Resistance: Tobacco Mosaic Virus, Bacterial Leaf Spot I, II, III; Potato Virus Y. Similar: SS 860.

Zerto.—Breeder and vendor: Nunhems Zaden. Characteristics: Lamuyo fruit type, early variety turns red on ripening. Resistance: Tobacco Mosaic Virus race PO. 1990.

Zico.—Breeder and vendor: Nunhems Zaden. Characteristics: California Wonder fruit type, medium early, turns red on ripening. Resistance: Tobacco Mosaic Virus and Potato Virus Y. 1990.

POTATO

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Abnaki.—Breeder: Akeley, Murphy, Cetas, USDA; and Correll, U. Maine. Parentage: USDA X1276-185 x B4116-2. Characteristics: not in production; high yield of white, round tubers; late maturity, good for tablestock, medium tuber solids. Resistance: verticillium wilt, leafroll induced net necrosis. Adaptation: northeast United States. American Potato Journal 47:229. 1970.

AC Belmont (F70021).—Breeder: Tarn, Agr. Canada, New Brunswick. Parentage: Raritan x F51013. Characteristics: medium-high yield of round, white tubers; early maturity, good for tablestock, low tuber solids, short dormancy. Resistance: fusarium tuber rot. Adaptation: produced primarily in Atlantic Canada, valid 1996. American Potato Journal 72:409. 1988.

AC Brador (F73008).—Breeder: Tarn, Agr. Canada, New Brunswick. Parentage: F61101 x F60034. Characteristics: not in production; medium yield of oblong, white tubers with yellow flesh; late maturity, good for tablestock or french fries, high tuber solids, long dormancy, bred for export. Resistance: late blight, verticillium wilt, early blight; tolerance to pea leaf roll virus. American Potato Journal 72:401. 1991.

AC Chaleur.—Breeder: Tarn, Agr. Canada, New Brunswick. Parentage: Belleisle x N457. Characteristics: medium-high yield of round, white tubers; medium-early maturity, good for tablestock, low tuber solids, medium dormancy. Resistance: PVY. Adaptation: produced primarily in Atlantic Canada, valid 1996. American Potato Journal 72:393. 1988.

AC Domino (NI051-I).—Breeder: Proudfoot, Agr. Canada, Newfoundland. Parentage: Blue Mac x SVP AM66-42. Characteristics: not

in production; high yield of round, purple tubers; late maturity, good for tablestock, high tuber solids, medium dormancy. Resistance: golden nematode, moderate-late blight. Potato Varieties in Canada, 1991. New Brunswick Dept. of Agr. 1990.

AC Novachip (F77087).—Breeder: DeJong, Agr. Canada, New Brunswick. Parentage: F68061 x F66011. Characteristics: medium-high yield of oblong, white tubers; medium maturity, good for tablestock, potato chips, medium tuber solids, medium dormancy. Resistance: common scab. Adaptation: produced primarily in Atlantic Canada, northeastern United States, valid 1996. American Potato Journal 72:417. 1990.

AC Ptarmigan (F76080).—Breeder: Lynch, Agr. Canada, Alberta. Parentage: ND6993-13 x F59103. Characteristics: medium yield of oval, lightly russeted tubers; early maturity, good for tablestock, chips, field delivery, low tuber solids, medium dormancy. Resistance: common scab. Adaptation: produced primarily in the prairie provinces of Canada, valid 1996. American Potato Journal 71:387. 1993.

Acadia Russet (F68036).—Breeder: Tarn, Young, Agr. Canada, New Brunswick. Parentage: Bake-King x Norgold Russet. Characteristics: not in production; high yield of oblong, lightly russeted tubers; late maturity, good for tablestock, medium tuber solids, short dormancy. Resistance: fusarium tuber rot. Adaptation: maritime provinces of Canada. American Potato Journal 60:925. 1981.

Agassiz (MN8586).—Breeder: Lauer, Univ. Minnesota. Parentage: MN321.64-11 x MN305.64-10. Characteristics: not in production; medium yield of oblong, russet tubers; late maturity, good for tablestock, chips, medium tuber solids, medium dormancy. Resistance: common scab, hollow heart. Potato Varieties in Canada, 1991. New Brunswick Dept. of Agr. 1983.

Alamo (B5066-3).—Breeder: Akeley, Perry, USDA, Texas A&M Univ. Parentage: Kennebec x Merrimack. Characteristics: not in production; medium-high yield of oblong, white tubers; medium-early maturity, good for tablestock, low tuber solids. Resistance: late blight, *R-gene*, common scab, net necrosis caused by pea leaf roll virus. American Potato Journal 45:139. 1967.

Alasclear (AK14-70-1-72).—Breeder: Dearborn, USDA, Univ. Alaska. Parentage: Ontario x AK1-62-90-64. Characteristics: not in production; high yield of oblong, white tubers; late maturity, good for tablestock, high tuber solids, medium dormancy. Resistance: common scab. American Potato Journal 60:189. 1981.

Alaska Red (AK5).—Breeder: Dearborn, Univ. Alaska, USDA. Parentage: AK11-57-1-59 x Red Beauty. Characteristics: not in production; medium yield of oval, red tubers; medium maturity, good for tablestock, low tuber solids. Adaptation: Alaska. American Potato Journal 54:365. 1976.

Alaska Russet (AK47-44-1R).—Breeder: Dearborn, Univ. Alaska, USDA. Parentage: Columbia Russet x MN15-2. Characteristics: not in production; low yield of long, russet tubers; late maturity, good for tablestock, medium solids. Resistance: common scab, susceptible to shatter cracking. American Potato Journal 41:137. 1963.

Allagash Russet (AF193-4).—Breeder: Reeves, Akeley, Univ. Maine, USDA. Parentage: BR7093-56 x B6024-3. Characteristics: not in production; high yield of oblong, russet tubers; medium maturity, good for tablestock, chips, french fries, medium-low tuber solids. Resistance: net necrosis caused by pea leaf roll virus, common scab. American Potato Journal 57:553. 1980.

Anson.—Breeder: Proudfoot, Agr. Canada, Newfoundland. Parentage: F53018 x Mira. Characteristics: not in production; high yield of round, white tubers; late maturity, good for tablestock, high tuber solids. Resistance: moderate to late blight. Potato Varieties in Canada, 1991. New Brunswick Dept. of Agr. 1981.

Arenac (IA1111-8).—Breeder: Thompson, Iowa State Univ., Michigan State Univ., USDA. Parentage: B595-76 x IA872-4. Characteristics: extinct; medium-high yield of round, white tubers; late maturity, good for tablestock, chips, high tuber solids. Resistance: common scab; immune to PVX. Potato Handbook, 1962, Potato Assn. Amer. 1962.

Atlantic (B6987-56).—Breeder: Webb, Wilson, Shumaker, USDA, Univ. Maine, Univ. Florida. Parentage: Wauseon x B5141-6 (Lenape). Characteristics: high yield of round, scaly tubers; medium maturity, good for chips, high tuber solids, short dormancy, popular throughout

the United States and Canada for chip production using direct-delivered potatoes, valid 1996. Resistance: golden nematode, pink eye, net necrosis caused by pea leaf roll virus; immune to PVX. American Potato Journal 55:141. 1976.

Avon (F4713).—Breeder: Young, Agr. Canada, New Brunswick. Parentage: F1464-26 x USDA X96-56. Characteristics: not in production; medium-high yield of oblong, white tubers; late maturity, good for tablestock, medium tuber solids. Resistance: late blight, *R*-gene, common scab. American Potato Journal 39:363. 1958.

Bake-King (NY3).—Breeder: Plaisted, Cornell. Parentage: Merrimack x Green Mountain. Characteristics: high yield of oblong, white tubers; medium-early maturity, good for tablestock, high tuber solids, a russetted sport was released in 1994 (APJ, 71:127). Resistance: late blight, *R*-gene. Adaptation: produced primarily in Alaska, valid 1996. American Potato Journal 44:287. 1967.

Batoche.—Breeder: Russel, Young, Agr. Canada, Saskatchewan. Parentage: Scott 2774-3R x Redskin. Characteristics: not in production; medium yield of round, red tubers; medium maturity, good for tablestock, medium tuber solids. Resistance: moderate to verticillium wilt. Potato Varieties in Canada, 1991. New Brunswick Dept. of Agr. 1976.

Beauty of Hebron.—Breeder: Coy, private. Parentage: Garnet Chili. Characteristics: open pollinated seedling; not in production; medium-high yield of oval, white-pink splashed tubers; early maturity, good for tablestock. USDA Circular 741, 1946. 1978.

Belchip (B6987-29).—Breeder: Webb, Wilson, Shumaker, USDA, Univ. Maine, Univ. Florida. Parentage: Wauseon x B5141-6 (Lenape). Characteristics: not in production; high yield of round, white tubers; late maturity, good for chips, medium tuber solids, medium dormancy. Resistance: race O of late blight, *R*-gene, heat necrosis; immune to PVA, PVX, net necrosis caused by pea leaf roll virus. American Potato Journal 57:61. 1979.

Belrus (B7147-8).—Breeder: Webb, Wilson, Shumaker, USDA, Univ. Florida, Univ. Maine. Parentage: W245-2 x Penobscot. Characteristics: medium-high yield of long, heavily russetted tubers; late maturity, good for tablestock, french fries, high tuber solids, medium dormancy. Resistance: heat necrosis, northern root knot nematode, pinkeye; immune to PVA. Adaptation: produced primarily in Maine, Florida, valid 1996. American Potato Journal 58:111. 1978.

Bison (ND6634-2R).—Breeder: Johansen, North Dakota St. Univ. Parentage: ND4652-4R x ND5124-1R. Characteristics: not in production; medium yield of round, dark red tubers; medium maturity, good for tablestock, low tuber solids, medium dormancy. Resistance: late blight race O, *R*-gene. American Potato Journal 54:189. 1974.

Blue Mac.—Breeder: Proudfoot, Agr. Canada, Newfoundland. Parentage: Arran Victory x AND5-142. Characteristics: not in production; high yield of round, purple tubers; late maturity, good for tablestock, medium tuber solids. Resistance: moderate to late blight. Potato Varieties in Canada, 1991. New Brunswick Dept. of Agr. 1979.

Brigus.—Breeder: Proudfoot, Agr. Canada, Newfoundland. Parentage: G64-124-5p x SJ62-26-14. Characteristics: not in production; high yield of oval, purple tubers with yellow flesh; medium maturity, good for tablestock, medium tuber solids, very short dormancy. Resistance: moderate to late blight, storage rots. Potato Varieties in Canada, 1991. New Brunswick Dept. of Agr. 1983.

Burbank.—Breeder: Burbank, private. Parentage: Early Rose. Characteristics: open pollinated seedling; high yield of long, white tubers; late maturity, good for tablestock, french fries, medium solids, long dormancy; the cultivar Russet Burbank is a sport of Burbank, has replaced it in production agriculture. Resistance: common scab. USDA Circ. 741, 1946. 1976.

Butte (A6371-2).—Breeder: Pavek et al., USDA, Univ. Idaho, Washington State Univ., Oregon State Univ. Parentage: A492-2 x Norgold Russet. Characteristics: high yield of long, russet tubers; late maturity, good for tablestock, french fries, medium tuber solids, medium dormancy, common garden cultivar, valid 1996. Resistance: immune to PVX, net necrosis caused by pea leaf roll virus. American Potato Journal 65:685. 1977.

Calgold (AD7267-1).—Breeder: Voss, Pavek, Univ. California, USDA. Parentage: Butte x A6680-5. Characteristics: not in production; high yield of long, lightly russetted tubers; late maturity, good for

tablestock, medium tuber solids. Resistance: verticillium wilt. Univ. of California Research Reviews, 1986, Issue 17. 1987.

Calrose (USDA 672-26).—Breeder: Clark, USDA. Parentage: Ackersgen x Katahdin. Characteristics: not in production; high yield of long, white tubers; late maturity, good for tablestock. Resistance: late blight, *R*-gene. American Potato Journal 23:343. 1946.

CalWhite (A76147-2).—Breeder: Voss, Pavek, Univ. California, USDA. Parentage: Pioneer x BC8370-4. Characteristics: very high yield of oblong, white tubers; medium-late maturity, good for tablestock, medium tuber solids, short dormancy, high in Vitamin C. Resistance: fusarium tuber rot. Adaptation: produced primarily in California, valid 1996. USDA Variety release notice, not dated. 1995.

Campbell 11 (BR6863-3).—Breeder: Nickeson, Campbell Institute. Parentage: Wauseon x B5141-6 (Lenape). Characteristics: not in production; high yield of round white tubers; maturity late, good for chips, medium tuber solids. Resistance: golden nematode, late blight, *R*-gene, verticillium wilt. American Potato Journal 54:121. 1977.

Campbell 12 (BR6626-5).—Breeder: Nickeson, Campbell Institute. Parentage: Raritan x B5413-1. Characteristics: extinct; high yield of oval, white tubers; late maturity, good for tablestock, medium tuber solids. Resistance: late blight, *R*-gene. American Potato Journal 54:121. 1978.

Campbell 13 (BR6862-2).—Breeder: Nickeson, Campbell Institute. Parentage: Wauseon x B5042-2. Characteristics: medium-high yield of oblong, white tubers; medium maturity, good for chips, medium tuber solids. Resistance: late blight, *R*-gene, golden nematode, net necrosis caused by pea leaf roll virus. Adaptation: produced primarily in Maine, valid 1996. American Potato Journal 54:121. 1978.

Campbell 14 (BR7093-23).—Breeder: Reeves, Nickeson, Univ. of Maine, Campbell Institute. Parentage: BR5960-9 x ND5737-3. Characteristics: not in production; high yield of round, white tubers; late maturity, good for tablestock, chips, medium tuber solids, medium dormancy. Resistance: verticillium wilt, net necrosis caused by pea leaf roll virus. American Potato Journal 62:215. 1985.

Caribe (F69026).—Breeder: Young, DeJong, Agr. Canada, New Brunswick. Parentage: F55066 x USDA X96-56. Characteristics: medium-high yield of oblong, purple tubers; early maturity, good for tablestock, low tuber solids, medium dormancy. Resistance: common scab. Adaptation: produced in Atlantic Canada, valid 1996. American Potato Journal 61:281. 1981.

Carlton (FS6222).—Breeder: Russell et al., Agr. Canada, Saskatchewan, New Brunswick, Alberta. Parentage: F47024 x F55069. Characteristics: medium yield of oblong, white tubers; early maturity, good for tablestock, low tuber solids. Resistance: PVX. Adaptation: prairie provinces of Canada, valid 1996. American Potato Journal 60:599. 1982.

Cascade (WN48-1).—Breeder: Hoyman, Washington State Univ. Parentage: B3820-14 x PI 214372. Characteristics: high yield of oblong, white tubers; medium maturity, good for tablestock, french fries, medium tuber solids. Resistance: net necrosis caused by pea leaf roll virus, verticillium wilt. Adaptation: produced primarily in the upper midwest of the United States, valid 1996. American Potato Journal 47:261. 1969.

Castile (B7592-1).—Breeder: Webb, Siczka, USDA, Cornell Univ. Parentage: Peconic x F107-30. Characteristics: high yield of oblong, white tubers; late maturity, good for tablestock, french fries, medium tuber solids. Resistance: golden nematode, corky ringspot, pinkeye, fusarium tuber rot. Adaptation: produced primarily in New York, valid 1996. American Potato Journal 68:453. 1991.

Catoosa (TL6279).—Breeder: Dykstra, USDA, Univ. Tennessee, Louisiana State Univ. Parentage: TL1859 (selfed). Characteristics: extinct; high yield of oval, red tubers; medium maturity, good for tablestock, low tuber solids. Resistance: common scab, late blight, *R*-gene. American Potato Journal 38:300. 1959.

Centennial Russet (WNC285-146).—Breeder: Twomey, Hoyman, Colorado State Univ., USDA. Parentage: Nooksack x WN12-3. Characteristics: medium yield of oblong, heavily russetted tubers; medium maturity, good for tablestock, medium tuber solids, long dormancy. Resistance: fusarium tuber rot. Adaptation: produced primarily in Colorado, southern California, valid 1996. American Potato Journal

54:603. 1976.

Century Russet (A74212-1E).—Breeder: Mosley, Pavek, Oregon State Univ., USDA. Parentage: A6789-7 x A6680-5. Characteristics: high yield of long, russet tubers; late maturity, good for tablestock, medium solids, medium dormancy. Resistance: verticillium wilt, common scab. Adaptation: produced primarily in Oregon, Texas, valid 1996. 1995.

Chipbelle (B6987-148).—Breeder: Webb, USDA, Univ. Florida, Michigan State Univ. Parentage: Wauseon x B5141-6 (Lenape). Characteristics: medium yield of round, white tubers; late maturity, good for chips, not in production. 1981.

Chipeta (AC80545-1).—Breeder: Holm, Pavek, Colorado State Univ., USDA, Univ. Idaho. Parentage: WNC612-13 x Wischip. Characteristics: high yield of round, white tubers; late maturity, good for chips, high tuber solids, long dormancy. Resistance: verticillium wilt, net necrosis caused by pea leaf roll virus, early blight. Adaptation: produced primarily in the western United States, valid 1996. 1993.

Chippewa (USDA 42672).—Breeder: Clark, USDA. Parentage: USDA 40568 x USDA 24642. Characteristics: high yield of oblong, white tubers; early maturity, good for tablestock, chips, low tuber solids. Resistance: net necrosis caused by pea leaf roll virus; immune to PVX. Adaptation: muck soils, produced primarily in the northeastern United States, valid 1996. American Potato Journal 8:121. 1933.

Coastal Chip (B9792-157).—Breeder: Haynes et al., USDA, Rutgers Univ., Correll Univ. Parentage: Wauseon x B5141-6 (Lenape). Characteristics: not in production; medium yield of oval, white tubers; medium-late maturity, good for chips, medium tuber solids, short-medium dormancy. Resistance: PVA, golden nematode, heat necrosis. Adaptation: mid Atlantic United States. American Potato Journal 69:515. 1990.

Coastal Russet (B9596-2).—Breeder: Siczka, Webb, Wilson, Cornell Univ., USDA, Univ. Florida. Parentage: Russet Burbank x B8281-5. Characteristics: high yield of long, russet tubers; medium maturity, good for tablestock, low tuber solids, short-medium dormancy. Resistance: net necrosis caused by pea leaf roll virus, common scab. Produce primarily in Atlantic Canada, northeastern United States, valid 1996. American Potato Journal 65:407. 1988.

Columbia Russet.—Breeder: Scott, private. Parentage: open-pollinated seedling of Wee McGregor. Characteristics: not in production; medium-high yield of oblong, russet tubers; early-medium maturity. Resistance: common scab. USDA Circ. 741, 1946. 19. 19.

Conestoga (G712-1).—Breeder: Johnston et al., Agr. Canada, Univ. Guelph. Parentage: G7063 x G6652. Characteristics: medium yield of oblong, white tubers, very early maturity, good for tablestock, chips, medium tuber solids. Resistance: net necrosis caused by pea leaf roll virus, common scab. Adaptation: produced primarily in the upper midwest of the United States, the prairie provinces of Canada, valid 1996. American Potato Journal 60:193. 1982.

Cortland (NY DFC-1).—Breeder: Reddick, Cornell. Parentage: Unnamed seedling x Menominee. Characteristics: medium yield of oblong, white tubers; medium maturity, good for tablestock. Resistance: late blight, *R*-gene. Extinct. American Potato Journal 27:1. 1947.

Crystal (ND8891-3).—Breeder: Johansen, North Dakota St. Univ. Parentage: Cascade x ND7196-18. Characteristics: not in production; medium yield of oval, white tubers; medium maturity, good for chips, medium tuber solids. Resistance: PVX, common scab. American Potato Journal 59:131. 1980.

Cupids.—Breeder: Proudfoot, Agr. Canada, Newfoundland. Parentage: N150-3 x Wauseon. Characteristics: not in production; high yield of oval, lightly russeted tubers with light yellow flesh; medium-late maturity, good for tablestock, medium tuber solids. Resistance: golden nematode. Potato Varieties in Canada, 1991. New Brunswick Dept. of Agr. 1986.

Dakchip (ND8888-2).—Breeder: Johansen et al., North Dakota St. Univ. Parentage: Cascade x Norchip. Characteristics: not in production; medium-high yield of round, white tubers; medium maturity, good for chips, medium tuber solids, short dormancy. Resistance: late blight, *R*-gene. American Potato Journal 57:567. 1979.

Delta Gold (USDA 47156).—Breeder: Reeves, Webb, USDA, Univ. Maine. Parentage: Earline x USDA 45208. Characteristics: not

in production; high yield of round, white tubers with yellow flesh; medium-late maturity, good for tablestock, medium tuber solids, short dormancy. Resistance: immune to PVA, net necrosis caused by pea leaf roll virus. American Potato Journal 57:429. 1979.

Denali (AK37-68-19-70).—Breeder: Dearborn, USDA, Univ. Alaska. Parentage: B5141-6 (Lenape) x AK1-62-90-64. Characteristics: not in production; high yield of oblong, white tubers; late maturity, good for tablestock, chips, high tuber solids, long dormancy. Adaptation: wide. American Potato Journal 56:373. 1978.

DeSota.—Breeder: Miller, Louisiana State Univ. Parentage: Triumph x Katahdin. Characteristics: extinct; high yield of oval, red tubers; early-medium maturity, good for tablestock. Resistance: PVX. American Potato Journal 25:89. 1944.

Donna (F74123).—Breeder: Young et al., Agr. Canada, New Brunswick. Parentage: Raritan x Agitato. Characteristics: not in production; high yield of oblong, white tubers with yellow flesh; medium-late maturity, good for tablestock, medium tuber solids, short dormancy, bred for export. Resistance: PVX, golden nematode, verticillium wilt. American Potato Journal 65:509. 1986.

Early Rose.—Breeder: Bresee. Parentage: open-pollinated seedling of Garnet Chili. Characteristics: not in production; medium yield of oblong, light red tubers; early maturity, good for tablestock, medium tuber solids, ancestor of many early cultivars. USDA Circ. 741, 1946. 1867.

Eide Russet (MNI0874).—Breeder: Lauer, Univ. Minnesota. Parentage: WNC325-1 x Norgold Russet. Characteristics: not in production; medium yield of oblong, russet tubers; medium maturity, good for tablestock. Resistance: common scab. 1989.

Elba (NY59).—Breeder: Thurston, Cornell Univ. Parentage: D29-10 x NY27. Characteristics: high yield of round, white tubers; late maturity, good for tablestock, medium tuber solids. Resistance: golden nematode, late blight, early blight, verticillium wilt. Adaptation: peat soils. Adaptation: produced primarily in New York, valid 1996. American Potato Journal 62:653. 1985.

Eramosa (F72217).—Breeder: Coffin et al., Agr. Canada, Ontario. Parentage: F52047 x F60019. Characteristics: high yield of oblong, white tubers; early maturity, good for tablestock, low tuber solids. Resistance: common scab. Adaptation: produced primarily in Atlantic Canada, valid 1996. American Potato Journal 66:293. 1987.

Erik (MN4536).—Breeder: Lauer, Univ. Minnesota. Parentage: ND4524-7R x ND4620-1. Characteristics: not in production; high yield of oblong, red tubers; early maturity, good for tablestock, low tuber solids. Resistance: late blight, verticillium wilt. Potato Varieties in Canada, 1991, New Brunswick Dept. of Agr. 1983.

Erli-Red (MN50.4-52-40).—Breeder: Picha, private. Parentage: MN43.23-6 x MN43.17-16. Characteristics: extinct; medium yield of round, dark red tubers; early maturity, low tuber solids. Resistance: internal defects. American Potato Journal 38:78. 1960.

Excel (Nebraska 82 49-IX).—Breeder: Werner, Univ. Nebraska. Parentage: Nebraska 143.47-16 x Nebraska 59.41-P1. Characteristics: extinct; medium yield of oblong, red tubers; medium-early maturity, good for tablestock. National Potato Germplasm Report 28:127. 1957.

Frontier Russet (A74114-4).—Breeder: Pavek et al., USDA, Univ. Idaho, others. Parentage: A66102-16 x WN330-1. Characteristics: medium yield of oblong, russet tubers; medium maturity, good for tablestock, french fries, medium tuber solids, long dormancy. Resistance: verticillium wilt, fusarium tuber rot, common scab. Adaptation: produced primarily in the western United States, Atlantic Canada, valid 1996. American Potato Journal 68:525. 1990.

Garnet Chili.—Breeder: Goodrich, private. Parentage: open-pollinated seedling of Rough Purple Chili. Characteristics: not in production; medium yield of oblong, light red tubers; late maturity, good for tablestock, important ancestor of many North American cultivars. USDA Circ. 741, 1946. 1953.

Gemchip (BR7093-24).—Breeder: Pavek et al., USDA, Univ. Idaho, others. Parentage: BR5960-9 x ND5737-3. Characteristics: high yield of oval, white tubers; late maturity, good for chips, medium tuber solids, medium dormancy. Resistance: verticillium wilt, fusarium tuber rot, net necrosis caused by pea leaf roll virus. Adaptation: produced primarily in the western United States, valid 1996. American Potato Journal 68:461. 1989.

Genesee (NY78).—Breeder: Plaisted, Cornell Univ. Parentage: M348-45 x Katahdin. Characteristics: high yield of round, white tubers; late maturity, good for tablestock, low tuber solids. Resistance: golden nematode, verticillium wilt. Adaptation: produced primarily in New York, valid 1996. *American Potato Journal* 70:897. 1993.

Golden.—Breeder: Clark, USDA. Parentage: USDA 43106 x USDA 43543. Characteristics: extinct; medium-high yield of round, white tubers with yellow flesh; late maturity, good for tablestock. *American Potato Journal* 8:121. 1935.

Goldrus (B8972-1).—Breeder: Webb et al., USDA, others. Parentage: B7583-19 x B7160-4. Characteristics: not in production; medium yield of oblong, heavily russeted tubers; early-medium maturity, good for tablestock. 1984.

Goldrush (ND1538-1Russ).—Breeder: Johansen et al., North Dakota State Univ. Parentage: ND450-3Russ x Lemhi Russet. Characteristics: medium-high yield of oblong, russet tubers; medium maturity, good for tablestock, french fries, medium tuber solids, medium dormancy. Resistance: common scab. Adaptation: produced primarily in the midwestern, western United States, valid 1996. *American Potato Journal* 71:809. 1992.

Grand Falls (F5609).—Breeder: Young, Ag Canada, New Brunswick. Parentage: F48034 x SSRPB1682C (1). Characteristics: not in production; high yield of oblong, white tubers; medium-late maturity, good for starch, high tuber solids. Resistance: fusarium tuber rot, sambucinum. *American Potato Journal* 43:323. 1965.

Green Mountain.—Breeder: Alexander, Univ. Vermont. Parentage: Excelsior x Dunmore. Characteristics: high yield of oblong, white tubers; late maturity, good for tablestock, high tuber solids, long dormancy. Resistance: fusarium tuber rot, blackleg, verticillium wilt. Adaptation: produced primarily in the northeastern United States, Atlantic Canada, valid 1996. *USDA Circ.* 741, 1946. 1985.

Haig (Nebraska 223.48-1X).—Breeder: Werner, Univ. Nebraska. Parentage: Cayuga x MN43.39-6-40. Characteristics: not in production; medium yield of oblong, white tubers; very early maturity, good for tablestock, low tuber solids. Resistance: PVX, common scab. *National Potato Germplasm Report* 28:128. 1957.

Hampton (Q54-15).—Breeder: Plaisted, Cornell Univ. Parentage: NY48 x NY51. Characteristics: high yield of round, white tubers; late maturity, good for tablestock, medium tuber solids. Resistance: golden nematode, verticillium wilt. Adaptation: produced primarily in New York, valid 1996. *American Potato Journal* 62:455. 1985.

Harford (NYCSF-11).—Breeder: Reddick, Cornell Univ. Parentage: Russet Rural x NY AFY15. Characteristics: extinct; high yield of oval, white tubers; late maturity, good for tablestock. Resistance: late blight, *R*-gene. *American Potato Journal* 27:8. 1947.

Highlat Russet (B8934-2).—Breeder: Dearborn, USDA, Univ. Alaska. Parentage: B7680-6 x B7196-25. Characteristics: not in production; high yield of oblong, russet tubers; late maturity, good for tablestock, medium tuber solids. *American Potato Journal* 58:177. 1980.

HiLite Russet (78-LCI).—Breeder: Loosli, private. Parentage: uncertain possibly Nooksack x Norgold Russet. Characteristics: medium yield of oblong, russet tubers; early maturity, good for tablestock, medium tuber solids, long dormancy. Resistance: net necrosis caused by pea leaf roll virus, common scab, hollow heart. Adaptation: produced primarily in Atlantic Canada. *Potato Varieties in Canada*, 1991. New Brunswick Dept. of Agr. 1987.

Hi-Plains (Nebraska 302.50-5).—Breeder: O'Keefe, Univ. Nebraska. Parentage: USDA X528-170 x Kasota. Characteristics: extinct; medium-high yield of oblong, lightly russeted tubers; medium-late maturity, good for tablestock, chips, low tuber solids. Resistance: common scab. *American Potato Journal* 42:361. 1965.

Hudson (NY41).—Breeder: Plaisted, Cornell Univ. Parentage: NIF-1 x 56N18-4. Characteristics: not in production; very high yield of oblong, white tubers; late maturity, good for tablestock, medium tuber solids. Resistance: golden nematode. *American Potato Journal* 50:212. 1972.

Hunter (F5350).—Breeder: Davies et al., Agr. Canada, New Brunswick. Parentage: F4823 x SSRBP834C (29). Characteristics: not in production; high yield of oval, white tubers; medium-late maturity, good for tablestock, medium tuber solids. Resistance: late

blight, *R*-gene, blackleg, verticillium wilt, corky ringspot; immune to PVX, PVA. *American Potato Journal* 40:275. 1961.

Huron (F1711-9).—Breeder: Johnston et al., Agr. Canada, New Brunswick. Parentage: Hindenburg x Sebago. Characteristics: not in production; high yield of round, white tubers; late maturity, good for tablestock, medium tuber solids. Resistance: common scab. *American Potato Journal* 35:715. 1958.

Idita Red (AK18-69-6-71).—Breeder: Carling, Univ. Alaska. Parentage: Rode Errsteling x Red Beauty. Characteristics: not in production; high yield of oblong, red tubers with yellow flesh; early maturity, good for tablestock, low tuber solids, long dormancy. *American Potato Journal* 66:741. 1989.

Irish Cobbler.—Breeder: private. Characteristics: high yield of round, white tubers with deep eyes, early maturity, good for tablestock, low tuber solids, short dormancy, the predominant cultivar in Japan, known as Danshakuimo, valid 1996. Resistance: PVA. Adaptation: produced primarily in the upper midwest of the United States. *USDA Circ.* 741, 1946.

Islander (AF186-5).—Breeder: Reeves, Akeley, others, Univ. Maine. Parentage: Chipbelle x Norchip. Characteristics: not in production; high yield of oblong, white tubers; medium maturity, good for tablestock, chips, medium tuber solids. Resistance: golden nematode, common scab, early blight, net necrosis caused by pea leaf roll virus. *American Potato Journal* 61:543. 1984.

Itasca (MN12567).—Breeder: Lauer, Univ. Minnesota. Parentage: MN304.72-10 x ND58-3. Characteristics: high yield of round, white tubers; late maturity, good for tablestock and chips, medium tuber solids. Resistance: common scab. Adaptation: produced primarily in the upper midwest of the United States, valid 1996. 1994.

Jemseg (F67072).—Breeder: Young et al., Agr. Canada, New Brunswick. Parentage: Sable x F55069. Characteristics: medium yield of oblong, white tubers; early maturity, good for tablestock, medium tuber solids. Resistance: common scab. Adaptation: produced primarily in Atlantic Canada, valid 1996. *American Potato Journal* 56:325. 1978.

Jewel (121P).—Breeder: Pratt, private. Parentage: Sebago x Stately. Characteristics: extinct; medium-high yield of oval, white tubers; medium-late maturity, good for chips. *American Potato Journal* 46:83. 1969.

Kanona (NY71).—Breeder: Plaisted, Cornell Univ. Parentage: Peconic x GN bulk pollen. Characteristics: high yield of round, white tubers; late maturity, good for chips and tablestock, medium tuber solids, medium dormancy. Resistance: golden nematode. Adaptation: produced primarily in the northeastern United States and Atlantic Canada, valid 1996. *American Potato Journal* 66:145. 1988.

Katahdin (USDA 42667).—Breeder: Clark, USDA. Parentage: USDA 40568 x USDA 24642. Characteristics: high yield of round, white tubers; late maturity, good for tablestock, medium tuber solids, medium dormancy, historically the standard for round, white fresh-market production. Resistance: PVA, PVX, PVY, net necrosis caused by pea leaf roll virus. Adaptation: produced primarily in the northeastern United States, Atlantic Canada, valid 1996. *American Potato Journal* 8:121. 1932.

Krantz (MN9648).—Breeder: Lauer, Miller, others, Univ. Minnesota, Texas A&M Univ. Parentage: MN366.65-3 x G6743-5. Characteristics: medium yield of oblong, russet tubers; medium maturity, good for tablestock, french fries, medium solids, short dormancy. Resistance: common scab, hollow heart, verticillium wilt, late blight. Adaptation: produced primarily in the northeastern United States, Atlantic Canada, valid 1996. *American Potato Journal* 65:387. 1985.

La Chipper (L91-78).—Breeder: Miller et al., Louisiana State Univ. Parentage: Cayuga x Green Mountain. Characteristics: high yield of round, white tubers; medium maturity, good for tablestock, chips, medium tuber solids. Resistance: late blight. Adaptation: produced primarily in the upper midwest, northeastern regions of the United States, valid 1996. *American Potato Journal* 40:130. 1962.

La Rouge (L42-45).—Breeder: Miller et al., Louisiana State Univ. Parentage: LA02-5 x LA02-5. Characteristics: high yield of round, red tubers; medium-late maturity, good for tablestock, low tuber solids. Resistance: common scab. Adaptation: produced primarily in the upper midwest of the United States, valid 1996. *American Potato*

Journal 40:130. 1962.

La Salle.—Breeder: Miller, Louisiana State Univ. Parentage: Chippewa x Unnamed seedling (Louisiana). Characteristics: extinct; high yield of oval, white tubers; early-medium maturity, good for tablestock. Resistance: PVX. American Potato Journal 25:89. 1948.

La Soda.—Breeder: Miller, Louisiana State Univ. Parentage: Triumph x Katahdin. Characteristics: not in production; high yield of oblong, white tubers; medium maturity, good for tablestock, medium tuber solids, medium dormancy, red skinned mutant of this cultivar, named Red LaSoda, has replaced it in commerce, valid 1996. American Potato Journal 25:89. 1948.

LaBelle (LA01-38).—Breeder: Fontenot, Louisiana State Univ. Parentage: B5461-4 x B5141-6 (Lenape). Characteristics: high yield of oblong, white tubers; medium-late maturity, good for tablestock, chips, low tuber solids, medium dormancy. Resistance: hollow heart, heat necrosis. Adaptation: produced primarily in Nebraska, valid 1996. American Potato Journal 68:13. 1989.

Lake.—Breeder: USDA. Parentage: Richters Jubel x USDA 44537. Characteristics: extinct. 1945.

Langlade (W718).—Breeder: Peloquin, Univ. Wisconsin. Parentage: Kennebec x W631. Characteristics: high yield of round, white tubers; medium maturity, good for tablestock, medium tuber solids. Resistance: common scab. Adaptation: produced primarily in the upper midwest, northeastern regions of the United States, valid 1996. Potato Varieties in Canada, 1991. New Brunswick Dept. of Agr. 1985.

Lemhi Russet (A68678-1).—Breeder: Pavék et al., USDA, Univ. Idaho. Parentage: Pioneer x A63126-8. Characteristics: not in production; high yield of long, russet tubers; late maturity, good for tablestock, french fries, high tuber solids, short dormancy. Resistance: common scab, net necrosis caused by pea leaf roll virus. American Potato Journal 58:619. 1981.

Lenape (B5141-6).—Breeder: Akeley et al., USDA, Pennsylvania State Univ. Parentage: Delta Gold x B3672-3. Characteristics: not in production; medium yield of round, white, flattened tubers; medium maturity, good for chipping, high tuber solids, short dormancy, release rescinded due to high glycoalkaloid content in tubers. Resistance: late blight, *R*-gene, PVX, net necrosis caused by pea leaf roll virus. American Potato Journal 45:142. 1967.

Mainechip (AF875-16).—Breeder: Reeves et al., Univ. Maine. Parentage: AF186-2 x AF84-4. Characteristics: medium yield of round, white tubers; medium maturity, good for chips, tablestock, high tuber solids, medium dormancy. Resistance: net necrosis caused by pea leaf roll virus. Adaptation: produced primarily in Maine, New Brunswick, valid 1996. American Potato Journal 71:237. 1991.

Mainestay (AF1060-2).—Breeder: Reeves et al., Univ. Maine. Parentage: AF431-9 x AF431-9. Characteristics: high yield of round, white tubers; medium-late maturity, good for tablestock. Resistance: net necrosis caused by pea leaf roll virus. Adaptation: produced primarily in Maine, valid 1996. 1995.

Maverick.—Breeder: Reeves, Univ. Maine. Parentage: B6330-3 x A6334-20. Characteristics: not in production; high yield of oblong, lightly russeted tubers; medium maturity, good for tablestock, low tuber solids, medium dormancy. Resistance: common scab, acid scab, silver scurf, net necrosis caused by pea leaf roll virus, late blight, *R*-gene, PVX. Potato Varieties in Canada, 1991, New Brunswick Dept. of Agr. 1986.

McCormick.—Breeder: McCormick, private. Characteristics: extinct, late maturity. Resistance: wart. USDA Circ. 741, 1946. 1982.

Michibonne (MS709).—Breeder: Thompson, Michigan State Univ. Parentage: IA902-3 x IA872-4. Characteristics: extinct. 1977.

Michigami.—Breeder: Thompson, Michigan State Univ. Parentage: IA90 x Emmet. Characteristics: extinct. 1977.

Michigold (MS704-10Y).—Breeder: Chase et al., Michigan State Univ. Parentage: Atlantic x bulk pollen. Characteristics: not in production; medium yield of round, white tubers with yellow flesh; medium maturity, good for tablestock, medium tuber solids, short dormancy. Resistance: early blight. American Potato Journal 69:629. 1988.

Michimac.—Breeder: Thompson, Michigan State Univ. Parentage: IA902-3 x Emmet. Characteristics: not in production. 1977.

Mirton Pearl (NI35-55).—Breeder: Proudfoot, Agr. Canada, Newfoundland. Parentage: Mira x F53018. Characteristics: not in

production; very high yield of oblong, white tubers with deep eyes, medium maturity, good for tablestock, medium-high tuber solids. Resistance: moderate to late blight. Potato Varieties in Canada, 1991. New Brunswick Dept. of Agr. 1975.

