

Vegetable Cultivar Descriptions for North America

List 26

2002

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Crop listings: amaranth—vegetable (tampala), asparagus, bean—dry, bean—green, bean—Lima, beet, broccoli, Brussels sprouts, cabbage, cabbage—Chinese, carrot, cauliflower, celery, collard, cucumber, eggplant, endive, endive—Belgian (Witloof chicory), escarole, gourd—benincasa, gourd—cucurbita, gourd—lagenaria, gourd—luffa sponge, gourd—momordica, herbs—parsley, kale, leek, lettuce, melon, mustard, okra, onion, pea—green, pepper, potato, pumpkin, radish, radish—daikon, rhubarb, southernpea (cowpea), spinach, squash, sweetcorn, sweetpotato, 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, parentage, plant characteristics, disease and other resistances, similar cultivars, areas of adaptation, plant variety protection information, reference information, and year of release. In many cases, complete information was not available for the cultivars included in the list.

Previous vegetable cultivar lists (1 through 25) have been published 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 cultivar list XXI. *HortScience* 15:565–578.

21. Tigchelaar, E.C. 1986. New vegetable cultivar list 22. *HortScience* 21:195–212.

22. Tigchelaar, E.C. 1991. New vegetable cultivar list 23. *HortScience* 26:343–357.

23. Wehner, T.C. 1999. Vegetable cultivar descriptions for North America, list 24, 1999. *HortScience* 34:763–806.

24. Wehner, T.C. 1999. Vegetable cultivar descriptions for North America, list 25, 1999. *HortScience* 34:957–1012.

AMARANTH—VEGETABLE (TAMPALA)

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Green Leaf Vegetable Amaranth—Vendor: Johnny's Selected Seeds, Evergreen Seeds (<http://www.evergreenseeds.com>), Corona Seeds (<http://www.coronaseeds.com>). Characteristics: oval to heart-shaped leaves; deep green color.

Kahlalu Leaf—Vendor: Abundant Life Seed Foundation. Characteristics: 45–50 days, used like spinach, purple venation, adapts easily to most localities; endangered cultivar.

Red Leaf Edible Amaranth—Vendor: Evergreen Seeds (<http://www.evergreenseeds.com>), Corona Seeds (<http://www.coronaseeds.com>). Characteristics: large green leaves with red stripes.

White Leaf Edible Amaranth—Vendor: Evergreen Seeds (<http://www.evergreenseeds.com>). Characteristics: dwarf type with light green leaves and stems which are very tender.

Individuals knowing of new cultivars to add to the list, or corrections to be made in the published lists are encouraged to contact TCW (todd_wehner@ncsu.edu). The assistance of Shannon Woods (American Seed Trade Association), and Marie Hall and Julia Jenkins (North Carolina State University) is gratefully acknowledged.

ASPARAGUS

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Apollo—Vendor: California Asparagus Seed and Transplants. Parentage: clonal hybrid. Characteristics: early maturing; vigorous; spears taper to a tight head; green color turns purple at the tip. Resistance: fusarium, asparagus rust.

Atlas—Vendor: California Asparagus Seed and Transplants. Parentage: hybrid. Characteristics: dark green spears with a little purple color on bud scales, spear tip and end; tight heads under warm to hot growing conditions, cylindrical spears, slightly tapering spear tip; spear production beginning early in the spring and extending late into the cutting season; maintains a tighter head and produces slightly larger spears than UC 157 if planted 7–8" apart in rows; free of asparagus latent virus II. Resistance: fusarium, asparagus rust, foliar disease.

Dulce Verde—Breeder: Brian Benson. Vendor: California Asparagus Seed and Transplants. Parentage: green spear producing parents from Purple Passion; tetraploid. Characteristics: All green spears, medium to large diameter spears very sweet, mild asparagus taste, very tight heads and tightly compressed bud scales; similar to Purple Passion in other horticultural characteristics. Similar: Purple Passion. Adaptation: mild to warm and tropical climates. 2000.

Edsbest I—Breeder: Edward L. Nigh, Jr. Vendor: Arizona Ag Con. Parentage: four way cross UC 157 F1 male (AZ 75-C) + Wash 500 (AZ 91) = AZ 82-J x UC 157 F1 female (AZ-73) + Brock male (IVB 73-B) = AZ-80C. Characteristics: cold tolerance, early emergence; spears large and straight with slightly tapered tight tips; dark green, adapted to hot desert climates; reduced susceptibility to Fusarium spp. and rust; exceptional yields during hot harvest climates resulting from late emerging branchlets.

Edsbest II—Breeder: Edward L. Nigh, Jr. Vendor: Arizona Ag Con. Parentage: Brock male (IVB-75) + UC 157 F1 female (AZ-73) = AZ-82 H x Male NJ Giant (F1), AZ-85. Characteristics: early emergence following cold temperatures; tolerance to excessive desert climate, reduced susceptibility to Fusarium attributed to stress; dark green, straight spears; tips tight and slightly tapered, bracts tight; high yield due to early through late harvests.

Grande—Vendor: California Asparagus Seed and Transplants. Parentage: hybrid. Characteristics: dark green spears with a little purple color on bud scales, spear tip and end; tight heads under warm to hot growing conditions, cylindrical spears, slightly tapering spear tip; spear production beginning early in the spring and extending late into the cutting season; produces larger spears than Atlas, so should be planted at a higher density (6–8" apart in rows) to reduce spear size; free of asparagus latent virus II. Resistance: fusarium, asparagus rust, foliar disease.

Purple Passion—Vendor: California Asparagus Seed and Transplants. Parentage: selection from Violeta d' Albinga (cultivar from Albinga, Italy); tetraploid. Characteristics: burgundy-colored spears with creamy-green interior color; tightly compressed bud scales; matures in early spring; ships well. Resistance: fusarium.

UC 157—Breeder and vendor: California Asparagus Seed and Transplants. Parentage: clonal hybrid. Characteristics: early spring harvest; high yield; cylindrical, slightly tapering spears are green from end to tip; tip is tightly closed; medium to medium-large spear diameter. Adaptation: moderate to hot climates. 2001.

BEAN—DRY

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AC Alberta Pink (L94C274)—Breeder: Agri and Agri-Food Research Center, Lethbridge, Alberta, Canada. Parentage: ISB473/4/NW63/3/Swan Valley/2/Redcloud/Kentwood. Characteristics: high yielding, large pink seed; type IIIb indeterminate growth habit; susceptible to white mold, common blight, halo blight, fusarium yellows, pythium root rot and rhizoctonia root rot. Crop Sci. 39:588, 1999.

AC Burrito (HR61-1608)—Breeder: Agric and Agri-Food Canada Research Center, Harrow, Ontario, Canada. Parentage: Sierra / Fiesta. Characteristics: indeterminate short bush growth habit, early maturity, dark brown, irregular variegation on light brown solid background color, shiny lustered pinto seed. Resistance: tolerance to white mold, mod. tolerance to halo blight and brown spot; susceptible to common blight, anthracnose and BCMV; reaction to root rot less than Othello. 1996.

AC Compass (HR70-1774)—Breeder: Agri and Agri-Food Canada Research Center, Harrow, Ontario, Canada. Parentage: W1285c-42603/OAC Laser. Characteristics: semi-determinate short vine with upright plant type, early maturity, white, dull seed coat with oblong navy bean seed. Resistance: BCMV (race 1, 15), susceptible to anthracnose. 1998.

AC Earlired (L94D186)—Breeder: Agri and Agri-Food Research Center, Lethbridge, Alberta, Canada. Parentage: Ember (Novartis) / 5217 (Idaho). Characteristics: type IIIb short vine indeterminate growth habit, early maturing, comparable yields to other small red dry beans; susceptible to white mold, common blight, fusarium yellows and pythium root rot; less susceptible to rhizoctonia root rot. Crop Sci. 39:588, 1999. 1998.

AC Pintoba (HR55-1608)—Breeder: Agri and Agri-Food Canada Research Center, Harrow, Ontario, Canada. Parentage: Sierra / Fiesta. Characteristics: short vined indeterminate growth habit; dark brown, irregular variegation on buff-colored solid background with shiny lustered pinto seed. Resistance: BCMV (race 1, 15); susceptible to anthracnose, tolerant to white mold; reaction similar to Othello for halo blight, brown spot, rust and root rot reaction. 1998.

AC Redbowl (L94D007)—Breeder: Agr. and Agri-Food Canada Research Center, Lethbridge, AB, Canada. Parentage: Ember //2 / (NW63 // Redcloud / Kentwood). Characteristics: type IIb indeterminate growth habit, early maturing, high yielding, small red dry bean well suited to narrow row production. Resistance: moderately susceptible to white mold and rhizoctonia root rot, susceptible to common blight and halo blight, moderately resistant to fusarium yellows. Crop Sci. 40:855, 2000. 1999.

AC Skipper (LRS91-1)—Breeder: Agri and Agri-Food Canada Research Center, Lethbridge, AB, Canada. Parentage: Redcloud / Kentwood*2/2/Swan Valley/4 / Redcloud / Kentwood*2/2/Swan Valley/3 / Kentwood. Characteristics: determinate short bush Type I growth habit, white, semi-shiny seed coat. Resistance: cortical root rot, pythium and rhizoctonia root rot, bacterial blight and white mold. Crop Sci. 36:207, 1996. 1995.

AC Trident (HR74-1756)—Breeder: Agri and Agri-Food Canada Research Center, Harrow, Ontario, Canada. Parentage: OAC Gryphon / OAC Laser. Characteristics: semi-determinate short vine upright plant type; white, dull luster seed coat, medium late maturity. Resistance: BCMV (race 1 and 15), susceptible to anthracnose. 1999.

Anacaona (L-86020)—Breeder: CIAS, Ministry of Agriculture, Dominican Republic, University of Nebraska and University of Puerto Rico. Parentage: L227-1///B-190 / XR235//L183-1. Characteristics: type II indeterminate growth habit, matures in 70 days, small white elliptically shaped seed exceeding yield of Arroyo Loro, well adapted to low and intermediate altitudes. Resistance: rust, BCMV, common blight and web blight. 1998.

Arroyo Loro Negro (MSU-N-4-11)—Breeder: CIAS, Ministry of Agriculture, Dominican Republic, University of Nebraska and Uni-

versity of Puerto Rico. Parentage: H-270/XAN223. Characteristics: indeterminate, short vine, type II growth habit, matures in 70 days, elliptical opaque black seed. Resistance: rust, web blight and CBB; susceptible to BGMV. 1998.

Arthur (ND91-076-01)—Breeder: North Dakota Agricultural Expt. Station, ND State, Fargo, ND. Parentage: N85027/4/81-049-08/82-147-21//Neptune/81-077-06/3/N85007. Characteristics: type IIa extremely erect plant growth, seed is high yielding and slightly larger than navy bean Norstar and earlier than Mayflower. Resistance: lodging, BCMV; good resistance to leafhopper damage and rust with some genetic resistance to white mold. 2000.

Beluga—Breeder: Michigan Agricultural Expt. Station, Michigan State, East Lansing, MI. Parentage: BEA / Lassen. Characteristics: upright determinate plant growth, large white seed equivalent to white kidney beans, maturity similar to Montcalm. Resistance: I gene to BCMV, immune to rust, susceptible to halo blight, common blight, and Fusarium root rot. Crop Sci. 38:885, 1998. 1998.

Black Knight (CU-M90)—Breeder: Florida, Idaho, Cornell Agricultural Expt. Stations. Parentage: Midnight/6/Midnight/5/Midnight/4/Midnight/3/Midnight //(US1140/Black Turtle Soup D)F3. Characteristics: black seed coat equivalent size and performance, but better general appearance than Midnight. Resistance: lodging, BCMV, white mold, common blight, halo blight, and a complex of root rots. 1998.

Burke (IS-4913-B)—Breeder: Washington Agr. Research Center and the USDA-ARS. Parentage: Othello/Sierra. Characteristics: high-yielding, semi-upright to prostrate type II pinto bean, midseason maturity; tan, cuboid, dark brown mottled seed. Resistance: CTV, BCMV, BCMNV, Ur-6 rust resistance. 1997.

Buster (XP 8550517)—Breeder: Seminis Veg. Seeds, Woodland, CA. Characteristics: exceptional yield, full season maturity. Resistance: I gene res. to BCMV, rust. Similar: Vision. 1999.

Cabernet (XP 341)—Breeder: Seminis Veg. Seeds, Woodland, CA. Characteristics: dark red kidney, improved harvest quality. Resistance: I gene res. to BCMV. Similar: Isles and Red Hawk. 1999.

Chardonnay (XP340)—Breeder: Seminis Veg. Seeds, Woodland, CA. Characteristics: light red kidney, bush type plant, good canning quality. Resistance: I gene res. to BCMV. Similar: Foxfire. 1999.

Chinook 2000 (K94601)—Breeder: Michigan Agr. Expt. Station and USDA-ARS. Parentage: reselection from within cultivar Chinook. Characteristics: type I upright determinant bush growth habit; large red kidney seed with acceptable canning quality equivalent to Chinook. Resistance: BCMV (I gene), resistance to anthracnose, immune to indigenous rust, tolerant to isolates of halo blight and white mold, susceptible to Fusarium root rot. Crop Sci. 39:293, 1999. 1998.

CIAS-95 (PC-21-SMA)—Breeder: CIAS, Ministry of Agriculture, Dominican Republic, University of Nebraska, University of Puerto Rico. Parentage: PC-50/BAT 1274. Characteristics: type I determinate bush growth habit, matures in 75–80 days, dark red mottled elliptical seed exceeding the yields of PC-50. Resistance: rust, strain NY-15, susceptible to BGMV, BCMV and BCMV necrotic virus. Crop Sci. 40:857, 2000. 1988.

DRK 57 (Sapatsika)—Breeder: Chitedze Agricultural Research Sta., Malawi. Parentage: PVA 142 X TIB 33341//PVA 1426 X A 197. Characteristics: erect, semi-determinate, matures in 90 days, red large kidney seeds that grow well in cool environments and performs well when intercropped with good yield potential; good level of resistance to common disease. 1995.

Enola—Breeder: L.M. Proctor, 269 State Hwy. 348, Delta, Colorado. Parentage: bulk of yellow seeded single plant selections made in a heterogeneous population obtained in Mexico. Characteristics: yellow seed bean; maturity in 100 to 105 days. 1999.

Frontier (88-019-10-02)—Breeder: North Dakota Agr. Expt. Sta. Parentage: PX-057/Sierra. Characteristics: erect architecture Type IIb growth habit; traditional pinto size, shape and coloration, high yielding and full season. Resistance: Ur-3 rust resistance, recessive resistance allele bc-1² BCMV, and some avoidance of white mold due to erect growth habit. Crop Sci. 39:589, 1999. 1997.

Jaguar (B95556)—Breeder: Michigan Agr. Expt. Sta. and USDA-ARS. Parentage: B90211 / N90616. Characteristics: short vine indeterminate (Type IIa) growth habit; small opaque black seed with

typical characteristics of commercial black beans, maturing in 93 days. Resistance: I gene resistance to BCMV, resistance to anthracnose, Ur-3 rust resistance and tolerance to white mold, mod. susceptible to common blight. 2000.

JB-178 (PR9705-178)—Breeder: CIAS, Ministry of Dominican Republic, University of Nebraska, University of Puerto Rico. Parentage: Jose Beta / C1308. Characteristics: Type I determinate growth habit, matures in 55 to 60 days, light red mottled, elliptical seed, well adapted to low and intermediate altitudes. Resistance: partial resistance to rust, susceptible to BGMV, BCMV and BCMV necrotic virus-NL3. Crop Sci. 40:857, 2000. 1998.

Kodiak (P94207)—Breeder: Michigan Agr. Expt. Sta. and USDA-ARS. Parentage: P90557 / G91213. Characteristics: indeterminate Type II growth habit with midseason maturity; typical flat pinto bean shape and color with canning quality comparing to other commercial cultivars such as Othello. Resistance: I gene and bc-1² gene resistance to BCMV, resistance to rust, susceptible to anthracnose, tolerance to white mold and susceptible to common blight. Crop Sci. 39:292, 1999. 1998.

Le Baron (LB-4803, LB-2111, and USRM-11)—Breeder: Washington Agri Research Center, the Idaho and Oregon Agr. Expt. Sta. and the USDA-ARS. Parentage: selection from germplasm line ARS-R93008. Characteristics: growth habit varies from upright (Type IIa) to floppy (Type IIIa); early maturing small red dry bean. Resistance: BCMV and curly top virus. Similar: Rufus, but with higher yield, and shinier and larger seeds; comparable canning quality to both Rufus and NW-63. Crop Sci. 40:853, 2000. 1998.