Monona (B3620-1).—Breeder: Stevenson et al., USDA, Frito-Lay. Parentage: B1268-46 x B1299-15. Characteristics: medium yield of oblong, white tubers; medium maturity, good for chips, low tuber solids. Resistance: PVY, PVA. Adaptation: produced throughout the United States, Canada, valid 1996. American Potato Journal 42:253. 1964.

Mouraska (LP8058).—Breeder: Freve, Agr. Canada, Quebec. Parentage: Hudson x F59103. Characteristics: high yield of oblong, white tubers; early-medium maturity, good for tablestock, early chipping, low tuber solids. Adaptation: produced primarily in Quebec, valid 1996. Potato Varieties in Canada, 1991, New Brunswick Dept. of Agr. 1990.

Nampa (A63126-2).—Breeder: Pavék et al., USDA, Univ. Idaho. Parentage: A589-65 x Norgold Russet. Characteristics: not in production; high yield of oblong, russet tubers; late maturity, good for tablestock, french fries, medium tuber solids, medium dormancy. Resistance: common scab, net necrosis caused by pea leaf roll virus, hollow heart, storage rots. American Potato Journal 50:296. 1973.

Nemarus (B9540-62).—Breeder: Goth et al., USDA. Parentage: B7160-4 x B7610-1. Characteristics: not in production; high yield of oblong, russet tubers; medium-late maturity, good for tablestock, low tuber solids, medium dormancy. Resistance: golden nematode, PVX, net necrosis caused by pea leaf roll virus, fusarium tuber rot. American Potato Journal 66:703. 1985.

Nipigon (F60051).—Breeder: Johnston et al., Agr. Canada, Ontario. Parentage: F53026 x F51043. Characteristics: not in production; high yield of oblong, white tubers; late maturity, good for tablestock, medium tuber solids. Resistance: PVX, PVY, late blight, *R*-gene. American Potato Journal 55:107. 1976.

Niska (W848).—Breeder: Lynch et al., Agr. Canada, Alberta, Univ. Wisconsin. Parentage: Wischip x B5141-6 (Lenape). Characteristics: medium yield of oval, white tubers; late maturity, good for chips, tablestock, high tuber solids, medium dormancy. Resistance: common scab, PVS. Adaptation: produced primarily in Atlantic Canada, valid 1996. American Potato Journal 68:143. 1991.

Nooksack (WNI68).—Breeder: Hoyman and Holland, USDA. Parentage: Kennebec x A501-13. Characteristics: medium yield of oblong, flat, russet tubers; late maturity, good for french fries, tablestock, high tuber solids, very long dormancy. Resistance: verticillium wilt, net necrosis caused by pea leaf roll virus, common scab. Adaptation: produced primarily in the western United States, valid 1996. American Potato Journal 51:99. 1973.

Norchief (ND5778-2R).—Breeder: Johansen et al., North Dakota State Univ. Parentage: ND4468-1R x Redkote. Characteristics: not in production; high yield of round, dark red tubers; early-medium maturity, good for tablestock, medium tuber solids. Resistance: common scab. American Potato Journal 46:298. 1968.

Norchip (ND5899-1).—Breeder: Johansen et al., North Dakota State Univ. Parentage: ND4731-1 x M5009-2. Characteristics: medium yield of round, white tubers; medium maturity, good for chips, tablestock, medium tuber solids, short dormancy, predominant chipping cultivar in North America until ≈1990. Adaptation: produced throughout the United States, Canada. American Potato Journal 46:254. 1968.

Nordak (ND457-1-10).—Breeder: Johansen et al., North Dakota State Univ. Parentage: ND457-1 x ND457-1. Characteristics: not in production; medium yield of oblong, white tubers; early maturity, good for tablestock, chips, medium tuber solids. Resistance: PVY. American Potato Journal 35:774. 1957.

NorDonna (ND1871-3R).—Breeder: Johansen et al., North Dakota State Univ. Parentage: ND206-1R x ND821-6R. Characteristics: medium yield of round, dark red tubers; medium maturity, good for tablestock, low tuber solids, medium dormancy. Adaptation: produced primarily in the upper midwest of the United States, valid 1996. 1995.

Norgleam (ND457-1-16).—Breeder: Johansen et al., North Dakota State Univ. Parentage: ND457-1 x ND457-1. Characteristics: not

in production; high yield of oblong, white tubers; early maturity, good for tablestock, chips, medium tuber solids. Resistance: PVY. *American Potato Journal* 35:774. 1957.

Norgold Russet (ND388-1 Russ).—Breeder: Johansen, North Dakota State Univ. Parentage: A119-1 x ND2475-8. Characteristics: medium-high yield of oblong, russet tubers; early maturity, good for tablestock, medium tuber solids, short dormancy, predominant early tablestock, russet cultivar in the United States until ≈1985. Resistance: common scab. Adaptation: produced primarily in Texas, 1996. *American Potato Journal* 47:201. 1964.

NorKing Russet (ND388-1 Russ).—Breeder: Johansen et al., North Dakota State Univ. Parentage: Nooksack x ND9567-2 Russ. Characteristics: medium-high yield of oblong, heavily russetted tubers; medium maturity, good for french fries and tablestock, medium tuber solids, long dormancy. Resistance: common scab, verticillium wilt. Adaptation: produced primarily in the western United States, Atlantic Canada, valid 1996. *American Potato Journal* 63:701. 1985.

Norkota.—Breeder: USDA. Parentage: Rural New Yorker x Katahdin. Characteristics: extinct; high yield of oblong, white tubers; good for tablestock. USDA Circ. 741, 1946. 1933.

Norland (ND2906-1R).—Breeder: Johansen et al., North Dakota State Univ. Parentage: RedKote x ND626. Characteristics: medium-high yield of round, light red tubers, very early maturity, good for tablestock, low tuber solids, very short dormancy; two darker red mutants of Norland, Red Norland and Dark Red Norland are the predominant early red skinned cultivars in the United States, Canada. Resistance: common scab. *American Potato Journal* 36:12. 1957.

NorQueen Russet (ND671-4Russ).—Breeder: Johansen et al., North Dakota State Univ. Parentage: WN330-1 x ND9567-2Russ. Characteristics: medium-low yield of oblong, flattened, heavily russetted tubers; early maturity, good for tablestock, low tuber solids, medium dormancy. Resistance: common scab. Adaptation: produced primarily in North Dakota, valid 1996. 1993.

NorValley (ND2417-6).—Breeder: Novy, North Dakota State Univ. Parentage: Norchip x ND860-2. Characteristics: medium yield of round, white tubers; medium maturity, good for chips, medium tuber solids, capable of producing chips directly from cold storage. Resistance: common scab, hollow heart. Adaptation: produced primarily in the upper midwest of the United States, valid 1996. 1996.

NorWis (FL657).—Breeder: Cipar, Frito-Lay. Parentage: RD289-18 x Monona. Characteristics: high yield of oblong, white tubers; medium-late maturity, good for chips, medium tuber solids, short dormancy. Resistance: PVX, PVY, pea leaf roll virus. Adaptation: produced primarily in the upper midwest of the United States, valid 1996. *American Potato Journal* 67:371. 1990.

OAC Ruby Gold (G8160-1IRY).—Breeder: Ali-Khan et al., Agr. Canada, Ontario. Parentage: Rhinered x Rose Gold. Characteristics: medium-high yield of oblong, red tubers with yellow flesh; medium maturity, good for tablestock, medium tuber solids, medium dormancy. Resistance: common scab, verticillium wilt. Adaptation: produced primarily in Ontario, valid 1996. *American Potato Journal* 73:301. 1994.

OAC Temagami (G8160-6R).—Breeder: Ali-Khan et al., Agr. Canada, Ontario. Parentage: Rhinered x Rose Gold. Characteristics: not in production; medium-high yield of round, dark red tubers; medium maturity, good for tablestock, medium tuber solids, medium dormancy. Resistance: moderate to common scab, verticillium wilt. *American Potato Journal* 73:305. 1994.

Oceania.—Breeder: Webb et al., USDA, Univ. Florida, Virginia. Parentage: DT5997-1R x B5283-5. Characteristics: not in production; high yield of round, white tubers; medium maturity, good for tablestock. Resistance: PVA, PVY. 1981.

Oneida (W623).—Breeder: Peloquin, Univ. Wisconsin. Parentage: W285 x W231. Characteristics: not in production. *Badger Commentator* 29:3. 1976.

Oromonte (USDA 46125).—Breeder: Twomey, USDA, Colorado State Univ. Parentage: USDA 43106 x Katahdin. Characteristics: extinct; medium-high yield of oblong, white tubers with yellow flesh; late maturity, good for chips. Resistance: PVY. *American Potato Journal* 45:297. 1967.

Peconic (NYI).—Breeder: Peterson, Cornell Univ. Parentage:

LNA-106 x Katahdin. Characteristics: not in production; high yield of oval, white tubers; early-medium maturity, good for tablestock, medium tuber solids. Resistance: golden nematode. *American Potato Journal* 43:450. 1966.

Peerless.—Breeder: Bresee, private. Parentage: open pollinated seedling of Garnet Chili. Characteristics: extinct; high yield of round, white-splashed pink tubers; late maturity, good for tablestock. *Potato Handbook*, 1959. *Potato Assn. of Amer.* 1962.

Pele (35-5).—Breeder: Ito, Univ. Hawaii. Parentage: 57-AH-9 x Anita. Characteristics: extinct; high yield of round, white tubers; late maturity, good for tablestock, medium tuber solids. Resistance: late blight. *American Potato Journal* 55:573. 1978.

Pennchip (PA4QV-30).—Breeder: Mills, Pennsylvania State Univ. Parentage: PA3RD-5 x PA3WH-9. Characteristics: not in production; medium-high yield of round, white tubers; late maturity, good for chips, low tuber solids, long dormancy. Resistance: late blight, *R-gene*, PVA. *American Potato Journal* 41:54. 1963.

Pennrose.—Breeder: Mills, Pennsylvania State Univ. Parentage: Norland x B4494-6. Characteristics: not in production; tubers are round with red skin, good for tablestock. 1981.

Penobscot (B3563-2).—Breeder: Simpson and Akeley, Univ. Maine, USDA. Parentage: USDA X927-3 x Katahdin. Characteristics: not in production; medium-high yield of oblong, white tubers; early-medium maturity, good for tablestock, chips, high tuber solids. Resistance: PVA. *American Potato Journal* 41:140. 1963.

Pioneer.—Breeder: Miller and O'Keefe, Univ. Nebraska. Parentage: MN113-1-45 x Nebraska 225.43-1. Characteristics: not in production; high yield of oblong, light red tubers; medium maturity, good for tablestock, french fries, medium tuber solids. *American Potato Journal* 40:81. 1963.

Platte (Nebraska 4.56-9).—Breeder: O'Keefe and Werner, Univ. Nebraska. Parentage: Redbake x Nebraska 29.47-2. Characteristics: extinct; medium-high yield of round, white tubers; medium-late maturity, good for chips, tablestock, medium tuber solids, medium dormancy. Resistance: common scab. *American Potato Journal* 42:361. 1965.

Portage (CS7697-24).—Breeder: Reeves et al., Univ. Maine, Campbell Institute. Parentage: Raritan x BR6831-5. Characteristics: not in production; medium-high yield of oval, white tubers; early maturity, good for tablestock, low tuber solids, medium dormancy. Resistance: late blight, *R-gene*, verticillium wilt, net necrosis caused by pea leaf roll virus. *American Potato Journal* 72:681. 1992.

Prestile (CS7635-4).—Breeder: Reeves et al., Univ. Maine, Campbell Institute. Parentage: BR6293-12 x B5421-3. Characteristics: not in production; high yield of round, white tubers; late maturity, good for tablestock, low tuber solids, long dormancy. Resistance: PVX, net necrosis caused by pea leaf roll virus. *American Potato Journal* 71:89. 1991.

Pride.—Breeder: Pratt, private. Parentage: Sebago x Ag56. Characteristics: extinct; medium yield of round, white tubers; early-medium maturity, good for tablestock, low tuber solids. Resistance: common scab. *American Potato Journal* 46:88. 1968.

Ptarmigan (F76080).—Breeder: Lynch et al., Agr. Canada, Alberta. Parentage: ND6993-13 x F59103. Characteristics: medium yield of oval, white tubers; early maturity, good for chips, tablestock, low tuber solids, medium dormancy. Resistance: moderate to early blight, common scab. Adaptation: produced primarily in the western United States, western Canada, valid 1996. *American Potato Journal* 71:387. 1993.

Quaggy Joe (AF1470).—Breeder: Reeves et al., Univ. Maine. Parentage: CS7589-8 x Portage. Characteristics: medium-high yield of round, white tubers; medium maturity, good for tablestock, low tuber solids. Resistance: net necrosis caused by pea leaf roll virus. Adaptation: produced primarily in Maine, valid 1996. 1996.

Ranger Russet (A7411-2).—Breeder: Pavek et al., USDA, Univ. Idaho. Parentage: Butte x A6595-3. Characteristics: high yield of long, russet tubers; late maturity, good for french fries, tablestock, high tuber solids, medium dormancy. Resistance: PVY, verticillium wilt, fusarium tuber rot, hollow heart, net necrosis caused by pea leaf roll virus; immune to PVX. Adaptation: produced primarily in the western United States, valid 1996. *American Potato Journal* 69:483. 1991.

Raritan (F54059).—Breeder: Campbell and Young, Rutgers Univ. Parentage: F45019 x SSRBP834C (29). Characteristics: not in production; high yield of oblong, lightly russeted tubers; medium-late maturity, good for chips, high tuber solids. Resistance: PVX, PVA, late blight, *R*-gene. American Potato Journal 47:264. 1970.

Red Cloud (Nebraska A143.70-2).—Breeder: O'Keefe et al., Univ. Nebraska. Parentage: Nebraska 185.70-1 x Superior. Characteristics: medium yield of oval, dark red tubers; medium maturity, good for tablestock, medium tuber solids, very long dormancy. Resistance: common scab, verticillium wilt, early blight. Adaptation: produced primarily in Nebraska, southwest United States, valid 1996. American Potato Journal 70:301. 1992.

Red Gold (G7015-11RY).—Breeder: Coffin et al., Agr. Canada, Ontario. Parentage: G68211 x G6521-4RY. Characteristics: not in production; medium yield of round, red tubers with yellow flesh; early-medium maturity, good for tablestock, medium tuber solids, short dormancy. Resistance: common scab. American Potato Journal 65:49. 1987.

Red LaSoda.—Breeder: Webb and Miller, USDA, Louisiana State Univ. Parentage: red-skinned sport of LaSoda. Characteristics: see LaSoda. Adaptation: produced throughout the United States, Canada. American Potato Journal 31:40. 1953.

Red McClure.—Breeder: private institution. Parentage: red-skinned sport of Improved Peachblow. Characteristics: not in production; high yield of oblong, red tubers; late maturity, good for tablestock. USDA Circ. 741, 1946. 1910.

Red Norland.—Parentage: darker red sport of Norland. Characteristics: see Norland. Adaptation: produced throughout the United States, Canada, valid 1996.

Red Pontiac.—Parentage: red-skinned sport of Pontiac. Characteristics: see Pontiac, used as a garden cultivar throughout the United States, Canada, valid 1996.

Red Ruby (MN13035).—Breeder: Lauer, Univ. Minnesota. Parentage: Bison x MN11.76-1. 1994.

Redbake (Nebraska 2644-1).—Breeder: Werner, Univ. Nebraska. Parentage: Nebraska 10.42-1 x Nebraska 1.41-2. Characteristics: extinct; tubers are round with red skin, medium maturity, good for tablestock, chips, high tuber solids. Potato Handbook, 1959. Potato Assn. of Amer. 1956.

Reddale (MN8757).—Breeder: Lauer, Univ. Minnesota. Parentage: Erik x Chieftain. Characteristics: high yield of round, red tubers; medium maturity, good for tablestock, low tuber solids. Resistance: common scab, verticillium wilt, late blight, *R*-gene. Adaptation: produced primarily in Minnesota, valid 1996. Potato Varieties in Canada, 1991. New Brunswick Dept. of Agr. 1984.

Redsen (ND146-4R).—Breeder: Johansen et al., North Dakota State Univ. Parentage: ND8978-3R x ND9403-20R. Characteristics: medium-high yield of round, dark red tubers; early-medium maturity, good for tablestock, low tuber solids, short dormancy. Resistance: common scab, late blight, *R*-gene, very susceptible to storage rots. Adaptation: produced in limited locales throughout the United States, Canada, valid 1996. American Potato Journal 61:549. 1983.

Rhinered (W729R).—Breeder: Peloquin, Univ. Wisconsin. Parentage: W639 x Norchief. Characteristics: not in production; medium yield of round, red tubers; early-medium maturity, good for tablestock, medium tuber solids. Resistance: common scab, verticillium wilt. Potato Varieties in Canada, 1991, New Brunswick Dept. of Agr. 1981.

Rideau (G6457-5R).—Breeder: Johnston and Rowberry, Agr. Canada, Ontario. Parentage: Viking x Picha 177-13R. Characteristics: medium-high yield of round red tubers; late maturity, good for tablestock, low tuber solids. Resistance: verticillium wilt, common scab. Adaptation: produced primarily in Atlantic Canada, valid 1996. American Potato Journal 57:47. 1971.

Rosa (NY61).—Breeder: Plaisted et al., Cornell Univ. Parentage: Wauseon x J171-8Adg. Characteristics: not in production; high yield of oval, white-splashed pink tubers; late maturity, good for chips, tablestock, medium tuber solids, medium dormancy. Resistance: golden nematode, late blight, *R*-gene. American Potato Journal 58:451. 1981.

Rose Gold (G7010-19RY).—Breeder: Coffin et al., Agr. Canada, Ontario. Parentage: Abnaki x G6521-4RY. Characteristics: not in

production; medium yield of round, red tubers with yellow flesh; medium-late maturity, good to tablestock, medium tuber solids, medium dormancy. Resistance: common scab. American Potato Journal 65:325. 1988.

Rural New Yorker.—Breeder: Carman, private. Characteristics: extinct; high yield of oblong, white tubers; late maturity, good for tablestock. USDA Circ. 741, 1946. 1988.

Russet Arenac.—Breeder: Thompson, Univ. Michigan. Parentage: russetted sport of Arenac. Characteristics: not in production; see Arenac. 1965.

Russet Bake-King.—Breeder: Lawrence, Cornell Univ. Parentage: russetted sport of Bake-King. Characteristics: not in production; see Bake-King. American Potato Journal 71:127. 1994.

Russet Burbank.—Breeder: Sweet, private. Parentage: russetted sport of Burbank. Characteristics: the predominant cultivar in the United States and Canada for tablestock, french fries, see Burbank for more information. USDA Circ. 741, 1947. ≈1917.

Russet Norkotah (ND1534-4Russ).—Breeder: Johansen et al., North Dakota State Univ. Parentage: ND9526-4Russ x ND9687-5Russ. Characteristics: medium-low yield of long, russet tubers; very early maturity, good for tablestock, low tuber solids, medium dormancy, most prominent of the early russet tablestock cultivars, valid 1996. Resistance: common scab, very susceptible to verticillium wilt. Adaptation: produced throughout the United States, Canada, valid 1996. American Potato Journal 65:597. 1987.

Russet Nugget (TC582-1).—Breeder: Holm et al., Colorado State Univ., Texas A&M Univ. Parentage: Krantz x AND71609-1. Characteristics: medium-high yield of long, flattened, heavily russeted tubers; late maturity, good for tablestock, french fries, high tuber solids, medium dormancy. Resistance: common scab, verticillium wilt, early blight. Adaptation: produced primarily in Colorado, valid 1996. American Potato Journal 69:331. 1989.

Russet Rural.—Breeder: unknown. Priestley: russetted sport of Rural New Yorker. Parentage: Unknown. Characteristics: see Rural New Yorker. USDA Circ. 741, 1946.

Russette (B7583-6).—Breeder: Webb et al., USDA, Univ. Maine, others. Parentage: B5141-6 (Lenape) x WN245-2. Characteristics: not in production; high yield of oblong, russet tubers; late maturity, good for tablestock, french fries, medium tuber solids, long dormancy. Resistance: verticillium wilt, pinkeye, heat necrosis; immune to PVA, necrosis caused by pea leaf roll virus. American Potato Journal 61:77. 1981.

Sable (F5653).—Breeder: Davies et al., Agr. Canada, New Brunswick. Parentage: F52094 x F47024. Characteristics: not in production; high yield of oblong, white tubers; early maturity, good for tablestock, low tuber solids. Resistance: common scab. American Potato Journal 43:154. 1964.

Saginaw Gold (MS002-171Y).—Breeder: Coffin et al., Agr. Canada, Univ. Michigan, others. Parentage: MS321-38 x Michibonne. Characteristics: not in production; medium yield of oblong, white tubers with yellow flesh; medium maturity, good for tablestock, chips, medium tuber solids. American Potato Journal 66:303. 1988.

Sangre (AC67560-1).—Breeder: Twomey et al., Colorado State Univ. USDA. Parentage: Viking x A6356-9. Characteristics: high yield of oval, red tubers; medium maturity, good for tablestock, medium tuber solids, long dormancy. Resistance: net necrosis caused by pea leaf roll virus, hollow heart. Adaptation: produced primarily in Colorado. American Potato Journal 59:435. 1982.

Saranac (USDA X336-144).—Breeder: Stevenson and Livermore, USDA, Cornell Univ. Parentage: President x Katahdin. Characteristics: extinct; tubers round and white, late maturing, good for tablestock. Resistance: ring rot. American Potato Journal 26:45. 1949.

Seminole (B4469-7 or FL282).—Breeder: Stevenson et al., Frito-Lay. Parentage: Delta Gold x B3672-3. Characteristics: extinct; medium-high yield of round, white tubers; early-medium maturity, good for chips, high tuber solids. Resistance: verticillium wilt. American Potato Journal 47:35. 1969.

Shasta (SH-1).—Breeder: Groza, private. Parentage: A69656-4 x WNC214-36. Characteristics: not in production; high yield of long, white tubers; late maturity, good for french fries, tablestock, medium tuber solids, short dormancy. Resistance: verticillium wilt, early

blight. Potato Varieties in Canada, 1991, New Brunswick Dept. of Agr. 1990.

Shepody (F69016).—Breeder: Young et al., Agr. Canada, New Brunswick. Parentage: Bake-King x F58050. Characteristics: high yield of long, white tubers; early-medium maturity, good for french fries, medium tuber solids, medium dormancy. Resistance: net necrosis caused by pea leaf roll virus, predominant cultivar for early harvest french fry production in the United States, Canada, valid 1996. American Potato Journal 60:109. 1980.

Shoshoni (A175-7).—Breeder: Sanford et al., USDA, Univ. Idaho. Parentage: Early Gem x B2913-24. Characteristics: not in production; medium yield of round, white tubers; late maturity, good for tablestock, medium tuber solids. Resistance: common scab. American Potato Journal 41:95. 1963.

Shurchip (Nebraska 1655-1).—Breeder: O'Keefe, Univ. Nebraska. Parentage: Nebraska 226.49-1X x Nebraska 25.47-7x. Characteristics: high yield of round, lightly russetted tubers; medium maturity, good for chips, medium tuber solids, medium dormancy. Resistance: common scab. Adaptation: produced primarily in Nebraska, valid 1996. American Potato Journal 47:124. 1969.

Sierra (AD7377-1).—Breeder: Voss and Pavek, Univ. California, USDA. Parentage: A66110-39 x Targhee. Characteristics: not in production; high yield of oblong, russet tubers; medium maturity, good for tablestock, low tuber solids. Resistance: common scab, net necrosis caused by pea leaf roll virus, hollow heart, growth cracks. Univ. California, Research Reviews 17, 1986. 1987.

Simcoe (G6880-1).—Breeder: Johnston and Rowberry, Ag Canada, Ontario. Parentage: Peconic x B5141-6 (Lenape). Characteristics: not in production; medium yield of round, white tubers; late maturity, good for tablestock, chipping, medium tuber solids. Resistance: PVA, late blight, *R*-gene, net necrosis caused by pea leaf roll virus. American Potato Journal 59:39. 1981.

Sioux (Nebraska 20257-1).—Breeder: O'Keefe, Univ. Nebraska. Parentage: Nebraska 240.54-1 x Nebraska 90.49-1X. Characteristics: extinct; medium-high yield of round, red tubers; medium maturity, good for tablestock, medium tuber solids, medium dormancy. Resistance: common scab. American Potato Journal 47:163. 1969.

Snowchip (AK35).—Breeder: Dearborn, Univ. Alaska. Parentage: Ontario x Stately. Characteristics: not in production; medium yield of oval, white tubers; medium-late maturity, good for chips, high tuber solids. American Potato Journal 52:47. 1973.

Snowden (W855).—Breeder: Peloquin, Univ. Wisconsin. Parentage: B5141-6 (Lenape) x Wischip. Characteristics: medium-high yield of round, white tubers; late maturity, good for chips, high tuber solids, medium dormancy. Resistance: moderate to common scab, produces acceptable chips follow cold storage, predominant storage chipping cultivar since 1993, valid 1996. Potato Varieties in Canada, 1991. New Brunswick Dept. of Agr. 1990.

Somerset (AF236-1).—Breeder: Reeves et al., Univ. Maine, Univ. Pennsylvania. Parentage: B6097-9 x B6516-5. Characteristics: medium-high yield of oblong, white tubers; medium maturity, good for chips, medium tuber solids, medium dormancy. Resistance: early blight, late blight, *R*-gene. Adaptation: produced primarily in the northeastern United States, valid 1996. American Potato Journal 67:153. 1988.

Spartan Pearl (MS700-83).—Breeder: Douches et al., Michigan State Univ. Parentage: Atlantic x Michibonne. Characteristics: not in production; high yield of round, white tubers; medium maturity, good for tablestock, medium tuber solids, medium dormancy. American Potato Journal 69:785. 1991.

St. Johns (AF828-5).—Breeder: Reeves, Univ. Maine. Parentage: BR6317-21 x CC14-3A. Characteristics: medium-high yield of round, white tubers; late maturity, good for tablestock. Resistance: golden nematode, corky ringspot. Adaptation: produced primarily in Maine, valid 1996. 1993.

Stately (A-43-10).—Breeder: Dearborn, Univ. Alaska. Parentage: Alaska 114 x USDA X792-24. Characteristics: extinct; low yield of round, white tubers; late maturity, good for tablestock, high tuber solids, released as a home garden cultivar for Alaska. American Potato Journal 38:244. 1961.

Steuben (NY81).—Breeder: Plaisted et al., Cornell Univ. Parent-

age: F9-31 x GN bulk pollen. Characteristics: not in production; high yield of oblong, white tubers; medium maturity, good for tablestock, chips, medium tuber solids, long dormancy. Resistance: golden nematode. American Potato Journal 67:239. 1989.

Suncrisp (B9792-8B).—Breeder: Haynes et al., USDA, Univ. Florida, others. Parentage: Wauseon x B5141-6 (Lenape). Characteristics: not in production; medium-high yield of oval, lightly russetted tubers; late maturity, good for chips, high tuber solids. Resistance: golden nematode, common scab, PVY, heat necrosis. 1993.

Sunrise (CF7358-14).—Breeder: Reeves et al., Univ. Maine, Campbell Institute. Parentage: Wauseon x B6563-2. Characteristics: high yield of round, white tubers; early maturity, good for tablestock, field delivery chip production, low-medium tuber solids, medium dormancy. Resistance: golden nematode, PVX, net necrosis caused by pea leaf roll virus. Adaptation: produced primarily in northeastern United States, Atlantic Canada, valid 1996. American Potato Journal 62:221. 1985.

Superior (AG29).—Breeder: Rieman, Univ. Wisconsin. Parentage: USDA X96-56 x MN59.44. Characteristics: medium yield of round, white tubers; early maturity, good for tablestock, field delivery chip production, low-medium tuber solids, short dormancy. Resistance: common scab, predominant early maturing, round white tablestock cultivar. Adaptation: produced throughout the midwestern, eastern regions of the United States, Canada, valid 1996. American Potato Journal 39:19. 1961.

Targhee (A6334-19).—Breeder: Pavek et al., USDA, Univ. Idaho. Parentage: Norgold Russet x A463-4. Characteristics: not in production; high yield of oblong, russet tubers; late maturity, good for tablestock, french fries, medium tuber solids, medium dormancy. Resistance: rhizoctonia, common scab, verticillium wilt, PVX, storage rots, hollow heart, growth cracks. American Potato Journal 50:293. 1973.

Tejon (NDD47-1).—Breeder: Voss, Univ. California. Parentage: B7583-9 x AF10-8. Characteristics: high yield of long, white tubers; late maturity, good for tablestock, medium tuber solids, long dormancy. Resistance: storage rots, verticillium wilt, early blight. Adaptation: produced primarily in California, valid 1996. Univ. California Research Reviews 17, 1986. 1987.

Tobique (F61025).—Breeder: Davies et al., Agr. Canada, New Brunswick. Parentage: F45019 x Cariboo. Characteristics: not in production; high yield of oblong, white-purple splashed tubers; early maturity, good for chips, low tuber solids. Resistance: verticillium wilt, fusarium tuber rot, PVY, net necrosis caused by pea leaf roll virus. American Potato Journal 54:419. 1977.

Tolaas (MN7973).—Breeder: Lauer, Univ. Minnesota. Parentage: Shurchip x MN1106.64-1. Characteristics: not in production; high yield of long, white tubers; medium-late maturity, good for tablestock, french fries, medium tuber solids, long dormancy. Resistance: common scab, late blight, hollow heart. Potato Varieties in Canada, 1991, New Brunswick Dept. of Agr. 1984.

Trent (G6549-7).—Breeder: Johnston and Rowberry, Agr. Canada, Ontario. Parentage: Nordak x B5141-6 (Lenape). Characteristics: not in production; medium yield of round, white tubers; early-medium maturity, good for tablestock, chips, medium-high tuber solids. Resistance: PVY, common scab, late blight, *R*-gene, net necrosis caused by pea leaf roll virus. American Potato Journal 56:211. 1978.

Triumph.—Breeder: Bliss, private. Parentage: Peerless x Early Rose. Characteristics: extinct; high yield of round, red tubers; early-medium maturity, good for tablestock, historically an important cultivar. USDA Circ. 741, 1946. 1978.

Ute Russet (WNC285-18).—Breeder: Holm et al., Colorado State Univ. Parentage: WN12-3 x Nooksack. Characteristics: medium yield of oblong, flattened, heavily russetted tubers; late maturity, good for tablestock, medium tuber solids, long dormancy. Resistance: sclerotinia, net necrosis caused by pea leaf roll virus, verticillium wilt, common scab. Adaptation: produced primarily in Colorado, California, valid 1996. American Potato Journal 64:559. 1987.

Waimea (25S).—Breeder: Sekioka et al., Univ. Hawaii. Parentage: 57-AH-9 x Anita. Characteristics: extinct; high yield of oval, white tubers; late maturity, good for tablestock, medium tuber solids. Adaptation: high elevation areas of Hawaii. American Potato Journal

51:229. 1972.

Warba (MN51-16).—Breeder: Univ. Minnesota. Parentage: Triumph x MN4-16. Characteristics: high yield of round, white tubers; early maturity, good for tablestock, low tuber solids, a red skinned sport of this cultivar was released and grown as Red Warba. Resistance: PVA. Adaptation: produced primarily in Atlantic Canada. *Minnesota Horticulture* 61:137. 1933.

Wauseon (B5036-40).—Breeder: Cunningham et al., Campbell Institute, USDA, Cornell Univ. Parentage: B5149-8 x Katahdin. Characteristics: not in production; high yield of round, white tubers; medium-late maturity, good for chips, tablestock, medium tuber solids. Resistance: PVA, PVX, golden nematode, common scab, net necrosis caused by pea leaf roll virus, good canning quality. *American Potato Journal* 45:146. 1967.

White Rose.—Breeder: Chapman, private. Parentage: Uncertain. Characteristics: high yield of long, white tubers, deeper eyes, late maturity, good for tablestock, medium tuber solids, long dormancy. Adaptation: produced primarily in California, valid 1996. *Potato Handbook*, 1959. *Potato Assn. of Amer.* 1993.

Wischip (W629).—Breeder: Peloquin, Univ. Wisconsin. Parentage: W55-306-58 x W231. Characteristics: medium-high yield of round, white tubers; good for chips. Adaptation: produced primarily in Nebraska. 1974.

Wyred (WY2850).—Breeder: Riedl, Univ. Wyoming. Parentage: Nebraska 127.47-5 x Katahdin. Characteristics: extinct; high yield of round, red tubers; medium-late maturity, good for tablestock, medium tuber solids. Resistance: common scab. *American Potato Journal* 45:33. 1968.

Yankee Chipper (AF205-9).—Breeder: Reeves et al., Univ. Maine. Parentage: Chipbelle x BR6864-8. Characteristics: not in production; high yield of round, white tubers; medium maturity, good for chips, medium tuber solids, short dormancy. Resistance: golden nematode, PVX, net necrosis caused by pea leaf roll virus. *American Potato Journal* 61:287. 1983.

Yankee Supreme (CC26-1A).—Breeder: Reeves et al., Univ. Maine, Campbell Institute. Parentage: Katahdin x BR6491-7. Characteristics: not in production; medium yield of oblong, white tubers; medium-late maturity, good for tablestock, medium tuber solids, medium dormancy. Resistance: PVX, net necrosis caused by pea leaf roll virus. *American Potato Journal* 61:683. 1983.

Yukon Gold (G6666-4Y).—Breeder: Johnston and Rowberry, Agr. Canada, Ontario. Parentage: Norgleam x W5279-4. Characteristics: medium-high yield of oval, white tubers, with yellow flesh; early-medium maturity, good for tablestock, medium specific gravity, short dormancy, this cultivar is currently (1996) the predominant yellow-fleshed specialty potato, produced in small amounts throughout North America. Resistance: PVA. *American Potato Journal* 58:241. 1980.

PUMPKIN

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Appalachian (PSX10200).—Breeder: Waltrip. Vendor: Petoseed. Characteristics: creamy exterior, ≈12 lb, medium size, bright orange flesh, unique type.

Baby Bear.—Breeder: R. Johnston, Jr. Vendor: Johnny's. Characteristics: unique size, a scaled down version of a classic Jack-O-Lantern, fruit average 5–6" diameter, 3.5–4" height, 1.5–2 lb, slender stem averaging 3", deep, bright orange, semi-hull-less seeds. Resistance: fusarium; tolerance to gummy stem blight. Similar: New England Pie. PVP. 1992.

Baby Boo.—Breeder: J. Jaunsem. PVP. 1990.

Big Autumn (87S259).—Breeder: P. Yorty. Vendor: Musser. Characteristics: early orange fruit color development permits culture in areas where other culti vars may not mature, fruit weigh 15 lb compared to 9 lb for Autumn Gold. Similar: Autumn Gold. 1989.

Big Max.—Vendor: Twilley Seeds. Characteristics: up to 100 lb;

pinkish-orange rind with bright yellow flesh 3–4" thick; good cooking quality. Twilley Catalog, 1989.

Bookin.—Breeder and vendor: Market More. 1989.

Buckskin (PS10295).—Breeder and vendor: Petoseed. Characteristics: dark orange flesh, buff color vine, excellent for pumpkin pie, large vine.

Casper (EXP3812).—Breeder: J. Howell. Vendor: Shamrock. Characteristics: smooth, waxy, white skin, some with slight bluish tints; flesh dark orange up to 1.5" thick, excellent for baking and Mexican candy making; fruit 8–15 lb. Similar: Lumina. 1992.

Connecticut Field.—Characteristics: fruit are large, round, flattened at ends, weighing 15–25 lb; flesh is thick, orange-yellow, sweet but coarse; grown mostly for stock feed and Halloween decoration; 120 day maturity. *Eastern States Farmers Exchange Catalog*, p. 18, 1962.

Dickinson.—Vendor: Northrup King. Characteristics: fruit is 12–16" x 12–14", weight 12–16 lb, mostly elongated round; flesh orange, coarse, sweet and good quality; longer and more uniform shape than Kentucky Field; used for canning and livestock. Northrup King Co. GS-7-5 catalog, 1958.

Dills Atlantic Giant.—Breeder: Howard Dill Enterprises. PVP. 1985.

Ghost-Rider.—Breeder and vendor: Shamrock. Characteristics: very smooth Connecticut Field type with darker orange color, with dark green handle. 1987.

Goldilocks.—Breeder and vendor: Musser. Characteristics: small round gold fruit. PVP. 1984.

Half-Moon.—Vendor: Twilley Seeds. Characteristics: 14–18 lb with strong handles. Twilley Catalog, 1989.

Hallo-Queen (PSX114750).—Breeder and vendor: Petoseed. Characteristics: deep orange color, easy carving, uniform shape and size, 15–18 lb, strong handle, 115 day maturity. Similar: Howdens Field. 1994.

Happy.—Breeder: Jennie C. Brush. PVP. 1986.

Happy Jack (PSXF-11476).—Breeder and vendor: Petoseed. Characteristics: exceptionally uniform; large, vigorous vine; dark orange color fruit; medium ribs. 1990.

Howden Biggie.—Breeder: Howden Farm. Vendor: Harris Moran. Characteristics: 35–60 lb; upright globe shape; rich orange color and hard rind. *American Vegetable Grower*, Sept. 1995. PVP. 1991.

Ichabod.—Breeder and vendor: Market More. 1989.

Jack Be Little.—Characteristics: mini pumpkin 2 x 3" weighing 3–4 oz, prolific plants bear 8–10 fruit on large vines, for fall and winter decorating. Twilley Catalog, 1989.

Kentucky Field.—Characteristics: 10–18" diameter, fruit variable in shape but usually deeper than they are wide, tapered at ends, 10–15 lb, rind smooth, dull orange-yellow, distinctly sutured, thin hard rind; flesh thick, coarse, deep yellow, sweet; 120 day maturity; used for canning and stock feed. *Asgrow Catalog* 19, 1957.

Large Cheese.—Characteristics: for home, market, canning; derives name from cheese box shape of fruit; fruit is 7 x 15", weighing 12–15 lb; very flat shape, slightly grooved; hard shell, deep yellow skin; flesh is orange-yellow, fairly thick, with fine quality and flavor; 110 day maturity. *Corneli Catalog* 14. 1964.

Large Sweet Cheese.—Characteristics: a pumpkin for both table and stock, often attains 25 lb; mottled green and yellow when young, creamy yellow when ripe; flesh yellow, extra thick, tender, sweet, and of finest quality; for pies, canning and feeding stock. T. W. Wood and Sons Seed Co., 1961.

Little Boo.—Breeder: Agway. PVP. 1978.

Little Jack (PSX11298).—Breeder and vendor: Petoseed. Characteristics: small, very uniform Jack-O-Lantern type pumpkins; good orange color; fruit 4–6 lb; good carving shape. 1992.

Lumina.—Breeder: Hollar Seed Co. and George Perry & Sons. PVP. 1990.

Mother Lode.—Breeder and vendor: Rupp. Characteristics: hybrid, bush-semi bush vine type with extra large 25+ lb fruit with excellent handles, it stays confined to a tight bush until late after the crown set and can be planted in closer rows than many of the large cultivars. Similar: RS1090. 1996.