Mackinac (N93296)—Breeder: Michigan Agr. Expt. Sta. and USDA-ARS. Parentage: N90435 / Avanti. Characteristics: upright indeterminate (Type II), midseason maturity, excellent resistance to lodging; ovoid navy bean with uniform color and size and rated with good cooking quality. Resistance: rust; I gene for BCMV, Co-1 gene for anthracnose; tolerance to white mold. 1997.

Matterhorn (G93414)—Breeder: Michigan Agr. Expt. Sta. and USDA-ARS. Parentage: Alpine/X90012. Characteristics: short-vine indeterminate growth habit (Type II), early to midseason maturity, brighter white color and sheen than Alpine and above average canning quality. Resistance: I gene resistance to BCMV, Ur-3 rust resistance, susceptible to anthracnose and common blight, low level tolerance to white mold. Crop Sci. 39:589, 1999. 1998.

McHale (XP387)—Breeder: Seminis Vegetable Seed. Characteristics: navy bean type, semideterminate, good grain and yield. Resistance: BCMV (I gene). 1999.

Montrose—Breeder: Colorado Agr. Expt. Sta. Parentage: BelNeb2 / GH-196. Characteristics: semi-vine Type III plant type, midseason maturity, high yielding. Resistance: BCMV and rust. 1999.

Morales (PR9610-9)—Breeder: Puerto Rico Agr. Expt. Sta. and USDA-ARS. Parentage: Arroyo Loro/Don Silvio. Characteristics: indeterminate bush, short vine Type II growth habit, midseason maturity, commercially acceptable small white seed shape and color, suitable for both dry and green-shell production. Resistance: BCMV, BGMV, and rust. Crop Sci. 39:1257, 1999. 1998.

Onyx (Rog925)—Breeder: Novartis Seeds, Inc. Nampa, Idaho. Characteristics: black bean, type IIA growth habit, moderately late. Resistance: BCMV (I gene) and anthracnose race 07. 1999.

PC-50—Breeder: CIAS, Ministry of Agriculture, Dominican Republic, University of Nebraska, University of Puerto Rico. Parentage: SPS from Pompadour Checa landrace. Characteristics: Type I determinate growth habit, matures in 55–60 days, red mottled medium sized elliptical seed, yields exceed Pompadour Checa. Resistance: rust, susceptible to BGMV, BCMV, web blight and common blight. Crop Sci. 40:858, 2000. 1987.

Phantom (B95204)—Breeder: Michigan Agr. Expt. Sta. Michigan and USDA-ARS. Parentage: Raven/N90618. Characteristics: upright indeterminate (Type II), midseason, flat black seed with satisfactory cooking quality. Resistance: BCMV (I gene), anthracnose, and rust; tolerant to root rot and white mold; susceptible to common blight. Crop Sci. 40:572, 2000. 1999.

PR9443-4—Breeder: Puerto Rico Agr. Expt. Sta. and USDA-ARS. Parentage: T969-2/DOR303. Characteristics: erect indeterminate short-vine Type II growth habit, midseason, light red kidney seed

type. Resistance: BGMV in trials in PR, DR, and Haiti; resistant to common blight and rust and BCMV (I gene). 1999.

Red Hawk (K90101)—Breeder: Michigan Agr. Expt. Sta. and USDA-ARS. Parentage: Charlevoix/2*Montcalm. Characteristics: dark red kidney bean with upright determinate Type I growth habit, full season maturity. Resistance: BCMV(I gene), anthracnose; immune to indigenous rust; tolerant to halo blight, common blight; susceptible to root rot. Similar: Montcalm in cooking and canning quality. *Crop Sci.* 38:280, 1998. 1997.

ROG331—Breeder: Novartis Seeds, Inc., Nampa, Idaho. Characteristics: navy bean, Type IIb growth habit, medium-late maturity, resistant to BCMV (I gene). 1999.

ROG372—Breeder: Novartis Seeds, Inc., Nampa, Idaho. Characteristics: navy bean, type IIb growth habit, medium maturity. Resistance: BCMV (I gene). 1999.

ROG802—Breeder: Novartis Seeds, Inc., Nampa, Idaho. Characteristics: dark red kidney, Type Ia growth habit, moderately early, good canner. Resistance: BCMV (I gene). 1998.

ROG912—Breeder: Novartis seed, Inc., Nampa, Idaho. Characteristics: cranberry bean, type Ib growth habit, early-mid maturity. Resistance: BCMV (I gene), anthracnose races alpha and delta. 2000.

ROG922—Breeder: Novartis Seeds, Inc., Nampa, Idaho. Characteristics: pink bean type IIb growth habit, medium maturity. Resistance: BCMV, anthracnose race 07. 2000.

Rosada Nativa (PR9443-I)—Breeder: Puerto Rico Agr. Expt. Sta. and USDA-ARS. Parentage: DOR483/BelNeb Rust Resistant-1. Characteristics: indeterminate, short-vine Type II growth habit, midseason maturity, pink seed color producing high yields when planted in the hot, humid summer season. Resistance: BCMV (I gene), BGMV and rust. 1999.

Saladin-97 (PC-21 SME)—Breeder: CIAS, Ministry of Agriculture, Dominican Republic, in coop. with University of Nebraska and University of Puerto Rico. Parentage: 'PC-50'/Bat 1274. Characteristics: determinate Type I growth habit, matures in 60 days, light red mottled medium sized elliptical seed. Resistance: strains of CBB; partial resistance to rust; susceptible to BGMV and BCMV. *Crop Sci.* 40:858, 2000. 1998.

Shiny Crow (CO96902)—Breeder: Colorado State University, Ft. Collins, Colo. Parentage: SPS from segregating line from Cali, Colombia. Characteristics: prostrate Type III growth habit, midseason maturity, high yielding shiny black seed. Resistance: BCMV (I gene). 1999.

UI-259 (88:539)—Breeder: University of Idaho Foundation Seed Program, Kimberly, Idaho. Parentage: NW 59/2/UI 36/6917. Characteristics: Type III growth habit, oval, shiny small dark red seed, matures in 91 days. Resistance: BCMV and BCMNV; susceptible to rust strains in Col. and Mich., resistant to ND rust strains. 1997.

UI-320 (93:220)—Breeder: University of Idaho Foundation Seed Program, Kimberly, Idaho. Parentage: Emerson/2/PI226856/UI 76/4/R544/UI 61/2/Aurora/3/US 1140. Characteristics: Type III growth habit, matures in 89 days, oval pinto seed with tan background and darker tan and brown mottling, high yielding. Similar: Chase. Resistance: BCMV (I gene) and rust. 1997.

UI-465 (90:465G)—Breeder: University of Idaho Foundation Seed Program, Kimberly, Idaho. Parentage: Emerson/2/PI226856/UI 76/4/R544/UI 61/2/Aurora/3/US 1140. Characteristics: Type III growth habit, matures in 88 days, oval, slightly flattened dull white great northern seed. Resistance: BCMV (I gene) and rust. 1997.

BEAN—GREEN

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Accord—Breeder and vendor: van Waveren Pflanzenzucht GmbH. PVP 8400133.

Allure—Breeder and vendor: Seminis Vegetable Seeds. PVP 9200196.

Ambassador—Breeder and vendor: Novartis Seeds, Inc. Parentage: Benton/Summit. PVP 9400125.

Amity—Breeder and vendor: van Waveren Pflanzenzucht GmbH. PVP 8400134.

Baby Bop (XP351)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: round, green, bush snap bean for whole pack processing; darker pod color than Flevero, 65% sieve size 3, 3.8" long. Resistance: BCMV, anthracnose, rust. Adaptation: U.S. and Australia. ASTA Cultivar Listing.

BBL 109—Breeder and vendor: Gallatin Valley Seed Co. PVP 8000049.

BBL 110 (GP76110)—Breeder and vendor: Novartis Seeds, Inc. Parentage: Nunhems N800/BBL 210. PVP 9000105.

Beany Baby (XP366)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: round, green, bush snap bean for whole pack processing, medium dark color, 4" long, 63% sieve size 3. Resistance: BCMV I gene, anthracnose. Similar: Dandy. Adaptation: U.S. ASTA Cultivar Listing. PVP 9900073.

Bef—Breeder and vendor: Royal Sluis B.V. Characteristics: 76 day, 15 cm round dark green pod on 35–45 cm erect plant; uniform pod set, high yield, slow prominence development. Resistance: BCMV, anthracnose. PVP 7700060.

Benchmark—Breeder and vendor: Novartis Seeds, Inc. PVP 9700096.

Benton—Breeder and vendor: Rogers. Characteristics: 59 day, #4 sieve, Tendercrop type for fresh or processing market; large upright bush with 13–15 cm pods. Resistance: BCMV races 1 and NY 15, bacterial brown spot tolerant. PVP 8300048.

Blue Lake FM-1—Breeder and vendor: Rogers Brothers Seed Co. Characteristics: 66 day, stringless, tall climbing, 5.5–6.0', vines, 9–10 cm pods, round, green podded, pole bean. Resistance: BCMV race 1.

Blue Lake GV 2—Breeder and vendor: Gallatin Valley Seed Co. PVP 7300023.

Blue Lake GV 150—Breeder and vendor: Gallatin Valley Seed Co. PVP 7300024.

Bollie Green—Breeder and vendor: Albert Bollie. PVP 7200088.

Bollie White—Breeder and vendor: Albert Bollie. PVP 7200093.

Bonanza Wax—Breeder and vendor: Seminis Vegetable Seeds. PVP 7200026.

Briggs (SSG 1204)—Breeder and vendor: Shamrock Seed. Resistance: common bean rust; common bean mosaic, root rot. Similar: Hileah. Adaptation: all fresh market green bean growing areas. ASTA Cultivar Listing. PVP 9800026.

Broker's Choice—Breeder and vendor: Novartis Seeds, Inc. PVP 8100175.

Burly—Breeder and vendor: Novartis Seeds, Inc. PVP 8100032.

Bush Blue Lake 156 (BX-156-2-3-6)—Breeder and vendor: Novartis Seeds, Inc. Parentage: OSU 4843-1 /4/ Rogers GP#473 / OSU 58 // GP66937A /3/ White seeded provider / Blue lake FM-1.

Bush Kentucky Wonder 125—Breeder and vendor: Novartis Seeds, Inc. Characteristics: 58 days, Kentucky Wonder type, 15–17 cm flat pods on strong bush. PVP 8200145.

Bush Romano 350—Breeder and vendor: Novartis Seeds, Inc. PVP 9000104.

Cabretta 78 (RS 1263)—Breeder and vendor: Royal Sluis B.V. Characteristics: medium late maturity, small seeded, dwarf French bean for whole bean processing. Resistance: halo blight tolerant. PVP 8200130.

Calgreen—Breeder and vendor: Novartis Seeds, Inc. Characteristics: 60 days, Greencrop type with 16 cm flat green pods on large upright bush. PVP 9000106.

Capricorn—Breeder and vendor: Novartis Seeds, Inc. PVP 200000057.

Castano (SB4218)—Breeder and vendor: Novartis Seeds, Inc. PVP 200000048.

Cloudburst—Breeder and vendor: Seminis Vegetable Seeds. PVP 9800015.

Conquistador (XP 381)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: round, green bush snap for processing, #4 average sieve size, heat stress tolerant. Resistance: BCMV, bacterial brown spot. Similar: Brio. Adaptation: North America.

ASTA Cultivar Listing. PVP 9900433.

Cyclone (XP344)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: flat pod, Kentucky Wonder type, bush green bean, upright plant, very high pod position, smooth pods, 52 day maturity. Resistance: BCMV. Similar: Green Crop. Adaptation: SE and NE United States and Canada. ASTA Cultivar Listing. PVP 9700327.

Delinel—Breeder and vendor: Harris Moran Seed Co. PVP 7100091.

Distinction (RS 08091391)—Breeder and vendor: Royal Sluis. Parentage: open pollinated. Characteristics: fresh market, garden bean, medium large sieve, grading 9–12 mm, pod length 12–14 cm. Resistance: BCMV, rust. Similar: Grenoble. Adaptation: northeast and southwest coastal U.S. 2001.

Duchess—Breeder and vendor: Novartis Seeds, Inc. Parentage: Slenderette / Brown seeded breeding line. PVP 9000201.

Early Sunray—Breeder and vendor: Bakker Brothers of Idaho, Inc. PVP 8800069.

Endurance—Breeder and vendor: Novartis Seeds, Inc. Parentage: Labrador / Champ. PVP 9400124.

Envy—Breeder and vendor: Harris Moran Seed Co. Parentage: Wisc 71-3938 / Oregon 4094-3. Characteristics: 56 days, 6" dark green pods; Bush Blue Lake type, #4–5 sieve. Resistance: BCMV (I). PVP 9200140.

Epoch—Breeder and vendor: Wilbur-Ellis Co. PVP 8100017.

Evergreen—Breeder and vendor: van Waveren Pflanzenzucht GmbH. PVP 8400132.

EZ Gold (127 108)—Breeder and vendor: Seminis/Petoseed. Characteristics: Yellow pod wax bean, pod length 13, plant height 40 cm. 80 days to maturity. Resistance: CBM, RSP, Xant. A. Similar: Goldrush. Adaptation: Home gardens. ASTA Cultivar Listing.

Ferrari—Breeder and vendor: Gebroeders Bakker Zaadteelt en Zaadhandel B.V. PVP 9500119.

Festiva (XP378)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: round podded very dark green bush bean; pods 5.5" long. Resistance: BCMV. Similar: True Blue. Adaptation: processing in U.S. ASTA Cultivar Listing. PVP 9900071.

Flamata (RS 200)—Breeder and vendor: Royal Sluis B.V. Characteristics: 91 day maturity, 14 cm flageolet bean on 30–40 cm plants; 6 seeds per pod. Resistance: common bean mosaic, Anthracnose. PVP 8100086.

Flaveol (77-RS-1703)—Breeder and vendor: Royal Sluis B.V. Characteristics: 91 day maturity, 14 cm flageolet bean on 30–40 cm plants; 6 kidney/round shaped seeds per pod. Resistance: common bean mosaic, anthracnose. PVP 8100101.

Flavor Sweet (HMX 0946)—Breeder and vendor: Harris Moran Seed Co. Parentage: open pollinated. Characteristics: green bean, round whole bean.

Flevaro—Breeder and vendor: Seminis Vegetable Seeds. PVP 9200197.

French Filet—Vendor: W. Atlee Burpee Co.

Frenchy (RS 2216)—Breeder and vendor: Royal Sluis. Parentage: Prelude x own parent lines. PVP 8000138.

Fury (XP349)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: round green bush snap bean, sieve size 4–5, heat set potential; pods 5.4" long, medium green color, 64 days to maturity. Resistance: bacterial brown spot, BCMV. Similar: True Blue. ASTA Cultivar Listing. PVP 200000130.

Galagold—Breeder and vendor: Gallatin Valley Seed Co. PVP 8000048.

Galamor—Breeder and vendor: Gallatin Valley Seed Co. PVP 7300025.

Galaslim—Breeder and vendor: Gallatin Valley Seed Co. PVP 7300022.

Gentry—Breeder and vendor: Novartis Seeds, Inc. Characteristics: 54 days, mild blue lake type on medium erect bush, 12–13 cm long, round, green pods. Resistance: BCMV races 1 and NY 15. PVP 9100041.

Goldkist—Breeder and vendor: Novartis Seeds, Inc. Characteristics: 59 days, full season Slenderwax type, 14–15 cm long pods on large upright bush. Resistance: BCMV races 1 and NY 15, bacterial

brown spot tolerant; tolerant to some rusts. PVP 8600053.

Grand Canyon—Breeder and vendor: Idaho Seed Bean Co. PVP 7600012.

Green Gator 15—Breeder and vendor: Harris Moran Seed Co. Characteristics: 53 days, 6–7" pod size, #4 sieve, round/oval pods. Resistance: BCMV (I).

Hercules (XP373)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: extremely high yields, large sieve, length 5.8". Resistance: bacterial brown spot, BCMV. Similar: Benton. Adaptation: North America. ASTA Cultivar Listing. PVP 9900434.

Highway—Breeder and vendor: Seminis Vegetable Seeds. PVP 9400078.

HM 946 (HMX 0946)—Breeder and vendor: Harris Moran. Characteristics: open pollinated, green, round whole bean. ASTA Cultivar Listing.

Hurricane (XP393)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: bush bean, round green pods with fiber, early maturity, reliable setting under heat, pods are 5.6" long. Resistance: BCMV, rust, rust race 38. Similar: Hileah. Adaptation: SE and NE United States and Mexico. ASTA Cultivar Listing. PVP 200000133.