Oz (HXP2672).—Breeder: T. Superak. Vendor: Harris Moran.

Characteristics: semi-bush habit, precocious yellow fruit, small, strong handles, smooth surface. Similar: Baby Pam. 1991.

Paint-A-Punkin (PSX10902).—Breeder and vendor: Petoseed. Characteristics: unique color and size. 1994.

Peek-A-Boo.—Breeder and vendor: Rogers Brothers. Characteristics: small fruited pumpkin weighing 3.5–4.0 lb; fruit slightly flattened globe shape with medium bright orange color and extra long handles. Similar: Spooktacular, Oz, Baby Bear. 1994.

RS1090.—Breeder: Rupp Seeds. PVP. 1992.

Spooktacular (PSX11298).—Breeder and vendor: Petoseed. Characteristics: small, very uniform Jack-O-Lantern type pumpkins with bright orange color; fruit 4–6 lb; good carving shape. 1994.

Tom Fox.—Breeder: Johnny's Selected Seeds. PVP. 1994.

Trick or Treat.—Vendor: Twilley Seeds. Characteristics: F1 hybrid, hull-less, edible seeds; attractive, dark orange fruit 11 × 14", 10–12 lb. Twilley Catalog, 1989.

Virginia Mammoth.—Vendor: T.W. Wood & Sons. Characteristics: grows to immense size, excellent keeping quality, oval shape, thick flesh; for pies or stock feeding. Adaptation: southern United States. T.W. Wood and Sons Seed Co. Catalog, 1959.

Wizard (HMX4621).—Breeder and vendor: Harris Moran. 1989.

RADISH

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Altaglobe.—Vendor: Chriseed. Characteristics: medium top radish, Bright Cherry Belle root color. Resistance: pithiness; tolerance to fusarium yellows, rhizoctonia scurf. Adaptation: muck soils, performs well in Pacific coastal regions. PVP. 1996.

Cabernet (NVH3301).—Breeder and vendor: Rogers Brothers. Characteristics: hybrid red globe-tall globe, 21–23 day maturity, lush hardy tops, uniform shape, deep red color, good for bunching and cello-paks. Resistance: club root; tolerance to rhizoctonia scurf. Similar: Rave, Cherriate. 1992.

Cherriette.—Breeder and vendor: Sakata Seed. Characteristics: early Cherry Belle-type hybrid, red root color, globe-round shape, excellent for bunching, slow to develop pithiness, very crisp with good flavor. Adaptation: wide, but especially good for autumn production in temperate climates. 1987.

Crunchy Red.—Breeder and vendor: Sakata Seed. Resistance: tolerance to rhizoctonia scurf. Adaptation: spring and fall culture in warm temperate regions.

Easter Egg.—Vendor: Christiansen. Characteristics: combination of red, pink, purple, violet, white radishes; roots remain firm and crisp with good flavor, 28 day maturity, strap-leaved. 1983.

Fireball (SRA3502).—Breeder and vendor: Sakata Seed. Characteristics: medium top, mid-early maturity, attractive dark red root color, round shape with good uniformity, outstanding round red radish. Resistance: tolerance to fusarium yellows. Similar: Cherriate. 1994.

Fluo.—Vendor: Vilmorin. Characteristics: the first semi-long hybrid with excellent presentation in bunches, semi-early cultivar, autumn and spring cropping, especially suited for protected-greenhouse cropping, intensive red color with white tips very strong leaf attachments. 1989.

Fuego.—Breeder: Univ. of Wisconsin, Minnesota, and Florida, cooperatively. Vendor: Rogers-Northrup King. Characteristics: deep scarlet-red roots, oval-round, tops medium-short. Resistance: fusarium yellows; tolerance to black root, rhizoctonia scurf.

Leda.—Breeder: Nunhems. Vendor: Cannors. Characteristics: round, deep red, very uniform red roots, short foliage, summer cropping. 1989.

Patricia.—Breeder: Nunhems. Vendor: Cannors. Characteristics: medium long, red color, white tip, cylindrical-shape root, excellent internal quality, medium long strong foliage. Similar: French Breakfast. 1989.

Plum Purple.—Breeder and vendor: Christiansen. Characteristics: a medium-top strap leaf cultivar, roots are round, root color is deep purple, exceptional for the novelty and home gardening pack. Resistance: pithiness. PVP 8500129.

Red Devil B.—Vendor: Ferry-Morse. Characteristics: developed as a shorter top strain than Red Devil, 22 day maturity, round-slightly oval roots with intense red color, retains color well after rinsing.

Red King.—Breeder and vendor: Harris Moran. Characteristics: globe shaped radish with medium tall tops, ≈26 day maturity. Resistance: fusarium yellows, club root race 6. PVP 8300024. 1983.

Red Ryder.—Vendor: Harris Moran. 1992.

Red Silk.—Vendor: Harris Moran. Characteristics: open pollinated, round red radish with a medium top, silky smooth shoulders with smooth, white interior contrasted by red exterior. Resists pithing; tolerance to fusarium yellows, club root race 6, black root. Adaptation: Florida conditions, low pH soils. 1992.

Robijn.—Breeder and vendor: Nunhems Zaden. Characteristics: deep red, round roots, very early root development, easy bunching. 1990.

Scarlet Belle (NV 3254).—Breeder and vendor: Northrup King. Characteristics: thick, robust tops, produces a high percentage of number one bulbs, early maturing, ≈24 day maturity, dark scarlet red color. Resistance: rhizoctonia, aphanomyces, rhizoctonia scurf, black root. Similar: Red Baron, Red Devil B. PVP. 1982.

Sora.—Breeder: Nunhems. Vendor: Cannors. Characteristics: medium tall foliage, suitable for spring, summer, autumn cropping; large root, deep red color. Resistance: pithing, sponginess, heat resistant. 1989.

Tamina.—Breeder: Nunhems. Vendor: Cannors. Characteristics: suitable for spring and autumn cropping, uniform roots, deep red color, good internal quality, short foliage. 1989.

Tinto.—Vendor: Vilmorin. Characteristics: a round red hybrid, foliage is medium with a strong attachment, root shape is globe, deep scarlet-red color, tap root and crown is refined, suited for bunching or cello-pak. 1994.

Vintage.—Vendor: Harris Moran. Characteristics: round, deep red root color, short top Fuego type. Resistance: tolerance to fusarium yellows, black root, rhizoctonia scurf. 1992.

RUTABAGA

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American Purple Top.—Characteristics: tender yellow flesh, purple crown and shoulders, large globe shape, good flavor.

Laurentian.—Characteristics: globe shape, yellow flesh, sweet flavor, deep purple crown.

Marian.—Characteristics: yellow flesh, purple top roots, short wide leaves, good flavor and storability, clubroot resistance, vigorous.

Pike.—Vendor: Johnny's. Characteristics: purple top, good frost tolerance, yellow flesh, storage quality. Similar: Laurentian.

York.—Characteristics: sweet pale yellow flesh, clubroot resistant version of Laurentian, purple crown, top growth heavier than Laurentian. Resistance: club root.

SHALLOT

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Delta Giant.—Breeder and vendor: Louisiana State Univ., Baton Rouge. Parentage: Nebuka (*A. fistulosum*) × shallot (*A. Ascalonicum*). Characteristics: vigorous growth, dark green color, large root system, long season. Resistance: leaf spot, die back. 1957.

SOUTHERNPEA

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AUBe.—Breeder: Auburn Univ., Auburn, Alabama. Parentage: complex, involves Giant Blackeye, Conch, and Princess Anne Blackeye. Characteristics: nonvining growth habit with pods borne level with or above the foliage; pods contain blackeye type peas, 62 day maturity; yields comparable to Pinkeye Purple Hull and better than California Blackeye 5. Resistance: cowpea curculio and root knot nematodes, exhibits few virus symptoms; moderate to bacterial spot and root rots; susceptible to cercospora leaf spot. Alabama Agr. Expt. Sta., Highlights of Agricultural Research, Vol. 38, Number 3, Fall 1991.

Bettergreen (US-592).—Breeder: United States Vegetable Laboratory, ARS, USDA, Charleston, South Carolina. Parentage: derived from a single mutant plant harvested from a Carolina Cream population, mutant plant homozygous for newly discovered gene (*gr*) conditioning a unique green cotyledon trait. Characteristics: phenotype, medium, bushy growth habit; typical pod is slightly curved and contains 12–14 peas; pod color at green shell stage, green with distinct purple shading; fresh peas are small, ovate-reniform in shape; dry peas have a smooth seed coat; can be harvested at near-dry seed maturity without loss of the seeds fresh green color, recommended as a commercial cultivar for the frozen-food industry. Resistance: cowpea curculio, cercospora leaf spot, southern blight, rust, and powdery mildew; tolerance to seedling diseases. Similar: Carolina Cream, except for cotyledon color and slightly greener foliage. Adaptation: southern United States. HortScience 28:856, 1993. 1991.

Bettergro Blackeye (US-481).—Breeder: United States Vegetable Laboratory, ARS, USDA, Charleston, South Carolina. Parentage: Magnolia Blackeye x (Magnolia Blackeye x Ala.963.8). Characteristics: tall, upright plant habit; pod set is concentrated; pod color at green shell stage is cream yellow with a touch of reddish shading and reddish tips; typical pod is slightly curved and contains 12–13 peas; size, shape, and eye pattern of peas similar to those characteristic of Pinkeye Purple Hull and Coronet; medium seed size, 15 g/100 dry seed; outstanding yield potential; excellent canner. Resistance: cowpea curculio, root knot nematodes, rust, and powdery mildew; susceptible to blackeye cowpea mosaic virus. Adaptation: southern United States. HortScience 28:62–63, 1993. 1991.

Bettersnap.—Breeder: United States Vegetable Laboratory, ARS, USDA, Charleston, South Carolina. Parentage: product of backcross breeding program to transfer the *Rk* gene for root knot nematode resistance from Mississippi Cream into the edible-podded cultivar Snapea. Characteristics: high bush habit; concentrated pod set; typical pod is slightly curved, 27 cm long, and contains 16 peas; pod color at harvestable snap stage, dark green; high yield potential. Resistance: root knot nematodes, blackeye cowpea mosaic virus, southern bean mosaic virus, cercospora leaf spot, and scab; susceptible to fusarium wilt. Adaptation: southern United States. HortScience 30:1318–1319, 1995. 1994.

California Blackeye 46 (8046).—Breeder: Univ. of California, Davis, and the California Agr. Expt. Sta. Parentage: California Blackeye 5 x (California Blackeye 5 x PI 166146). Characteristics: more erect plant habit than California Blackeye 5; seeds are typical blackeye type, cream seed coat with black pigment around hilum; seed smaller than California Blackeye 5, 19–20 gm per 100 seed vs. 23 gm per 100 seed; 90 day maturity to dry seed; canning qualities comparable to California Blackeye 5 and California Blackeye 3; yields comparable to or better than those of California Blackeye 5. Resistance: fusarium oxysporum f. sp. tracheiphilum race 3, homozygous for the *Rk* root knot nematode resistance gene. Crop Sci. 31:1703, 1991. 1987.

California Blackeye 88 (8518).—Breeder: Univ. of California, Davis, and the California Agr. Expt. Sta. Parentage: California Blackeye 5 x [California Blackeye 5 x (California Blackeye 5 x PI 166146)]. Characteristics: tall, erect, wide plant type; seeds are typical blackeye type, cream seed coat with a black pigment around hilum; smaller seed than California Blackeye 5, 21 gm per 100 seed vs. 23 gm per 100 seed;

90 day maturity to dry seed; yield and canning characteristics comparable to California Blackeye 5. Resistance: fusarium oxysporum f. sp. tracheiphilum race 3; homozygous for the *Rk* root knot nematode resistance gene. Similar: California Blackeye 5. Crop Sci. 31:1703, 1991. 1989.

Carolina Cream (V-306).—Breeder: United States Vegetable Laboratory, ARS, USDA, Charleston, South Carolina. Parentage: selection from CR 17-1-34, which was derived from the cross Alabama 963.8 x Floricream. Characteristics: medium, bushy growth habit; pod set concentrated; pod color at green shell stage, green with a distinct purple shading; typical pod slightly curved, 15 cm long, and contains 13 peas; fresh peas small, cream colored, and ovate-reniform shaped; dry peas cream colored, with smooth seed coats; excellent processing characteristics. Resistance: cowpea curculio, cercospora leaf spot, rust, powdery mildew; tolerance to seedling diseases. Adaptation: southeastern United States. HortScience 19:456–457, 1984. 1982.

Carolina Crowder (US-482).—Breeder: U.S. Vegetable Laboratory, ARS, USDA, Charleston, South Carolina. Parentage: complex, involves Mississippi Silver, Floricream, and Alabama 963.8. Characteristics: plant habit is medium bushy, somewhat more erect and compact than Mississippi Silver; pod color at green shell stage, brilliant red heavily shaded with cranberry-colored pigment; typical pod is slightly curved and contains 16–17 crowder-type peas; peas similar in size and appearance to those of Mississippi Silver; dry seed testa is smooth and light brown; excellent canner; excellent yield potential. Resistance: cowpea curculio, root knot nematodes, blackeye cowpea mosaic virus, fusarium wilt, cercospora leaf spot, rust, and powdery mildew. Adaptation: southern United States. HortScience 27:1335–1337, 1992. 1990.

Colossus 80 (V-321).—Breeder: U.S. Vegetable Laboratory, ARS, USDA, Charleston, S.C., and Clemson Univ., Clemson, S.C. Parentage: product of backcross breeding program to transfer the *ClS-1* gene for cercospora leaf spot resistance from CR 17-1-34 into Colossus. Characteristics: bushy, compact growth habit; pods are slightly to moderate curved, medium long; pod color at green shell stage, silver green with a slight reddish tinge; brown crowder type peas have irregular shape and are outstandingly large, 0.75 g per freshly shelled pea. Resistance: cercospora leaf spot, root knot nematodes, and rust; tolerance to mosaic type viral diseases. Similar: in appearance, maturity, and yield potential to Colossus; broader resistance to fusarium wilt than Colossus. Adaptation: southern United States. HortScience 17:263–264, 1982. 1980.

Corona.—Breeder: Univ. of Georgia, Athens. Parentage: derived from a single plant in a Coronet population. Characteristics: plants upright, compact plant habit, with dark green foliage; mature pods dark purple, 23 cm long; dry seeds are one cm long, oval shaped, weigh 26 gm per 100 seed, and have a smooth, cream colored testa with a red eye; yields comparable to those of Pinkeye Purple Hull and Coronet. Resistance: blackeye cowpea mosaic virus. Similar: Coronet, except pod length and seed are distinctly larger. HortScience 19:592. 1984.

Coronet.—Breeder: Univ. of Georgia, Experiment. Parentage: Pinkeye Purple Hull x [Pinkeye Purple Hull x (Pinkeye Purple Hull x Iron)]. Characteristics: upright and compact plant habit; green shell stage pods are purple and have an average length of 16–17 cm; green shell stage peas are green with a light red eye; dry seeds have a dark red or maroon eye; smooth seed coat; 62 day maturity to green shell, yields equal to Pinkeye Purple Hull. Resistance: tolerance to cowpea strains of southern bean mosaic and cucumber mosaic viruses; susceptible to cowpea yellow mosaic virus; only occasional plants exhibit fusarium wilt symptoms. Similar: Pinkeye Purple Hull plant, pod, and seed characteristics. Georgia Agr. Expt. Sta. Research Rpt. 220, 1976. 1975.

CT Pinkeye Purple Hull.—Breeder: C.T. Smith Co., Pleasanton, Texas. Parentage: selected from a heterogeneous Pinkeye Purple Hull population. Characteristics: procumbent plant habit; pod placement, scattered above the foliage; typical pod is straight with slight constrictions, 19 cm long, and contains 15 peas; pod color at green shell stage, dark purple; fresh peas are ovate to ovoid shaped; dry peas weight 180 g per 1000 seed, have maroon colored eyes and wrinkled seed coats; 67 day maturity to green shell; yields comparable to Coronet. Resis-

tance: blackeye cowpea mosaic virus and soybean cyst nematode; susceptible to bean yellow mosaic virus, cowpea yellow mosaic virus, and cucumber mosaic virus. PVP.

Early Pinkeye.—Breeder: Univ. of Georgia, Experiment. Parentage: selection from Pinkeye Purple Hull x (Purple Hull Brown Crowder x Oklahoma 4) double backcross to Pinkeye Purple Hull. Characteristics: upright, compact, nonvining, plant habit; concentrated pod set; greenshell stage pods are purple and average 16.5 cm in length; green shell stage peas are green with a light red eye; dry seeds have dark red or maroon eye; 50–55 day maturity to green shell, peas very similar to those of Pinkeye Purple Hull, yields comparable to Mississippi Silver, but slightly less than Coronet or Pinkeye Purple Hull. Georgia Agr. Expt. Sta. Res. Rpt. 273, 1978. 1977.

Elite (AR76-256).—Breeder: Univ. of Arkansas, Fayetteville. Parentage: VB63-143, 144 x Va 59-119. Characteristics: high bush, erect growth habit; concentrated set; pods 18 cm long and easily shelled; seeds small to medium, cream colored, not crowded in pod; high yield potential; suitable for both canning and freezing. HortScience 13:714, 1978.

Encore (VS81-92).—Breeder: Univ. of Arkansas, Fayetteville. Parentage: complex, involves Pinkeye Purple Hull, California Blackeye 5, and Texas Cream 42. Characteristics: erect, bush plant habit; concentrated pod set; pods are straight, 15–18 cm long; mature seed are ovoid shaped with a medium sized brown eye, 23 gm per 100 seed; pod color, bright reddish-purple; high yield; maturity similar to Pinkeye Purple Hull; quality of canned and frozen pea is satisfactory. HortScience 24:401–402, 1989.

Epoch (AR 81-197).—Breeder: Univ. of Arkansas, Fayetteville. Characteristics: erect plant habit with short basal branches; concentrated pod set; pod length, 15–18 cm; shell stage peas are medium-large and have a medium to large pinkeye pattern; early maturity; processed peas comparable in quality to those of Pinkeye Purple Hull, canned and frozen. Resistance: tolerance to bacterial blight. Arkansas Farm Research, p 3, July–August, 1984.

Exmore (Va. 69-13).—Breeder: Virginia Truck and Ornamentals Research Station. Parentage: New Hampshire Z Cream x Va. 59-119. Characteristics: erect, determinate growth habit; green shell maturity pods are slightly curved, yellow, and 18–20 cm long; medium to small seed, 13–14 g per 100 dry seed; 40–50 g per mature green seed; 52–60 day maturity; good to excellent yield. The Vegetable Growers News, July, 1975.

Freezegreen.—Breeder: Auburn Univ., Auburn, Alabama. Parentage: derived from a single dry seed with a green seed coat found in a bulked seed lot of Alabama 963.8, parental background probably includes Lady and Conch. Characteristics: low bushy growth habit with spreading basal branches; pods are straight to slightly curved, 15 cm long; pod color ranges from green with a tinge of purple to solid purple at the green shell stage; seeds are small, globose shaped; dry seed color, light olive; good yield potential; easy to shell, persistent green color of seed coat controlled by the recessive gene *gt*, green testa. Resistance: cowpea curculio and cercospora leaf spot; susceptible to root knot nematodes. HortScience 14:193, 1979.

Genegreen.—Breeder: Auburn Univ., Auburn, Alabama. Parentage: complex, involves Freezegreen, Giant Blackeye, Conch, and Princess Anne Blackeye. Characteristics: slightly viney, bush type growth habit with pods borne level with or above the foliage; medium early maturity; pods are 19 cm long; pod color is green at green shell stage and medium brown when dry; dry peas are small to medium size and are oval to kidney shape, with a small black eye on an olive green seedcoat; persistent green color of seed coat controlled by the recessive gene *gt*, green testa; yields comparable to Pinkeye Purple Hull-BVR and Mississippi Silver. Resistance: blackeye cowpea mosaic virus. Alabama Agr. Expt. Sta., Highlights of Agricultural Research, Vol. 39, Number 3, Fall, 1992.

Hercules.—Breeder: South Carolina Agr. Expt. Sta., Clemson. Characteristics: semierect plant habit; medium maturity; pods are straight, 22 cm long; pod color at green shell stage, green; large, coffee colored, crowder type seeds. Cowpea Newsletter, 1(2):7–14, 1986. 1981.

Kiawah (US-428).—Breeder: United States Vegetable Laboratory, ARS, USDA, Charleston, South Carolina. Parentage: product of

backcross breeding program to transfer the *Rk* gene for root knot nematode resistance from Mississippi Silver into Pinkeye Purple Hull. Characteristics: low, bushy growth habit; pod color at the green shell stage, dark purple; fresh peas are kidney shaped and have a pink eye; dry seed testa is smooth. Similar: in appearance, maturity, and yield potential to Pinkeye Purple Hull. Adaptation: southeastern United States. HortScience 23:645–646, 1988. 1987.

Magnolia Blackeye.—Breeder: Mississippi State Univ., Mississippi State. Parentage: complex, involves Extra Early Blackeye, Bunch Purple Hull, and Dixielee. Characteristics: medium sized, bush growth habit; pod color at green shell maturity, light green-yellow; pod length, 18 cm; green shell stage peas are light green in color and have a black eye; seed much less wrinkled than most blackeyes; 65–70 day maturity; good yield potential. Resistance: fusarium wilt and root knot nematodes; tolerance to viruses. Mississippi Agr. And Forestry Expt. Sta. Research Highlights 37(5):1–2, May, 1974.

Mississippi Pinkeye.—Breeder: Mississippi State Univ., Mississippi State. Parentage: complex, involves Bunch Purple Hull. Characteristics: semierect plant habit; concentrated pod set; typical pod is slightly curved, 24 cm long, and contains 18 peas; pods are light purple at green shell maturity and dark purple when dry; mature green peas are light green with a pink eye; dry peas are white with a red eye, average 5 mm wide x 9 mm long, have a kidney shape and smooth testa, weigh 22 gm per 100 seed; 54–60 day maturity; yield and quality of fresh and frozen peas equivalent to other pinkeye type cultivars. Resistance: fusarium wilt and root knot nematodes; tolerance to viruses equal to Mississippi Silver. Similar: Bunch Purple Hull. HortScience 26:76–77, 1991.

Mississippi Shipper.—Breeder: Mississippi State Univ., Mississippi State. Parentage: complex, involves Mississippi Silver, Newton Silverskin, and Knuckle Purple Hull. Characteristics: brown crowder, semierect plant habit; concentrated pod set; pod color, dark green when immature, dark purple over part of the pod at the green shell stage, and completely dark purple when dry; seed color is light green to cream when immature and tan to brown when mature; dry seed crowder shaped, smooth, 7 mm long x 6 mm wide, and weigh 24 gm per 100 seed; high yield potential; pods maintain pod wall color during the time required for fresh-market shipping, storage, and retailing; recommended for use both as a fresh-market and canning pea. Resistance: fusarium wilt, root knot nematodes, cowpea curculio, and choanephora pod rot; tolerance to blackeye cowpea mosaic virus, cowpea chlorotic mottle virus, cowpea severe mosaic virus; southern bean mosaic virus, cowpea strain, and cucumber mosaic virus. Similar: Mississippi Purple, except for pod color and pod wall thickness. HortScience 20:1142–1143, 1985. 1984.

Pinkeye Purple Hull-BVR.—Breeder: Univ. of Georgia, Athens. Parentage: derived from a single plant in a Pinkeye Purple Hull population. Characteristics: plant, pod, and seed characteristics indistinguishable from Pinkeye Purple Hull. Resistance: blackeye cowpea mosaic virus. HortScience 19:592, 1984.

Royal Blackeye.—Breeder: Louisiana State Univ., Calhoun. Vendor: Sun Seeds, Hollister, California. Parentage: complex, involves Calhoun Crowder, Blackeye, Bunch Purple Hull, Texas Cream 8, Louisiana Purchase. Characteristics: indeterminate, short vine plant habit; pods are straight, purple at the green shell stage, and 18.5 cm long; dry seeds are 8.3 mm long, oval, and weigh 19 gm per 100 seed; mature green peas have a smooth, light green testa with a black eye; 57–63 day maturity; good processing characteristics; good yield potential. Resistance: field tolerance to bacterial leaf blight and possibly mosaic virus. HortScience 23:933, 1988. 1985.

Santee Early Pinkeye (US-311).—Breeder: United States Vegetable Laboratory, ARS, USDA, Charleston, South Carolina. Parentage: complex, involves Coronet, Pinkeye Purple Hull, Iron, Alabama 963.8, and Alabama 562-9-2-6-1. Characteristics: plant habit is low bush, more compact than Coronet; pod color at the green shell stage, dark purple; fresh peas are kidney shaped and have a pink eye; dry peas have a smooth seed coat and are slightly smaller than those of Coronet; excellent processing characteristics. Similar: appearance, maturity, and yield potential to Coronet, but matures 5–10 days earlier. Adaptation: the southeastern United States. HortScience 25:990–991, 1990. 1988.

Tender Cream (US-630).—Breeder: U.S. Vegetable Laboratory, ARS, USDA, Charleston, S.C. Parentage: product of backcross breeding program to transfer the *Rk* gene for root knot nematode resistance from Floricream into Carolina Cream. Characteristics: medium, bushy growth habit; concentrated pod set; pod color at green shell maturity, green with a distinct purple shading; typical pod is slightly curved, 14–16 cm long, and contains 12–14 peas; fresh peas are small, cream colored, and ovate to reniform shaped; high yield potential; excellent processing characteristics. Resistance: cowpea curculio, root knot nematodes, southern bean mosaic virus, cercospora leaf spot, southern blight, rust, and powdery mildew; field resistance to blackeye cowpea mosaic virus; tolerance to seedling diseases. Adaptation: southeastern United States. HortScience 31:1250–1251, 1996. 1955.

Texas Pinkeye Purple Hull (Tx 220-4).—Breeder: Texas A&M Univ., College Station. Parentage: complex, involves Burgundy, Pink-eye Purple Hull, Purple Hull 49, Blackeye 8152, and US-432. Characteristics: erect plant habit, plants are 15–20 cm taller than standard pinkeye cultivars, plant habit lends itself to high plant population culture; pod color green and purple when immature, dark purple at green shell stage, and purple when dry; concentrated pod set; pods slightly curved; fresh peas have a slight kidney shape and a green color with a bright-pink eye; dry peas have smooth to slightly wrinkled, cream colored testa with a dark maroon eye; eye is slightly larger than that of Pinkeye Purple Hull; seeds smaller than those of Pinkeye Purple Hull, 18 gm per 100 seed. Generally 10 days earlier and higher yielding than Pinkeye Purple Hull and Pinkeye Purple Hull-BVR; outstanding yield potential; outstanding freezing and canning characteristics. Resistance: root knot nematodes; immune to Georgia isolate of blackeye cowpea mosaic virus and some isolates of cowpea aphid borne mosaic virus, but susceptible to other isolates; tolerance to isolates from California and India; susceptible to rust, powdery mildew, and cercospora leaf spot. PVP. Adaptation: culture on highly calcareous soils. HortScience 29:926–927, 1994. 1990.

White Acre-BVR.—Breeder: Univ. of Georgia, Athens. Parentage: derived from a single plant in a White Acre population. Characteristics: plant, pod, and seed characteristics indistinguishable from White Acre; small seeded, cream type. Resistance: blackeye cowpea mosaic virus. HortScience 19:592, 1984.

Worthmore.—Breeder: Univ. of Georgia, Tifton. Parentage: Mississippi Silver x Pinkeye Purple Hull. Characteristics: upright plant habit; pod color at green shell maturity, purple; typical pod is 18 cm long and contains 16 peas; green shell peas are light green with a slightly tan eye; dry seeds are light tan with a greenish tan eye and have a smooth testa; excellent yield potential; 63 day maturity; plants and pods similar to Pinkeye Purple Hull, and seeds very similar to Mississippi Silver; suited for home gardens, fresh market, and processing. Resistance: resistance or tolerance to cowpea chlorotic mottle virus, southern bean mosaic virus, cucumber mosaic virus, and cowpea aphid borne mosaic virus. HortScience 11:621–622, 1976.

SPINACH

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Ambassador (XPH 1509).—Breeder and vendor: Asgrow. Characteristics: vigorous, fully savoyed hybrid with dark green, heavily bodied leaves, plants are semierect for machine harvesting, fresh-market use. Resistance: downy mildew 1, 2. Similar: Kent. 1988.

Bolero.—Breeder and vendor: Royal Sluis. Characteristics: smooth leaf, dark green color, processing type, but some fresh-market use. Resistance: downy mildew 1, 2, 3, 4. Similar: Polka. 1991.

Bossanova.—Breeder and vendor: Royal Sluis. Characteristics: smooth leaf, fresh-market type. Resistance: downy mildew 1, 2, 3, 4. Similar: Polka. 1991.

Campo.—Breeder: Nunhems. Vendor: Cannors. Characteristics: medium green, large leaf, short petiole. Resistance: mildew race 1, 2, 3. 1989.

Cascade (58).—Breeder and vendor: Christiansen. Characteris-

tics: medium green smooth leaf, petioles strong and growth erect, fast growing for winter season bunching or processing. Resistance: tolerance to mildew 1, 2, 3. Similar: Hybrid 424.

Cello-Pak.—Breeder and vendor: Rogers. Characteristics: Early fresh-market flat leaf spinach. Medium plant with erect, smooth leaves that are dark green and semi-round. Resistance: downy mildew 1, 2, 3, 4. Similar: Shostar and St. Helens. 1994.

Correnta.—Breeder and vendor: Royal Sluis. Characteristics: long standing, smooth leaf type, dark green, oval leaves, well suited for Clip or Cello-Pack. Resistance: downy mildew 1, 2, 3. 1978.

Esliato.—Breeder and vendor: Royal Sluis. Characteristics: dark green, smooth leaf, suited to fresh market and processing, adapted to higher latitudes of North America. Resistance: downy mildew 1, 2. 1975.

Fallgreen (AR 82-5).—Breeder: Univ. Arkansas. Vendor: Christiansen. Characteristics: semi-savoy, dark green color, recommended for fall planting in white rust problem areas. Resistance: tolerance to white rust, downy mildew 1, 2 and fusarium. Similar: Melody. Adaptation: Arkansas, Oklahoma, Tennessee, and Texas. 1987.

Gladiator (XPH 1420).—Breeder and vendor: Asgrow. Characteristics: semi-savoyed hybrid. Resistance: downy mildew 1, 2, 3, cucurbit mosaic virus. Similar: Seven R. 1984.

Green Valley II.—Breeder: Univ. Arkansas. Vendor: Christiansen. Characteristics: semi-savoy, medium, emerald glossy, green spinach for fall planting in white rust problem areas. Resistance: tolerance to blue mold 1, 2, white rust. Similar: Green Valley. 1984.

Iron Cross (FMX 41).—Breeder: C. Marcotte. Vendor: Ferry-Morse. Characteristics: medium dark green, medium slow bolting type, semi-savoy type. Resistance: cucurbit mosaic virus. Similar: Avon. 1983.

Iron Prince (FMX 59).—Breeder: G. Emery. Vendor: Ferry-Morse. Characteristics: dark green, relatively slow bolting, relatively smooth-leaved. Resistance: blue mold, common strains cucurbit mosaic virus. Similar: Hybrid 424. 1983.

Laron (Nun 5184).—Breeder: Nunhems. Vendor: Cannors. Characteristics: large dark green leaves, quick growth, slow bolting, fresh or processing. Resistance: mildew race 1, 2, 3. 1989.

Liberty (FMX 88).—Breeder: G. Emery. Vendor: Ferry-Morse. Characteristics: high yield potential, vigorous growth under cool growing conditions, slow bolting, semierect with medium to dark green leaves, moderately rounded and smooth to slightly savoyed. Resistance: blue mold 1, 2. Similar: Polka. 1988.

Lina.—Breeder: Nunhems. Vendor: Cannors. Characteristics: strong, thick leaves, medium color, suitable for fresh market and processing. Resistance: mildew race 1, 2, 3. 1989.

Majestic (XPH 1444).—Breeder: Known-You. Vendor: Asgrow. Characteristics: flat leaved, light texture, light color, vigorous and fast growing, pointed leaves. 1986.

Manta (XPH 1449).—Breeder and vendor: Asgrow. Characteristics: Semi-savoyed hybrid with large dark green leaves, plant is vigorous and semierect. Resistance: downy mildew, race 1 and, 3. Similar: Seven R, Packer, and Kent. 1989.

Mazurka.—Breeder and vendor: Royal Sluis. Characteristics: semi-smooth leaf, well adapted to northern latitudes, dual purpose. Resistance: downy mildew 1, 2, 3. 1978.

Melody.—Breeder and vendor: Royal Sluis. Characteristics: semi-savoy, dark green color, suitable for fresh market and processing. Resistance: tolerance to downy mildew 1 and 2. 1975.

Meridian (XPH 1448).—Breeder and vendor: Asgrow. Characteristics: vigorous, late maturing, slightly crinkled, flat leaved with excellent color, large leaf blades with short petiole. Resistance: downy mildew 1, 2, 3. Similar: High Pack. 1986.

Murena (XPH 1509).—Breeder and vendor: Asgrow. Characteristics: very early, vigorous, and fully savoyed, leaves are dark green, plant is semierect and suitable for machine harvest. Resistance: downy mildew races 1, 2. Similar: Seven R. 1988.

Nordic 4.—Breeder and vendor: Rogers. Characteristics: midseason flat leaf spinach with semi-pointed, smooth, dark green leaves, good for fresh market or processing, derived from Nordic. Resistance: downy mildew 1, 2, 3, 4. Similar: Nordic and Polka. 1994.

Ozarka II.—Breeder: Univ. Arkansas. Vendor: Christiansen. Characteristics: medium curled green, savoy spinach for fall planting in white rust problem areas. Resistance: tolerance to blue mold I and II, and high tolerance to white rust. Similar: Ozarka 612. 1984.

Pacifica (NVH 3647).—Breeder and vendor: Northrup King. Characteristics: flat leaf type, medium light green color, flat to slightly cupped leaf, medium leaf thickness. Resistance: downy mildew, blight. Similar: Hybrid 424. 1981.

Polka.—Breeder and vendor: Royal Sluis. Characteristics: dual purpose, smooth leaf type, stress tolerant, long standing, dark green color. Resistance: downy mildew 1, 2, 3. 1978.

Rainier (Exp. 4375).—Breeder: Christiansen. Characteristics: medium curled green, savoy spinach for fall planting in white rust problem areas. Resistance: tolerance to blue mold 1, 2; high tolerance to white rust. Similar: Ozarka, 612. 1984.

Regency (XPH 1510).—Breeder and vendor: Asgrow. Characteristics: very fast growing, light bodied, flat-leafed spinach. Resistance: downy mildew, races 1, 2, 3. Similar: High Pack. 1991.

Rhythm.—Breeder and vendor: Royal Sluis. Characteristics: early maturing, semi-savoy. Resistance: downy mildew 1, 2, 3. 1978.

Rico.—Breeder: Nunhems. Vendor: Cannors. Characteristics: large, thick, dark green leaves, slow bolting, fresh and processing. Resistance: mildew race 1, 2, 3. 1989.

Sassy (ARCO 77).—Breeder and vendor: ARCO. Characteristics: vigorous growing dark green full savoy, used for fresh market and processing. Resistance: tolerance to white rust, downy mildew 1, 2. Similar: Dixie Market. 1986.

Shamrock (FMX 61).—Breeder: G. Emery. Vendor: Ferry-Morse. Characteristics: dark green, slow bolting semi-savoy type. Resistance: cucurbit mosaic virus. Similar: Avon. 1983.

Sitra.—Breeder and vendor: Nunhems Zaden. Characteristics: combines fast growth with slow bolting. Resistance: mildew race 1, 2, 3. 1991.

Teton (CXF 1537).—Breeder: Christiansen. Vendor: Chriseed. Characteristics: slow to bolt, erect plant habit, deep green ovate leaves. Resistance: tolerance to downy mildew 1, 2, 3, 4. Similar: Olympia. 1993.

Unipack 12 (RS900012).—Breeder: D. Sousa. Vendor: Petoseed. Characteristics: dark green color, durable leaf texture, slow bolting, erect plant habit, very uniform maturity. Resistance: downy mildew 1, 2, 3, 4. Similar: Nordic, Space.

Unipack 151 (RS900151).—Breeder: D. Sousa. Vendor: Petoseed. Characteristics: dark green, glossy, durable leaf texture, semi savoy type, slow bolting, uniform. Resistance: downy mildew 1, 2, 3, 4. Similar: Melody, Vienna.

SQUASH

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All Season (87 S 236).—Breeder: P. Yorty. Vendor: Musser. Characteristics: usable at all stages of development, richer flavor than summer squash, 2 lb fruit size, medium size bush plant. Similar: Gold Nugget. 1988.

Allegre (5716).—Vendor: Takii. Similar: Onyx. 1991.

Aquarius (NVH 3753).—Breeder and vendor: Northrup King. Characteristics: light zucchini type, upright open bush, flecked medium green, straight fruit, early-midseason. Similar: Senator, Zucchini Elite. 1981.

Argus (XPH 1247).—Breeder and vendor: Asgrow. Characteristics: very long light green fruit, extremely productive, open plant. Similar: Marvella types, Sarzanese.

Autumn Pride (XPO25).—Breeder: B. Loy. Vendor: Univ. Hew Hampshire. Characteristics: bush plant bearing generally one large fruit per plant, fruit pale pink with thick orange flesh. Similar: Blue Hubbard. PVP. 1983.

Aztec (86 S 160).—Breeder: P. Yorty. Vendor: Musser. Characteristics: high yield; long fruit have medium gold color with green tips;

plants have highly mottled foliage. Similar: Gold Rush. 1990.

Baraka (Chy 4021).—Vendor: ARCO/Dessert Seed. Characteristics: early maturing, light green Lebanese type squash; plants are medium in size with a semi-open bush and single stem; fruit are 4–5" in length, smooth and slightly larger at the blossom end, very productive. Similar: Clarita.

Barq (FMX 327D).—Breeder: G. Emery. Vendor: Ferry-Morse. Characteristics: vigorous, open medium-dark green plants with medium light green slightly teardrop shaped fruit. Similar: Victoria. 1985.

Belor.—Vendor: Vilmorin. Characteristics: a cultivar most suitable for protected crops, open plant habit, upright and very productive, long cylindrical fruit, very dark shiny green, 18–20 cm. Similar: Aurore, Tarmino, Spendor. 1985.

Blanquita (ARCO 233).—Breeder: A. Gabert. Vendor: ARCO/Dessert Seed. Characteristics: pale green fruit color with slight speckling, slight silver on dark green leaves, fruit have slight taper to stem end. Similar: Clarita. 1985.

Blondie (XPH 1435).—Breeder and vendor: Asgrow. Characteristics: unique pale yellow color, long cylindrical fruit, open bush. 1986.

Botna (Nun 6661).—Breeder and vendor: Nunhems Zaden. Characteristics: vigorous type, single stem without laterals, long slender cylindrical fruit, medium green, glossy fruit color, flecked with light green. 1991.