Igloo—Breeder and vendor: Hague-Igloo Vegetable Seeds, Inc. PVP 9700133.

Jade (GB45-1-3-1)—Breeder and vendor: Novartis Seeds, Inc. Parentage: I213 / OSU 4094-1-1 / 3 / Galaslim / Early Gallatin // H318-2-1 / 4 / I213 / ODU 4094-1-1 // H267 / Galaslim. Characteristics: fresh market, large upright bush, 16–18 cm round green pods. Resistance: BCMV races 1 and NY15, curly top virus, tolerant to some strains of rust. PVP 9200052.

Jumbo—Breeder and vendor: Novartis Seeds, Inc. PVP 8100177.

Kentucky Blue—Breeder and vendor: Novartis Seeds, Inc. Parentage: OSU 4911 / Kentucky Wonder. Characteristics: 60 days, 15–20 cm round green podded pole bean; 1991 AAS winner. Resistance: BCMV race 1; tolerance to some rusts. PVP 9000127.

Kentucky King (RS 1901)—Breeder and vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: flat podded green bush bean, Kentucky type. Resistance: BCMV I gene. Similar: Green Crop. Adaptation: Home gardens. ASTA Cultivar Listing.

Keygold—Breeder and vendor: Rogers Brothers Seed Co. Characteristics: 56 day 15 cm round golden yellow pods, white seeds, bush bean for processing or fresh market. Resistance: BCMV NY race 15. PVP 8000111.

Lake Erie—Breeder and vendor: Rogers Brothers Seed Co. Characteristics: 56 days; dark green 14 cm long, round, green pods; white seeded Blue Lake Bush type. Resistance: BCMV NY race 15, pod mottle. PVP 7100031.

Lake Geneva—Breeder and vendor: Rogers Brothers Seed Co. Characteristics: 58 days; dark green 16 cm long, round, green pods; white seeded, medium sieve, Blue Lake Bush type. Resistance: BCMV NY race 15, pod mottle; some races of rust. PVP 7200068.

Lake Largo—Breeder and vendor: Rogers Brothers Seed Co. Characteristics: 58 days; dark green 16 cm long, round, green pods; white seeded, large sieve, Blue Lake Bush type. Resistance: BCMV NY race 15, some races of rust. PVP 7400104.

Lake Seneca—Breeder and vendor: Rogers Brothers Seed Co. Characteristics: 58 days; dark green 14.6 cm long, round, green pods; white seeded, Blue Lake Bush type for processing. Resistance: BCMV NY race 15, some races of rust. PVP 7500096.

Lake Shasta—Breeder and vendor: Rogers Brothers Seed Co. Characteristics: 57 days; dark green 14 cm long, round, green pods; white seeded, small leafed, Blue Lake Bush type for processing. Resistance: BCMV NY race 15, pod mottle. Adaptation: wide. PVP 7100030.

Lake Superior—Breeder and vendor: Rogers Brothers Seed Co. Characteristics: 57 days, heavy setting, dark green, 14 cm long, round, green pods; white seeded, small leafed, Blue Lake Bush type for processing. Resistance: BCMV NY race 15, pod mottle. Adaptation: wide. PVP 7100034.

Lancer—Breeder and vendor: Rogers Brothers Seed Co. PVP 7800058.

Landmark—Breeder and vendor: Rogers Brothers Seed Co. Char-

acteristics: 53 days, Topcrop shipping type, large upright bush with 17–19 cm long, round, green pods. Resistance: BCMV races 1 and NY 15.

Lute—Breeder and vendor: Royal Sluis B.V. PVP 8000137.

Mancayo (BF 609)—Breeder and vendor: Novartis Seeds, Inc. Characteristics: developed for Europe. PVP 9700334.

Marseille—Breeder and vendor: Harris Moran Seed Co. Characteristics: 52 days, 4–5" round dark green pods, #3 sieve; French green bean.

Masai—Breeder and vendor: Novartis. Parentage: Ludibel/Aramis /3/ Brelan /RH13 // Slenderette / RH13. PVP 9300155.

Medinah—Breeder and vendor: Novartis Seeds, Inc. PVP 9900211.

Mercury—Breeder and vendor: Novartis Seeds, Inc. PVP 200000049.

Miami—Breeder and vendor: Rogers Brothers Seed Co. Characteristics: 54 days, medium green 14 cm long, round, green pods; white seeded; shipping/fresh market type. Resistance: BCMV NY race 15, some races of rust. Adaptation: wide. PVP 7100036.

Minidoka—Breeder and vendor: Novartis Seeds, Inc. Parentage: OSU 4911 / Kentucky Wonder. PVP 9000128.

Mirada—Breeder and vendor: Novartis Seeds, Inc. Parentage: Triumph / Strike. Characteristics: 55 days, Tendercrop type with blue lake color; 13–16 cm pods on large erect bush. Resistance: BCMV races 1 and NY 15. PVP 9200134.

Modus (Num 7318)—Breeder and vendor: Nunza B.V. Parentage: Oregon 1604/ Groffy // Slenderette. Resistance: BCMV 1, NY15, curly top, anthracnose, halo blight. PVP 9100213. 1990.

Monaco—Breeder and vendor: Holland-Select Research B.V. PVP 8200188.

Montpellier French (Prod. 353)—Breeder and vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: large pods, good plant type, attractive pod, pod length 13–15 cm. Resistance: anthracnose, bacterial brown spot, BCMV, halo blight. Similar: Xera. Adaptation: home gardens, U.S. ASTA Cultivar Listing.

Nelson—Breeder and vendor: Holland-Select Research B.V. PVP 9500049.

Neapolitan Pole—Breeder and vendor: Burpee. Characteristics: sugary taste, uniformly large, long, flat pods.

Nerina—Breeder and vendor: Royal Sluis B.V. Characteristics: 78 days, 40–50 cm erect plants with 13–14 cm long dark green, round, stringless pods; white seeds, dwarf French bean. Resistance: BCMV. PVP 8200131.

Nicelo—Breeder and vendor: Seminis Vegetable Seeds. PVP 9600253.

Nickel—Breeder and vendor: Vilmorin, S.A. PVP 9400155.

Nittany (EX288)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: Round, green bush bean for processing, large sieve, heat tolerant. Resistance: BCMV. Adaptation: Eastern and Mid Atlantic U.S. ASTA Cultivar Listing.

Nomara (78-RS-1254)—Breeder and vendor: Royal Sluis B.V. Characteristics: 77 days, 35–45 cm erect plants with 10 cm long dark green, round, stringless pods; white seeds slow to prominence, dwarf French bean with maturity similar to Pros Gitana. Resistance: common bean mosaic, anthracnose. PVP 8100100.

Normandie—Breeder and vendor: Harris Moran Seed Co. Characteristics: tall plant upright habit, 4.5–5" round dark green beans for "baby" bean specialty market. Resistance: BCMV (I), halo blight tolerant.

Northeast—Vendor: Johnny's Selected Seeds.

Nugget—Breeder and vendor: Harris Moran Seed Co. Characteristics: 52 days 5.5" round yellow pods. Resistance: BCMV (I). PVP 9500189.

Oja (EX389)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: compact plant with pods set well off the ground; pods 1.7 cm and darker green than Roma II. Resistance: BCMV. Similar: Lodi, Gina. Adaptation: Wisconsin, New York.

Ovation—Breeder and vendor: Royal Sluis B.V. Parentage: two proprietary parental lines. Characteristics: dwarf French bean. Similar: Nerina. PVP 8200132.

Pierre—Breeder and vendor: Harris Moran Seed Co. Parentage: Booz/VS 76-79. Characteristics: 58 days 5.5", medium green round

Pods. Resistance: BCMV (I), halo blight tolerant. PVP 9100109.

Pix—Breeder and vendor: Seminis Vegetable Seeds. PVP 9700328.

Polder—Breeder and vendor: Vilmorin S.A. PVP 9800095.

Probe—Breeder and vendor: Harris Moran. Characteristics: fresh market bush with pods set high, medium green pods 6.5", white seeded; persistent-green gene, #4 sieve size. Resistance: BCMV (I), curly top; tolerant to bacterial brown spot, calico mosaic virus II, Aphanomyces.

Profit Maker—Breeder and vendor: Novartis Seeds, Inc. PVP 8100174.

Pros—Breeder and vendor: Royal Sluis B.V. PVP 7800102.