Butter Blossom (SQ 208).—Breeder: T. Natti. Vendor: Robson. Characteristics: dark green zucchini type summer squash, 45 day maturity, higher percentage of early male flowers. Similar: Corsair. 1987.

Butter Scallop (88S244).—Breeder: P. Yorty. Vendor: Musser. Characteristics: bright yellow fruit color without green ends, typical scallop shape, high yield. Resistance: wide. 1990.

Butternut Supreme (PSX 11395).—Breeder and vendor: Petoseed. Characteristics: winter squash, uniform thick neck fruit, large vine, 4 lb. 1990.

Carnival (HMX 6732).—Breeder: T. Superak. Vendor: Harris Moran. Characteristics: acorn type, semi-bush, striped, bicolor, unique type. Similar: Sweet Dumpling. 1991.

Castle Black (Chy 4008).—Vendor: ARCO/Dessert Seed. Characteristics: black zucchini hybrid. Similar: Blackjack, Blackee. 1983.

Castle Pride (Chy 4010).—Vendor: ARCO/Dessert Seed. Characteristics: yellow crookneck hybrid. Similar: Dixie. 1983.

Castle Queen (Chy 4022).—Breeder and vendor: ARCO/Dessert Seed. Characteristics: medium-dark green zucchini with very slight flecking, plants are open bushes, fruit are uniform, cylindrical, and smooth. Similar: Ambassador, Seneca. 1985.

Castlejade (Chy 4005).—Vendor: ARCO/Dessert Seed. Characteristics: longer fruited zucchini, fruit 7.25–8.5" long, uniform, smooth, dark green with light green flecks, plants are medium open and single stemmed. Similar: Aristocrat, Zucchini Elite.

Classic (ACX-4254).—Breeder and vendor: Abbott Cobb. Characteristics: medium green, well flecked cylindrical fruit-hold shape. Similar: Elite. 1981.

Commander (PSX 8587).—Breeder and vendor: Petoseed. Characteristics: good for processing and fresh market, open plant habit. 1990.

Congress (XPH 1565).—Breeder and vendor: Asgrow. Characteristics: longer fruit length than Senator, and one pick earlier. Similar: Senator.

Consul (XPH 1428).—Breeder and vendor: Asgrow. Characteristics: early summer squash in the Senator, Seneca zucchini class, long, cylindrical fruit; medium dark green in color. Similar: Senator. 1985.

Contessa (XPH 1427).—Breeder and vendor: Asgrow. Characteristics: prolific, zucchini type with slender, straight fruit. Similar: Ambassador. 1984.

Corona (XPH 1592).—Breeder and vendor: Asgrow. Characteristics: highly productive hybrid squash, pale green-cream in color with no green striping, erect plant, easy to pick. Similar: Clarita. 1986.

Corsair (XPH 1391).—Breeder and vendor: Asgrow. Characteristics: early prolific, dark colored zucchini type. Similar: Blackjack. 1984.

Counselor (PS 35691).—Breeder and vendor: Petoseed. Charac-

teristics: medium green color, cylindrical shape, 7–8" long, 50 day maturity. Similar: Napolini, Onyx, Senator. 1994.

Cream of the Crop (86 S 204).—Breeder: P. Yorty. Vendor: Musser. Characteristics: bush plant, cream rind color which becomes bright yellow after storage, extended storage ability of 4–5 months, mild flavor, cream flesh color. Similar: Table King. 1988.

Crescent (81-2282).—Breeder and vendor: Musser. Characteristics: early, productive, slender fruit, medium size plants. 1984.

Dali (FMX 202).—Breeder and vendor: Ferry-Morse. Characteristics: similar to Lebanese type marrow but longer and more cylindrical. Similar: Jedida.

Dark Star (NVH 3751).—Breeder and vendor: Northrup King. Characteristics: small, smooth open bush, long cylindrical, slightly ribby fruit, mid-late season, dark green zucchini type. Similar: Castle Black, Market King, Diplomat. 1981.

Dividend (ZS19).—Breeder and vendor: Rogers Brothers. Characteristics: slightly tapered, medium green zucchini on vigorous bush. Resistance: zucchini yellow mosaic virus, cucumber mosaic virus, watermelon mosaic virus. Similar: Elite, Senator, Tigress. 1995.

Dixie ZWC (XPH1741).—Breeder and vendor: Asgrow. Characteristics: EPG source. Resistance: zucchini yellow mosaic virus, watermelon 2 mosaic virus, cucumber mosaic. Similar: Dixie. 1994.

Early Acorn.—Breeder and vendor: Burpee. Characteristics: early maturing large acorn produced on short semi-bush type plants. Similar: Table Ace. 1982.

Eclipse (NVH 3759).—Breeder and vendor: Northrup King. Characteristics: dark zucchini type, very dark green fruit, cut leaf open bush, petioles nearly spineless, medium-large maturing. Similar: Dusk, Black Eagle. 1981.

El Greco (FMX615).—Breeder and vendor: Ferry-Morse. Characteristics: dark green, glossy skin, very attractive zucchini shape, open bush habit. Similar: Ambassador.

Elini.—Breeder: Abbott Cobb. Vendor: Otis Twilley. Characteristics: well flecked, medium green fruitless tendency to become bulbous than many other zucchinis. Similar: Elite, Chefini.

Eliva (NUN 6653).—Breeder and vendor: Nunhems Zaden. Characteristics: medium vigorous growth open plant habit, medium long, cylindrical fruit, dark green glossy color, high yield. 1990.

Embassy (PSX 49487).—Breeder and vendor: Petoseed. Characteristics: strong open plant habit, few spines, medium green, cylindrical shape. 1990.

Encore (XPH 1568).—Breeder and vendor: Asgrow. Characteristics: early high yielding, medium-long, light green-white, skinny English Marrow type hybrid, L/D 3.8. Similar: Opal. 1989.

Enterprise (NVH 3653).—Breeder and vendor: Northrup King. Characteristics: yellow straight neck hybrid, large cut leaf spiny bush, long, tapered, creamy yellow fruit, early maturing. Similar: Hybrid Golden Eagle. 1981.

Freedom 2 (XPH 1719).—Breeder and vendor: Asgrow. Characteristics: EPG source with virus resistance. Resistance to zucchini yellow mosaic virus, watermelon mosaic virus 2. Similar: Pavo. 1994.

Freedom 3 (XPH 1751).—Breeder and vendor: Asgrow. Characteristics: Pavo line with virus resistance. Resistance: zucchini yellow mosaic virus, watermelon mosaic virus 2, and cucumber mosaic virus. Similar: Pavo. 1994.

Freedom PMR (XPH 1732).—Breeder and vendor: Asgrow. Characteristics: EPG source with virus resistance. Resistance: zucchini yellow mosaic virus, watermelon mosaic virus 2, powdery mildew. Similar: Dixie, Pavo. 1994.

Gemma (XPH 1641).—Breeder and vendor: Asgrow. Characteristics: dark green, almost black colored zucchini. Similar: Ebony. 1993.

General Patton (XPH 1753).—Breeder and vendor: Asgrow. Characteristics: powdery mildew resistant precocious hybrid yellow straightneck squash. Resistance: powdery mildew. Similar: Multipik Sunbar. 1995.

Golden Dawn (NVH 3760).—Breeder and vendor: Northrup King. Characteristics: golden zucchini hybrid, slender bright gold zucchini fruit with dark green fruit stem, open bush, cut leaf. Similar: Gold Rush. 1981.

Goldfinger (XPH 1294).—Breeder and vendor: Asgrow. Charac-

teristics: golden zucchini; L/D 3.8; firm seed cavity, cylindrical, plants are open with flecked leaves, processing, home garden, or fresh-market use. Similar: Goldrush. 1985.

Green Magic 2.—Breeder: P. Yorty. Vendor: Musser. Characteristics: 25% longer than Green Magic. 1986.

Grisette (Chy 4026).—Breeder and vendor: ARCO/Dessert Seed. Characteristics: medium gray green fruit color with some stripe, leaves are dark green with some silver, fruit are ≈6.25" long with some taper to the end. Similar: Caserta. 1983.

Heart of Gold (NVH 3954).—Breeder and vendor: Rogers Brothers. Characteristics: early maturity, 90–100 day maturity, heart shaped fruit, 2.5–3 lb, dark green mottled striped on cream, vigorous semi-bush. Similar: Sweet Dumpling. 1992.

Herald (XPH 1380).—Breeder and vendor: Asgrow. Characteristics: earlier than Senator with smaller plant. Similar: Senator.

Honey Boat (OSU D27).—Breeder: J.R. Baggett, Oregon Agr. Exp. Sta. Characteristics: small, oblong, green striped on tan, sweet flavor, high dry matter. Similar: Delicata. 1990.

Hurricane (Sunex 9718).—Breeder and vendor: Sunseeds. Characteristics: cylindrical, excellent length excellent yield. Similar: Ambassador, Senator, Seneca Zucchini. 1995.

Jackpot (007041).—Breeder and vendor: Hollar. Characteristics: hybrid, open bush, few spines, dark green foliage, scalloped leaves. Similar: Black Beauty. 1985.

Jade (FMX 212).—Breeder: L. Gautney. Vendor: Ferry-Morse. Characteristics: zucchini type with medium green color with slight striping and moderate speckling. Similar: Zucchini Elite. 1985.

Jaguar (HMX 3712).—Breeder: T. Superak. 1994. Vendor: Harris Moran. Characteristics: dark green, long cylindrical fruit, high yields. Resistance: zucchini yellows, watermelon mosaic 2, papaya ring. Similar: Midnight.

Karam (XPH 1599).—Breeder and vendor: Asgrow. Characteristics: long-fruited, English marrow type, smooth skinned, light green in color; very productive. Similar: Maayan. 1988.

Lancer (XPH 1546).—Breeder and vendor: Asgrow. Characteristics: long, cylindrical, lighter colored than Senator, zucchini squash, small, open bush, projected for early market needs. Similar: Senator, Seneca zucchini.

Largo (CV 235).—Breeder and vendor: Northrup King. Characteristics: long cylindrical zucchini squash that harvests over a long period. Similar: Elite, Ambassador; Zucchini squash. 1990.

Lemonbar (XPH 1433).—Breeder and vendor: Asgrow. Characteristics: yellow straightneck, L/D 3.9, longer fruited than Lemondrop L, relatively smooth skinned. Similar: Lemondrop L. 1986.

Liberator 3 (XPH 1740).—Breeder and vendor: Asgrow. Characteristics: hybrid yellow straight neck with broad resistance to viruses. Resistance: zucchini yellow mosaic virus, watermelon mosaic virus, cucumber mosaic virus. Similar: Lemondrop L. 1995.

Meigs (XOH 1671).—Vendor: Asgrow. Characteristics: precocious crookneck squash. 1994.

Mellow Gold (XP 931).—Breeder and vendor: Agway. Characteristics: 50 day yellow straightneck summer squash, fruit are slightly tapered to cylindrical. Similar: Gold Slice. 1987.

Midnight Express (FMX 210).—Breeder: L. Gautney. Vendor: Ferry-Morse. Characteristics: zucchini type with dark green fruit color, large open bush, fruit slightly long and slightly darker green than Onyx. Similar: Onyx. 1985.

Moctezuma (HMX 1708).—Breeder: T. Superak. Vendor: Harris Moran. Characteristics: compared to Zucchini Grey Small Seeded, early, high yielding, shorter and thicker fruit shape, disease tolerance, larger more vigorous plant, more open habit. Resistance: Zucchini Yellow Mosaic Virus, powdery mildew. Similar: Zucchini Grey Small Seeded. 1994.

Monet (FMX227).—Breeder and vendor: Ferry-Morse. Characteristics: precocious yellow straight neck, medium yellow color with yellow stem. plant is 18–28" depending on growing season and location, good yields. Similar: Lemondrop, Multipik.

Obodas (XPH 1757).—Vendor: Asgrow. Characteristics: squash of English Marrow type for Middle East, slightly slender fruit, same color as English Marrow with a distinct blossom end scar, light green. Similar: English Marrow. 1994.

Pasta (PSX 10298).—Breeder and vendor: Petoseed. Characteristics: fresh-market spaghetti squash. 1991.

Pavo (XPH 1457).—Breeder and vendor: Asgrow. Characteristics: early, smoother skinned version of Dixie. Similar: Dixie. 1985.

Pic-N-Pic.—Breeder and vendor: Burpee. Characteristics: golden crookneck hybrid early with smooth wart-free skin, single stem open plant habit. Similar: Sundance. 1985.

Picasso (FMX564).—Vendor: Ferry-Morse. Characteristics: early maturity, excellent yield, better uniformity than Dixie. Similar: Dixie. 1995.

Precious (83 5237).—Breeder: P. Yorty. Vendor: Musser. Characteristics: precocious yellow fruit color eliminates greenish-yellow color. Similar: Multipik. 1989.

Prelude 2 (XPH1732).—Breeder and vendor: Asgrow. Characteristics: yellow Crookneck with pronounced crook. Resistance: zucchini yellow mosaic virus, watermelon mosaic virus, and powdery mildew. Similar: Dixie, Pavo. 1995.

Premier (GSV 83-68).—Breeder: Goldsmith. Vendor: Northrup King. Characteristics: elite-type summer squash, early, medium green glossy fruit color, open plant habit, long smooth cylindrical fruit. Similar: Elite types. 1982.

Rama (XPH 1517).—Breeder and vendor: Asgrow. Characteristics: an English marrow type, light green in color; L/D 2–3 at prime pickling stage for Middle East, high yielding over long pickling period. Similar: Clarita. 1986.

Raven (NVH 3771).—Breeder and vendor: Northrup King. Characteristics: very dark green summer squash, produces 7–8" cylindrical fruit with dark green glossy appearance, open plant for ease of picking, nearly spineless petioles. Similar: Blackjack. 1985.

Rebel Yell (FMX 359).—Breeder: L. Gautney. Vendor: Ferry-Morse. Characteristics: outstanding earliness, smoothness, and yield, medium yellow fruit color. Similar: Dixie. 1988.

Regency (GSV 83-71).—Breeder: Goldsmith. Vendor: Northrup King. Characteristics: open plant habit, summer squash nearly spineless, very uniform cylindrical fruit, medium green, waxy appearance. Similar: Ambassador. 1983.

Resista (XPH 1742).—Vendor: Asgrow. Characteristics: squash of English Marrow type for Middle East, slightly darker than English Marrow with a distinct blossom scar. Similar: English Marrow. 1994.

Revenue (ZS15).—Breeder and vendor: Rogers Brothers. Characteristics: medium-light green zucchini with upright plant and vigorous bush, fruit are slightly tapered, 44–47 day maturity. Resistance: cucumber mosaic virus, zucchini yellow mosaic, watermelon mosaic virus. Similar: Tigress, Elite. 1995.

Richgreen Zucch.—Breeder and vendor: Burpee. Characteristics: compact open single stem bush habit and very dark glossy green cylindrical fruit. Similar: Ambassador. 1982.

Rocky Gold.—Vendor: Hollar. Characteristics: zucchini-type fruit but with shiny golden skin, pale white flesh, no green color at either end of fruit. Similar: Burpee Golden Zucchini. 1983.

Seneca Autumn Qn (1875).—Breeder and vendor: Petoseed. Characteristics: semi-bush, dark green fruit 5–6" diameter, 71 day relative maturity. Similar: Table Ace. 1987.

Sensation (XPH 1713).—Breeder and vendor: Asgrow. Characteristics: fruit medium dark green, long and slender, compact but open bush. Similar: Senator. 1993.

Shurouq (FMX109).—Breeder: G. Emery. Vendor: Ferry-Morse. Characteristics: excellent vigor bush type, early and prolonged production of light pale gray-green, smooth wide stem end, medium short, blocky tear drop narrow type fruit. Similar: Vicotira, Ghada. 1985.

Spineless Beauty (NVH 3773).—Breeder and vendor: Northrup King. Characteristics: medium green hybrid summer squash, spineless. Similar: Ambassador, Classic. 1986.

Star Flower (NVH 3850).—Breeder and vendor: Northrup King. Characteristics: scallop-type hybrid, large, slightly open bush, light green uniform fruit. Similar: Patty Green Tint, Bennings Green Tint. 1981.

Sugar Loaf (OSU D26).—Breeder: J.R. Baggett, Oregon Agr. Exp. Sta. Characteristics: small, short, cylindrical, green-striped on tan, sweet flavor, high dry matter. Similar: Delicata. 1990.

Sun Drops (NVH 3661).—Breeder and vendor: Northrup King.

Characteristics: yellow, egg-shape fruit with flavor similar to crook-necks, small bush with short petioles, spiny and semi-vining, used mostly for home garden. 1986.

Sunbrite (NVH 3658).—Breeder: H. Adams. Vendor: Northrup King. Characteristics: excellent fruit quality with a stronger neck than Sunrise. Similar: Sunrise. 1989.

Sunrise (NVH 3655).—Breeder and vendor: Northrup King. Characteristics: yellow, crookneck hybrid, medium size, open bush, smooth, bulbous fruit with slight-medium crook, thick neck, small seed development. Similar: Dixie, Daytona. 1981.

Suprema (XPH 8102).—Breeder and vendor: Asgrow. Characteristics: large green, winter squash with a thick rind; unique. 1993.

Sweet Gourmet.—Vendor: Burpee. Characteristics: has excellent field tolerance to disease, late in the harvest season, garden type.

Sweet Zucchini (PSX 2588).—Breeder and vendor: Petoseed. Characteristics: large vigorous plants bush very high yielding; fruit are dark green, ≈7" long, cylindrical and have a very unusual sweet, nutty flavor, unique, zucchini-like. 1992.

Tastetini (ACX 821201).—Breeder and vendor: Abbott & Cobb. Characteristics: medium green, well flecked cylindrical fruit. Similar: Storrs Green, President. 1983.

Tasty Delite (SSQ 9102).—Breeder and vendor: Sakata. Characteristics: flat, round squash with dark green exterior and dark interior. Similar: Home Delite. 1990.

Tigress (HMX 3711).—Breeder: T. Superak. Vendor: Harris. Characteristics: medium green, long cylindrical fruit, high yields. Resistance: watermelon mosaic 2, papaya ring spot, zucchini yellow virus. Similar: Elite. 1994.

Tivoli.—Vendor: Sakata. Characteristics: spaghetti squash with bush habit, may develop short lines, 1991 All America Selections winner. Unique, but fruit same as long-vine spaghetti. 1990.

Verdemax (Chy4007).—Breeder and vendor: ARCO/Dessert Seed. Characteristics: dark green zucchini with superior processing and market quality, fruit borne on a medium-large open single-stemmed plant, fruit are cylindrical, smooth, glossy, and very uniform. Similar: Blackjack.

Wafra (XPH 1742).—Vendor: Asgrow. Characteristics: squash of English Marrow type for Middle East, slightly darker, a distinct blossom end scar. Similar: English Marrow. 1994.

Waltham Delite (Waltham 8012).—Breeder: C. Nicklow, Univ. Mass. Characteristics: similar to Waltham Butternut except at least 1 week earlier, slightly smaller fruited with excellent storage. Resistance: squash borer. Similar: Waltham Butternut. 1985.

Yellow Magic (81-2260).—Breeder and vendor: Musser. Characteristics: early, high yield, smooth skin, medium small plants. 1984.

Zenith.—Breeder: J. Hollar. Vendor: Hollar. Characteristics: hybrid, uniform butternut-type fruit smaller than Waltham with quality flesh. Similar: Butternut Ponca. 1985.

SWEETCORN

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720 [Crisp N Sweet (TM)].—Breeder and vendor: Crookham. Characteristics: homozygous *shrunkn-2*; a narrow kernels processor type. Resistance: *Ht*; single gene resistance to *Ht1*. Similar: 711 (Crisp N Sweet(TM)) but 5 days later. 1989.

730BC [Crisp N Sweet (TM)].—Breeder and vendor: Crookham. Characteristics: full-season bicolor homozygous *shrunkn-2* sweetcorn designed for southern, long-haul shipping markets. Resistance: *Ht*. Similar: Honey N Pearl. 1989.

Acclaim (Cr8401).—Breeder and vendor: Crookham. Characteristics: mid-main processor type. Similar: Reward. 1989.

Advance (CXP 514).—Breeder: W. Whitwood. Vendor: Musser. Characteristics: 86 day maturity, ears enclosed in dark green, long husk with many flags, ears have high row count with deep, narrow kernels, road market, shipping and processing. 1984.

Alexis.—Breeder and vendor: Crookham. Characteristics: main

season, yellow *shrunken-2* processor. Resistance: northern corn leaf blight. Similar: Tribune. 1994.

Allegro (XPH 2668).—Breeder and vendor: Asgrow. Characteristics: early, good kernel style and yield, yellow. Similar: Rival. 1988.

Aloha (BSS86-3880).—Breeder and vendor: Rogers. Characteristics: midseason bicolor supersweet hybrid with uniform ears, good fresh-market package and excellent eating quality. 1990.

Alpine (WH 3115).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: early midseason white hybrid containing the *se* gene in the heterozygous state; fresh-market hybrid with an attractive ear and superior eating quality. Resistance: common rust, stewarts bacterial wilt. Similar: Snowbelle. 1988.

Amaize.—Breeder and vendor: Crookham. Characteristics: homozygous *se* with superior plant and ear characteristics, excellent early vigor, high rowed, excellent eating quality. Resistance: good tolerance to stewarts wilt. Similar: Bodacious, Incredible bicolor. 1989.

Amazingly Sweet (FMX 332).—Breeder and vendor: Ferry-Morse. Characteristics: 82 day maturity, bicolor *shrunken-2*, well filled ears are very attractive with long dark flags and dark green husk, ears 7.5–8.5" × 1.9–2.0", cylindrical to slightly tapered ear, 18–22 rows. Resistance: *Rp1* rust, tolerance to heat smut. Similar: Hudson.

Ambrosia.—Breeder and vendor: Crookham. Characteristics: main season bicolor. Similar: Incredible bicolor. 1989.

Argent.—Breeder and vendor: Crookham. Characteristics: excellent eating quality, midseason. Similar: Pristine. 1989.

Arsenal (XPH 3050).—Breeder and vendor: Asgrow. Characteristics: good seed quality, full season maturity, single gene resistance *Rp1* to rust, high yield and recovery, low-level resistance to smut, SLV. Adaptation: all areas that produce processing sweetcorn. Resistance: stewarts wilt and anthracnose. Similar: More. 1993.

Athos.—Breeder and vendor: Crookham. Characteristics: early, heterozygous *se* bicolor type. Similar: DArtagnan. 1993.

Aurora.—Breeder and vendor: Crookham. Characteristics: midseason white *shrunken-2* supersweet. Similar: How Sweet It Is. 1993.

Avalanche (344x360).—Breeder: D. Galinat. Vendor: Mesa Maize. Characteristics: early midseason, homozygous *se* white type, very high eating quality. Similar: Summer Flavor 81W. 1993.

Beretta (Fmx 333).—Breeder and vendor: Ferry-Morse. Characteristics: yellow, normal *sugary-1* processing corn, ear has good tip fill, adequate husk cover, plant height 6–7.5', ear height 16–24". Resistance: moderate rust tolerance and head smut resistance. Similar: Reward, GH1703.

Bi-Licious (CSEXP 323).—Breeder: Dr. Whitwood. Vendor: Charter. Characteristics: high quality bicolor 8.5" ears, 14–16 rows, excellent husk protection roadside, home garden, heterozygous *se*, good cold tolerance and early vigor, dark green plant, long flags. Resistance: rust, stewarts wilt, northern corn leaf blight, smut. Similar: Peaches and Cream. 1994.

Binar (XPH 2640).—Breeder and vendor: Asgrow. Characteristics: very sweet, large eared, bicolor *shrunken-2*. Similar: Peter Corn. 1991.

Bingo.—Breeder and vendor: Crookham. Characteristics: early processing type hybrid with leaf rust resistance, high row count and a narrow deep kernel style. Resistance: leaf rust, common maize rust. 1989.

Blaze.—Breeder and vendor: Crookham. Characteristics: main season, processing-type hybrid with single gene resistance to leaf rust and tolerance to northern corn leaf blight; large ear and a narrow deep kernel which will result in good field and plant recovery. 1992.

Blazer (SE129).—Breeder: Illinois Foundation Seed. Vendor: Mesa Maize. Characteristics: very early yellow homozygous *sugary enhancer*, good plant and ear, exceptionally tender. Similar: Precocious. 1993.

Bojangles.—Breeder and vendor: Crookham. Characteristics: bicolor *shrunken-2*, supersweet, excellent eating quality, very good holding ability in field and after harvest, larger ear with deep kernel. Resistance: common maize rust. 1990.

Bolero.—Breeder and vendor: Crookham. Characteristics: midseason yellow processing type with common rust resistance.

Similar Bingo. 1993.

Bounty (SE156).—Breeder: Illinois Foundation Seed. Vendor: Mesa Maize. Characteristics: early midseason bicolor, homozygous *sugary enhancer*, nice plant and package, large ear, sweet and exceptionally tender. Similar: Breeders Choice. 1993.

Buttergold Yellow 1.—Breeder and vendor: Crookham. Characteristics: outstanding early yellow hybrid sweetcorn, excellent earing quality, good plant vigor for homozygous *se*. Similar: Sugar Buns. 1993.

Cabaret (XPH 3036).—Breeder and vendor: Asgrow. Characteristics: *shrunken-2* bicolor in the main season maturity bracket; ear with 14–16 rows, excellent seed quality. Resistance: northern leaf blight; moderate resistance to rust and stewarts wilt. Similar: Candy Store, Dazzle. 1993.

Cadet (XP 589).—Breeder: D. Galinat. Vendor: Agway. Characteristics: homozygous *se* bicolor sweetcorn, 76 days maturity, 6' single-stalked plants, 20" ear with 16–20 kernel rows and blunt tip, plants and ear husks dark green. Similar: Honeymoon. 1991.

Camelot (Crshrunken-2W8714).—Breeder and vendor: Crookham. Characteristics: main season white *shrunken-2*. Fresh market and long haul shipper. Resistance: *Ht*. Similar: How Sweet It Is. 1989.

Candy Bar II (FMX 76).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: *shrunken-2* yellow tasseled, medium early with long flags. Resistance: tolerant to head smut. Similar: Candy Bar. 1987.

Cardinal.—Breeder and vendor: Crookham. Characteristics: midseason, processing type, hybrid, narrow deep kernel for high yield and recovery. Resistance: multigenic tolerance to common maize rust. Similar: Rely. 1992.

Cascade.—Breeder and vendor: Crookham. Characteristics: north-west *shrunken-2* processor type, good kernel style. Similar: Fanciful. 1992.

Casper.—Breeder and vendor: Crookham. Characteristics: very early white. Similar: Spring White. 1989.

Catalina.—Breeder and vendor: Crookham. Characteristics: excellent eating quality and ear style. Similar: Incredible bicolor. 1989.

Celebrity (CXP 515).—Breeder: Dr. Whitwood. Vendor: Musser. Characteristics: 87 day maturity, medium height plant, ears have excellent husk protection, kernels very deep, rowing and tip fill excellent, processing and shipping. Resistance: stewarts wilt. 1984.

Chalice (WH78-2728).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: mid-early white with an attractive ear and high eating quality. Similar: Quick Silver. 1983.

Champ (XPH 3008).—Breeder and vendor: Asgrow. Characteristics: early, good taste and appearance, yellow *se*. Similar: Aztec. 1990.

Checkers (FMX 255).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: bicolor *shrunken-2*, dark green husk, long flags, midseason maturity, slightly tapered ear, 16–20 row count. Resistance: stewarts wilt. Similar: Peter Corn. 1988.

Chief Ouray (MM261 X315y).—Breeder: D. Galinat. Vendor: Mesa Maize. Characteristics: large eared early *se* yellow, similar in eating quality to Sugar Buns, but 2 days later. Similar: Sugar Buns. 1989.

Chieftain (SCH51041).—Breeder and vendor: Illinois Foundation Seed. Characteristics: *shrunken-2* yellow, midseason, good emergence and seedling vigor, clean sturdy plant type, good ear package and large well-filled ear. Resistance: northern corn leaf blight, southern corn leaf blight, rust, stewarts wilt. Similar: Xtra-Sweet 5005.

Chinook.—Breeder: J.R. Baggett, Oregon Agr. Exp. Sta. Characteristics: very early maturity, medium ear kernel size, mostly red bronzy. 1992.

Chipeta (120x189).—Breeder: Galinat. Vendor: Mesa Maize. Characteristics: early midseason, homozygous *se* eating quality, mid sized ear. Similar: Breeders Choice. 1987.

Citadel (GH 2429).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: midseason, has *se* gene in heterozygous state, high number of rows, superior tenderness and sweetness, well suited for processing and fresh market. Similar: Prevailer. 1988.

Classic (XPH 2636).—Breeder and vendor: Asgrow. Characteristics: attractive yellow sweet with *se* gene. Resistance: tolerance to

stewarts wilt. Similar: Guardian, Bellringer. 1988.

Clockwork (JSS 1677).—Breeder and vendor: Johnny's. Characteristics: second early, heterozygous *se* bicolor, 77 day maturity, good cold emergence, 7' plant with large 8-husked ear with 16 rows, very good husk protection. Similar: Crossword, Concord. 1988.

Columbia.—Breeder and vendor: Crookham. Characteristics: main season, processing-type hybrid. Resistance: rust, tolerance to *Ht* and stewarts wilt. Similar: Excellency. 1989.

Comet (SE137).—Breeder: Univ. Illinois. Vendor: Mesa Maize. Characteristics: early midseason yellow homozygous *sugary enhancer*, good plant and package, ear well filled; not the same as Comet from Asgrow (1972). Similar: Tuxedo. 1993.

Competitor.—Breeder and vendor: Crookham. Characteristics: midseason *shrunk-2* (supersweet), developed primarily for processing, but could also be used for fresh market. Similar: Cascade. 1993.

Confection (HMX7357BS).—Breeder: T. Natti. Vendor: Harris. Characteristics: relative maturity 74 days, bicolor supersweet, 7.5" ear of good girth, excellent eating quality and sweetness, medium resistance to stewarts wilt. Similar: Honey N Pearl. 1993.

Contender.—Breeder and vendor: Crookham. Characteristics: early season, yellow *shrunk-2* processor. Resistance: common rust. Similar: Triton. 1994.

Cornet (FMX 259).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: rust-resistant processing hybrid, ear cylindrical to slight, tapered, dark green husk, medium flags, kernels deep and narrow, apparently reacts well to stress. Similar: Prevailer. 1990.

Cornfetti (E0503).—Breeder: C. Pahl. Vendor: Ferry-Morse. Characteristics: late bicolor, ears well covered by dark green husk with medium to long flags, ears are cylindrical with narrow, deep kernels, 18–24 rows, some tolerance to rust. Similar: Bi-Queen. 1983.

Coronet (XPH 3018).—Breeder and vendor: Asgrow. Characteristics: main season bicolor *se*, excellent husk cover and eating quality. Resistance: stewarts wilt and smut, moderately resistant to rust. Similar: Calico Belle. 1994.

Country Faire (4428).—Breeder and vendor: American Takii. Similar: Honey N Pearl. 1992.

Cupola (BSS 86-3378).—Breeder and vendor: Rogers. Characteristics: midseason bicolor supersweet hybrid with uniform ears and excellent eating quality. 1990.

Dallas (GH 1696).—Breeder and vendor: Rogers. Characteristics: widely adapted midseason with excellent processing and fresh-market characteristics. Resistance: maize dwarf mosaic virus. Similar: Jubilee. 1990.

Dandy (XPH2534BC).—Breeder and vendor: Asgrow. Characteristics: full season bicolor with attractive ears of good size for crate style shipping, also for roadside stands. Resistance: tolerance to maize dwarf mosaic virus. Similar: Sweet Sue. 1982.

Dapple (Hybrid 58).—Breeder and vendor: Seedway. Characteristics: 78 day maturity, bicolor *shrunk-2*, plants mostly single stalked 6–6.5" tall, ears have 16–20 kernel rows, husk cover over end of ear tends to be less than 1", many flag leaves. Similar: Dazzle. 1992.

Daystar (HMX2343S).—Breeder: T. Natti. Vendor: Harris. Characteristics: 82 day, yellow *shrunk-2* hybrid, adapted to Florida, strong stalk and standability, good husk cover and color, fair flags, easy to hand harvest. 7–7.5" ear with light yellow kernels, 18–16 rows. Resistance: very high to northern corn leaf blight. Similar: Ultima. 1994.

Dazzle (XPH2644 BC2).—Breeder and vendor: Asgrow. Characteristics: bicolor *shrunk-2* with very attractive ears and more tender pericarp. Resistance: stewarts wilt, moderate to northern corn leaf blight. 1993.

Debonair.—Breeder and vendor: Crookham. Characteristics: mid-main season *shrunk-2* (supersweet) bicolor. Similar: Phenomenal. 1993.

Debutante (ACX2104A).—Breeder and vendor: Abbott & Cobb. Characteristics: early maturing, high yielding good flavor, fresh market and home garden. 1982.

Delectable.—Breeder and vendor: Crookham. Characteristics: main season *se* bicolor. Similar: Incredible (bicolor). 1993.

Diabolo (FMX 256).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: bicolor *shrunk-2*, dark green husk, long flag leaves,

midseason maturity, slightly tapered ear, 16–18 row count. Resistance: stewarts wilt. Similar: Peter Corn. 1988.

Dugan (XPH 2663).—Breeder and vendor: Asgrow. Characteristics: good standability, high packout yields, bright yellow kernel color, *se* endosperm. Resistance: common smut, MR, northern rust, stewarts wilt. Similar: Rival. 1993.

Dynasty.—Breeder: W. Lough. Vendor: Crookham. Characteristics: homozygous *sul* hybrid designed for processing whole kernel canning and freezing. Resistance: rust. Similar: Commander. 1989.

Eagle (SCH2772).—Breeder: Illinois Foundation Seed. Vendor: Johnny's. Characteristics: midseason bicolor *shrunk-2*, 5" × 2" ears, 16–20 rows, 8' tall.

Early Charm (XP 492).—Breeder and vendor: Agway. Characteristics: 69 day maturity, bicolor with 7.5–8" ears having 14–16 rows, genotype is normal *sugary-1*, flag leaves average 6", and the ear has 1–2" of tip cover. Resistance: stewarts wilt. 1987.

Earlypak (SUNEX 2610).—Breeder and vendor: Sunseeds. Characteristics: sugary, NSCBA classification IIa, yellow kernels, 71 day maturity, 1623 GDD, 6.0' plant, 24" ear, short, husk cover, 8.0 × 1.8" ear size, slightly tapered ear, 14 rows. Similar: Spirit. 1989.

Eclipse (GH78-2581).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: a midseason 83 days yellow developed for shipping. Resistance: tolerance to race 1 of *H. turcicum*. Similar: Guardian. 1983.

Eliminator.—Breeder and vendor: Crookham. Characteristics: midseason processing type sweetcorn hybrid, a combination of a large ear with a narrow, deep kernel and multiple disease tolerances should result in high yields and recovery. Resistance: tolerance to maize dwarf mosaic virus and stewarts wilt, single gene resistance to common maize rust. Similar: Terminator. 1993.

Eminence.—Breeder and vendor: Crookham. Characteristics: midseason bicolor *shrunk-2* hybrid with single gene resistance to common leaf rust. High quality along with very good plant and ear characteristics. Resistance: single gene resistance to common maize rust. Similar: Bojangles. 1993.

Empire (GH 2759).—Breeder and vendor: Rogers. Characteristics: yellow, *se*, 83 day maturity, 9" ear, 16–18 row count. Resistance: rust; tolerance to stewarts wilt. Similar: Northrup 199 (Sunseeds). 1993.

Endeavor (XPH 3061).—Breeder and vendor: Asgrow. Characteristics: excellent eating quality and uniformity. A *shrunk-2* European type, yellow kernel color. Improved seedling performance over standard *shrunk-2* types. Resistance: northern leaf blight smut, anthracnose, southern leaf blight, LLA-rust. Similar: Challenger. 1993.

Envy (Hybrid 38).—Breeder and vendor: Seedway. Characteristics: 79 day maturity, yellow, *shrunk-2* genotype, plants 6–7' tall, single stalked ears are 7–8" long with tapered tips, husks are very tight. Similar: Voyager, SS7630. 1995.

Epitome (707).—Breeder and vendor: Crookham. Characteristics: homozygous *shrunk-2*, primarily developed for the cob corn market, has good cylinder appearance, excellent length to diameter ratio and straight rowing. Similar: Supersweet Jubilee. 1987.

Everprime (SCH14036).—Breeder and vendor: Illinois Foundation Seed. Characteristics: *shrunk-2* bicolor with good emergence and vigor, has unique ability to maintain refined ear appearance and eating quality on the stalk and after picking, uniform ears 7–8" long with excellent tip fill. Resistance: northern corn leaf blight, stewarts wilt. Similar: Quasar.

Excalibur (FMX 305).—Breeder and vendor: Ferry-Morse. Characteristics: 85 day maturity, yellow normal *sugary-1* processing corn, deep refined kernels. Plant height is 7–8' tall, 32–36" ears, very strong erect plant with few tiller. Resistance: rust, stewarts wilt, smut. Similar: Viking.

Excel (GSS 3749).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: a midseason *shrunk-2* developed for fresh market and shipping; especially suited for hand harvest. Similar: Supersweet, Jubilee. 1988.

Extender (GH 2451).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: a late midseason, containing the *se* gene in the heterozygous condition, the ear is 9.5" long with 20 rows, well suited for

both fresh market and processing. Resistance: tolerance to stewarts wilt. Similar: Celebrity. 1988.

Fanciful (705).—Breeder and vendor: Crookham. Characteristics: homozygous *shrunken-2*, primarily developed for the cob corn market, has good cylinder appearance, excellent length to diameter ratio and straight rowing. Similar: Supersweet Jubilee. 1989.

Fancy-full (90237ISEBI).—Breeder: Crookham. Vendor: Liberty. Characteristics: 76 day maturity, homozygous *se* bicolor, noted for exceptional tip cover of 3" or more for bird protection, dark green husk and flags. Resistance: stewarts wilt. 1991.

Fantasia (XPH 3044).—Breeder and vendor: Asgrow. Characteristics: stark white color, excellent eating quality. Resistance: smut, rust. Similar: Alpine.

Fantastic.—Breeder and vendor: Crookham. Characteristics: mid main heterozygous *sugary enhancer* white hybrid released to complement Silver Queen. Similar: Early Silver Queen. 1989.

Festival (XPH 3028).—Breeder and vendor: Asgrow. Characteristics: an early 14–16 row bicolor *shrunken-2* ≈ 10 days earlier than Dazzle (Asgrow). moderate resistance to northern leaf blight. Similar: Honey and Pearl. 1993.

Fiesta (XP 753).—Breeder: M. Dunn. Vendor: U of NHG. Characteristics: 10 days earlier than Purple Husk Rainbow, 60% purple stalks, ear length 7.5"; seven different colors presented in the ears; not the same as Fiesta from Crookham (1952). Similar: Purple Husk Rainbow. 1984.

Flagship.—Breeder: Illinois Foundation Seed. Vendor: Market More. Characteristics: dark husk and flags, multiple disease resistance, tip fill and consistent ear appearance. Resistance: Northern leaf blight, stewarts wilt, rust, smut. Similar: Ultimate. 1989.

Florida Staysweet.—Breeder: Univ. of Florida. Parentage: (FA32B X FA32C) X FA56A. Characteristics: yellow *shrunken-2*. 1978.

Florida Sweet.—Breeder: Univ. of Florida. Parentage: FA32 x FA56. Characteristics: yellow *shrunken-2*. 1974.

Florida XP-7.—Breeder: Univ. of Florida. Parentage: (FA32B X FA32C) X UFISH8008. Characteristics: yellow *shrunken-2*. 1995.

FMX 235 (FMX 235).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: *shrunken-2* type, 8.5–10" ears, cylindrical, good fill, 14–16 rows, good husk cover, long flag leaves. Resistance: head smut. Similar: Candy Bar. 1988.

Fortune (Sch30138).—Breeder and vendor: Illinois Foundation Seed. Characteristics: yellow supersweet, good emergence and vigor, clean single-stalked plant, short shank, easy snap, good husk color, good eating quality, maturity in 75 days at Champaign, Ill. Resistance: rust and northern and southern leaf blight. Similar: Illini Gold. 1992.

Frontier (XPH3030Wsh2).—Breeder and vendor: Asgrow. Characteristics: white *shrunken-2* with very good germination and early vigor characteristics. Resistance: northern corn leaf blight, rust, stewarts wilt, smut. Similar: Even Sweeter. 1992.

Galaxy.—Breeder: Illinois Foundation Seed. Vendor: Market More. Characteristics: 12 kernels per row, 8–9" ear. Similar: Upmost. 1989.

Gallant.—Breeder and vendor: Crookham. Characteristics: full season processing type sweetcorn hybrid, high row count and a narrow-deep kernel style. Resistance: leaf rust, common maize rust. Similar: Excellency. 1990.

Gator Gold (FMX 163).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: full season fresh market with well-filled, uniform, cylindrical ears, with good dark green husk color and long flags. Resistance: tolerance to blight. Similar: Bonanza. 1987.

Genesis.—Breeder and vendor: Crookham. Characteristics: yellow sweetcorn, large cylindrical ear with a narrow deep kernel style, very good standability, full-season maturity. Resistance: common maize rust. Similar: Excellency. 1990.

Genetain.—Breeder: W. Lough. Vendor: Crookham. Characteristics: *su1*, processor type. Resistance: rust, *Ht1* and 2. 1989.

Gold Dust (XP 301).—Breeder: D. Taylor. Vendor: Robson. Characteristics: 72 day maturity, yellow with 7.8" ears, average of 14–16 rows; ears have 2–3" of husk protection, plants are 6.5–7.5' in height. Similar: Sundance. 1985.

Gold Nuggets (Redoubt).—Breeder: Rupp. Vendor: Crookham. Characteristics: 75 day maturity, yellow, 20 rows, 2 × 8" ears, 1216

heat units, formerly called Redoubt, excellent for home garden, fresh-market, processing, and shipping, homozygous *sugary enhancer*. Similar: Bodacious. 1986.

Harlequin (FMX 273).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: *shrunken-2*, bicolor, 8–10" slightly tapered ear, 14–18 rows. 1990.

Hawaiian Supersweet 9.—Breeder: Univ. of Hawaii. Characteristics: *bt1*, open-pollinated variety, tropical, daylength sensitive, wide tropical adaptability. Similar: Hawaiian supersweet. 1977.

Hawaiian Supersweet 10.—Breeder: Univ. of Hawaii. Characteristics: *bt1*, three-way hybrid, tropical, daylength sensitive, wide tropical adaptability. 1990.

Headliner (SCH34422).—Breeder and vendor: Illinois Foundation Seed. Characteristics: *shrunken-2* bicolor late season with good emergence and seedling vigor, shipper type with clean plant and good ear package, tip fill is excellent. Resistance: northern corn leaf blight, southern corn leaf blight, and stewarts wilt. Similar: Starship.

Heavyweight (SCH24088).—Breeder and vendor: Illinois Foundation Seed. Characteristics: midseason *shrunken-2* bicolor with excellent emergence and seedling vigor, sturdy plant with very large ear and excellent kernel color contrast. Similar: Nordic.

Honey Buns.—Breeder and vendor: Crookham. Characteristics: heterozygous *sugary enhancer*, early hybrid designed to have more cold tolerance than homozygous *sugary enhancers* of the same season. Similar: Sugar Buns. 1989.

Honey Queen.—Breeder and vendor: Rogers. Characteristics: yellow supersweet for fresh-market or roadside applications, ears are cylindrical, 8.5" and uniform. Similar: Supersweet Jubilee, Sweetie 82. 1994.

Honeybutter (GH 2860).—Breeder and vendor: Rogers. Characteristics: a second early for home gardens and fresh market with good eating quality. Similar: Sundance. 1988.

How Sweet It Is.—Breeder and vendor: Crookham. Characteristics: one of the first white supersweet hybrids available on the market, won an All-American Selection Award. Similar: early white Silver Queen *shrunken-2* type. 1989.

Hypak (GH 1839).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: a normal *sugary-1* midseason processing hybrid; the ears are large with refined kernels and excellent recovery of cut corn. Resistance: stewarts wilt. Similar: Rival. 1988.

Incredible.—Breeder and vendor: Crookham. Characteristics: homozygous *sugary enhancer* hybrid released primarily because of a good length to diameter ratio of cob appearance. Similar: Miracle. 1989.

Indian Summer (HMX 33580S).—Breeder: T. Natti. Vendor: Harris Moran. Characteristics: 77 day maturity, tricolor or multicolored supersweet, traditional bicolor corn with purple-red and black kernels, some speckled color kernels as well, eating quality is unique, very sweet and uniquely tender for a *shrunken-2* variety, eat fresh like sweetcorn.

Jasper.—Breeder and vendor: Crookham. Characteristics: very early yellow. Similar: Polarvee.

Jazz (BC80-2716).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: a first early bicolor with a large ear and good eating quality. Similar: Sugar and Gold. 1983.

Jewel (XP464).—Breeder and vendor: Agway. Characteristics: 75 day maturity, bicolor, *shrunken-2* genotype; plants are 6–6.5' tall, generally single stalked; ears are 8–8.5" in length with 14–16 kernel rows, distinguished by stiff-branched, fluffy tassel. Similar: Top Notch.

Jumpstart (SCH34295).—Breeder and vendor: Illinois Foundation Seed. Characteristics: early *shrunken-2* bicolor with good emergence and seedling vigor; good husk protection and tip fill for maturity. Similar: Xtra-Sweet 4427.

Kandy Kiss (FMX 81).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: *shrunken-2* market hybrid with cylindrical, well-filled ears. Resistance: tolerance to blight. Similar: Candy Bar. 1987.

Kandy Krisp (70).—Breeder: Rupp. Vendor: Illinois Foundation Seed. Characteristics: 70 day maturity, bicolor supersweet. Similar: Honey and Pearl. 1990.

Kandy Kwik EH (GH 1737).—Breeder and vendor: Rogers. Characteristics: yellow *se*, 67 day maturity, maturity 7" ear, 14 row count, excellent package. Similar: Sundance, Sprite (Harris Moran). 1993.

Kandy Treat EH (85-531 EH).—Breeder: Dr. Whitwood. Vendor: Musser. Characteristics: 83 day maturity; short compact plant; ear long; 14–16 rows; quality excellent; very tender and sweet; yellow homozygous, home garden and local markets. 1987.

Krispy King (Gss 3492).—Breeder and vendor: Rogers. Characteristics: yellow, *shrunkn-2* sweetcorn, 78 day maturity, excellent vigor. Similar: Challenger, 7210. 1993.

Largo (GH77-2269).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: 80 day maturity, yellow fresh-market hybrid with good flag leaves and husk cover; prolific, high yield. Similar: Bellringer. 1983.

Laureate.—Breeder and vendor: Crookham. Characteristics: white *shrunkn-2* (supersweet) hybrid; excellent eating quality. Similar: Pegasus. 1990.

Legacy (FMX 268).—Breeder and vendor: Ferry-Morse. Characteristics: very good kernel shape and size for processing, use in areas where multiple disease resistance is necessary. Resistance: rust, smut, stewarts wilt. Similar: Viking. 1993.

Lexus (FMX 292).—Breeder and vendor: Ferry-Morse. Characteristics: 80-day maturity, yellow, normal *sugary-1* processing sweetcorn, refined deep kernels, good flag length and strong plant; height is 6–7' and ears are 28". Resistance: *Rp1d* rust, moderate to southern corn leaf blight. Similar: Jubilee.

Little Jewels (NH84D).—Breeder: G. Dunn. Vendor: UNH. Characteristics: 4" ear with small, multicolored kernels; over 50% purple husk; 6–7' plant; matures in ≈95 days in northern New England, making it the earliest ornamental flint corn. Similar: Fiesta, but considerably smaller ear. 1988.

Lumina (FMX293).—Breeder and vendor: Ferry-Morse. Characteristics: 82–83 day maturity, yellow normal *sugary-1* processing corn, 18–22 row, 8–11" long, has deep refined kernels. Resistance: *Rp1d* rust, smut, southern corn leaf blight. Similar: More, Viking.

Lyric.—Breeder and vendor: Crookham. Characteristics: excellent early vigor, high eating quality, rugged plant. Resistance: good tolerance to stewarts wilt. Similar: Earlivee. 1989.

Majesty.—Breeder and vendor: Crookham. Characteristics: main season processor. Resistance: Rust. Similar: Jubilee. 1989.

Mariah.—Breeder and vendor: Seedway. Characteristics: early yellow *shrunkn-2*, high quality, excellent cold tolerance. Similar: Northern Xtra Sweet. 1989.

Marquis (625).—Breeder and vendor: Crookham. Characteristics: early *shrunkn-2* with good emergence and ear type. Similar: Early Xtrasweet. 1989.

Marvel.—Breeder and vendor: Crookham. Characteristics: midseason, yellow *shrunkn-2* processor. Resistance: common rust. Similar: 710 [Crisp N Sweet(TM)]. 1994.

Maxim (HMX 03695).—Breeder: T. Natti. Vendor: Harris Moran. Characteristics: 81 day maturity, relative maturity, yellow supersweet, very attractive ear with refined kernels and good tip fill, attractive husk, good eating quality. Resistance: stewarts wilt, southern leaf blight. Similar: Zenith. 1993.

Maygold Sweet (Tendergold).—Breeder and vendor: E. May. Characteristics: good husk protection, superior rowing, *sugary enhancer* quality. Resistance: *fusarium*; tolerance to rust. Similar: May Tendergold.

Medley (BC 2856).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: mid-early bicolor containing the *se* gene in the heterozygous state; has an attractive ear with superior sweetness and tenderness. Resistance: tolerance to stewarts wilt. Similar: Harmony. 1988.

Melody (XPH 2642).—Breeder and vendor: Asgrow. Characteristics: high yielding canning type. Resistance: rust. Similar: Jubilee. 1988.

Missouri.—Breeder and vendor: Crookham. Characteristics: main season yellow *shrunkn-2* processor. Similar: SS Jubilee. 1996.

Monitor.—Breeder and vendor: Crookham. Characteristics: midseason processing hybrid; ear and plant characteristics should result in very good field yield and plant recovery. Resistance: single

gene resistance to common maize rust. Similar: Renown. 1992.

Montecarlo (BSS 4273).—Breeder and vendor: Rogers. Characteristics: bicolor, *shrunkn-2* corn, 74 day maturity, 2nd early with good eating quality. Similar: Top Notch. 1992.

Moonbeam (XP 709).—Breeder: B. Long. Vendor: Agway. Characteristics: late midseason white type, bearing 7.5–8" ears with 16–18 rows of kernels; high level of cold tolerance. Resistance: stewarts wilt. Similar: Silver Queen. 1982.

More (XPH 2652).—Breeder and vendor: Asgrow. Characteristics: processing sweetcorn with attractive ears and small pustule rust resistance. Similar: Jubilee. 1987.

Mulligan.—Breeder and vendor: Crookham. Characteristics: main season *su1* hybrid. Resistance: rust, tolerance to *Ht* and stewarts wilt. Similar: Excellency. 1989.

Mystic.—Breeder and vendor: Crookham. Characteristics: yellow *shrunkn-2* supersweet hybrid with narrow deep kernel, large ear and good standability, excellent eating quality, good holding ability in field and after harvest. Resistance: common maize rust. Similar: Tribune. 1990.

Native Gem (352X278).—Breeder: D. Galinat. Vendor: Mesa Maize. Characteristics: very high quality bicolor *se* sweetcorn. Similar: Spring Treat. 1993.

Native Sweet 9000.—Breeder: Univ. of Wisconsin. Vendor: Nunhems. Characteristics: late yellow, processing type, *shrunkn-2*. 1987.

Nordic (Sch4428).—Breeder and vendor: Illinois Foundation Seed. Characteristics: early bicolor supersweet with good emergence and vigor, large ear. Similar: Sch4427. 1993.

Nova (SCH3867).—Breeder and vendor: Illinois Foundation Seed. Characteristics: *shrunkn-2* white with strong emergence and seedling vigor, large ears with good tip fill and good eating quality. Similar: Sweet Magic.

Oasis (XP191).—Breeder and vendor: Agway. Characteristics: 80 days bicolor sweetcorn heterozygous *se*, 8.5 ears have 16–18 straight kernel rows, medium green plants are 8–9' tall, has tendency to produce 2 ears per plant. Similar: Calico Belle.

Omega (SE181).—Breeder: Illinois Foundation Seed. Vendor: Mesa Maize. Characteristics: midseason white homozygous *sugary enhancer*, excellent plant and package, excellent tip fill, high yielder; not the same as Omega from Northrup King and Co. (1977). Similar: Divinity. 1993.

Orion.—Breeder and vendor: Crookham. Characteristics: main season white *shrunkn-2* hybrid, combines the high eating quality of *shrunkn-2* hybrids with rust resistance, good ear characteristics and good seedling vigor. Resistance: single gene resistance to common maize rust. Similar: Pegasus. 1992.

Pacer (SE152IFSI).—Breeder: Mesa Maize. Characteristics: first early bicolor homozygous *sugary enhancer*; nice plant, package and ear; sweet; exceptionally tender; not the same as Pacer from Asgrow (1970). Similar: Sugar Buns. 1993.

Paksweet (FMX263).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: red-tasseled *shrunkn-2* hybrid, dark green husks and flags. Resistance: tolerance to head smut. Similar: Kandy Kiss. 1990.

Paladino.—Breeder and vendor: Crookham. Characteristics: rust resistant processor hybrid in the normal *sugary-1* configuration. Resistance: rust, tolerance to *Ht* and stewarts wilt. Similar: Jubilee. 1989.

Paragon.—Breeder and vendor: Crookham. Characteristics: one of the earliest bicolor homozygous *shrunkn-2* cultivars available on the market (at the time of release). Similar: Early Honey N Pearl. 1989.

Pearl White (XP925).—Breeder: Dr. Long. Vendor: Agway. Characteristics: 75 day maturity, white with 7.8" ears having 14–16 rows, unhusked ears have 1.5–2" husk cover; the plant is nearly tillerless; average 7' in height. Resistance: stewarts wilt. Similar: Snow Cap. 1984.

Pegasus (737W).—Breeder and vendor: Crookham. Characteristics: main season white supersweet *shrunkn-2*. Similar: later version of How Sweet It Is. 1989.

Phenomenal.—Breeder and vendor: Crookham. Characteristics: main season bicolor homozygous *shrunkn-2* sweetcorn developed primarily for markets requiring dozens per acre case recovery and a 5

dozen crate. Resistance: *Ht*. Similar: Honey N Pearl. 1989.

Pilot (GH 1888).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: 68 day maturity, yellow type for processing and fresh market; good early vigor; large ear for its maturity; good yield. Similar: Spirit. 1984.

Precedent.—Breeder and vendor: Crookham. Characteristics: early normal, *su1*, processing hybrid. Similar: Reward. 1989.

Precocious (189 x 296).—Breeder: Galinat. Vendor: Mesa Maize. Characteristics: extra early with high homozygous *sugary enhancer* eating quality. Similar: EarlyVee. 1986.

Pride and Joy.—Breeder and vendor: Crookham. Characteristics: midseason bicolor *su1* with excellent eating quality when it was released in 1977 and a unique redness to the plant. Similar: Harmony. 1989.

Primero Hybrid (352aX245).—Breeder: D. Galinat. Vendor: Mesa Maize. Characteristics: 2nd early high rowed *se* yellow with good ear length and husk coverage. Similar: Breeders Choice. 1993.

Primetime.—Breeder: Rogers. Characteristics: yellow supersweet with 79 day maturity; long, cylindrical ears with good tip fill. Resistance: northern corn leaf blight, stewarts wilt. Similar: A&C 7210. 1994.

Pristine.—Breeder and vendor: Crookham. Characteristics: very early white heterozygous *sugary enhancer* hybrid. Adaptation: areas in the U.S. that use predominately white corn. Similar: Spring White. 1989.

Prominence (710DM).—Breeder and vendor: Crookham. Characteristics: homozygous *shrunk-2* processing hybrid with the double mutant, or *sugary-1 shrunk-2*. Resistance: *Ht*. Similar: 710 [Crisp N Sweet(TM)]. 1989.

Punchline (XPH).—Breeder and vendor: Asgrow. Characteristics: second early *shrunk-2* yellow sweetcorn 16–18 row hybrid for shipping. Resistance: northern corn leaf blight, stewarts wilt, smut. Similar: Challenger. 1993.

Quantum.—Breeder and vendor: Crookham. Characteristics: main season white *shrunk-2* processor. Resistance: rust. Similar: Orion. 1996.

Quest.—Breeder and vendor: Rogers. Characteristics: bicolor supersweet with 8" ear and dark green husk; shipper type to the east coast; medium resistance *H. turcicum* and stewarts wilt. Similar: Candy Store, Angel Corn. 1994.

Quickie.—Breeder and vendor: Crookham. Characteristics: very early bicolor hybrid in the normal, *su1* category with some *sugary enhancer* input for eating quality. Similar: Sprite. 1989.

Radiance (Sch4489).—Breeder: Univ. of Wisconsin. Vendor: Illinois Foundation Seed. Characteristics: bicolor supersweet with good emergence and vigor and good eating quality, dark husk color, good husk protection, large ear size, 73 day maturity at Champaign, Ill. Similar: Honey N Pearl. 1992.

Radiant (GH 2572).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: mid to late season processing type with 9.0–9.5" ears. Resistance: moderate to stewarts wilt. Similar: Jubilee. 1989.

Recovery (FMX 92).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: midseason producing a well filled ear of good quality; ears are cylindrical to slightly tapered, medium narrow, medium deep kernels. Similar: Jubilee. 1983.

Regal.—Breeder and vendor: Crookham. Characteristics: main season *su1* type processor. Resistance: common rust. Similar: Excellency. 1994.

Rely.—Breeder and vendor: Crookham. Characteristics: midseason processing type hybrid with high row count and a narrow deep kernel style. Resistance: leaf rust, common maize rust. 1989.

Renown.—Breeder and vendor: Crookham. Characteristics: midseason processing-type sweetcorn hybrid with high row count and a narrow deep kernel style. Resistance: leaf rust. 1989.

Reverse.—Breeder and vendor: Crookham. Characteristics: *shrunk-2* supersweet bicolor, excellent eating quality. Similar: 730BC [Crisp N Sweet(TM)]. 1990.

Rise-N-Shine (XP 723).—Breeder: D. Cotton. Vendor: Agway. Characteristics: 69 day maturity, bicolor, heterozygous *se* sweetcorn; plants are 5' tall and free of tillers; ears are 7.5" long, blunt tipped with 12–16 kernel rows. Resistance: stewarts wilt. 1990.

Rising Star (SW 93:315).—Breeder and vendor: Seedway. Characteristics: 82 day maturity, *sugary enhancer*, white; plants single stalked, 6–6.5' tall; ears predominately 16–18 kernel rows; dark green husks have several wide stout flags. Similar: Showtime. 1994.

Royal Delight (EXP83-576).—Breeder: Dr. Whitwood. Vendor: Musser. Characteristics: 94 day maturity, 98" plant height, 9–9.5" ears, green husk light silk color, 16–18 row count excellent uniformity home garden and roadside market. 1987.

Royal Sweet (GSS6273).—Breeder and vendor: Rogers. Characteristics: 82 day maturity, *shrunk-2* with 8.5" ear and 1.9" diameter, processor trade. Resistance: *Rp1d*, tolerance to *Ht-ES*. Similar: Jubilee.

Savor (XPH 2619).—Breeder and vendor: Asgrow. Characteristics: hybrid, early, good quality. Similar: Rival, but earlier. 1988.

Sensor (XPH 2675BC).—Breeder and vendor: Asgrow. Characteristics: sweet, medium-early bicolor *se*. Similar: Calico Belle. 1991.

Sequel (XPH3049).—Breeder and vendor: Asgrow. Characteristics: high yield and excellent recovery for a midseason *su1* type. Similar: Rival. 1994.

Serenade (XPH 3043).—Breeder and vendor: Asgrow. Characteristics: early *se* bicolor with smut resistance for direct marketing and short distance shipping. Similar: Sensor. 1993.

Servo (XPH 3013).—Breeder and vendor: Asgrow. Characteristics: early, *se* endosperm, excellent processed recovery, high yield, good eating quality. Resistance: stewarts wilt, common smut, moderate resistance to common rust, northern corn leaf blight. Similar: Rival. 1993.

Shaker (XPH 3080).—Breeder and vendor: Asgrow. Characteristics: main season, *shrunk-2* endosperm, excellent processed quality, bright yellow kernel color, high pack out yields for processors, good standability. Similar: Challenger, Jubilee. 1993.

Shasta (XPH3027).—Breeder and vendor: Asgrow. Characteristics: very early *shrunk-2* for processing where good recovery and eating quality combine for a unique product niche. Resistance: southern leaf blight. Similar: Challenger. 1994.

Sheba (XPH 3027R).—Breeder and vendor: Asgrow. Characteristics: early maturity, good recovery, good eating quality. Resistance: southern leaf blight. Similar: Early Xtrasweet Illinois.

Shield Crest (FMX 247).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: normal *sugary-1* gene with excellent yield potential, dark green husks, good flags, ears slightly tapered and well filled, kernels deep and narrow. Resistance: rust. Similar: Stylepak. 1988.

Shimmer (XPH 3064).—Breeder and vendor: Asgrow. Characteristics: top yield and recovery for *shrunk-2*, superior eating quality, full season maturity. Similar: Tribune. 1994.

Shogun.—Breeder and vendor: Crookham. Characteristics: main season, yellow *shrunk-2* processor. Resistance: northern corn leaf blight and common rust. Similar: Tribune. 1994.

Showboat (Hy 58).—Breeder and vendor: Seedway. Characteristics: 78 day maturity, bicolor, *shrunk-2*, plants mostly single stalked 6.5' tall, 16–20 rows, husk cover over end of ear tends to be less than 1", many flag leaves. Similar: Dazzle.

Showcase (GSS 3845).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: a midseason *shrunk-2* developed for fresh market and shipping; husk is dark green with numerous flag leaves; ear size is ideal for the proper crate count. Resistance: tolerance to rust and northern leaf blight. Similar: Florida Staysweet. 1988.

Showtime (XP186).—Breeder and vendor: Agway. Characteristics: 76 day maturity, bicolor type, heterozygous *se*, 8–8.5" ears with 18 straight kernel rows, dark green plants 6' tall. Similar: Harmony.

Silver Dollar (HMX).—Breeder: T. Natti. Vendor: Harris Moran. Characteristics: white *shrunk-2*, 76 day maturity, strong seedling vigor and plant, thick stalk with lodging tolerance, attractive husk with short but adequate cover, 19 cm ears well filled easy to hand pick, sweet flavor with a tough pericarp. Resistance: tolerance to maize dwarf mosaic virus, stewarts wilt, northern corn leaf blight. Similar: Snow White.

Silver-n-Gold.—Breeder: Rupp. Vendor: Crookham. Characteristics: 80 day maturity, homozygous *se*, bicolor type with 1.875 x 8.5" ear, excellent disease resistance. 1990.

Sixpak (SCH22510).—Breeder and vendor: Illinois Foundation Seed. Characteristics: *shrunk*-2 yellow with good emergence and seedling vigor, plants are uniform and sturdy with good ear package especially long husk protection, ears are 6.5 × 2.0" and have blunt, well-filled tips. Resistance: moderate to rust and northern corn leaf blight.

Skyline (JX 873).—Breeder and vendor: Johnny's. Characteristics: early *shrunk*-2 gene, bicolor supersweet type, relative maturity 73 days, good cold emergence, 14 rows of yellow and white kernels, good flag leaves. Similar: Paragon, Top Notch. 1988.

Slendergem (EXP MK9).—Breeder: G. Oswald. Vendor: Seedway. Characteristics: long slim ears, high eating quality, small cob. Resistance: no problems to date. Similar: Early Wonderful, Tendersweet. 1978.

Snow Cap (XP702).—Breeder: Long-Matheson. Vendor: Agway. Characteristics: midseason, 78 day maturity, white type with 7.5" long ears and 14–16 rows, good flag leaves and tight husk cover. Similar: Silver Treat. 1980.

Snow Cap 84 (XP436).—Breeder: G. Ruttencutter. Vendor: Agway. Characteristics: 78 day maturity, white with 7.5" ears and 14–16 rows, good flag leaves and tight husk cover, excellent cold tolerance gives the ability for seedling emergence from cold soils, moderate tolerance to stewarts wilt. Similar: Snow Cap. 1984.

Snowbelle (XPH 2562W).—Breeder and vendor: Asgrow. Characteristics: very tender and sweet, 5–7 days earlier than Silver Queen. Similar: Silver Queen. 1985.

Snowmass (WSS4186).—Breeder and vendor: Rogers. Characteristics: 79 day maturity, white *shrunk*-2 with ears 1.8 × 8", and 16–18 rows. Similar: Frontier, Even Sweeter, Pegasus.

Somethin Else.—Breeder and vendor: Crookham. Characteristics: earliest white supersweet hybrid available on the market; Spring White *shrunk*-2 type. 1989.

Spartan.—Breeder and vendor: Crookham. Characteristics: early market hybrid with heterozygous *sugary enhancer* input; main characteristic is a large ear early with good eating quality. Similar: Aztec. 1989.

Spectacular (CR SE 8504).—Breeder: Callahan. Vendor: Crookham. Characteristics: high yielding midseason homozygous *sugary enhancer* with excellent eating quality and outstanding holding ability. Similar: Miracle. 1987.

Spectrum (85-275).—Breeder: Dr. Whitwood. Vendor: Musser. Characteristics: mid-early maturity; homozygous; clean plant; good husk protection; 16–18 rows; cylindrical ear; use for local markets. 1989.

Spirit (GH79-1901).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: 67 day maturity; yellow type; good vigor; strong plant; good eating quality; 1.875 × 7–8" ear with 14–16 rows. Similar: Aztec. 1983.

Splendor.—Breeder and vendor: Crookham. Characteristics: main season *su1* processor. Resistance: common rust. Similar: Excellency. 1994.

SS Jubilee (GSS 3376).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: midseason, 82 day maturity, has the *shrunk*-2 gene, well suited for processing and fresh market. Similar: Jubilee. 1988.

Starburst.—Breeder and vendor: Market More. Characteristics: cold soil vigor; bicolor type; early maturity. Similar: Topnotch. 1989.

Stars N Stripes (Da25).—Breeder and vendor: Seedway. Characteristics: bicolor, early, single *se*. Similar: DArtagnan. 1989.

Sterling Silver (E9501).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: white, 7–8' tall plants with 2–3 ear placement; ears cylindrical to slightly tapered, 8–8.5" long × 1.8" diameter, attractive dark green husk and flags, 16–20 rounded, narrow rows of kernels. Resistance: tolerance to blight in Florida. Similar: Silver Queen. 1983.

Stylesweet (FMX 85).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: yellow tasseled full season *shrunk*-2 hybrid, long ear with good fill and narrow kernel, dark green husks with good flags. Resistance: tolerance to head smut. Similar: Unique. 1988.

Stylish (FMX 96).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: full season providing fancy narrow kernel of good quality. Resistance: tolerance to head smut. 1988.

Sugar Buns.—Breeder: D. Galinat. Vendor: Mesa Maize. Characteristics: earliest high quality homozygous *sugary enhancer* hybrid available. Similar: Early King. 1989.

Sugar Cane (FMX 165).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: sweet gene or synergistic type, exceptionally long ears 9–11" on a vigorous 7–10' plant. Similar: Sugar Loaf. 1988.

Sugar Snow (40 x 315w).—Breeder: D. Galinat. Vendor: Mesa Maize. Characteristics: early *se* white type. Similar: Sugar Buns. 1989.

Sugarstar.—Breeder and vendor: Market More. Characteristics: bicolor, 20 row count. Resistance: Northern leaf blight. Similar: Escalade. 1989.

Sundial (HMX 8395E).—Breeder: T. Natti. Vendor: Harris Moran. Characteristics: heterozygous yellow *se* processing hybrid; high row count (20–22 rows) with a processing kernel style. Resistance: common rust, maize dwarf mosaic virus, stewarts wilt, tolerance to northern corn leaf. Similar: Cornucopia, More.

Suzette (Nun 8787).—Breeder and vendor: Nunhems. Characteristics: *shrunk*-2 type, 85 days to harvest, yellow kernels, 16 rows, 20 cm long, suitable for fresh market and processing. Similar: NS9000. 1992.

Sweet and Slim.—Breeder and vendor: Burpee. Characteristics: ears are almost cobless; 0.75" cob diameter.

Sweet BI and BI [Nun9027(88-4)].—Breeder: Univ. of Wisconsin. Vendor: Nunhems. Characteristics: *shrunk*-2 bicolor kernels, medium plant height, 9" ears, 16–18 row count, very good tip fill, good husk coverage, 76 days to maturity, fresh market and processing. 1992.

Sweet Comet (FMX 46).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: early yellow sweet genes type with potential fresh market and processing use; dark green husk, medium long flags, good tip cover, 8.5 × 2" ears, 14–20 count rows, medium narrow, medium deep kernels. Resistance: tolerance to head smut. Similar: Honeycomb, Sugarloaf. 1987.

Sweet Ice (HMX3356WES).—Breeder: T. Natti. Vendor: Harris Moran. Characteristics: 74 day maturity, white, attractive dark green husk, 7" ear, 14–16 rows and good tip fill; 3 endosperm are on the ear and combine to give good flavor and sweetness. Resistance: tolerance to stewarts wilt and smut. Similar: Quick Silver-73W.

Sweet Magic (HMX 0368WS).—Breeder and vendor: Harris Moran. Characteristics: medium early maturity 74 day maturity, white *shrunk*-2 with a high row count 16–18, strong germination and seedling vigor, 5' plant height, 17.7 cm ear length, wide cob. Resistance: medium tolerance to stewarts wilt. 1994.

Sweet Rhythm (HMX 3354BES).—Breeder: T. Natti. Vendor: Harris Moran. Characteristics: 70 day maturity, bicolor, dark green attractive husk, 7.5" ears, 16–18 rows, very good eating quality, has *se* and *shrunk*-2 endosperm on the ear, good seedling vigor. Resistance: tolerance to stewarts wilt, common smut. Similar: Seneca Brave.

Sweet Success.—Breeder: Univ. of Wisconsin. Vendor: Illinois Foundation Seed. Characteristics: late maturity, bicolor, *shrunk*-2, robust plant. Resistance: good polygenic resistance to common rust. 1987.

Sweet Symphony (HMX2349BES).—Breeder: T. Natti. Vendor: Harris Moran. Characteristics: 75 day maturity, bicolor, good husk cover, fair flag leaves, light green color, 7–7.5" ears, good tip fill, sometimes a small tassel tip, good sweetness and flavor with *se* and *shrunk*-2 kernels. Resistance: tolerance to common smut, stewarts wilt. Similar: Harmony.

Sweet Tooth (FMX 244).—Breeder: D. Jeffers. Vendor: Ferry-Morse. Characteristics: midseason 82 day maturity, relative maturity with tapered ear and good fill; red tassels, dark green husks with medium flag, white *shrunk*-2 type. Resistance: tolerance to rust and head smut. Similar: How Sweet It Is. 1988.

Sweet Top (85-3161).—Breeder: Dr. Whitwood. Vendor: Musser. Characteristics: midseason *shrunk*-2, dark green plants, excellent flags and protection, 14–18 row, 8–8.5" long cylindrical ear, use for local and processing markets. 1989.

Sweet Treat (FMX 24).—Breeder and vendor: Ferry-Morse. Characteristics: extra sweet with a cylindrical to slightly tapered, well-filled ear on a 5–6' plant, dark green husk and long flags, yellow medium-narrow kernels with excellent quality. Similar: Candy Bar. 1984.

Sweetpak (HMX 5393E).—Breeder and vendor: Harris Moran. Characteristics: heterozygous *se* processing sweetcorn hybrid, high row count 22–44, very tender pericarp, small kernel width. Similar: Stylepak. 1991.

Table Treat (Hyb M344).—Breeder and vendor: Seedway. Characteristics: single-stalked plant, upright leaf, homozygous *se*, bicolor kernels, 8" ear length, husks cover 1" beyond ear. Similar: Lancelot. 1993.

Tango.—Breeder and vendor: Crookham. Characteristics: early maturing, processing type, sweetcorn hybrid with single gene resistance to leaf rust, good size ear and narrow-deep kernel, good field yields and plant recovery. Resistance: single gene resistance to common maize rust. Similar: Bingo. 1992.

Telstar (XP690).—Breeder and vendor: Agway. Characteristics: midseason, heterozygous *se* white type, low incidence of tillering, ears 7.7–8.2" long with 16–20 kernel rows, plant height 6–6.5'. Similar: Snow Cap. 1990.

Tender Delight (84-1360).—Breeder: Dr. Whitwood. Vendor: Musser. Characteristics: 93 day maturity, dark green plant, ears 8.5", quality excellent, tender pericarp, very sweet, yellow, homozygous *se*, home garden and local markets. 1989.

Tere Bonito.—Breeder: Big Crop. Characteristics: medium tall, excellent stalk strength, semierect leaves with good ear retention, good heat and drought tolerance recommended for plant populations of 22,000–23,000. 1989.

Terminator.—Breeder: W. Lough. Vendor: Crookham. Characteristics: mid-main season, *sul* processing hybrid. Resistance: maize dwarf mosaic virus and rust; tolerance to stewarts wilt. Similar: Excellency. 1989.

Topacio (HMX8396).—Breeder: K. Christensen. Vendor: Harris Moran. Characteristics: 85 day maturity, yellow *sugary-1* variety, tall plant, used for fresh market and processing, 8–8.5" long ears with a narrow cob, 16–18 rows, good husk cover and flag leaves. Resistance: rust, maize dwarf mosaic virus, stewarts wilt, northern corn leaf blight tolerance.

Topaz (GH 2759).—Breeder and vendor: Rogers-Northrup King. Characteristics: yellow, *se* sweetcorn, 83 day maturity, excellent tip fill and ear length. Resistance: rust, *Rp1d*. Similar: Excellency, Northrup 199. 1993.

Toro 3303.—Breeder: Big Crop. Characteristics: single cross hybrid, medium tall with excellent stalk, upright, good ear retention. Adaptation: high plant population: 24,000–28,000. 1989.

Tracer (XPH 3090).—Breeder: Asgrow. Characteristics: high yield and recovery, good seed and eating quality. Resistance: *Rp1d*, smut, moderate to southern leaf blight. Similar: More.

Treasure (SCH7673).—Breeder and vendor: Illinois Foundation Seed. Characteristics: white supersweet with good eating quality and good emergence and vigor, good ear package, straight rowing, high row count, good ear size, maturity 83 days at Champaign, Ill. Similar: Silver Xtra-Sweet resistance general. 1992.

Tribune.—Breeder: W. Lough. Vendor: Crookham. Characteristics: *shrunkn-2* for processors. Resistance: *Ht* and rust. Similar: 725 [Crisp N Sweet(TM)]. 1989.

Trigger.—Breeder and vendor: Crookham. Characteristics: main season yellow *shrunkn-2* processor. Resistance: *Ht* 1 and 2. Similar: 710 [Crisp N Sweet(TM)]. 1996.

Tripod.—Breeder and vendor: Crookham. Characteristics: early maturity, processing type, sweetcorn hybrid with single gene resistance to leaf rust, excellent kernel type for season. Similar: Bingo, but earlier. Resistance: single gene to common and maize rust. 1992.

Triton.—Breeder and vendor: Crookham. Characteristics: rust resistant yellow *shrunkn-2* (supersweet) hybrid with large ear and a narrow deep kernel, excellent eating quality; has the ability to hold quality in the field and after harvest. Similar: Tribune. 1990.

Triumph.—Breeder and vendor: Crookham. Characteristics: main season processor. Resistance: rust. Similar: Excellency.

Tuxedo (270 x 238).—Breeder: Galinat. Vendor: Mesa Maize. Characteristics: beautiful ear with outstanding husk appearance and homozygous *sugary enhancer* eating quality. Similar: Miracle. 1987.

Twilight (XP 147).—Breeder and vendor: Agway. Characteristics: 78 day maturity, bicolor, homozygous *se* genotype, ears are 8–

8.5" long with 18–22 kernel rows, ear tips are blunt, plant height is 6.5'. Similar: Sparkle Sweet. 1990.

Upstart (HMX 83865).—Breeder: T.A. Natti. Vendor: Harris Moran. Characteristics: 74 day maturity, yellow supersweet, good seedling and cold soil vigor, strong tipfill, high row count 16–18, attractive husk with good husk cover, 7" ear length. Resistance: medium to stewarts wilt. 1993.

Vanguard.—Breeder and vendor: Crookham. Characteristics: 3-way hybrid, heterozygous *se* bicolor type. Resistance: rust, maize dwarf mosaic virus. Similar: Sweet G-90. 1996.

Vantage EH (84-1209).—Breeder: Dr. Whitwood. Vendor: Musser. Characteristics: 85 days maturity medium height sturdy plant, ears are long slender, kernels are deep and tender, rowing and tip fill excellent, yellow heterozygous, processing. 1986.

Viceroy.—Breeder and vendor: Crookham. Characteristics: midseason maturity, bicolor homozygous *shrunkn-2* sweetcorn. Resistance: tolerance to *Ht*, rust and stewarts wilt. Similar: Honey N Pearls. 1989.

Victor (FMX 329).—Breeder and vendor: Ferry-Morse. Characteristics: strong plant, good vigor, erect appearance, dark green husk color, good flag leaves, ear 7.5–8.5" x 1.9–2". Resistance: moderate to northern leaf blight, head smut.