Quantum (22700)—Breeder and vendor: Seminis Vegetable Seeds. Characteristics: extra dark green pods, 6" long; processor, cut sliced, good fresh market; less concentrated. Resistance: halo blight; tolerant to SCPF. Similar: Xera. Adaptation: Caribbean, Central America. ASTA Cultivar Listing.

Raider—Breeder and vendor: Rogers Brothers Seed Co. Characteristics: 53 days, medium green 14 cm long, round, green pods; white seeded; shipping, processing type. Resistance: BCMV NY race 15, some races of rust. Adaptation: wide. PVP 7400069.

Rainier—Breeder and vendor: Harris Moran Seed Co. PVP 7100097.

Rapids—Breeder and vendor: Harris Moran Seed Co. Parentage: 1D X1452/1C X2062 (w) MsMs. Characteristics: 50 days, 5" dark green, round pods, #4 sieve size, Bush Blue Lake type. PVP 9100010.

Rebel—Breeder and vendor: Rogers Brothers Seed Co. Characteristics: 53 days, medium green 12.7 cm long, round, green pods; white seeded bush bean, good yielding shipping or processing type. Resistance: BCMV NY race 15, pod mottle, some races of rust. PVP 7100033.

Romano 942—Breeder and vendor: Harris Moran Seed Co. Characteristics: 55 days; 5.0–5.5" light green flat pods, #5 sieve.

Romano Pole—Breeder and vendor: Rogers Brothers Seed Co. Characteristics: 66 day, 14–15 cm long flat green shell bean on 5–6' climbing pole bean. Resistance: BCMV races 1 and NY 15.

RS 1243—Breeder and vendor: Royal Sluis. Parentage: Amber / Finela // Gitana / Selema. Characteristics: concentrated pod set, upright plant-type with small leaves, short pods, good flesh quality, slow seed development, dark green color after blanching.

Sable—Breeder and vendor: Harris Moran Seed Co. Characteristics: 58 days 5.5" dark green pods, #4 sieve size; Bush blue lake type. Resistance: BCMV (I), halo blight, anthracnose.

Saratoga—Breeder and vendor: Seminis Vegetable Seeds. PVP 9800016.

Saurus—Breeder and vendor: Nunza B.V. PVP 9600185.

Savannah (HMX 6999)—Breeder and vendor: Harris Moran. Characteristics: round, dark green, 3–4 sieve size, 55 days to maturity, pod length 14 cm. Resistance: BCMV I gene, CTV, Ca1 MV, Aphanomyces root rot, halo blight. Similar: Labrador. ASTA Cultivar Listing.

Score—Breeder and vendor: Harris Moran Seed Co. Parentage: Picker/Slimgreen. PVP 7900039.

Seville—Breeder and vendor: Novartis Seeds, Inc. Parentage: H523-3-1 / H550-2-1-5 // H467-4-6-2 / H314-11-3. Characteristics: fresh market, 56 days, large erect bush with 14–16 cm green pods. Resistance: BCMV races 1 and NY 15. Adaptation: Michigan through SE and SW U.S. PVP 9100178.

Shamrock's Genuine (SSC 1205)—Breeder and vendor: Shamrock Seed Co, Inc. Parentage: open pollinated. Adaptation: southeast U.S.; other bean growing regions. 1999.

Shannon—Breeder and vendor: Novartis Seeds, Inc. PVP 8200007.

Sinclair Butterwax—Breeder and vendor: Agway, Inc. PVP 7100100.

Skil—Breeder and vendor: Royal Sluis B.V. Characteristics: 75 days; 40–50 cm erect plants with 14 cm long medium green, round, stringless pods; white seeds; dwarf French bean. Resistance: common bean mosaic, anthracnose; tolerance to heat. Adaptation: continental climate. PVP 7700061.

Slimgym—Breeder and vendor: Novartis Seeds, Inc. PVP 8300047.

Smilo—Breeder and vendor: Royal Sluis B.V. Parentage: Tendercrop x proprietary line. Characteristics: green podded dwarf

snap bean, slim, short, stringless pods for whole canning or freezing. Resistance: anthracnose.

Soleil—Breeder and vendor: Vilmorin, S.A. PVP 9500140.

Sonata—Breeder and vendor: Harris Moran Seed Co. Characteristics: fresh market; high pod set, lodging resistant; medium green, round pods. Resistance: BCMV (I). Adaptation: Florida and U.S. PVP 9700405.

Stallion—Breeder and vendor: Seminis Vegetable Seeds. PVP 9700330.

Standard—Breeder and vendor: W. Atlee Burpee and Co. Parentage: open pollinated. Characteristics: garden bean.

Storm—Breeder and vendor: Seminis Vegetable Seeds. PVP 9700329.

Stride—Breeder and vendor: Rogers Brothers Seed Co. PVP 8700150.

Summit—Breeder and vendor: Novartis Seeds, Inc. Parentage: BBL 92 // BBL 47 / H2852A-2-3-1.

Sunburst (XP 8104639)—Breeder and vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: medium sized wax bean with smooth pods and golden yellow color. Resistance: BCMV, halo blight. Similar: Gold Mine. Adaptation: Florida.

Sunrise—Breeder and vendor: Rogers Brothers Seed Co. PVP 7100029.

Symphony—Breeder and vendor: Harris Moran Seed Co. Characteristics: 53 days, 5.5" dark green round pods #4 sieve size. Resistance: BCMV (I). PVP 9500229.

Tempest—Breeder and vendor: Harris Moran Seed Co. Parentage: Early Gallatin/Greensleeves // Slenderette/Blue Crop /3/ Bush Blue Lake Pole 47 /4/ Hystyle. PVP 9300267.

Tenderwax—Breeder and vendor: Charter Seed Co. PVP 7100068.

Teseo—Breeder and vendor: Novartis Seeds, Inc. PVP 9300156.

Titane (XP 08170403)—Breeder and vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: type III for processing, high yields, high quality, large seed pod. Resistance: bacterial brown spot, bean common mosaic. Similar: Hystyle. Adaptation: northeastern U.S.

Toga—Breeder and vendor: Harris Moran Seed Co. PVP 8400109.

Trend—Breeder and vendor: Royal Sluis B.V. PVP 8000139.

Unidor—Breeder and vendor: Seminis Vegetable Seeds. PVP 9600085.

Vald'or—Breeder and vendor: Harris Moran Seed Co. PVP 9600230.

Venture—Breeder and vendor: Novartis Seeds, Inc. Characteristics: early, 51 day, Blue Lake bush type, 14 cm long, round green pods. Resistance: BCMV races 1 and NY 15. PVP 8600052.

Volunteer (EX 8104429)—Breeder and vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: Maintainer half runner, strong plant, unique. Resistance: rust. Similar: State Half Runner. Adaptation: eastern U.S.; fresh market.

Warrior (XP 8104409)—Breeder and vendor: Seminis Vegetable Seed. Parentage: open pollinated. Characteristics: whole pod, dual purpose bean with 13.5 cm long pod and a sieve size distribution of 25% size 1–3, 59% size 4, 9% size 5–6; dark pod color and enhanced performance reliability. Resistance: BCMV, rust. Similar: Labrador, Matador, Conquistador. Adaptation: processing industry in North America. 2001.

Wax 216—Breeder and vendor: Novartis Seeds, Inc. PVP 8800112.

Wax Romano 82264—Breeder and vendor: Novartis Seeds, Inc. Parentage: Earliwax / Gallatin 50 /3/ Kinghorn Wax // Puregold Wax / Brittle Wax /4/ Mendoza. Characteristics: 59 day, Wax/Romano bush bean, 16 cm flat yellow pods. PVP 9200135.

Zeus (XP 371)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: extremely large yields with large sieve, length 5.2". Resistance: BCMV, halo blight. Similar: Hystyle. Adaptation: North America. ASTA Cultivar Listing. PVP 9900072.

Zodiac—Breeder and vendor: Seminis Vegetable Seeds. Characteristics: 56 days, 6–7" pod size, sieve size #3, medium green round pods. PVP 9600254.

BEAN—LIMA

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Bush Florida Butter—Breeder and vendor: Ben Fish and Son. PVP 7300045.

C-Elite—Breeder and vendor: Ben Fish and Son. PVP 7605001.

Dompe 95—Breeder and vendor: Ben Fish and Son. PVP 8000094.

Maffei 8—Breeder and vendor: LD Maffei Seed Co., Inc. PVP 8100044.