Viking (GH 2683).—Breeder: L. Hansen. Vendor: Rogers. Characteristics: 85 day maturity yellow sweetcorn, 16 to 20 rows, ears 8.5 to 9" long, suitable for processing or fresh market. Resistance: common smut. Similar: Napier, Commander. 1990.

Vit.—Breeder and vendor: Nunhems. Characteristics: dark green, round leaves early and very productive. Resistance: downy mildew.

Viva (XPH 2654W).—Breeder and vendor: Asgrow. Characteristics: white *se*, grows well, petite ears with refined appearance and good taste. Similar: Snowbelle. 1990.

Voyager (Hybrid 55).—Breeder and vendor: Seedway. Characteristics: 78 day maturity, yellow *shrunkn-2* genotype, plants are single stalked, 6–6.5' tall, ears are 8–8.5" with 14–18 kernel rows, mostly 16–18 rows, husk is very tight. Similar: SS7210. 1994.

Wampum.—Breeder: J.R. Baggett, Oregon State Agr. Exp. Sta. Characteristics: early maturity, small ear and kernel, wide range of color. 1992.

White Diamond (CSEXP 330).—Breeder: Dr. Whitwood. Vendor: Charter. Characteristics: high quality white type, 8" ear, 16–18 rows, excellent husk protection and tip cover, attractive green plant, medium long flags, heterozygous *se*, good cold tolerance and early vigor. Similar: Silver Treat. 1994.

White Satin (XP 705).—Breeder: B. Long. Vendor: Agway. Characteristics: early maturing white with excellent seedling vigor in cold soils, ears average 7.5" long with 14–16 rows of kernels, the plant has a low incidence of tillering, good tolerance to stewarts wilt. Resistance: birds. Similar: Stardust. 1983.

Wisconsin Natural Sweet (WisCropImp).—Breeder: Univ. of Wisconsin. Characteristics: late, yellow, *shrunkn-2*, processing, tall robust plant. 1982.

Zest (XPH 3017W).—Breeder: Asgrow. Characteristics: white *se*, very fine flavor and tenderness. Similar: Snowbelle. 1990.

SWEETPOTATO

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Beauregard.—Breeder: Louisiana Agr. Expt. Sta., Baton Rouge, Louisiana. Parentage: open pollinated seedling of L78-21. Characteristics: consistent root shape, moderate deep orange flesh, stores well, uniform color when baked or canned, high yield of United States number one grade roots. Resistance: fusarium wilt, soil rot. HortScience 27:377. 1987.

Carolina Nugget.—Breeder: North Carolina State Univ. in 1954. Parentage: HM1-36 x Lakan. Characteristics: medium orange flesh, rosy skin; growers report increased yields and superior root shape in heavy soils, seed roots available from Alabama Crop Improvement

Assn., Auburn. Resistance: fusarium wilt, southern root knot. HortScience 20:145. 1985.

Caromex.—Breeder: North Carolina State Univ. in 1971. Parentage: NC228 x NC234. Characteristics: dark copper skin, deep orange flesh which remains bright after cooking and has a sweet flavor; roots remain firm in storage. Resistance: fusarium wilt, but susceptible to flooding damage and postharvest chilling conditions, foundation seed available from North Carolina Foundation Seed Producers, Raleigh. HortScience 14:646. 1979.

Carver.—Breeder: Tuskegee Institute. Parentage: Centennial x Jewel. Characteristics: deep rose skin, deep orange flesh, suited for both fresh and processing market, high yield of U.S. no. 1 roots, good storage qualities, foundation seed available from Alabama Crop Improvement Assn., Auburn Univ., Auburn. Resistance: high to fusarium wilt, intermediate to southern root knot nematode. HortScience 12:266. 1977.

Coastal Red.—Breeder: Univ. of Georgia at the UGA Coastal Plain Experiment Station in 1978. Parentage: seedling from GA-76. Characteristics: open pollinated, red skin, medium orange flesh color, good baking and canning quality, high yield, excellent storage quality, profuse plant production, foundation planting stock available from Dept. of Horticulture, Univ. of Georgia, Coastal Plain Expt. Station, Tifton. Resistance: fusarium wilt, root knot nematodes, soil insects. HortScience 24:176-177. 1989.

Cordner.—Breeder: Texas Agr. Expt. Sta. and Oklahoma State Univ. Characteristics: smooth, bronze skin color and orange flesh, high yield, good sprout reproduction and excellent baking and canning quality, foundation planting stock available from Foundation Seed Service, Texas A&M Univ., College Station. Resistance: fusarium wilt, stem rot, and southern root knot nematode. HortScience 19:455. 1984.

Eureka.—Breeder: Louisiana State Univ. Agr. Expt. Sta., jointly with Univ. of California Agr. Expt. Sta. Parentage: L9-163 x LO-132. Characteristics: copper skin color, orange flesh, roots have good consumer appeal, continuous high yields in soils severely infected with soil rot and good baking, canning, and storage characteristics, breeder seed available from Louisiana State Univ. Agr. Expt. Sta. Resistance: soil rot, internal cork, stem rot and moderate resistance to root knot nematode. HortScience 16:639. 1981.

Excel.—Breeder: USDA and the South Carolina Agr. Expt. Sta. Parentage: open pollinated seedling of Regal polycrossed in 1981 to 29 other parental selections. Characteristics: light copper colored skin and orange flesh slightly lighter than Jewel, high yield and excellent baking flavor, seed available from South Carolina Foundation Seed Assn., Clemson. Resistance: southern root knot, stem rot, internal cork, sclerotial blight, and leaf blight, high to a wide array of insect pests. HortScience 24: 171-172. 1989.

Hernandez.—Breeder: Louisiana State Univ. Agr. Expt. Sta. Parentage: seedling of L70-323. Characteristics: open pollinated, storage roots are lightly grooved and red skinned, flesh is a uniform deep orange, late developing, high yield, excellent storage quality, and excellent baking and processing qualities, foundation seed stock available from Sweet Potato Research Station, Chase, La. Resistance: fusarium wilt, soil rot, internal cork, and several postharvest diseases. HortScience 27:377. 1992.

HiDry.—Breeder: Clemson Univ. and the USDA for industrial uses. Parentage: 4th generation open-pollinated selection from MK-14. Characteristics: white skin and cream-colored flesh, stores well, roots available from South Carolina Foundation Seed Assn., Clemson. Resistance: high to southern root knot nematode and fusarium wilt, multiple other diseases and insects. HortScience 20:954-955. 1985.

Oklamex Red.—Breeder: Oklahoma and New Mexico Agr. Expt. Sta. Parentage: B 1564 x PI 153655. Characteristics: high yielding yam-type sweetpotato, dark red skin, flesh is salmon color, extremely sweet and moist, high carotene content, remain firm in storage, good plant producer, available from Plains Branch Station, New Mexico State Univ., Clovis. Resistance: stem rot and southern root knot nematode. HortScience 14:79-80. 1979.

Pope.—Breeder: North Carolina State Univ. Parentage: NC 288 x 304. Characteristics: light salmon skin color and medium orange flesh, high yielding, early maturing, and excellent canning and storage

quality, available from the North Carolina Foundation Seed Producers, Raleigh. Resistance: high to fusarium wilt, root knot nematodes, flooding damage in the field. HortScience 17:265. 1982.

Regal.—Breeder: USDA, the South Carolina Agr. Expt. Sta., and the Texas Agricultural Station. Parentage: seedling of W-99 polycrossed with 29 other parental selections. Characteristics: open pollinated, dark, purplish-red skin and deep orange flesh, which may be lighter in some environmental conditions, high yield, excellent baking flavor, available from South Carolina Foundation Seed Assn., Clemson. Resistance: high to a wide array of diseases and insects. Similar: Resisto. HortScience 20:781-782. 1985.

Resisto.—Breeder: USDA, the South Carolina Agr. Expt. Sta., and Texas Agr. Expt. Sta. Parentage: seedling of W-56. Characteristics: open pollinated, reddish-copper skin and dark orange flesh color, high yield, excellent canning and baking qualities, roots keep well in storage, good combination of disease and soil insect resistances, available from South Carolina Foundation Seed Assn., Clemson. HortScience 18:251-252. 1983.

Rojo Blanco.—Breeder: Tuskegee Institute. Parentage: Rose Centennial x White Triumph. Characteristics: deep red skin and milk white flesh, excellent storage properties, fairly high yield of United States number one roots, high dry matter content, available from the Alabama Crop Improvement Assn., Auburn. Resistance: fusarium wilt. HortScience 12:265. 1977.

Scarlet.—Breeder: North Carolina Agricultural Research Service. Parentage: selected from meristem-tip culture derived clones of Jewel. Characteristics: dark skinned sweetpotato with orange flesh, has a distinct root shape and high rating in baking trials, seed roots available from the North Carolina Foundation Seed Producers, Raleigh. Similar: Jewel in many characteristics, foliage growth habit, disease resistance, and insect resistance. HortScience 18:111-112. 1983.

Shore Gold.—Breeder: Virginia Polytechnic Institute and State Univ. Experiment Station. Parentage: open pollinated seedling of L7-177 from the Louisiana breeding program. Characteristics: light copper smooth skin, bright orange flesh, early. Adaptation: wide, high yielding cultivar with excellent baking and canning qualities, available from the Virginia Crop Improvement Assn., Mt. Holly. Resistance: fusarium wilt and root knot nematode. HortScience 22:332-333. 1987.

Southern Delite.—Breeder: USDA and the South Carolina Agr. Expt. Sta. Parentage: an open pollinated seedling of W-99. Characteristics: skin color varies from rose to dark copper, depending on the soil type, orange flesh, excellent baking qualities, stores well, combination of pest resistances similar to Regal, foundation seed available from the South Carolina Foundation Seed Assn., Clemson. HortScience 22:329-330. 1987.

Sumor.—Breeder: Agricultural Research Service, USDA, U.S. Vegetable Laboratory, and Clemson Univ., South Carolina Agr. Expt. Sta., Edisto Research and Education Center. Parentage: open pollinated seedling of W-154. Characteristics: light tan skin with white to yellow flesh, good substitute for white potato in very hot regions, high dry matter content, prepared in a similar manner as white potato, available from Clemson Univ., Edisto Research and Education Center, Clemson, S.C. Resistance: heat, drought, a wide array of insects and diseases. HortScience 22:170-171. 1987.

Sweet Red.—Breeder: North Carolina State Univ. Parentage: open pollinated seedling of NC 258. Characteristics: deep copper-red skin and deep orange flesh, high yield, excellent baking and canning qualities, available from North Carolina Foundation Seed Producers, Raleigh. Resistance: root knot nematode and fusarium wilt. HortScience 22:514-515. 1987.

Topaz.—Breeder: Texas Agr. Expt. Sta. Parentage: open pollinated seedling of W-26. Characteristics: smooth, bronze skin and medium orange flesh color, high yield of U.S. no. 1 grade roots, good baking qualities, available from the Foundation Seed Service, Texas A&M Univ., College Station. Resistance: fusarium wilt and southern root knot. HortScience 23:414. 1988.

Travel.—Breeder: Louisiana Agr. Expt. Sta. in 1980. Parentage: developed from a polycross system of breeding with L3-217 as the seed parent. Characteristics: rose skin and deep orange flesh, early maturity, high yield. Resistance: fusarium wilt, root-knot, internal

cork, and soil rot. HortScience 16:574. 1981.

White Delite.—Breeder: North Carolina State Univ. in 1979. Parentage: cross between a Univ. of Georgia breeding clone (GA41) and an unknown pollen parent. Characteristics: high yielding, excellent quality white-fleshed cultivar for local markets or garden types, available from North Carolina Foundation Seed Producers, Raleigh. Resistance: fusarium wilt and root knot nematode. HortScience 22:679. 1987.

SWISS CHARD

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Argentata.—Characteristics: Italian heirloom type, silvery white midribs and savoyed deep green broad leaves, mild and sweet flavor.

Fordhook Giant.—Characteristics: leaves dark green, savoyed, white veins, stems broad and white, heat resistant, fresh-market use.

Large White Ribbed.—Characteristics: leaves dark green, smooth, white veins, stems broad and smooth, white, slightly flattened.

Paros.—Characteristics: tall, shiny, upright green leaves on thick white stalks, mild and sweet flavor.

Rainbow.—Breeder: John Eaton. Vendor: Johnny's. Characteristics: delicious Swiss chard with multicolored stems, red, pink, striped, white, orange, yellow, and lemon. Similar: Silverbeet Five Color.

Ruby Red.—Characteristics: leaves deep green, savoyed, red veins, stems bright red and slightly flat, fresh-market use.

Silverado.—Breeder: Alf Christiansen. Characteristics: glossy dark green leaves and white stems, compact habit, excellent flavor.

TOMATO

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Acclaim (STM 2201).—Breeder and vendor: Sakata. Characteristics: F₁ hybrid, fresh-market tomato for commercial growers. Similar: Jackpot. 1993.

Advance (39-4-36, STEP 667).—Breeder and vendor: Missouri Agr. Expt. Sta., Columbia. Parentage: Mo. P3229 x VFN8. Characteristics: hybrid fresh-market type with early-midseason maturity, determinate vine, ovate-globe fruit shape. Resistance: fusarium wilt race 1, verticillium wilt race 1, nematodes, *Sclerotium rolfsii*, *Septoria* leaf spot. Adaptation: home gardens. Missouri Agr. Expt. Sta. Research Bulletin 1057. 1985.

Alberto (012690).—Breeder and vendor: Petoseed. Characteristics: F₁ hybrid, large deep oblate fruit, 10–12 oz, green shoulder, stake culture large determinate plant, 73 day maturity from transplant. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tobacco mosaic virus. Similar: Beefsteak. 1995.

All Star (PSXM 72482).—Breeder and vendor: Petoseed. Characteristics: 78 day maturity, large and extra large fruit, 7 oz, green shoulder, deep globe, smooth, firm, jointed, large determinate. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. 1985.

Allegro (XPH 5211).—Breeder and vendor: Asgrow. Characteristics: early midseason maturing hybrid with high soluble solids, medium high viscosity, low pH, firm, round type, a compact vine requires less management. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: H785. 1986.

Amur (XPH 5300).—Breeder and vendor: Asgrow. Characteristics: highly branched vine with short internodes, excellent foliage cover, square fruit, medium size, very firm with uniform shoulder color, pedicel is jointed. Resistance: verticillium race 1, fusarium races 1 and 2. Similar: Pacesetter 882. 1988.

Andino (XPH 5978).—Breeder and vendor: Asgrow. Characteristics: a processor or fresh-market dual purpose pear type, full season maturity. Resistance: certain nematode strains, bacterial speck. Similar:

lar: Roma. 1994.

Andre (012718).—Breeder and vendor: Petoseed. Characteristics: F₁ hybrid, large, firm, globe shaped fruit, green shoulder, mid-maturity, indeterminate plant. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. Similar: Carmelo. Adaptation: Mexico. 1995.

Apex 1000 (FM 67432).—Breeder and vendor: Ferry-Morse. Characteristics: very firm fruited deep round processing tomato with green shoulders, high quality. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: VF 3202, Apex 2000. 1982.

Apex 2000 (FM 67435).—Breeder and vendor: Ferry-Morse. Characteristics: very firm fruited short pear processing tomato with green shoulders, high quality. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: VF 3202, Apex 1000. 1982.

APT 5923 (XPH 5923).—Breeder and vendor: Asgrow. Characteristics: uniform shouldered, irregular blocky fruit, uniform color, whole peel and dice product, high viscosity, consistent field performance. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: Vega, Peto111B. 1995.

APT127 (XPH 12047).—Breeder and vendor: Asgrow. Characteristics: blocky fruited hybrid, early maturity, good solids, viscosity balance, excellent firmness. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: Brigade. 1994.

Atlantic City (FMX 58).—Breeder and vendor: Ferry-Morse. Characteristics: jointless, bush or short stake culture, high yields of uniform green, large to extra large firm smooth fruit, vine medium large determinate with curly foliage, medium early maturity, machine harvest capability. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. Similar: Blazer, Duke, Tempo, Flora-Dade. 1983.

AV 5131 Ranch.—Breeder and vendor: SunSeeds. Characteristics: an early midseason high yielding variety, square rounded fruit make excellent peelers. Resistance: verticillium wilt race 1, fusarium wilt race 1. Similar: UC 82.

AV 5715 EVA.—Breeder and vendor: SunSeeds. Characteristics: midseason high yielding variety, performs well in high temperatures. Resistance: verticillium wilt race 1, fusarium wilt race 1. Similar: UC 82.

Aztec (PS SM12).—Breeder and vendor: Petoseed. Characteristics: long square type for fresh-market saladette. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck, gray leaf spot. Similar: Rio Grande. 1993.

Baccarat (FMX155).—Breeder and vendor: Ferry-Morse. Characteristics: bush or short stake production market type, jointless, medium large, green shouldered fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot. 1990.

Basket King.—Breeder and vendor: Burpee. Characteristics: well-branched determinate plants bearing a heavy crop of 1.75" diameter round fruit of good flavor. Similar: Presto. 1982.

Beef King (NVH 4354).—Breeder and vendor: Northrup King. Characteristics: a home garden, bedding plant type, produces super large fruit weighing in a range of 300–350 g, excellent flavor, good interior color, good texture. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. Similar: Beef Master, Supersteak, Bragger. 1987.

Beefsteak VFN.—Breeder and vendor: Burpee. Characteristics: very large, fairly smooth fruit, 17 oz or more with small blossom scar. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes. Similar: Super Steak. 1983.

Bellestar (ST-50).—Breeder: Agriculture Canada, Smithfield Expt. Farm, Trenton. Vendor: Johnny's Selected Seed. Parentage: Libby 7281 x ST31. Characteristics: processing type with a compact, determinate, upright vine, concentrated early set, uniform shoulders, sunscald tolerance, slightly elongated, lobed shape, firm, jointless pedicel, crimson fruit color, early maturity. Resistance: verticillium wilt race 1. Adaptation: eastern Ontario, northeastern United States. HortScience 19:895–896, 1984. 1981.

Benewah (Idaho 21).—Breeder and vendor: Univ. of Idaho, Moscow. Parentage: Pixie Hybrid x Sub-Arctic Midi. Characteristics: indeterminate, later ultra-early maturity, good leaf cover, slightly oblate 6–7 cm fruit. Similar: Sub-Arctic varieties. Adaptation: cool,

short growing areas. HortScience 15:536–537. 1980.

Big Beef (PSX 76186).—Breeder and vendor: Petoseed. Characteristics: large fruited, indeterminate Beefsteak type, earlier, more productive and much more disease resistant than Beefsteak or Ponderosa Red. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot, nematodes, tobacco mosaic virus. Similar: Better Boy, Beefmaster. 1991.

Boa.—Breeder and vendor: Vilmorin. Characteristics: stable plant large fleshy, fruit early yielding under glass vigorous variety, with short internodes splitting, multilocular, average weight 200–220 g. Resistance: tobacco mosaic virus, verticillium wilt race 1, fusarium wilt race 1, gray leaf spot. Similar: Dumbo. 1993.

Bonita (NVH 4457).—Breeder and vendor: Northrup King. Characteristics: fresh-market hybrid for the commercial grower, fruit are globe to deep globe, firm, smooth shoulders, blossom end scar is tight, fruit are jointless, plant is medium vigorous of determinate habit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot. Similar: Sunny. 1986.

BOS 20/20 (17020).—Breeder and vendor: Orsetti Seeds. Characteristics: very firm hybrid processing tomato, high; yield, color, solids, and viscosity, multiuse for peel, dice and paste. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes. 1996.

BOS 707 (707).—Breeder and vendor: Orsetti Seeds. Characteristics: determinate hybrid processing pear type, uniform shape for specialty peeling pack, medium size stem scar, good vine size and fruit cover. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. 1989.

BOS 3203 (3203).—Breeder and vendor: Orsetti Seeds. Characteristics: midseason processing hybrid, square-round shape, firm, jointless, excellent internal and external color, vine cover and fruit set are very good. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes. 1987.

BOS 8033 (8033).—Breeder and vendor: Orsetti Seeds. Characteristics: early multiple use hybrid processing type, medium vine, good cover, exceptional internal color. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, bacterial speck. 1980.

BOS 8066 (15122).—Breeder and vendor: Orsetti Seeds. Characteristics: early processing hybrid, excellent fruit color, good vine cover, strong yielding. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, bacterial speck. 1994.

BOS 8095 (8095).—Breeder and vendor: Orsetti Seeds. Characteristics: jointed pedicel, uniform square round processing hybrid for multipurpose use, medium-large vine with good cover. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. 1990.

BOS 8132 (8132).—Breeder and vendor: Orsetti Seeds. Characteristics: medium to large vine, hybrid processing type, jointed pedicel, square round shape, green shoulders, versatile for peeling, dicing, or product use. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes. 1990.

BOS 8147 (8147).—Breeder and vendor: Orsetti Seeds. Characteristics: processing hybrid with a medium to large, dark green vine, large, firm, good colored fruit, good yields and holding capacity, for dicing and product use. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes. 1990.

Brigade (XPH 5210).—Breeder and vendor: Asgrow. Characteristics: square peeler and dicer with utilization also for high solids and viscosity products, a consistent performer that is adapted to all major production areas. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: E6203. 1986.

Burgis (71057).—Breeder and vendor: Univ. of Florida, Bradenton. Parentage: Flora-Dade x Fla. breeding line. Characteristics: fresh-market type, determinate vines, jointless pedicel, midseason, medium-large fruit. Similar: Flora-Dade. Adaptation: Florida. Fla. Agr. Expt. Sta. Circ. S-279. 1981.

Bush Big Boy.—Breeder and vendor: Burpee. Characteristics: improved Big Boy type, with reduced plant size and added disease resistance, for garden use.

Butte (FM 50189).—Breeder and vendor: Ferry-Morse. Characteristics: early, heat tolerant, deep round type with very good, compact vine for twin row planting, firm fruit with good quality. Resistance: verticillium race 1, fusarium race 1, alternaria stem canker. 1990.

Cabernet (012718).—Breeder and vendor: Petoseed. Characteristics: indeterminate plant, large firm globe shaped fruit, green shoulder, main season. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. Similar: Carmelo type. 1995.

Cambria (012748).—Breeder and vendor: Petoseed. Characteristics: greenhouse, fresh market, indeterminate type, 130 g fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. Similar: Money Maker. 1995.

Cannery Row (FM 67374).—Breeder and vendor: Ferry-Morse. Characteristics: very firm fruited, elongated square round processing type, high quality, medium early, medium small vine, very curly foliage. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker; high tolerance to fruit rot. Similar: Unique. 1983.

Capitan (PSX 1994).—Breeder and vendor: Petoseed. Characteristics: extra early, 65 day maturity, 3.5 oz fruit, deep oblate, apple green shoulder, small to medium determinate plant, sets well under high temperatures and humidity. Resistance: verticillium wilt race 1, alternaria stem canker; tolerance to some strains of bacterial wilt. 1986.

Carmelita (Castle 1075).—Breeder: ARCO. Vendor: Castle. Characteristics: trellis culture, indeterminate, medium sized, smooth fruit, excellent fruit set. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. Similar: Carmelo.

Carnival (PSM38179).—Breeder and vendor: Petoseed. Characteristics: 72 day maturity, 8 oz, deep oblate fruit, green shoulder, firm, thick walled, sizes 5 × 6 and larger, medium-size determinate plants. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, alternaria stem canker, gray leaf spot, tobacco mosaic virus. Similar: Celebrity, Royal Flush. 1986.

Celtics (Nun 7391).—Breeder and vendor: Nunhems Zaden. Characteristics: indeterminate greenhouse type, medium vigorous growth, good open plant habit, fruit 190–210 g, round-oblate, slight green shoulders, very firm. Similar: Dumbo. 1991.

Cherokee (NC BCI-32).—Breeder and vendor: North Carolina State Univ., Fletcher. Parentage: [(Walter x Ace 55VF)_F2 x Walter]_F7. Characteristics: fresh market, large determinate, late season, medium-slightly large fruit, uniform green shoulder. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. HortScience 17:92–93, 1982. 1981.

Cherry King.—Breeder and vendor: Northrup King. Characteristics: recommended for cherry tomato grower seeking an indeterminate plant type producing medium to medium-large cherry-sized fruit. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes. 1989.

Cherry Royale (NVH 4464).—Breeder and vendor: Northrup King. Characteristics: cherry type, determinate bush plant habit, round fruit, green shoulder, firm, uniform shape, fruit size 1.3–1.5" diameter, will do well staked or as a bush. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes, tobacco mosaic virus. Similar: Cherry Grande. 1986.

Cisco (XPH12057).—Breeder and vendor: Asgrow. Characteristics: large-fruited, uniform shouldered tomato with vigorous determinate plant. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, Stev. nematode. Similar: Sunbrite. 1995.

Cobia (NVH 4459).—Breeder and vendor: Northrup King. Characteristics: deep globe fruit, very firm with thick walls, smooth shoulders, with a tight blossom end, fruit are jointed, green shoulders, colors well under gas ripening. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot. Similar: Sunny. 1990.

Cobra.—Breeder and vendor: Vilmorin. Characteristics: very productive, fruit very resistant to splitting, uniform size, vigorous plant with short internodes, green shoulder, round to oblong shape, 5–6 locules, very firm even at maturity, average weight 180–200 g. 1993.

Colonial (PSX 34183).—Breeder and vendor: Petoseed. Characteristics: medium-large determinate for stake or bush culture. fresh market, green wrap, 76 day maturity, deep globe, 7–8 oz or 200–300 g, green shoulder, jointless, smooth, firm, strong plant. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. 1990.

Colusa (FM 48452).—Breeder and vendor: Ferry-Morse. Characteristics: square-round midseason processor, better yield potential, higher soluble solids, superior processing quality compared to MHVF 6203. Resistance: fusarium wilt races 1 and 2, alternaria stem canker, verticillium wilt race 1. Similar: MHVF 6203. PVP. 1990.

Condor (PSXP37191).—Breeder and vendor: Petoseed. Characteristics: processor for mechanical or hand harvest, square-round fruit, good color, jointed, uniform green, medium size determinate plant. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, alternaria stem canker, gray leaf spot, bacterial speck. Similar: Rio Grande type. 1986.

Conquest (33-ST-3, STEP 652).—Breeder and vendor: Missouri Agr. Expt. Sta., Columbia. Characteristics: fresh-market type, indeterminate vine, globe shape, uniform shoulder, radial crack resistant, firm, good color and flavor, large fruited; not the same as Conquest from Rogers (1993). Resistance: cracking, fusarium wilt race 1, verticillium wilt race 1, nematodes. Adaptation: home, market gardens. Report Tomato Genetics Cooperative 33:51–52, 1983. 1982.

Conquest (NVH 4471).—Breeder and vendor: Rogers. Characteristics: first determinate commercial fresh-market variety; not the same as Conquest from Missouri Agr. Expt. Sta. (1982). Resistant: fusarium crown rot, verticillium wilt race 1, fusarium wilt races 1 and 2, tobacco mosaic virus. Similar: Sunny. 1993.

Consul (Nun 7009).—Breeder and vendor: Nunhems. Characteristics: processing type, early concentrated ripening, mechanical harvest, determinate bush, 50–60 g. Resistance: verticillium wilt race 1, fusarium wilt race 1. 1993.

Corona (PSX 26381).—Breeder and vendor: Petoseed. Characteristics: 77 day maturity, deep oblate 8 oz fruit, uniform green, small scars, very smooth, jointed, medium to large size, large determinate plants. Resistance: verticillium wilt race 1, nematodes, tobacco mosaic virus, alternaria stem canker, gray leaf spot, fusarium wilt races 1 and 2. 1987.

Cougar (PSX 55791).—Breeder and vendor: Petoseed. Characteristics: fresh-market tomato type. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, spotted wilt virus; tolerance to spotted wilt. 1993.

Count Fleet (#46).—Breeder and vendor: Ferry-Morse. Characteristics: a firm large-fruited fresh-market hybrid for bush or short stake culture, high yields of uniform ripening fruit for grower-shippers, it is nearly as early as Jackpot, but with larger fruit. Resistance: verticillium wilt race 1, tobacco mosaic virus, gray leaf spot, fusarium wilt races 1 and 2. Similar: Jackpot, Bingo. 1982.

Crimson Fancy (PSX 012543).—Breeder and vendor: Petoseed. Characteristics: large fruit, very firm with solid interior structure, excellent taste, bush type plants. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot. Similar: Celebrity. 1993.

Daybreak (PSX 504589).—Breeder and vendor: Petoseed. Characteristics: early maturing, determinate habit, large fruit which are firm, globe shaped, green shouldered. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus, gray leaf spot. Similar: Sunrise, Pikred. 1991.

Diva (TOM 2-128).—Breeder and vendor: Rogers. Characteristics: excellent firmness at vine ripe stage, early indeterminate, 72 day maturity, no green shoulder. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus, gray leaf spot. Similar: Carmello. 1993.

Dona.—Breeder and vendor: Vilmorin. Characteristics: vigorous plant, very productive, variety recommended for trained crops, under cold shelter and in open field, green shoulder fruit, round flattened shape, multicolor, 160–180 g. Resistance: tobacco mosaic virus, verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes. Similar: Alia, Carmello, Fandango. 1993.

Drava (XPH 4074).—Breeder: Asgrow. Vendor: I.S.I. Characteristics: long pear tomato, very early, 90 g, L/D ratio 1.6–1.75, medium sized plant. Resistance: verticillium wilt race 1, fusarium wilt race 1. Similar: Hypeel 244, Bondera, Loira. 1989.

Duven (PS 76680).—Breeder and vendor: Petoseed. Characteristics: tall determinate plants with medium-large fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus, gray leaf spot, alternaria stem canker. Similar:

Contessa. 1993.

Eagle (XPH 5924).—Breeder and vendor: Asgrow. Characteristics: medium large fruit, green shouldered, jointless, determinate vine. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker. Similar: Duke. 1991.

Earlbricht.—Breeder: Agriculture Canada, Smithfield Expt. Farm, Trenton, Ontario. Vendor: Stokes Seeds. Parentage: Earlrirage x S-72-B. Characteristics: processing type for juice or whole pack, early season, small determinate vines for high-density planting, oblate, light green shoulders, crimson, *ogc*, excellent flavor. Resistance: blossom end rot, cracking and sunscald. Similar: Earlrirage, Early Red Rock, TH-318. Adaptation: cool regions in eastern Ontario, Canada. Can. J. Plant Sci. 66:417–419. 1986.

EF 49 (XPH 12049).—Breeder and vendor: Asgrow. Characteristics: medium tall vine, green shouldered, globe shape, very firm fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. Similar: Olympic. 1993.

EF 50 (XPH 12050).—Breeder and vendor: Asgrow. Characteristics: medium tall determinate vine, uniform shouldered flattened globe, very firm fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. 1993.

EF 51 (XPH 12051).—Breeder and vendor: Asgrow. Characteristics: medium tall determinate vine, large, green shouldered, flattened globe, very firm fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. Similar: Olympic. 1993.

EF 52 (XPH 12052).—Breeder and vendor: Asgrow. Characteristics: tall, determinate vine, medium-large green shouldered, flattened globe, very firm fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot, tobacco mosaic virus. Similar: Sunny. 1993.

Empire (PSX 77384).—Breeder and vendor: Petoseed. Characteristics: fresh-market type, midseason, 72 day maturity, medium-large determinate, fruit deep oblate, 8 oz or 230 g, green shoulder, heavy yielder. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus, alternaria stem canker, gray leaf spot. 1990.

Enchantment.—Breeder and vendor: Petoseed. Characteristics: fresh-market, home garden type. 1991.

Endura (FM 40338).—Breeder and vendor: Ferry-Morse. Characteristics: pear type, very firm fruit, easy stemming, high solids and viscosity. Resistance: fusarium wilt race 1, verticillium wilt race 1, alternaria stem canker, gray leaf spot. Similar: VF 6201, PVP. 1990.

Equinox (Fla. 7249B).—Breeder: Univ. of Florida, Bradenton. Vendor: Agrisales. Parentage: Fla. 7324 x Fla. 7060. Characteristics: F1 hybrid, heat tolerance, fresh-market type, determinate vine, early-midseason, medium-large, flat round fruit, firm. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, gray leaf spot. Similar: Solar Set with smoother blossom scar. Adaptation: Florida, southeastern United States. HortScience 30:647–648. 1995.

Explorer (HMX 9851).—Breeder and vendor: Harris Moran. Characteristics: early multiuse processing tomato. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes. 1993.

Falcon (XPH 5925).—Breeder and vendor: Asgrow. Characteristics: determinate plant medium-large, round, green-shouldered fruit, jointless. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, alternaria stem canker. Similar: Duke. 1991.

Fame (XPH 5719).—Breeder and vendor: Asgrow. Characteristics: a whole peel blocky round type for processing. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker, nematodes. Similar: Brigade. 1991.

Felix (PS9110).—Breeder and vendor: Petoseed. Characteristics: fresh market, home garden, long keeper, indeterminate, stake or tall cages, 5–7 oz, early maturity. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. 1995.

First Lady.—Breeder and vendor: Petoseed. Characteristics: early, home garden, indeterminate small globe 4–5 oz or 115–145 g, green shoulder. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus good to cracking. Similar: Early Girl. 1990.

First Prize (012718).—Breeder and vendor: Petoseed. Character-

istics: fresh market, indeterminate, greenhouse type, large, firm globe shaped fruit, green shoulder, midseason maturity. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. Similar: Carmelo. 1995.

Flash (XPH 5204).—Breeder and vendor: Asgrow. Characteristics: early maturing fresh-market, jointless hybrid. Resistance: verticillium wilt race 1, fusarium wilt race 1, gray leaf spot. Similar: Sunny, Pik Red. 1987.

Flavor King (NVH 4356).—Breeder and vendor: Northrup King. Characteristics: a home garden bedding plant type, medium to large size from 190–250 g or 9 oz, excellent flavor, good interior and exterior color, easy peeler, indeterminate, i.e. long season harvest. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: Whopper, Champion, Super Fantastic. 1987.

Flavormore 210 (FMX210).—Breeder and vendor: Ferry-Morse. Characteristics: extended shelf life hybrid, first fusarium race 3 resistant variety, high yield, firm, large fruit, late maturity, medium large vine suitable for staking, jointless pedicel. Resistance: cracking, verticillium wilt race 1, tobacco mosaic virus; fusarium wilt races 1, 2, 3. Similar: other vine ripe harvest, long shelf life varieties. 1995.

Flavormore 212 (FMX212).—Breeder and vendor: Ferry-Morse. Characteristics: large, firm and very smooth fruit, market hybrid of the extended shelf life type, medium compact vine provides good foliage cover, suited to bush product, with extra fertilizer before flowering can develop large enough vine for staking. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: bush type long shelf life varieties. 1995.

Flavormore 215 (FMX215).—Breeder and vendor: Ferry-Morse. Characteristics: early extended shelf life market hybrid that ripens well when picked green and gassed, medium to large size, smooth and attractive, green-ripe fruit are firm and smooth on the shoulders and blossom ends, stems easily, ripens uniformly. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: Merced, Sunbelt, Shady Lady, Sunny. 1995.

Flora-Dade (908).—Breeder and vendor: Univ. of Florida, Homestead. Parentage: Walter x Fla. 2153. Characteristics: fresh market, determinate, late season, jointless pedicel, medium fruit size, flat-round shape. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, gray leaf spot. Adaptation: wide. Fla. Agr. Expt. Sta. Circ. S-246. 1976.

Floragold Basket (Fla. 7190).—Breeder and vendor: Univ. of Florida, Bradenton. Parentage: Fla. Basket, PI 205046, and Fla. breeding lines. Characteristics: dwarf, determinate plant with prostrate growth habit, fruit are cherry size, green shouldered, gold when ripe. Similar: Florida Basket. Resistance: gray leaf spot. Adaptation: greenhouse culture in hanging baskets. Fla. Agr. Expt. Sta. Circ. S-344. 1988.

Florameric (Florida Hybrid).—Breeder and vendor: Univ. of Florida, Bradenton. Characteristics: F₁ hybrid, fresh market, determinate, midseason, medium-large, flat-round fruit, medium firmness. Resistance: fusarium wilt races 1 and 2, gray leaf spot, *Cladosporium* leaf mold, *Alternaria* stem canker. Adaptation: wide. Fla. Agr. Expt. Sta. Circ. S-248. 1977.

Florasette (XPH 10013).—Breeder and vendor: Asgrow. Characteristics: hybrid, large fruited, fresh-market type, green shouldered, jointed pedicel. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, *Alternaria* stem canker. Similar: Sunbeam. 1993.

Florida 1A, 1B, 1C (626, 631, 645, respectively).—Breeder and vendor: Univ. of Florida, Bradenton. Parentage: Walter x Fla. 2153. Characteristics: fresh-market type, determinate vine, early-midseason, medium-large, oblate fruit. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, gray leaf spot. Adaptation: Florida. Fla. Agr. Expt. Sta. Circ. S-282. 1981.

Florida Basket.—Breeder and vendor: Univ. of Florida, Bradenton. Characteristics: dwarf, determinate, prostrate habit, small, elongated globe fruit, uniform green shoulders. Resistance: gray leaf spot. Adaptation: greenhouse culture in hanging baskets. Fla. Agr. Expt. Sta. Circ. S-283. 1981.

Florida Lanai.—Breeder and vendor: Univ. of Florida, Bradenton. Characteristics: dwarf, determinate, thick stems, flat leaves, small, oblate fruit, uniform shoulders. Resistance: gray leaf spot. Adaptation:

greenhouse culture in pots for patios. Fla. Agr. Expt. Sta. Circ. S-284. 1981.

Florida MH-1 (MHI, STEP 599).—Breeder and vendor: Univ. of Florida, Bradenton. Parentage: Walter x Heinz 3. Characteristics: fresh-market, determinate, early-midseason, jointless pedicel, fruit are medium-large, flat-round, firm. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, gray leaf spot, several races of gray leaf mold. Adaptation: Florida. Fla. Agr. Expt. Sta. Circ. S-212. 1971.

Florida Petite.—Breeder and vendor: Univ. of Florida, Bradenton. Characteristics: dwarf determinate, cherry-size fruit, uniform green shoulders. Resistance: gray leaf spot. Adaptation: greenhouse culture in pots. Fla. Agr. Expt. Sta. Circ. S-285. 1981.

Fourth of July.—Breeder and vendor: Burpee. Characteristics: garden type, early, a large number of fruit ripe on early pick.

Freshmarket 9.—Breeder and vendor: Texas Agr. Expt. Sta., Weslaco. Characteristics: fresh-market type with heat tolerant fruit set, determinate vine with sparse foliage, deep round fruit with a square appearance, uniform shoulder color, firm, early season. Resistance: cracking, fusarium wilt race 1, gray leaf spot; tolerance to sunburn, heat. HortScience 21:156. 1986. 1982.

Gardeners Choice (38-4-108, STEP 660).—Breeder and vendor: Missouri Agr. Expt. Sta., Columbia. Characteristics: hybrid, indeterminate vine, midseason maturity, globe fruit shape. Resistance: fusarium wilt race 1, early blight, *Alternaria solani*. Adaptation: home garden, canning, local markets. Missouri Agr. Expt. Sta. Research Bulletin 1057. 1986.

Gem State (Idaho 15).—Breeder and vendor: Univ. of Idaho, Moscow. Parentage: Pixie Hybrid x Sub-Arctic Midi. Characteristics: determinate dwarf, compact vine, ultra-early maturity, concentrated fruit set, 4–5 cm fruit. Adaptation: cool summer areas. Similar: Pixie. HortScience 15:536–537. 1980.

Gemini (HMX 3836).—Breeder and vendor: Harris Moran. Characteristics: processing type. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes. 1992.

Gemstar (012-803).—Breeder and vendor: Petoseed. Characteristics: hybrid, mid-late maturity, medium-large fruit, 150–180 g, uniform shoulder, jointed, small compact bush plant. Resistance: verticillium wilt race 1, fusarium wilt race 1, gray leaf spot, TYLCV. Similar: Ty20, Tymor, E436, E437.

Gibraltar (PSM74180).—Breeder and vendor: Petoseed. Characteristics: 76 day maturity, 7–8 oz, deep oblate fruit, medium to large size, fairly smooth, green shoulders, jointless pedicels, medium to large determinate plants. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, *Alternaria* stem canker, gray leaf spot. 1986.

Gold Dust (212-90-3).—Breeder and vendor: Univ. of New Hampshire. Characteristics: determinate very compact and open, 160–165 g, globe shape, smooth, crack free, deep tangerine ripe color, uniform green unripe, small core, no blotch, very firm, large yield, quite early. Resistance: verticillium wilt race 1. Similar: Gold Valley Girl.

Gold Nugget (T58-2-2-7).—Breeder and vendor: Oregon State Univ. Characteristics: golden cherry tomato, early, compact determinate plant, potential for high percentage of seedless fruit. Similar: Yellow Plum, but earlier, more compact plant. 1983.

Grandstand 98 (17098).—Breeder and vendor: Orsetti Seeds. Characteristics: processing hybrid, mid-early maturity for peeling, excellent yield and quality, medium-high solids, excellent multiuse results. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, bacterial speck. 1976.

Granola.—Breeder: Cannors. Vendor: Nunhems. Characteristics: bush type, fresh-market vigorous plant, compact habit fruit 180–200 g, jointed, green shoulder. Resistance: tobacco mosaic virus, verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot; high tolerance to cracking. 1990.

H2710.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste tomato, midseason, medium-large bush, oval fruit shape. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, bacterial speck, *Alternaria* stem canker. Adaptation: arid climates. 1986.

H3044.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste and peel tomato, early season, medium prostrate vine, blocky fruit shape. Resistance: fusarium wilt races 1 and 2, verticillium wilt

race 1, nematodes, alternaria stem canker. Adaptation: arid climates. 1989.

H3302.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste tomato, medium prostrate vine, midseason, oval fruit shape. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, alternaria stem canker. Adaptation: arid climates. 1988.

H7155.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste or viscosity tomato, large prostrate vine, midseason maturity, jointless pedicel, oval fruit shape, good flavor. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: humid climates. 1987.

H8704.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste or viscosity tomato, medium prostrate vine, midseason maturity, jointless pedicel, oval fruit, very good fruit set. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: humid climates. 1989.

H8773.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste tomato, small bush, very early season, oval fruit shape. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, alternaria stem canker. Adaptation: arid climates. 1990.

H8892.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste, peel, or viscosity product tomato, medium-large prostrate vine, full season maturity, jointless pedicel, blocky fruit shape. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, alternaria stem canker. Adaptation: arid climates. 1991.

H8893.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste, peel, or viscosity product tomato, medium-large prostrate vine, full season maturity, jointless pedicel, blocky fruit shape. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, alternaria stem canker, bacterial speck. Adaptation: arid climates. 1991.

H9035.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste, peel, or viscosity product, medium prostrate vine, midseason maturity, jointless pedicel, blocky fruit shape. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. Adaptation: humid climates. 1992.

H9144.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste, peel, or viscosity tomato, medium-large prostrate vine, full season maturity, jointless pedicel, oval fruit shape. Resistance: fusarium wilt race 1, verticillium wilt race 1; tolerance to bacterial canker. Adaptation: humid climates. 1993.

H9175.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste, peel, or viscosity product tomato, large semi-prostrate vine, midseason maturity, jointless pedicel, blocky fruit shape. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, alternaria stem canker, bacterial speck. Adaptation: arid climates. 1993.

H9230.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste tomato, small prostrate vine, very early maturity, jointless pedicel, round fruit, good flavor. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: humid climates. 1988.

H9280.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste tomato, small, semi-prostrate vine, very early season, blocky fruit shape. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, alternaria stem canker, bacterial speck. 1994.

H9382.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste, peel, or viscosity tomato, large bush, fall season maturity, jointless pedicel, blocky fruit shape. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, alternaria stem canker, bacterial speck. Adaptation: arid regions. 1995.

H9478.—Breeder and vendor: H.J. Heinz. Characteristics: hybrid paste, peel, or viscosity tomato, medium prostrate vine, midseason maturity, oval fruit shape, good flavor. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: humid climates. 1988.

Halley 3155 (3155).—Breeder and vendor: Orsetti Seeds. Characteristics: processing hybrid, jointed pedicels, long square round fruit, thick walls, good internal color, uniform green shoulders, for dicing, whole peel and other uses, vine cover is desirable, fruit hold well, yield is excellent. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. 1987.

Hawk (XPH 5676).—Breeder and vendor: Asgrow. Characteristics: large fruited, green shoulder, fresh-market type, determinate. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2,

alternaria stem canker, bacterial wilt. Similar: Redlander. 1991.

Hayslip (648 x MH11).—Breeder and vendor: Univ. of Florida, Bradenton. Characteristics: fresh market, determinate vine, jointless pedicel, medium-large fruit, midseason. Similar: Flora-Dade, Florida MH-1. Adaptation: Florida. Fla. Agr. Expt. Sta. Circ. S-278. 1981.

Heatmaster (PS816190).—Breeder and vendor: Petoseed. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus, gray leaf spot, bacterial wilt; tolerance to heat. Similar: Capitan. 1993.

Heatwave (PSX 39686).—Breeder and vendor: Petoseed. Characteristics: fresh market for high temperature set, deep oblate to globe, 6–7 oz, strong determinate plants, 68 day maturity. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. 1990.

Heritage (PSR 34283).—Breeder: Precision Agriculture. Vendor: Petoseed. Characteristics: jointless pedicel, thick walled. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. 1989.

Horizon (Fla. 7067).—Breeder: Univ. of Florida, Bradenton. Vendor: Joseph Harris. Parentage: complex—Walter, Burgis, Fla. 1A, Flora-Dade and breeding lines. Characteristics: fresh-market midseason, determinate vine, jointless pedicel, light green shoulders, medium-large, flat-round fruit. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, gray leaf spot. Similar: Duke. Adaptation: Dade County, Florida. Fla. Agr. Expt. Sta. Circ. S-323, 1985. 1984.

Humaya (XPH 676).—Breeder and vendor: Asgrow. Characteristics: very firm fruit. Resistance: fusarium wilt races 1 and 2. Similar: Flora-Dade. 1983.

Hunter (FMX 60431).—Breeder and vendor: Ferry-Morse. Characteristics: early square-round type with high solids, good consistency, very coarse foliage, fruit has light green shoulders, good interior color. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker; good tolerance to heat. Similar: UC 82. 1983.

Husky Gold (PSX 70087).—Breeder and vendor: Petoseed. Characteristics: bedding plant and home garden, golden fruited, rugose foliage, sturdy indeterminate dwarf. Resistance: verticillium wilt race 1, fusarium wilt race 1. 1990.

Husky Pink (PSR 113588).—Breeder and vendor: Petoseed. Characteristics: indeterminate dwarf, pink fruit, dark green rugose foliage. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker. 1990.

Husky Red (PSX 40084).—Breeder and vendor: Petoseed. Characteristics: rugose foliage, sturdy indeterminate dwarf, red fruited. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker. 1990.

Hy 337 (PSX 33790).—Breeder and vendor: Petoseed. Characteristics: 128 day maturity direct seed, processor, square-round 3.3 oz, medium viscosity, 5.5–6.5% soluble solids, medium large determinate plants, fairly concentrated set. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. 1985.

Hy 882 (PSP882).—Breeder and vendor: Petoseed. Characteristics: 125 day maturity direct seed, processor, 2.5 oz, blocky pear, medium viscosity, 5.4–6.2% soluble solids, excellent color, medium large determinate plants, concentrated set. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, alternaria stem canker, gray leaf spot, bacterial speck. 1986.

Hy 898-Layor (XPH 898).—Breeder and vendor: Asgrow. Characteristics: firm fruited F₁ hybrid for paste production or fresh market. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: Pacesetter 502. 1984.

Hy 5040 (XPH 5040).—Breeder and vendor: Asgrow. Characteristics: processor pear, whole peel type. Similar: Castlalong. Adaptation: Italy, California. 1985.

Hybrid 922 (FMX 922).—Breeder and vendor: Ferry-Morse. Characteristics: processing type with higher viscosity than hybrid 785, a round shaped, midseason maturity type. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker. Similar: Hybrid 785. 1988.

Hychimo (PSX124982).—Breeder and vendor: Petoseed. Characteristics: very deep globe, 5 oz or 160 g, green shoulder, jointed,

suitable for greenhouse and fresh market. Resistance: verticillium wilt race 1, nematodes, fusarium wilt race 1, tobacco mosaic virus. 1986.

Hypack 2409 (PS P2409).—Breeder and vendor: Petoseed. Characteristics: early maturity, 102–107 day maturity direct seed, high yields; excellent fruit quality for product pack, high solids, viscosity, and color. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: Hybrid 31. 1993.

Hypeel 219 (PSX P2196).—Breeder and vendor: Petoseed. Characteristics: excellent peeler, jointless stem character, early midseason maturity. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker, gray leaf spot. 1990.

Hypeel 287 (PS 28711).—Breeder and vendor: Petoseed. Characteristics: medium to large square-round, processor, peel-dice markets, improved quality. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, alternaria stem canker. Similar: Sun 5715. 1994.

Hypeel 562 (PS P56209).—Breeder and vendor: Petoseed. Characteristics: processing type; whole peel, dice and pear; outstanding fruit color, excellent disease resistance, good plant cover. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck. Similar: La Rossa. 1993.

Hypeel 696 (PS P696).—Breeder and vendor: Petoseed. Characteristics: high yields, uniform fruit with small stem scar, high peel recovery. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker, gray leaf spot. 1990.

Incas.—Breeder: Canners. Vendor: Nunhems. Characteristics: bush, processing type, fruit well protected by leaves, 20–90 g, jointless pedicels, uniform green. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. 1990.

Irene.—Breeder: Canners. Vendor: Nunhems. Characteristics: indeterminate plant type, early fruit, 170–190 g, slightly oblate green shoulder, fresh market and home garden. Resistance: tobacco mosaic virus, verticillium wilt race 1, fusarium wilt race 1. 1990.

Isola.—Breeder: Canners. Vendor: Nunhems. Characteristics: determinate bush, processing type, vigorous growth, uniform ripening, fruit 55–60 g, firm, uniform green shoulder, oval shape. Resistance: verticillium wilt race 1, fusarium wilt race 1, bacterial speck. 1990.

Jack (PSXGH340456).—Breeder and vendor: Petoseed. Characteristics: indeterminate plants, large, oblate fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus, gray leaf spot, alternaria stem canker. Similar: May. 1993.

Keno (FMX 98).—Breeder and vendor: Ferry-Morse. Characteristics: jointless fresh-market hybrid, high yielding, large fruited, firm, good flavor, smooth, good foliage cover, suitable for short stakes or bush culture. Resistance: nematodes, verticillium wilt race 1, fusarium wilt race 1, gray leaf spot, alternaria stem canker. 1988.

La Rossa (NVH 4762).—Breeder and vendor: Northrup King. Characteristics: pear-shaped processing type, fruit are firm with thick walls, excellent internal color, the locule number is usually two-three, vines are large, very vigorous with outstanding fruit color; use for whole peel, pear pack, slicing, dicing, wedging and sauce. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: Peto 1488, Castlestair, Castlelong, Marcero. 1986.

Largess (XPH 5205).—Breeder and vendor: Asgrow. Characteristics: summer, fall, tomato, early yield of large fruit. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes, gray leaf spot. Similar: Sonar, Sunny. 1987.

Lassan (CXD 101).—Breeder and vendor: Campbell. Characteristics: firm, round, midseason hybrid, high solids, compact vine. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: UC 204C. 1985.

Leading Lady (Sunex 6620).—Breeder and vendor: Sunseeds. Characteristics: fresh market, medium large, semi-determinate vine, jointed pedicel, uniform ripening, globe shaped fruit, 160–180 g, extremely firm fruit, small stem and blossom end scars. Resistance: verticillium wilt race 1, fusarium races 1 and 2, alternaria stem canker, gray leaf spot. Similar: Cobia. 1995.

Lemon Boy.—Breeder and vendor: Petoseed. Characteristics: 72 day maturity, lemon-colored fruit, deep globe, 6 oz or 170 g, green shoulder, large, indeterminate plants. Resistance: verticillium wilt

race 1, fusarium wilt race 1, nematodes, alternaria stem canker, gray leaf spot. Adaptation: home garden, local markets. 1984.

Libra (PSX GH40779).—Breeder and vendor: Petoseed. Characteristics: deep oblate, green shoulder, excellent color, slightly ribbed, medium to large sizes, large indeterminate plant for greenhouse or fresh market. Resistance: verticillium wilt race 1, tobacco mosaic virus. 1987.

Liri (XP 4052).—Breeder and vendor: Asgrow. Characteristics: very firm fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: UC 82. 1987.

Loteria (FMX 86).—Breeder and vendor: Ferry-Morse. Characteristics: midseason jointless pole type with smooth, firm, noncurly foliage, good fruit cover, light green shoulder. Resistance: cracking, verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. 1988.

Lucky Draw (FMX 55).—Breeder and vendor: Ferry-Morse. Characteristics: an extremely smooth fruited, jointless market tomato with medium early maturity and green shoulders while immature, the flavor is excellent. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. Similar: Florida-Dade. 1980.

Lucky Lady.—Breeder and vendor: Sunseeds. Characteristics: fresh market, medium-large vine, normal joint, uniform ripening, large, deep oblate fruit, very tight blossom end scar. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes, alternaria stem canker, gray leaf spot. Similar: Shady Lady.

Majesty (XPH 10010).—Breeder and vendor: Asgrow. Characteristics: extra-large, deep oblong, fresh-market hybrid medium-tall vigorous vine. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker. Similar: Sunbeam. 1995.

Marmande (XP4024).—Breeder and vendor: Asgrow. Characteristics: uniform selection of large fruit, green shoulders for protected culture. Similar: Marmande RAF. 1987.

Maxim PS (PSX 27281).—Breeder and vendor: Petoseed. Characteristics: deep globe for stake and bush culture, early, jointed pedicel, medium size determinate plants. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, alternaria stem canker, gray leaf spot; tolerance to some strains of southern bacterial wilt. 1985.

Maya (PS SM10).—Breeder and vendor: Petoseed. Characteristics: square type for fresh-market saladette type, firm fruit, good shelf life. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, bacterial speck. Similar: Peto 81. 1993.

Merced (NVH 4461).—Breeder and vendor: Northrup King. Characteristics: extremely smooth, large, deep globe-shaped fruit, typically has smooth blossom end and shoulders, fruit stems are jointed. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tobacco mosaic virus, gray leaf spot. Similar: Sunny, Jackpot. 1991.

MH VF 789 (FMX 789).—Breeder: and intro. Ferry-Morse. Characteristics: early processing hybrid for whole peeling, smooth uniform sized fruit with excellent interior color, high yielding, easy stemming. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker. Similar: 3202. 1983.

Micro-Gold (Fla. 7564).—Breeder and vendor: Univ. of Florida, Bradenton. Parentage: Fla. Petite, Fla. Basket, Ohio 4014-4, Ohio 4013-3 and several breeding lines. Characteristics: miniature-dwarf, determinate plant habit with small gold colored fruit, shoulders are uniform green in color. Resistance: fusarium wilt race 1, gray leaf spot. Adaptation: greenhouse culture in pots or hanging baskets. HortScience 30:643–644. 1995.

Micro-Tom (Fla. 7191).—Breeder: Univ. of Florida, Bradenton. Vendor: Royal Sluis. Parentage: Florida Basket x Ohio 4013-3. Characteristics: miniature dwarf, determinate plant habit with small 6 g fruit, shoulders are uniform green, early. Resistance: fusarium wilt race 1, gray leaf spot. Adaptation: greenhouse culture in small pots or hanging baskets. Fla. Agr. Expt. Sta. Circ. S-370. 1989.

Milagro (PSM36579).—Breeder and vendor: Petoseed. Characteristics: 71 day maturity, 6–7 oz or 170–200 g, deep oblate fruit, green shoulder, jointed, medium size determinate plants. Resistance: verticillium wilt race 1, nematodes, gray leaf spot, fusarium wilt races 1 and 2, alternaria stem canker, tobacco mosaic virus. 1986.

Miracle Sweet (PS 9101).—Breeder and vendor: Petoseed. Char-

acteristics: indeterminate, greenhouse type, small, 100–130 g, oblate, green shoulder. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes, tobacco mosaic virus. Similar: Moneymaker. 1994.

Mogambo (Sunre 6568).—Breeder and vendor: Sunseeds. Characteristics: medium vine size, extremely high percentage of grade 1, extra large fruit with excellent disease resistance. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, gray leaf spot. Similar: Celebrity. 1989.

Monaco (FMX 104A).—Breeder and vendor: Ferry-Morse. Characteristics: jointless, market hybrid for bush or short stake production, fruit is large, smooth firm, better fruit set and earlier maturity than Keno. Resistance: fusarium wilt races 1 and 2, nematodes, verticillium wilt race 1, gray leaf spot, fair to cracking. Similar: Sweepstakes. 1990.

Mountain Belle (NC 8642D).—Breeder: North Carolina State Univ., Fletcher. Vendor: Rogers. Parentage: NC 1C x NC 2C. Characteristics: F₁ hybrid, cherry, determinate, midseason, jointless pedicel, uniform green shoulders. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: eastern United States and Canada. HortScience 28:349–350, 1993. 1990.

Mountain Delight (NC 84100).—Breeder: North Carolina State Univ., Fletcher. Vendor: Petoseed Co. Parentage: Piedmont x NC 8288. Characteristics: F₁ hybrid, fresh market, large determinate, mid-late season, uniform green, flat-round, medium-large fruit. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. Similar: Mountain Pride but shorter vine and larger fruit. HortScience 25:989–990, 1990. 1987.

Mountain Fresh (NC 88289, STEP 724).—Breeder: North Carolina State Univ. Vendor: Ferry-Morse. Parentage: NC 84173 x NC 109. Characteristics: F₁ hybrid, fresh market, tall determinate, light green shoulders, smooth blossom scar, large size, flattened globe. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. Adaptation: eastern United States. 1992.

Mountain Gold.—Breeder: North Carolina State Univ., Fletcher. Vendor: Rogers. Parentage: UF-D78044, Piedmont, NC 8288. Characteristics: fresh market, tall determinate, uniform green shoulders, medium-large fruit, flattened globe, firm, yellow-orange color. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. HortScience 28:348–349, 1993. 1990.

Mountain Pride (NC 7984).—Breeder and vendor: North Carolina State Univ., Fletcher. Parentage: Cherokee x NC 50-7. Characteristics: F₁ hybrid, fresh market, large, determinate, late season, medium-large, flat-round fruit. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. Adaptation: southeastern United States. HortScience 17:92–93, 1982. 1981.

Mountain Spring (NC 87127, STEP 710).—Breeder: North Carolina State Univ., Fletcher. Vendor: Rogers. Parentage: NC 8276 x NC 84173. Characteristics: F₁ hybrid, fresh market, determinate, early-midseason, light green shoulders, large, deep oblate, very firm fruit. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. Adaptation: eastern United States. HortScience 27:1233–1234, 1992. 1990.

Mountain Supreme (NC 87294, STEP 714).—Breeder: North Carolina State Univ. Vendor: Asgrow. Parentage: NC EBR3 x NC EBR4. Characteristics: F₁ hybrid, fresh market, tall determinate, late season, medium size, light green shoulders, deep oblate. Resistance: early blight, *Alternaria solani*, fusarium wilt races 1 and 2, verticillium wilt race 1. Adaptation: eastern United States. 1992.

Nahomi (NVH 4475).—Breeder and vendor: Rogers. Characteristics: bacterial wilt resistant, globe shape, 71 day maturity, determinate, green shouldered. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, bacterial wilt. Similar: Capitan. 1993.

Nema 1200.—Breeder and vendor: Petoseed. Characteristics: 108 day maturity direct seeded, processor, firm round peeler, 2.9 oz, apple green shoulder, medium viscosity, 5.1–6.1% soluble solids, medium size determinate plants, concentrated set. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, gray leaf spot. 1985.

Nema 1201.—Breeder and vendor: Petoseed. Characteristics: 74 day maturity transplant, processor, square 1.9 oz or 54 g, uniform green shoulder, medium viscosity, 4.5–5.7% soluble solids, medium determinate plants, concentrated sets, jointless. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, bacterial speck, gray leaf

spot, alternaria stem canker, nematodes. 1985.

Nema 1400.—Breeder and vendor: Petoseed. Characteristics: 117 day maturity direct seed, processor, round peeler, 3.2 oz, uniform green, medium viscosity, 5.4–6.4% soluble solids, medium large determinate plant, concentrated set. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, gray leaf spot. 1985.

Nema 1401.—Breeder and vendor: Petoseed. Characteristics: 118 direct seed, processor, blocky 3 oz, uniform green, medium high viscosity, 5.3–6.3% soluble solids, medium large determinate plants, concentrated set. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, alternaria stem canker. 1985.

Neptune (Fla. 7421).—Breeder and vendor: Univ. of Florida, Bradenton. Parentage Hawaii 7997, Florida 1C, Campbell 28, CI 11d, and Walter. Characteristics: tolerance to heat, fresh-market type, determinate vine, early, medium size, flat-round fruit, medium-firm, light-green shoulders, irregular blossom scars. Resistant to fusarium wilt races 1 and 2, verticillium wilt race 1, gray leaf spot; tolerance to bacterial wilt. Adaptation: Florida. HortScience 30:641–642. 1995.

New Ida (208-2-88).—Breeder and vendor: the Univ. of New Hampshire. Characteristics: very early determinate, open, fruit golden (*tangerine*), elongate, 65–70 g, firm, meaty, small core, no blotch, no blossom scar. Resistance: verticillium wilt race 1, fusarium wilt race 1, moderate to cracking. Similar: Idagold. Adaptation: northerly short season areas.

Nodak.—Breeder and vendor: Idaho Agr. Expt. Sta., Moscow. Parentage: P109 x Sub-Arctic Early. Characteristics: short determinate vine, very early season, medium-large fruit, cold tolerance. Adaptation: home and market gardens in cool growing areas. North Dakota Farm Research 47:14–15. 1989.

Norcal (UC 204-C).—Breeder and vendor: Petoseed. Characteristics: uniform round fruit, medium to firm, good processing quality. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. 1990.

Northern Delight.—Breeder and vendor: Idaho Agr. Expt. Sta., Moscow. Parentage: Pixie x Sub-Arctic Early. Characteristics: short determinate vine, very early season, small fruit, cold tolerance. Adaptation: home and market gardens in cool growing areas. North Dakota Farm Research 47:14–15. 1989.

Ohio 736 (OA1800-3).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: [(Heinz 1630 x VF 145-B-7879)F₃ x Campbell 28] x Ohio 2070. Characteristics: early-season processing tomato, small-medium prostrate vine, globe shaped 85 g fruit, small stem scar and core, uniform ripening (*u*) determinate. Resistance: fusarium wilt race 1; tolerance to verticillium wilt races. Adaptation: the midwest and eastern United States and Canada. 1977.

Ohio 832 (O7868).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: Purdue 7323 x [(VF34) x ((UC98 x Campbell 28) x (Ohio 2170 x VF Roma))] F₆. Characteristics: early to main season processing tomato, medium upright to semi-prostrate vine, determinate (*sp*), blocky to plum shaped 95 g fruit, small stem scar and core, uniform ripening (*u*), crimson (*ogc* from Purdue 7323). Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the midwest, eastern United States, and Canada. 1986.

Ohio 2070.—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: Campbell 28 x VF99. Characteristics: early-season processing tomato, small-medium prostrate vine, determinate, round 90 g fruit, large core, medium stem scar, uniform ripening (*u*). Resistance: fusarium wilt race 1. Adaptation: the midwest, eastern United States and Canada. 1973.

Ohio 2170.—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: Campbell 28 x Heinz 1630. Characteristics: early-season processing tomato, small-medium prostrate vine, determinate, round 90 g fruit, large core, medium stem scar, uniform ripening (*u*). Resistance: fusarium wilt race 1. Adaptation: the midwest, eastern United States and Canada. 1973.

Ohio 2470.—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: Campbell 28 x Cold Set. Characteristics: early-midseason processing tomato, small-medium semi-prostrate vine, determinate, round 100 g fruit, large core, medium stem scar, uniform ripening (*u*). Resistance: fusarium wilt race 1. Adaptation: the midwest, eastern United States and Canada. 1973.

Ohio 7663 (E1084).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: [(Ohio 2070 x Campbell 28) x Florida 2125-D1-S2] F₅. Characteristics: early-main season processing tomato developed for machine harvest, semi-prostrate vine, oval shaped 60 g fruit, small stem scar and core, uniform ripening (*u*), determinate, jointless pedicel (*j*₂). Resistance: fusarium wilt race 1; tolerance to verticillium wilt race 1. Adaptation: the midwest and eastern United States. 1979.

Ohio 7681 (E2524-1).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: (Ohio 2170 x Bouncer) x (Campbell 28 x Heinz 1547) x [(Campbell 28 x Heinz 1547) x Roma VF] F₅. Characteristics: early-main season processing tomato, semi-prostrate vine, blocky-deep globe shaped 117 g fruit, uniform ripening (*u*), determinate. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the midwest and eastern United States. 1981.

Ohio 7814 (OH871-3).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: C37 x [(VF34) x ((UC98 x C28) x (Ohio 2170 x VF Roma))] F₆. Characteristics: early-season processing tomato, medium-small prostrate vine, blocky to plum shaped fruit, small stem scar and core, jointless pedicel (*j*₂), uniform ripening (*u*), determinate. Resistance: fusarium wilt race 1. Adaptation: the midwest and eastern United States and Canada. 1982.

Ohio 7870 (OH1657-1).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: {(Ohio 736 x Ohio 2070) x [(VF34) x (UC98 x Campbell 28) x (Ohio 2170 x VF Roma)]} F₆. Characteristics: early-main season processing tomato, medium vine, plum shaped 100 g fruit, uniform ripening (*u*), determinate. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the midwest and eastern United States and Canada. 1981.

Ohio 7983 (K2365-1).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: {C37 x [(VF34) x ((UC98 x C28) x (Ohio 2170 x VF Roma))]} F₆. Characteristics: early-season processing tomato, medium to small semi-prostrate vine, ovate to plum shaped 56 g fruit, small stem scar and core, jointless pedicel (*j*₂), uniform ripening (*u*), determinate. Resistance: fusarium wilt race 1; tolerance to verticillium wilt race 1. Adaptation: the midwest and eastern United States and Canada.

Ohio 8243 (A2905).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: [OH871-3 x (C37 x Ohio 7681)] F₆. Characteristics: main season processing tomato, medium upright to semi-prostrate vine, blocky to plum shaped 55 g fruit, small stem scar and core, jointless pedicel (*j*₂), uniform ripening (*u*), determinate. Resistance: fusarium wilt race 1; tolerance to verticillium wilt race 1. Adaptation: the midwest and eastern United States and Canada. 1988.

Ohio 8245 (OA 2944).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: (Ohio 7870 x Heinz 722) F₆. Characteristics: main season processing tomato, upright to semi-prostrate vine, blocky 60 g fruit, small stem scar and core, jointless pedicel (*j*₂), uniform ripening (*u*), determinate. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the midwest and eastern United States and Canada. 1991.

Ohio 8556 (F1511).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: {Ohio 7814 x [Ohio 7870 x (H871-3 x (PU 76-88 x OHH1179))]} F₆. Characteristics: main season processing tomato, upright to semi-prostrate vine, ovate 56 g fruit, small stem scar and core, fruit color is crimson (*ogc*), jointless pedicel (*j*₂), uniform ripening (*u*), determinate. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the midwest United States, Canada. 1993.

Ohio OX38.—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage Ohio 8245 x Ohio 88119 [(Heinz 722 x Heinz 2653 (F5)) x (Ohio 7870 x OK1483-3 (F5))]. Characteristics: F₁ hybrid, main season processing tomato, medium vine, determinate, ovate to plum shaped 54 g fruit, uniform ripening (*u*), jointless (*j*₂). Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the midwest, eastern United States, Canada, Australia. 1995.

Oregon Pride (OSU T77-15-1).—Breeder and vendor: Oregon State Univ. Characteristics: parthenocarpic and large fruited, very

solid, paste type, early maturity. Resistance: verticillium wilt race 1. Similar: Roma. 1992.

Oregon Star (OSU T77-15-2).—Breeder and vendor: Oregon State Univ. Characteristics: parthenocarpic, large fruited, very solid, paste type, medium early maturity. Resistance: verticillium wilt race 1. Similar: Roma, but much larger and earlier. 1992.

Orion (HMX 9853).—Breeder and vendor: Harris Moran. Characteristics: nematode resistant UC204 type tomato. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes. Similar: HM 3075. 1991.

Oroma (OSU S-129).—Breeder and vendor: Oregon State Univ. Characteristics: early maturing paste tomato, fruit is firm, easy picking and peeling, cylindrical with pronounced styler projection, keeps well on and off plant, determinate plant. Similar: Roma. 1993.

Ozark Pink (GJ80-3M).—Breeder and vendor: Univ. of Arkansas, Fayetteville. Parentage: 75-18-3 x Traveler 76. Characteristics: fresh-market type, vigorous, indeterminate vine, flattened globe, uniform green shoulders, pink fruit color, good flavor for local markets. Resistance: cracking, fusarium wilt race 1, verticillium wilt race 1. Adaptation: Arkansas. Similar: Traveler 76. HortScience 24:712–713. 1989.

Pampas (XPH 5207).—Breeder and vendor: Asgrow. Characteristics: deep globe shaped fruit with dark green shoulders. Resistance: verticillium wilt race 1, gray leaf spot, nematodes. Similar: Early Pak 7. 1986.

Passion.—Breeder and vendor: Petoseed. Characteristics: good flavor and fruit size. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. 1992.

Peelbrite 1648 (1648).—Breeder and vendor: Orsetti Seeds. Characteristics: processing hybrid with early maturity, very good peeling quality, round shape, firm, good production, good color and flavor. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. 1986.

Piedmont (NC 7990, STEP 670).—Breeder and vendor: North Carolina State Univ., Fletcher. Characteristics: fresh market, large determinate vine, late season, uniform green shoulders, medium large, flat-round fruit. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. Adaptation: southeastern United States. HortScience 20:960–961. 1985. PVP. 1984.

Pik Ripe 193LSL (PS193).—Breeder and vendor: Petoseed. Characteristics: determinate, compact plant, uniform green fruit, jointed, very firm, early to main season. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. Similar: Devine Ripe, Nazera 814. 1994.

Pik Ripe 747LSL (PS747).—Breeder and vendor: Petoseed. Characteristics: fresh market, globe shaped, mid-large, 160–190 g, uniform green, jointed, extra firm, determinate, tall vigorous, 72–74 day maturity. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tobacco mosaic virus, alternaria stem canker, gray leaf spot. Similar: Devine Ripe, Nazera 814. 1994.

Pik Ripe 748LSL (PS748).—Breeder and vendor: Petoseed. Characteristics: fresh market, large globe shape, 180–200 g, uniform green, jointed, extra firm, determinate, 76 day maturity. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tobacco mosaic virus, alternaria stem canker, gray leaf spot. Similar: Devine Ripe, Nazera 814. 1994.

Pink Girl.—Breeder and vendor: Petoseed. Characteristics: 76 day maturity, smooth pink-fruited, red flesh 8 oz or 230 g, deep oblate, green shoulder, large indeterminate plants. Resistance: verticillium wilt race 1, fusarium wilt race 1, gray leaf spot, alternaria stem canker. Adaptation: home gardens. 1984.

Plum Dandy (NC 9380).—Breeder: North Carolina State Univ., Fletcher. Vendor: Ferry-Morse. Parentage: NC EBR-5 x NC EBR-6. Characteristics: F₁ hybrid, fresh market plum, compact determinate, midseason plum, light green shoulder. Similar: Peto 882. Resistance: fusarium wilt race 1, verticillium wilt race 1, moderate to early blight, *Alternaria solani*. Adaptation: eastern United States. 1996.

Prairie Dawn (IA 10009, STEP 742).—Breeder and vendor: Iowa State Univ., Ames. Parentage: (Campbell 28 x Duke) F₁₀. Characteristics: fresh-market type, determinate vine, midseason, uniform shoulder color, deep oblate fruit. Resistance: cracking, fusarium wilt race 1, verticillium wilt race 1. Adaptation: Iowa. HortScience 31:292, 1996. 1995.

Prairie Pastemaker (IA 11008).—Breeder and vendor: Iowa State Univ., Ames. Parentage: (Heinz 722 x Ontario 7710) F₁₁. Characteristics: processing type, small determinate vine, early to midseason maturity, egg-shaped fruit, light-green shoulders, jointless pedicels. Resistance: fusarium wilt race 1, verticillium wilt race 1, bacterial speck. Adaptation: Iowa. HortScience 31:293, 1996. 1995.

Prairie Schooner (IA 11003).—Breeder and vendor: Iowa State Univ., Ames. Parentage: (Droplet x Ontario 7710) F₁₁. Characteristics: cherry tomato, determinate vine, early season, uniform green shoulders. Resistance: fusarium wilt race 1, verticillium wilt race 1, bacterial speck. Adaptation: Iowa, North Carolina. HortScience 31:291, 1996. 1995.

Processor 40.—Breeder and vendor: Texas Agr. Expt. Sta., Weslaco. Characteristics: processing tomato for peeled whole products, small determinate vine, stiff stems hold fruit off ground, slightly elongated, square round fruit, jointless pedicels, uniform shoulders, heat tolerant fruit set. Resistance: fusarium wilt race 1, gray leaf spot; tolerance to heat. Adaptation: southern Texas. Similar: Chico 3. HortScience 21:159–160, 1986. 1982.

Processor 278.—(P-278).—Breeder and vendor: Texas Agr. Expt. Sta., Weslaco. Parentage: selection of 5737M. Characteristics: processing type, small determinate vines, slightly elongated, cylindrical fruit, jointless pedicels, heat tolerant fruit setting ability. Resistance: fusarium wilt race 1, southern blight, *Sclerotium rolfsii*, gray leaf spot; tolerance to heat. Adaptation: southern Texas, northern Mexico. HortScience 28:346–347. 1993.

Puebla (PSX SM 21).—Breeder and vendor: Petoseed. Characteristics: saladette, Roma type, elongated cylindrical fruit, medium-large determinate plant. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes, bacterial spot. Similar: Hybrid 882. 1994.

Quinte (ST-19).—Breeder: Agriculture Canada Smithfield Expt. Farm, Trenton. Vendor: Stokes Seeds, Johnny's Selected Seed. Characteristics: fresh-market type with a strong determinate vine, oblate, uniform green shoulder, crimson fruit color, midseason maturity. Resistance: verticillium wilt race 1. Adaptation: eastern Ontario, Canada, northeastern United States. Similar: Moira. HortScience 20:959–960, 1985. 1975.

Radosa (Nun 5174).—Breeder: Cannors. Vendor: Nunhems. Characteristics: processing tomato, determinate bush, fruit 80–90 g, jointed, uniform green fruit. Resistance: verticillium wilt race 1, fusarium wilt race 1. 1989.

Ranger (Nun 6426).—Breeder: Cannors. Vendor: Nunhems. Characteristics: processing type, determinate bush, vigorous growth, 70–80 g per fruit, jointless and uniform green, oblong cylindrical shape, paste and peeling type. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes. 1989.

Red Century 32 (I7098).—Breeder and vendor: Orsetti Seeds. Characteristics: indeterminate processing type with exceptional color and firmness for a 115 day tomato, good results for whole peel and dice use, very good soluble solids. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, bacterial speck. 1976.

Red Sun (JTO 23694).—Breeder: Johnny's. Vendor: Petoseed. Characteristics: large globe fruit, midseason maturity. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. Similar: Celebrity, Daybreak. 1995.

Redpak (NFHF).—Breeder and vendor: Harris Moran. Characteristics: second early, large extra firm fruit on a open compact plant, fruit has excellent shelf life when picked at mature red stage. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. 1974.

Red-Set-Go 28 (I3028).—Breeder and vendor: Orsetti Seeds. Characteristics: processing hybrid, determinate, benefits to grower and processor, very good field performance, exceptional high color and quality for multiuse. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes. 1994.

Reno (FMX 52).—Breeder and vendor: Ferry-Morse. Characteristics: very smooth, medium early, market hybrid with high yields. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker; good tolerance to heat. Similar: Full House. 1983.

Roulette (#60).—Breeder and vendor: Ferry-Morse. Characteristics: firm, large fruited, fresh-market hybrid for bush culture, high

yields of uniform ripening fruit for grower-shippers, it has firmer fruit and more disease resistance than Full House. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, gray leaf spot. Similar: Full House. 1982.

Royal Mountie (NC9027).—Breeder and vendor: North Carolina State Univ. Characteristics: high quality early maturing cultivar with a potential for higher early season yields than current cultivars, uniform green non-ripe fruit, firm, good exterior and interior color. Resistance: cracking, verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: Pik Red, Sunrise, Mountain Spring. 1995.

Royal Red Cherry (76VFTI).—Breeder and vendor: Univ. of California, Davis. Parentage: (Large Red Cherry x 70T99). Characteristics: indeterminate vine, early-midseason maturity, 3.1–3.5 cm fruit. Resistance: fusarium wilt race 1, verticillium wilt race 1, tobacco mosaic virus, alternaria stem canker. Similar: Large Red Cherry, Jumbo Cherry. HortScience 15:98. 1980.

Salvador.—Breeder: Rogers. Vendor: Sluis and Groot Seeds. Characteristics: indeterminate, compact, vigorous plant with firm, medium fruit average 180 g. Resistance: bacterial canker. 1994.

San Marino (E0208A).—Breeder and vendor: Ferry-Morse. Characteristics: medium early pear tomato for whole peel pack and paste, medium size vine with curly foliage, the fruit is blocky, uniform ripening, highly colored. Resistance: fusarium wilt race 1, high to fruit cracking; tolerance to early blight. Similar: Napoli. 1975.