Maffei 15—Breeder and vendor: Agri Sales, Inc. PVP 8200005.

Maffei 57—Breeder and vendor: LD Maffei Seed Co., Inc. PVP 8300058.

Maffei 76—Breeder and vendor: LD Maffei Seed Co., Inc. PVP 7700005.

Mendoza—Breeder and vendor: Ben Fish and Son. PVP 7200055.

Merced—Breeder and vendor: Agri Sales, Inc. PVP 9800310 pending.

Sprigg—Breeder and vendor: Ben Fish and Son. PVP 7900042.

BEET

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Big Top—Breeder and vendor: Johnny's Selected Seeds. 1999.

Centurion (PS 589)—Breeder and vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: bunching, tops 12 to 14 inches tall, round shape, clean leaves, early maturity, blood red interior color, does not bleed. Similar: Little Ball. Adaptation: U.S., France. 1999.

Chariot (PS 185)—Breeder and vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: processing, bunching, upright foliage, blood red interior, medium tall, globe shaped top, uniform smooth crowns, late maturity. Similar: Red Ace. Adaptation: Pacific northwest, Wisconsin, Michigan, New York, New Jersey. 1999.

Red Heart—Breeder and vendor: W. Atlee Burpee and Co. Parentage: hybrid. 2000.

BROCCOLI

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Centauro (ATX218B)—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: Good head weight with vigorous plant habit, vigorous even under stress, medium to late maturity, long florettes for processing, small bead size. Adaptation: Mexico; processing. 1998.

CMS Liberty (PS184094)—Breeder and vendor: Petoseed. Parentage: F1 hybrid. Characteristics: Versatile commercial hybrid based on CMS mating system; performs best in spring/fall harvest cycles; suitable for freshmarket, bunching, crown cuts or floretts; excellent as frozen product. Similar: Liberty. 1997.

Coronado (XPH12007)—Breeder and vendor: Asgrow. Parentage: F1 hybrid. Characteristics: Hybrid based on CMS mating system; early to midseason maturity, large, firm, high dome head shape, suitable for crown cuts. Resistance: clubroot U.S. race 7. Similar: Majestic, Greenbelt. 1999.

Coronado Crown (XP 1277)—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds-Asgrow. 2000.

Crown Jewel (XP 12211)—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteris-

tics: nice dome, medium bead size, possible first crown cut quality, for high temperature planting areas. Similar: no cultivar like it. Adaptation: southwest U.S. 1997.

Domador (XP22505)—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: firm dome, fine bead, good yield, high quality crown set heads. Similar: Marathon. Adaptation: California, Arizona, Mexico, Central America. 1999.

Dynasty (XPH12040)—Breeder and vendor: Asgrow. Parentage: F1 hybrid. Characteristics: Vigorous, cool season hybrid with excellent yield and processing qualities, semi-flat heads, small bead size, dark green color. Resistance: seedling and adult plant resistance to downy mildew. Similar: Marathon. 1995.

General (PS 241594)—Breeder: Mike Vanoni. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: early maturity, 80 to 85 days, fine beaded domed head, improved holding ability; best for fall production. Similar: Everest. Adaptation: California, Arizona. 1999.

Grandeur—Breeder and vendor: Hung Nong. Parentage: F1 hybrid. Characteristics: Cool season hybrid with good heat tolerance; high domed heads with good weight and medium bead size; suitable for fresh market or processing. Similar: Marathon. 1997.

Green Comet—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: Vigorous plant, good for fresh market and home garden, very early maturity, deep green color, semi-dome head shape, medium to large beads; best harvest during summer and fall. 1968.

Headline (ATX386)—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: Medium plant size, midseason maturity, high dome head shape, small to fine beads, high tolerance to downy mildew, suitable for fresh market. Similar: Landmark. 1990.

Heritage (PS255295)—Breeder and vendor: Petoseed. Parentage: F1 hybrid. Characteristics: Vigorous CMS based hybrid with intermediate resistance to downy mildew, best for winter and spring harvest seasons; widely adapted, suitable for various fresh cuts as well as for freezing. 2000.

Laguna—Breeder and vendor: Rogers. Parentage: F1 hybrid. Characteristics: Midseason maturity, medium dome head shape, small bead size, excellent uniformity, good tolerance to downy mildew, good for crown cuts, good field holding. Adaptation: coastal California. 1998.

Landmark (ATX368)—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: Medium plant size, midseason maturity, high dome head shape, small to fine beads, excellent holding, some heat tolerance, suitable for fresh market. Similar: Pinnacle. 1990.

Majestic Crown (XP 5510068)—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: dome shaped head, smooth, short florets, makes great looking crown pack. Similar: Greenbelt. Adaptation: fresh market for bunching, crowns or fresh processing. 2000.

Montecristo (ATX322)—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: Early maturity, good head extension, dark stem color, very uniform maturity, performs well even under rainy conditions, suitable for processing. Adaptation: coastal California and Mexico. 1997.

Monterey (SBC5505)—Breeder and vendor: Sakata. Parentage: F1 hybrid. Characteristics: Medium tall plant, midseason to late maturity, dense, dome head shape, fine bead size, suitable for fresh market or processing. Resistance: downy mildew. Similar: Marathon. 1998.

Munchkin (PS 104093)—Breeder: Candace Kocher. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: open pollinated. Characteristics: small dwarf plant, very early maturity, good quality heads, medium fine bead, medium high dome; not for commercial use. Similar: no cultivar like it. Adaptation: U.S., Canada; home garden. 1998.

Neptuno (HNS 11591635)—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: very smooth, very high dome, compact head, fine bead; better heat tolerance than Marathon. Similar: Mathon, Legacy. Adaptation: Mexico. 2000.

Nomad (SBC4407)—Breeder and vendor: Sakata. Parentage: F1

hybrid. Characteristics: Medium plant height, midseason maturity, smooth dome shape, medium small bead size, good under moderately warm conditions, suitable for bunching or crown cuts. Resistance: downy mildew. 1997.

Patron (SBC8409)—Breeder and vendor: Sakata Seed. Parentage: F1 hybrid. Characteristics: outstanding broccoli that compares favorably to Patriot. Similar: Patriot. Adaptation: broccoli growing regions. 2000.

Pilgrim—Breeder and vendor: Hung Nong. Parentage: F1 hybrid. Characteristics: Midseason maturity, medium size plant with good heat tolerance. Similar: Greenbelt. Adaptation: wide. 1997.

Pinnacle (ATX408)—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: Medium plant size, midseason maturity, high dome head shape, small to fine bead size, good field holding and long shelf life. Similar: Emerald City. Adaptation: summer to fall harvest period. 1988.

Premium Crop—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: Stable and vigorous growth, medium plant size, early maturity, dome head shape, medium bead size. Resistance: some heat tolerance. Similar: Southern Comet. 1975.

Southern Comet—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: Medium plant size, early maturity, few side shoots, low dome head shape, medium to large bead size, suitable for fresh market or processing. Similar: Packman. 1975.

Tierra (ATX307)—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: Early maturity, semi-dome head shape, medium bead size, best for fresh market. Adaptation: summer to fall, coastal California, Colorado, Northeastern North America. 1997.

Windsor—Breeder and vendor: Rogers. Parentage: F1 hybrid. Characteristics: Midseason maturity, semi-dome head shape, medium bead size, open plant architecture making it suitable for humid environments. Resistance: good tolerance to downy mildew. Adaptation: Northeastern U.S. and Eastern Canada. 1998.

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Content (40129)—Breeder: Nikerson-Zwaan Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: F1 hybrid. Characteristics: mid-early maturity; produces medium size plants with medium size sprouts that are round and dark green; medium to hard pick. Similar: Diablo. Adaptation: Baja California, California, northeast U.S.; fresh market. 1995.

Dutch Treat (40129)—Breeder: Jim Waltrip. Vendor: Seminis-Seminis Garden. Parentage: F1 hybrid. Characteristics: fresh market, 170 to 180 day maturity, smooth, sprouts close to stalk, very uniform setting, upright plant. Similar: Amoroso. Adaptation: home garden. 2001.

CABBAGE

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Arrowhead—Breeder and vendor: Vilmorin Seed Co. Parentage: F1 hybrid. 2000.

Aruba—Breeder: Dan Holmes. Vendor: Seminis Vegetable Seeds. Characteristics: large, blue-green heads. Resistance: fusarium yellows, black rot, tipburn.