San Quinton (XPH 5299).—Breeder and vendor: Asgrow. Characteristics: good yields of large fruit for multiple harvests. Resistance: verticillium wilt race 1, fusarium wilt race 1. Similar: Humaya. 1987.

Santa (Idaho 39-2).—Breeder and vendor: Univ. of Idaho, Moscow. Parentage: (Payette x Uniset) selection x Early Sub-Arctic. Characteristics: determinate, ultra-early maturity concentrated fruit set, sparse foliage, cold tolerance, slightly oblong, 3–5 cm fruit, orange-red color. Adaptation: cool summer areas. Similar: Sub-Arctic varieties. HortScience 15:536–537. 1980.

Santa Fe (NVH 4468).—Breeder and vendor: Northrup King. Characteristics: blocky square to slightly square-round fruit, jointless pedicel, green shoulder, good color and firmness. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tobacco mosaic virus, gray leaf spot, bacterial speck, *Cladosporium* leaf mold races a, b, c. Similar: Santa Cruz, Kada, Rio Grande. 1991.

Santiago (NVH 4465).—Breeder and vendor: Northrup King. Characteristics: very large globe to slight flattened globe shaped fruit, smooth with good color. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tobacco mosaic virus, alternaria stem canker. Similar: Sunny, Celebrity, Jackpot, Bingo. 1991.

Saucy (OSU S-131).—Breeder and vendor: Oregon State Univ. Characteristics: early maturing paste tomato, very compact determinate plant, fruit blocky plum shape, easy picking and peeling, keeps well on and off plant. Similar: Roma. 1993.

Season Opener (806).—Breeder and vendor: Orsetti Seeds. Characteristics: processing hybrid, early maturity, round shape for peeling and product use, very good vine quality provides good protection, high yields. Resistance: fusarium wilt race 1, verticillium wilt race 1. 1989.

Shady Lady (Sunre 6559).—Breeder and vendor: Sunseeds. Characteristics: determinate bush is very sturdy and does not fall open under fruit weight, excellent set of large and extra large fruit. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker, gray leaf spot. Similar: Blazer. 1989.

Short Red Cherry (76T164).—Breeder and vendor: Univ. of California, Davis. Parentage: (70T99 x PI 280597). Characteristics: indeterminate with short internodes due to brachytic gene, rugose leaves, 2–2.5 cm fruit, early season. Resistance: fusarium wilt race 1, verticillium wilt race 1, tobacco mosaic virus, alternaria stem canker, root-knot nematodes. HortScience 15:98. 1980.

Sierra Sweet (79N88).—Breeder and vendor: Univ. of California, Davis. Characteristics: fresh-market type, determinate vine, globe shaped, uniform shoulder color, orange-red fruit, high soluble solids content, midseason maturity. Resistance: fusarium wilt race 1, verticillium wilt race 1, root-knot nematodes. Adaptation: fall production in California. HortScience 19:133. 1984.

Siletz (OSU 165).—Breeder and vendor: Oregon State Univ. Characteristics: early fruit set and seed set, seedlessness, large average

size for early variety, determinate habit. Resistance: verticillium wilt race 1. Similar: Oregon Spring. 1994.

Silverado (FMX 951).—Breeder and vendor: Ferry-Morse. Characteristics: high yielding pear type hybrid, medium early, medium sized vine, good foliage color, fruit harvests essentially stem-free, has good firmness and color. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker. Similar: Macero 2. 1990.

Simba (PS 185).—Breeder and vendor: Petoseed. Characteristics: large fruited, indeterminate garden and greenhouse tomato, vigorous, very flavorful. Resistance: cracking, verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. 1990.

Small Wonder.—Breeder and vendor: Idaho Agr. Expt. Sta., Moscow. Parentage: ND102 x Sub-Arctic Early. Characteristics: short determinate cherry tomato, very early season, cold tolerance, bright red fruit. Adaptation: home and market gardens in cool growing areas. North Dakota Farm Research 47:14–15. 1989.

Smithbright (ST-180).—Breeder and vendor: Smithfield. Characteristics: early, pick your own type, firm with good holding ability. Resistance: verticillium wilt race 1, fusarium wilt race 1. Similar: TH 318. 1993.

Snake (XPH 5473).—Breeder and vendor: Asgrow. Characteristics: elongated pear type, average weight 65 g, L/D ratio is 1.70, medium-large plant, very vigorous. Resistance: verticillium wilt race 1, fusarium wilt race 1. Similar: Hypeel 244, Bandera, Loira. 1989.

Solar Set (Fla. 7164).—Breeder: Univ. of Florida, Bradenton. Vendor: Asgrow. Parentage: Fla 7171 x Fla 7060. Characteristics: F₁ hybrid, fresh-market type, determinate vine, early-midseason, medium-large, flat-round fruit, firm. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, gray leaf spot; tolerance to heat. Adaptation: fall crops in Florida, southeastern United States. Fla. Agr. Expt. Sta. Circ. S-359. 1989.

Solido (Nun 5062).—Breeder: Cannons. Vendor: Nunhems. Characteristics: bush type, fresh-market fruit, 150–160 g, jointed, green shoulder, deep red when mature. Resistance: tobacco mosaic virus, verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, gray leaf spot. 1990.

Solimar (XPH 5796).—Breeder and vendor: Asgrow. Characteristics: fresh market, large fruited, globe shape, midseason maturity. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. Similar: Sunny. 1992.

Sonar (XPH 5498).—Breeder and vendor: Asgrow. Characteristics: large fruit, high yielding fresh-market hybrid, fruit are smooth, globe shaped, firm, have green shoulders. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker. Similar: Pakmor. 1987.

Spectrum 151 (PSX P15196).—Breeder and vendor: Petoseed. Characteristics: high soluble solids, high yield, vigorous plant. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. 1990.

Spectrum 385 (PSP 38591).—Breeder and vendor: Petoseed. Characteristics: rugged variety, high quality, pear shaped fruit, high soluble solids, excellent whole peel characteristics. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck. 1990.

Spectrum 579 (PSX P57994).—Breeder and vendor: Petoseed. Characteristics: high viscosity, medium solids, firm fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck. 1990.

Spitfire (FMX 157).—Breeder and vendor: Ferry-Morse. Characteristics: medium early, uniform green, crimson gene type, earlier with larger and firmer fruit than Sunny. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot. Similar: Sunny. 1990.

Springfield (FMX 174).—Breeder and vendor: Ferry-Morse. Characteristics: leaves are broad and dark green providing excellent cover, the vine is determinate, size is large, fruit are firm, globe shaped, fruit size is distributed better medium-large. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tobacco mosaic virus, gray leaf spot, alternaria stem canker. Similar: Sunny, Shady Lady, Sunbelt. Adaptation: California, Florida. 1995.

Stanislans 55 (I7055).—Breeder and vendor: Orsetti Seeds. Characteristics: processing hybrid, similar to Halley 3155 but 10 days earlier and nematode resistant. Resistance: fusarium wilt races 1 and

2, verticillium wilt race 1, nematodes. Similar: Halley 3155. 1997.

Stella (XPH 5976).—Breeder and vendor: Asgrow. Characteristics: a saladette type, full season maturity for stake or ground culture. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, bacterial speck. 1993.

Sugar Daddy (79050).—Breeder and vendor: Petoseed. Characteristics: cherry type, sweet flavor. Resistance: fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. Similar: Cherry Grande. 1995.

Summit (NC 7993-5-39-1W-1R STEP 671).—Breeder and vendor: North Carolina State Univ., Fletcher. Characteristics: fresh market, large determinate, late season maturity, jointless pedicel, medium-large, round fruit. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. Adaptation: southeastern United States. HortScience 20:787, 1985. 1984. PVP.

Sun Leaper (NC 92191, STEP 744).—Breeder: North Carolina State Univ., Fletcher. Vendor: Rogers. Parentage: NC HS-1 x NC 84173. Characteristics: F₁ hybrid, fresh-market type, determinate, light green shoulder, medium-large, flattened globe, firm. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1; tolerance to heat. Adaptation: eastern North Carolina. 1996.

Sunbeam (XPH 5628).—Breeder and vendor: Asgrow. Characteristics: higher percent pack of large and extra large fruit than Sunny. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. Similar: Sunny. 1990.

Sunbolt (XPH 5752).—Breeder and vendor: Asgrow. Characteristics: large fruited main season, best suited for mature green pick, stake or ground culture adapted. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker. Similar: Sonar. 1991.

Sunbrite (XPH 10009).—Breeder and vendor: Asgrow. Characteristics: second early large fruited vine ripe hybrid for ground or short stake culture. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. Similar: Sunbeam. 1992.

Suncoast (Fla. 7065).—Breeder and vendor: Univ. of Florida, Bradenton. Parentage: complex-Walter, Purdue Crimson, Florida and California breeding lines. Characteristics: fresh market, early-midseason, determinate vine with erect foliage, large, firm, globe shaped fruit with even ripening; light green shoulders, crimson (*ogc*) color. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, gray leaf spot. Adaptation: home gardens in southeastern United States. Fla. Agr. Expt. Sta. Circ. S-322, 1985. 1984.

Sundance (87-29).—Breeder and vendor: Sakata. 1990. Characteristics: jointless hybrid, determinate plant habit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes. Similar: Bonita. 1990.

Sunglobe (XPH5741).—Breeder and vendor: Asgrow. Characteristics: a large fruited ground culture type. Resistance: verticillium wilt race 1, alternaria stem canker, tobacco mosaic virus. Similar: Jackpot. Adaptation: green pick in California during summer. 1992.

Sunjay (XPH 5795).—Breeder and vendor: Asgrow. Characteristics: jointless, fresh-market, large fruited type for stake culture and mature green pick. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, alternaria stem canker, gray leaf spot. Similar: Olympic. 1991.

Sunmaster (PS805588).—Breeder and vendor: Petoseed. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot; tolerance to heat. Similar: Heatwave. 1993.

Sunride (XPH 5626).—Breeder and vendor: Asgrow. Characteristics: medium sized, fresh-market vine ripe type for stake culture in the main crop maturity group. Resistance: fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot, verticillium wilt race 1. Similar: Mountain Pride. 1992.

Sunrise (XPH 5551).—Breeder and vendor: Asgrow. Characteristics: high quality, very productive, jointless pedicel, early maturity, fresh-market hybrid for the Midwest and Northeast United States. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot. Similar: Flash. 1989.

Super 528 (I1528).—Breeder and vendor: Orsetti Seeds. Characteristics: processing hybrid, square-round shape, for whole peel and dicing, excellent quality, large vine, exceptional cover, high solids.

Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes. 1996.

Super Chief (SD87-13).—Breeder: South Dakota State Univ., Brookings. Vendor: Gurneys Seed and Nursery Co. Characteristics: fresh-market hybrid, determinate vine, early season, uniform green shoulders, flattened globe, uniform ripening, large size. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: South Dakota. HortScience 28:959–960. 1993.

Super K.—Breeder: Cody Flower. Vendor: Sunseeds. Similar: Beefsteak. 1990.

Super Marzano (PSX 309686).—Breeder and vendor: Petoseed. Characteristics: fruit are large, long, pear shaped, weight ≈4 oz, green shouldered, maturity is midseason, plants are indeterminate, quite large, have very good disease resistance. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes, tobacco mosaic virus, bacterial speck. Similar: San Marzano. 1992.

Superb Hybrid (201-5-88).—Breeder and vendor: Univ. of New Hampshire. Characteristics: compact, excellent cover, uniform unripe, ripe color deep red, fruit weight 185–220 g, no cracking, very firm, no blotch, 1 week earlier than Valley Girl. Resistance: verticillium wilt race 1. Similar: Valley Girl. 1995.

Supersweet 100 (NVH 4353).—Breeder and vendor: Northrup King. Characteristics: cherry type ≈1" diameter, indeterminate variety, staked plants produce several long, multiple branched clusters containing 100 or more fruit. Resistance: verticillium wilt race 1, fusarium wilt race 1. Similar: Sugar Lump, Sweet 100. 1986.

SureFire (GS12).—Breeder: Northrup King. Vendor: Goldsmith. Characteristics: firm, round-fruited hybrid that is a consistent, early producer of high yields, average three fruit per lb. Resistance: verticillium wilt race 1, fusarium wilt race 1. 1992.

Sweepstakes (FMX93).—Breeder and vendor: Ferry-Morse. Characteristics: medium early, easy stemming large fruited fresh-market hybrid for short stakes or bush production. Resistance: verticillium wilt race 1, fusarium wilt race 1, tobacco mosaic virus, nematodes, alternaria stem canker. Similar: Bingo. 1987.

Sweet Quartz (MS5).—Breeder and vendor: Sakata. Characteristics: cherry tomato with excellent taste, disease free. Resistance: tobacco mosaic virus, fusarium wilt race 1, gray leaf spot, *Cladosporium* gray leaf mold.

Tango (NVH4467).—Breeder and vendor: Northrup King. Characteristics: large, deep globe, uniform green shoulders, jointed pedicels, fruit have been smooth with good blossom ends, excellent interior qualities, good red color. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tobacco mosaic virus, alternaria stem canker, gray leaf spot. Similar: Celebrity, Sunny, Bingo, Blazer. 1991.

Temprano (XPH 5922).—Breeder and vendor: Asgrow. Characteristics: very early square-round type for whole peel-dice. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker. Similar: Heinz 8773. 1992.

Tenna (XP 4054).—Breeder and vendor: Asgrow. Characteristics: UC 82 plant type, 120–150 g fruit size, very firm, full season, hand harvest or machine. Resistance: verticillium wilt race 1, fusarium wilt race 1. Similar: UC 82. 1987.

Tierra (HMX 6841).—Breeder and vendor: Harris Moran. Characteristics: bears firm, round fruit 110–118 day maturity from planting, fruit quality is excellent for processing; firm rounds are used for paste, whole processing, and diced products. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes.

Tres Rios (XPH 5376).—Breeder and vendor: Asgrow. Characteristics: large, smooth fruit in second and third harvests. Resistance: tobacco mosaic virus, fusarium wilt races 1 and 2, verticillium wilt race 1, gray leaf spot, alternaria stem canker. Similar: Humaya, Pacific. 1990.

Trojan (XPH 5810).—Breeder and vendor: Asgrow. Characteristics: a whole peel processing pear type, excellent color. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, nematodes. Similar: Roma. 1991.

Tuckcross 756P.—Breeder and vendor: Univ. of Missouri, Columbia. Parentage: (Ohio WR25 x Missouri 765) x Purdue 110. Characteristics: three-way hybrid fresh-market type, early season, indeterminate with sparse open plant habit. Resistance: fusarium wilt

race 1, *Cladosporium* leaf mold race 3; tolerance to cracking. Adaptation: greenhouses in northern United States, Canada. HortScience 16:230–231. 1981.

Veepick (V716).—Breeder: Hort. Res. Inst., Simcoe, Ontario. Vendor: Stokes Seeds. Characteristics: paste tomato, prostrate, determinate vine, midseason maturity, long oval fruit, uniform green shoulders, pale exterior color, excellent internal color. Resistance: fusarium wilt race 1, verticillium wilt race 1. Similar: San Marzano. Can. J. Plant Science 61:769–770. 1981.

Vega (HMX 6935).—Breeder and vendor: Harris Moran. Characteristics: bears blocky, round fruit 125–150 day maturity from planting, excellent yield is used primarily for paste product. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. 1991.

Vegas (FMX 70).—Breeder and vendor: Ferry-Morse. Characteristics: jointless fresh-market hybrid with very concentrated set of uniform green, firm, smooth, thick walled fruit, medium sized vine, determinate, curly foliage, early maturity, machine harvest capability. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. Similar: Jackpot, Blazer, Duke. 1982.

Viva Italia (PSX 88288).—Breeder and vendor: Petoseed. Characteristics: pear-shaped fruit, large, vigorous determinate plants, good flavor, disease resistance, good yield. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck, alternaria stem canker, gray leaf spot. Similar: Early pear 1488. Adaptation: wide for fresh market, home garden. 1991.

Walter (1544, STEP 535).—Breeder and vendor: Univ. of Florida. Characteristics: fresh market, determinate, midseason, fruit are medium-slightly large, flat-round, symmetrical. Resistance: fusarium wilt races 1 and 2, gray leaf spot. Adaptation: Florida, southeastern United States. Fla. Agr. Expt. Sta. Circ. S-202. 1969.

Winners Circle (Mkt H 59).—Breeder and vendor: Ferry-Morse. Characteristics: compact vined, medium early, market hybrid with large, firm fruit for grower-shippers. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot. Similar: Jackpot, Count Fleet. 1982.

Wolfpack 1.—Breeder and vendor: North Carolina State Univ., Raleigh. Parentage: (Fla 180 x Dorchester) F₁₀. Characteristics: whole pack processing tomato, determinate, upright vine, concentrated fruit set, firm, blocky fruit, midseason maturity, small core, uniform green shoulder. Resistance: fusarium wilt race 1. Similar: Wolfpack 2. HortScience 21:1247–1248, 1986. 1984.

Wolfpack 2.—Breeder and vendor: North Carolina State Univ., Raleigh. Parentage: (Fla 180 x Dorchester) F₁₀. Characteristics: whole pack processing tomato, determinate, firm, blocky fruit, midseason, 5 days later than Wolfpack 1. Resistance: fusarium wilt race 1. Similar: Wolfpack 1. HortScience 21:1247–1248, 1986. 1984.

Yello Stuffer.—Breeder and vendor: Petoseed. Characteristics: indeterminate, 76 day maturity, stake, bush, home garden. Unique pepper shape with large open locules, ribbed, green shoulder, fruit 4 oz or 115 g. 1990.

Yuba (FM 48432).—Breeder and vendor: Ferry-Morse. Characteristics: medium determinate vine, medium sized, square round, red fruit excellent for whole peel use. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes. 1990.

TURNIP

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All Top.—Breeder: Sakata. Characteristics: F₁ hybrid, for foliage crop, multiple harvests possible, vigorous top growth.

De Milan.—Characteristics: deep rose colored shoulders and white bottoms, early maturity.

Fortress.—Breeder: Univ. of Arkansas. Characteristics: for greens production, tolerance to white spot and bolting, deep color, leaves have short petioles, fully upright habit, excellent field holding ability.

Hakurei.—Characteristics: white salad turnip, flat-round smooth white roots, early-maturing, good flavor.

Just Right.—Characteristics: large white globe, cold tolerant, best for fall and winter crops, root and leaf crop.

Market Express.—Breeder: Sakata. Characteristics: F₁ hybrid, small pure white root, globe shape, mild and sweet, very early maturity, multipurpose turnip.

Presto.—Breeder: Sakata. Characteristics: open pollinated, small white root.

Purple Top White Globe.—Characteristics: round smooth root with bright purple crown, mild flavor, sweet, widely grown, open pollinated cultivar.

Royal Crest.—Characteristics: F₁ hybrid, second generation Purple Top White Globe type, taller and deeper green tops than Purple Top White Globe and Royal Crown, intense purple coloration on crown, high yield.

Royal Crown II.—Breeder: Sakata. Characteristics: F₁ hybrid version of Purple Top White Globe, improved uniformity, semi globe shape, shoulders. Similar: Purple Top White Globe.

Sakata Foliage.—Breeder: Sakata. Characteristics: open pollinated, large root, used as a foliage crop.

Savanna.—Breeder: Sakata. Characteristics: hybrid of Early Tendergreen and Black-leafed Tendergreen, uniform and vigorous, upright habit, large round and shiny leaves. Resistance: cold-tolerant and bolting better than Tendergreen.

Seven Top.—Characteristics: for greens, very dark green, flesh not edible, stock feed.

Shogoin.—Characteristics: open pollinated, for foliage crop, roots white and flattened on top, tender and mild tasting leaves.

Spring Cutie.—Breeder: Sakata. Characteristics: slow bolting, small size, leaves have thick petioles, semi globe shape, can overwinter in the field at temperatures of -3° C and above.

Tokyo Cross.—Characteristics: F₁ hybrid, very early, white globe shape.

Tokyo Market Second Early.—Breeder: Sakata. Characteristics: open pollinated, slightly larger than Tokyo Market Early.

Tokyo Top.—Breeder: Sakata. Characteristics: leaves larger and thicker roots than Market Express, later maturity than Market Express. Resistance: virus, downy mildew, bolting.

Topper.—Characteristics: Hybrid Seven Top type with aphid and downy mildew resistance, leaves are nonpubescent, good cold tolerance, dark color. Resistance: aphids, downy mildew, tolerance to cold.

Tornado (Forage Star).—Breeder: Sakata. Characteristics: F₁ hybrid, for foliage crop, thick fleshed leaves, deep green, tops usable in 60°. Resistance: tolerance to cold and downy mildew. Similar: Seven Top, with broader leaves.

White Count.—Breeder: Sakata. Characteristics: F₁ hybrid, semi-globe shape, slightly upright habit, early bolter. Resistance: virus, black spot, downy mildew, tolerance to cold. Similar: White Knight.

White Egg.—Characteristics: egg shape, white with green-white tinted crown, crisp sweet flesh.

White Knight.—Breeder: Sakata. Characteristics: F₁ hybrid, large rooted, upright habit, globe shape, becomes pithy when past maturity, early bolter. Resistance: virus, black spot, downy mildew.

White Lady.—Breeder: Sakata. Characteristics: F₁ hybrid, medium size root, good bolting tolerance and heat tolerance, erect habit, tender leaves, pure white skinned roots.

Yorii Spring.—Characteristics: early maturing, all white, sweet.

WATERMELON

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Alena.—Breeder: Neue Yaar Expt. Station, Haifa, Israel. Tetraploid. Parentage: Developed by colchicine treatment of Sugar Baby seedlings. Characteristics: has classic polyploid features such as broader and thicker leaves, less branching, and slower growth than diploids, seed number per fruit is ≈70 compared with 500–1000 in diploid Sugar Baby, flesh is darker red and firmer than that in Sugar Baby. 1981.

Almora (XPH 964).—Breeder and vendor: Asgrow. Characteristics: F₁ hybrid, hybrid of Sugar Baby type with lighter rind color. Similar: Sugar Baby. 1986.

AU-Golden Producer (AU-83-1003CSY).—Breeder: Alabama Agr. Expt. Station, Auburn Univ. Vendor: Hollar and Co. Parentage: mutant of AU-Producer. Characteristics: similar in appearance to AU-Producer but flesh is a bright yellow-orange color. Resistance: fusarium wilt, anthracnose, gummy stem blight. 1993.

AU-Jubilant (AU-1).—Breeder: Alabama Agr. Expt. Station, Auburn Univ. Vendor: Hollar. Parentage: Jubilee x PI 271778. Characteristics: elongated fruit with narrow, dark green stripes on a light green background weigh 35–40 lb. Resistance: anthracnose race 2, fusarium wilt, gummy stem blight. Similar: Jubilee. 1985.

AU-Producer (AU-3).—Breeder: Alabama Agr. Expt. Station, Auburn Univ. Vendor: Hollar. Parentage: Crimson Sweet x PI 189225. Characteristics: round fruit with medium-wide dark green stripes on a light green background weigh 25–30 lb. Resistance: anthracnose race 2, fusarium wilt, gummy stem blight. Similar: Crimson Sweet. 1985.

AU-Sweet Scarlet (AW-82-50CS).—Breeder: Alabama Agr. Expt. Station, Auburn Univ. Vendor: Hollar and Co. Parentage: Crimson Sweet, PI 189225, Allsweet, PI 362515, Calhoun Sweet and Wilt Resistant Peacock. Characteristics: fruit are round to oblong in shape and similar in rind color to AU-Producer and weigh 4–6.5 kg, flesh is bright red and firm. Resistance: fusarium wilt races 0 and 1, anthracnose race 2, gummy stem blight. 1995.

Baby Gray (PSX 36585).—Breeder and vendor: Petoseed Co. Characteristics: F₁ hybrid, Icebox watermelon, gray-green in color with excellent shipping qualities. Resistance: fusarium wilt. 1990

Bush Charleston Gray (82-4041).—Breeder: P. Yorty. Vendor: Musser Seed Co. Characteristics: plants 3–4' diameter with fruit 60–70% the size of Charleston Gray, smaller seeds and finer flesh than Charleston Gray. Similar: Charleston Gray. PVP. 1983.

Bush Jubilee (84-4052).—Breeder: P. Yorty. Vendor: Musser Seed Co. Characteristics: plants 3–4' diameter, dwarf plants with fruit 60–70% the size of Jubilee. Seeds are smaller and the flesh has a finer texture than Jubilee. Similar: Jubilee. PVP. 1983.

Carnival (RXW118).—Breeder and vendor: Rogers. Characteristics: F₁ hybrid, fruit have a blocky shape with Crimson Sweet rind color and weigh 22–26 lb, flesh is bright red and has 12–13% soluble solids and matures early. Resistance: fusarium wilt race 1, anthracnose race 1. Similar: Regency and Royal Sweet. 1995.

Charlee (F83CE).—Breeder: Central Florida Research and Education Center, Univ. of Florida, Leesburg. Vendor: Petoseed Co. Parentage: Texas W5, Charleston Gray, and Calhoun Gray. Characteristics: plants are vigorous and fruit ripen early-midseason, fruit is similar in shape, appearance, and weight to Charleston Gray, flesh texture and flavor is better than that of Charleston Gray, Jubilee, and Crimson Sweet. Resistance: fusarium wilt races 0 and 1, anthracnose race 1. PVP. 1990.

Charleston Express (NVH 4260).—Breeder and vendor: Northrup, King and Co. Characteristics: F₁ hybrid, unique for earliness of maturity; produces smaller fruit than regular gray types, earliness is the primary distinguishing feature. Similar: Charleston Gray. 1988.

Condor (XPH 5080).—Breeder and vendor: Asgrow. Characteristics: F₁ hybrid, an early, prolific Sugar Baby type, round, very dark outer color, no striping, excellent texture and flavor. Similar: Sugar Baby. 1983.

Crimson Glory (PS 38485).—Breeder and vendor: Petoseed Co. Characteristics: F₁ hybrid, good early shipper with excellent yields and round square fruit, rind has a bright green background color with Crimson Sweet rind pattern. Resistance: fusarium wilt. 1990.

Crimson Trio (NVH 4291).—Breeder and vendor: Northrup, King and Co. Characteristics: triploid, round seedless watermelon with Crimson Sweet rind pattern. Resistance: fusarium wilt; tolerance to anthracnose race 1. Similar: Tri-X-313. 1989.

Crisby (Nun 1839).—Breeder and vendor: Cannons. Characteristics: very early Crimson Sweet type, round-oval shape, fruit weigh 7–9 kg and have red flesh and small brown seeds. 1989.

Dixielee (Florida 75-1).—Breeder: Agr. Research Center, Univ. of Florida, Leesburg. Parentage: Texas W5, Wilt Resistant Peacock, Fairfax, Summit, and Graybelle. Characteristics: round fruit with

Jubilee stripes that weigh 18–22 lb, flesh is firm and a very deep red color, flesh quality is excellent. Resistance: fusarium wilt race 1, anthracnose race 1. 1979.

Dokodoko.—Breeder and vendor: Dept. of Hort., Univ. of Science and Tech., Kumasi, Ghana. Parentage: selection of F₁ hybrid Top Yield. Characteristics: fruit resembles Charleston Gray but is longer and lighter green, flesh is crisp and red with very small brown seeds, relatively thick rind makes for better shipping than Sugar Baby. 1978.

Dumara (Nun 6485).—Breeder and vendor: Nunhems. Characteristics: oblong fruit shape with rind and color like Crimson Sweet, fruit weigh 14–16 kg, good shipping quality with dark red and crispy flesh and small seeds. Resistance: fusarium wilt race 1. 1991.

Early Jubilee (PSX 33484).—Breeder and vendor: Petoseed Co. Characteristics: F₁ hybrid, early maturing with high yield capability and large, uniform fruit. Resistance: fusarium wilt and anthracnose. 1990.

Fiesta (NVH 4298).—Breeder and vendor: Northrup, King and Co. Characteristics: F₁ hybrid, Allsweet or Calsweet type, excellent quality, bright red flesh with high sugars, dark green rind with light green stripes, fruit weigh 22–25 lb, good yields with multiple harvests. Resistance: fusarium wilt race 0; tolerance to race 1, anthracnose. Similar: Sangria and Allsweet. 1991.

Genesis (SSC 460015).—Breeder and vendor: Shamrock. Characteristics: triploid, highly prolific seedless watermelon with dark green stripes over a medium green rind, flesh is crisp, bright red and very sweet. Similar: Jack of Hearts. 1992.

Greengem (XPH 5359).—Breeder and vendor: Asgrow. Characteristics: F₁ hybrid, Sugar Baby type, round, with a dark green rind and red flesh, sweet with small seeds, early maturing. Resistance: fusarium wilt race 1. Similar: Sugar Baby. 1988.

Honey Red (NCX 1559).—Breeder and vendor: Moran. Characteristics: Sugar Baby type with both larger vine and fruit, flesh color is a darker red than Sugar Baby, fruit weigh 9–11 lb, have a tough rind. Resistance: fusarium wilt. Similar: Sugar Baby. 1983.

Jade Star (PSX 36385).—Breeder and vendor: Petoseed Co. Characteristics: F₁ hybrid, Sugar Baby type, very dark green rind, intense red flesh color, suited for home garden. Resistance: fusarium wilt. 1990.

Jetstream (XPH 5084).—Breeder and vendor: Asgrow. Characteristics: F₁ hybrid, large fruited Crimson Sweet type, round fruit with excellent eating quality and red flesh, recommended for areas where size attainment might be a problem with other types. Resistance: fusarium wilt race 1. Similar: Crimson Sweet. 1988.

Jubilation (NVH 4258).—Breeder and vendor: Northrup, King and Co. Characteristics: F₁ hybrid, Jubilee type melon, shape is shorter and more blocky than Jubilee, flesh is medium bright red with excellent sweet flavor, very high yielding vigorous vine that holds up well, ≈84 day maturity. Resistance: fusarium wilt and anthracnose race 1. Similar: Jubilee and Royal Jubilee. 1987.

Jubilee (F59-3).—Breeder: Watermelon and Grape Investigations Laboratory, Univ. of Florida, Leesburg. Parentage: Africa 8, Iowa Belle, Garrison, Hawkesbury, and Leesburg. Characteristics: elongated fruit with narrow, dark green stripes on a light green background, fruit weigh 35–40 lb and have a pink red flesh color. 1963.

Juliett (NV 4317).—Breeder and vendor: Rogers. Characteristics: elongated Jubilee type, fruit weigh 23–30 lb, bright red flesh has ≈11% soluble solids, ≈90 day maturity. Resistance: fusarium wilt races 0 and 1. Similar: Jubilee, Jubilee 2, Royal Jubilee. 1992.

Louisiana Queen.—Breeder: North Louisiana Experiment Station, Calhoun. Parentage: Summit x Fairfax. Characteristics: fruit similar in appearance to Dixie Queen and matures early, rind is tough and suitable for shipping, flesh is bright red, firm, crisp and sweet, fruit weigh ≈20 lb. Resistance: fusarium wilt race 1. 1971.

Mardi Gras (RWM 121).—Breeder: T. Williams. Vendor: Rogers Seed. Characteristics: hybrid Allsweet type, few misshapen fruit, wide adaptability, high yield, 20–25 lb fruit weight, matures in 86–90 days, like Sangria. Resistance: anthracnose, fusarium wilt. Similar: Allsweet. 1997.

Mickylee (S83NW).—Breeder: Agr. Research and Education Center, Univ. of Florida, Leesburg. Vendor: Hollar Seed Co., Petoseed Co. Parentage: Texas W5, Fairfax, Summit, and Graybelle. Characteristics: small, round 8–12 lb fruit with a rind pattern similar to that of

Charleston Gray, very firm dark red flesh with a tough rind and small seeds. Resistance: fusarium wilt race 1, anthracnose race 1. PVP. 1986

Millionaire (HMX7924).—Breeder and vendor: Harris Moran. Characteristics: triploid seedless hybrid, very prolific, similar in appearance to Tri-X-313, firm flesh, small seeds. 1992.

Minilee (F82NC).—Breeder: Agr. Research and Education Center, Univ. of Florida, Leesburg. Vendor: Hollar & Co., Petoseed. Parentage: Texas W5, Fairfax, Summit, and Graybelle. Characteristics: small, round 5–8 lb fruit with a rind pattern similar to that of Charleston Gray, firm red flesh with a tough, thin rind and very small seeds. Resistance: fusarium wilt race 1, anthracnose race 1. PVP. 1986.

Nova.—Breeder and vendor: Sakata. Characteristics: triploid seedless hybrid, fruit weigh 10–13 lb. 1990.

Petite Sweet (Kansas 68-20).—Breeder: Dept. of Hort. and Forestry, Kansas State Univ., Manhattan. Parentage: Crimson Sweet and New Hampshire Midget. Characteristics: rind pattern similar to Crimson Sweet; fruit shape is blocky round, fruit weigh 5–10 lb, the flesh color is bright pinkish red and seeds are few and small. Resistance: fusarium wilt, anthracnose races 1 and 3. 1971.

Quetzali (RXW 113).—Breeder and vendor: Rogers. Characteristics: Icebox type with Crimson Sweet striped rind; globe shaped with bright red firm flesh. Resistance: anthracnose race 1; tolerance to downy mildew. Similar: Mickylee. PVP. 1965.

Rebel Queen (FMX 4).—Breeder: H. Sakamoto. Vendor: Ferry-Morse Seed Co. Characteristics: high yields with good, vigorous vines, rind is gray-green with narrow black-green stripes, flesh is reddish pink and firm, a high quality shipping type melon. Similar: Crimson Sweet and Jubilee. 1982.

Red Charm.—Breeder and vendor: Sakata. Characteristics: Icebox type watermelon. Similar: Red Cutie. 1993.

Red-N-Sweet.—Breeder: Calhoun Research Station, Louisiana State Univ., Calhoun. Vendor: Hollar. Parentage: Calhoun Gray, Summit, Calhoun Sweet, Louisiana Queen, and plants from irradiated seeds of Calhoun Gray. Characteristics: round-oblong fruit with Jubilee stripes and intense red flesh color, seeds are black and the rind is thin. Resistance: fusarium wilt and anthracnose. 1987.

Royal Flush (PSX10992).—Breeder: F. Campara. Vendor: Petoseed Co. Characteristics: F₁ hybrid, large fruited with deep red flesh color, matures in main season, fruit weigh 18–22 lb, oblong fruit shape. Resistance: fusarium wilt race 0. Similar: Royal Majesty and Sangria. 1995.

Royal Majesty (PSX 65688).—Breeder and vendor: Petoseed Co. Characteristics: F₁ hybrid, Allsweet type, elongated fruit shape with medium green thin stripes, excellent production. Resistance: fusarium wilt. 1990.

Sabrina (XPH 5541).—Breeder and vendor: Asgrow. Characteristics: F₁ hybrid, large Sugar Baby type fruit with faint stripes, fruit ≈10 lb, dark blue-green rind with red flesh. Similar: Sugar Baby. 1991.

Samos.—Breeder and vendor: Nunhems. Characteristics: medium early, large, oval fruit with dark green rind color, fruit weigh 11–13 kg, handles well and has tasty fruit with small seeds, solid, sweet flesh. 1991.

Scarlet Trio (NVH 4295).—Breeder and vendor: Northrup, King and Co. Characteristics: triploid seedless hybrid, round fruit, Jubilee rind pattern. Resistance: fusarium wilt and anthracnose race 1. 1989.

Seville (HSR 606).—Breeder and vendor: Hollar Seed Co., Larry Hollar. Characteristics: long, dark fruit resembling Congo but with small brown seeds and red flesh. Similar: Congo. 1992.

Smokylee (D7-4 and F68-1).—Breeder: Agr. Research Center, Univ. of Florida, Leesburg. Parentage: Texas W5 x Charleston Gray. Characteristics: elongated, dark green fruit with indistinctly outlined leaf patterns of lighter green color which give it a smoky appearance, fruit weigh 22–26 lb and have a very fine quality pink red flesh. Resistance: fusarium wilt race 1, anthracnose race 1. 1971.

Southern Belle (FMX 9).—Breeder: H. Sakamoto. Vendor: Ferry-Morse Seed Co. Characteristics: flesh qualities outstanding; firm, deep red, and sweet with solid black-green rind. Similar: Peacock W.R. 60. 1982.

Star Brite (XPH 6004).—Breeder and vendor: Asgrow. Characteristics: F₁ hybrid, large, elongated, blocky, striped watermelon, flesh red, firm, and sweet. Resistance: fusarium wilt race 1. Similar: Crimson Sweet. 1990.

Sugar Belle (XPH4072).—Breeder and vendor: Asgrow. Characteristics: F₁ hybrid, round shape, dark green, with faint light green stripes, weighs 10–12 lb, fine eating quality for its type. Good yield. Similar: Panonia, Sugar Baby. 1987.

Sugarlee (Florida 77-2).—Breeder: Agr. Research Center, Univ. of Florida, Leesburg. Parentage: Texas W5, Summit, Charleston Gray, Fairfax, Crimson Sweet, and Graybelle. Characteristics: round fruit with Jubilee stripes which weigh 15–18 lb, it is exceptionally early and has a high soluble solids content; hard, tough rind is suited for shipping. Resistance: fusarium wilt race 1, anthracnose race 1. 1981.

Sultan (HMX 5911).—Breeder: R. Schroeder. Vendor: Harris Moran Seed Co. Characteristics: half long and striped, high quality, excellent flesh color, large and vigorous vine. Resistance: tolerance to fusarium wilt and anthracnose. Similar: Royal Sweet, Mirage. 1991.

Sun Gold (NCX 1558).—Breeder and vendor: Moran. Characteristics: globe shaped, striped fruit with yellow flesh, fruit average 24 × 23 cm with an average rind thickness of 13 mm. Resistance: fusarium wilt and anthracnose race 1. Similar: Yellow Baby. PVP. 1983.

Super Sweet (Kansas 68-12).—Breeder: Dept. of Hort. and Forestry, Kansas State Univ., Manhattan. Parentage: Miles, Peacock and Charleston Gray. Characteristics: external rind color is similar to Crimson Sweet but fruit are more spherical and are slightly grooved, fruit weigh 10–18 lb, mature 5–10 days later than Crimson Sweet, and have a tough rind and firm, pinkish red flesh. Resistance: fusarium wilt, anthracnose races 1 and 3. 1971.

Tiffany (XPH 9039).—Breeder and vendor: Asgrow. Characteristics: triploid seedless hybrid, round, striped fruit weigh as much as 20 lb, flesh color is uniform red and solid. Similar: small Crimson Sweet. 1990.

Tycoon (HMX7932).—Breeder: R. Schroeder. Vendor: Harris Moran Seed Co. Characteristics: triploid seedless hybrid, early maturing, round, striped, and weighs 10–12 lb. Similar: Jack of Hearts. 1991.

Yellow Rose (NVH 4299).—Breeder and vendor: Rogers. Characteristics: semi-elongated fruit with Crimson Sweet rind appearance, yellow-orange flesh color, fruit weight 22–26 lb, soluble solids content is ≈10.5%. Resistance: fusarium wilt. Similar: Tendersweet Orange Flesh. 1992.