Atlantis—Breeder and vendor: Petoseed. Characteristics: fresh market hybrid with excellent round dense heads and very good field holding ability. Resistance: fusarium yellows, black rot, tipburn tolerance.

Azurro—Breeder: Bejo Seeds. Vendor: Seedway. Characteris-

tics: F1 hybrid, quick heading, vigorous, uniform, numerous wrapper leaves. Resistance: Black leg, thrips and tipburn tolerant.

Balaton—Breeder and vendor: Bejo Seeds. Characteristics: F1 hybrid; storage type, with round, large heads, excellent storer with high dry matter. Resistance: tolerance to black speck and tipburn.

Bartolo—Breeder and vendor: Bejo Seeds. Characteristics: F1 hybrid; storage type, with high yields, long storage and attractive waxy wrappers. Resistance: tolerance to black speck and tipburn.

Bayou Dynasty—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds. Characteristics: medium, blue-green, semi-round head. Resistance: fusarium yellows, black rot.

Blue Dynasty—Breeder: Tom McBride. Vendor Seminis Vegetable Seeds. Characteristics: vigorous, fresh market hybrid with round head and good wrappers. Resistance: fusarium yellows, black rot.

Blue Vantage—Vendor: Harris Seeds. Characteristics: F1 hybrid with large heads good wrapper leaves; short cores and excellent holding ability.

Bobcat—Breeder and vendor: Reed's Seeds. Characteristics: Mid-early high yielding fresh market cultivar; holds well and has good flavor. Resistance: fusarium yellows, excellent thrips tolerance, black rot tolerance.

Bravo—Vendor: Harris Seeds. Characteristics: F1 hybrid with uniform, large round heads, blue-green color; performed well in southern U.S. in winter and in northern U.S. in summer.

Bronco—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: F1 hybrid fresh-market fancy type with waxy wrappers, excellent yield and shipping quality. Resistance: fusarium yellows; tolerance to tipburn and black rot.

Charmed Dynasty (XP 15753)—Breeder: Tom McBride. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: early maturing white cabbage, Charmant type, tip burn tolerant; good field heading. Resistance: fusarium yellows. Similar: Charmant. Adaptation: worldwide. 2000.

Coleguard (HMX5252)—Vendor: Harris Moran.

Colorsa—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: unique red Savoy F1 hybrid with sweet flavor, excellent wrappers; turns blue-purple when cooked. Resistance: tipburn tolerant.

Comparsa—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: early F1 hybrid, compact-growing, dense, finely-savoyed, green. Resistance: fusarium yellows, tipburn tolerant, thrips tolerant.

Coral Sea—Breeder: Dan Holmes. Vendor: Seminis Vegetable Seeds, Petoseed brand. Characteristics: early, round heads. Resistance: Black rot, heat tolerance.

Desert Vantage (SCB6110)—Breeder and vendor: Sakata Seed. Characteristics: outstanding cabbage. Adaptation: desert southwest. 2000.

Desmond—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: excellent storage F1 with flat, round medium-large heads. Uniform when crowded for fresh market storage. Resistance: fusarium yellows. Tipburn, black speck and thrips tolerant.

Dialog—Breeder and vendor: Bejo Seeds. Characteristics: processing F1 hybrid; vigorous with extra large, very dense heads; excellent for mechanical harvesting. Resistance: fusarium yellows, tipburn.

Discover—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: vigorous processing F1 hybrid with very large, dense heads; very high dry matter and excellent holding ability. Resistance: fusarium yellows; tolerance to tipburn.

Discovery—Breeder and vendor: Petoseed. Characteristics: fresh-market hybrid with medium large blue-green heads and excellent flavor; allows for high density population. Resistance: fusarium yellows, tipburn tolerance.

Dynamo—Vendor: Harris Seeds. Characteristics: F1 hybrid with uniform, dense, small heads with blue-green color. Resistance: black rot.

Early Dynasty (XP 15701)—Breeder: Tom McBride. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: Pacific class hybrid, round green head that holds well. Resistance: fusarium yellows. Similar: Headstart. Adaptation: California, Arizona. 2000.

Famosa—Breeder: Bejo Seeds. Vendor: Seedway. Characteris-

tics: early Savoy F1 hybrid with dark green, well wrapped, dense heads. Resistance: tipburn tolerant.

Faroo—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: fresh-market, 62 day maturity, sweet, dense heads, good field holding. Resistance: tipburn, thrips tolerant.

Fastball—Vendor: Burpee Seed.

Fresco—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: fresh-market F1 hybrid with well-wrapped heads and good field holding. Resistance: fusarium yellows, tipburn, thrips, and black rot tolerant.

Fuerte—Breeder and vendor: Bejo Seeds. Characteristics: fresh-market F1 hybrid with uniform, round, well-wrapped heads of medium density; compact, blue-green heads. Resistance: fusarium yellows, tipburn.

Genesee—Breeder and vendor: Petoseed. Characteristics: processing hybrid with uniform, large round, dark gray-green heads; high yields and dry matter. Resistance: fusarium yellows, tipburn tolerance.

Golden Dynasty (XP 5218017 CMS)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: early maturing hybrid for fresh market; large head size; CMS hybrid with good uniformity and consistent seed production; rounder head than Headstart under cold conditions; head size 17 × 18 cm with 8 cm core; excellent quality for fresh cut end uses. Resistance: fusarium yellows; black rot. Similar: Headstart, Grenadier. Adaptation: U.S. 2001.

Heads Up—Vendor: Harris Seeds. Characteristics: F1 hybrid, early maturing with uniform plants. Resistance: fusarium yellows.

Huron—Breeder and vendor: Petoseed. Characteristics: storage hybrid with bright green color, round tapered heads and long storage. Resistance: fusarium yellows, thrips tolerance.

Ireland—Breeder and vendor: W. Atlee Burpee Co.

Kaitlin—Breeder and vendor: Bejo Seeds. Characteristics: processing F1 hybrid with very large, very dense heads that cut well mechanically. Resistance: fusarium yellows, tipburn.

King Slaw—Breeder and vendor: W. Atlee Burpee Co.

Loughton—Breeder: Nickerson-Zwaan. Vendor: Shamrock Seed Co. Characteristics: storage hybrid with large, round heads. Resistance: fusarium yellows.

Mentor—Breeder and vendor: Bejo Seeds. Characteristics: processing F1 hybrid with uniform, very large and dense heads; excellent yields for kraut or slaw. Resistance: fusarium yellows, tipburn.

Missouri—Breeder and vendor: Seminis Vegetable Seeds. Characteristics: late hybrid with large, round, gray-green tapered heads. Resistance: thrips tolerance.

Odina—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds. Characteristics: late hybrid with large, blue-green heads. Resistance: fusarium yellows, moderate black rot.

Parel—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: early maturity, fresh-market, F1 hybrid with small compact heads on a short stem. Resistance: tipburn tolerant.

Pillan (38894)—Breeder: Doug Souza. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: tropical, semi-flat head, pale to medium green, early maturity, good heat tolerance, mid to upland type, good holding. Resistance: fusarium yellows. Similar: R.R. Cross. Adaptation: Caribbean, Asia, Brazil. 2000.

Platinum Dynasty (XP 52101257)—Breeder: Tom McBride. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: spring-summer-fall harvest, main season, fresh market, round shape, good size, vigorous growth, good wrapper. Resistance: fusarium yellows, black rot. Similar: Bravo. Adaptation: northeast U.S. 2000.

Primero—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: F1 hybrid with dark red color, compact solid heads on a short stem with few upright wrapper leaves. Resistance: black leg and tipburn tolerant.

Ramada—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: fresh-market F1 hybrid with well-wrapped dense, upright heads, medium-large, dark blue-green. Resistance: fusarium yellows; tolerance to tipburn and black rot.

Red Acre—Vendor: Harris Seeds. Characteristics: solid, small, round heads with dark color; good wrapper leaves; stands well without splitting.

Red Baron—Breeder: Takada Veg. Seed Co. Vendor: Shamrock

Seed Co. Characteristics: red cabbage hybrid with medium size, round heads. Resistance: black rot tolerance.

Red Dynasty—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds. Characteristics: red cabbage hybrid with medium round heads.

Riovoy (SSC 16093 F1)—Breeder: Nozaki Seed. Vendor: Shamrock Seed Co. Parentage: F1 hybrid. Similar: Savoy King. Adaptation: all cabbage growing regions in U.S. 2000.

Royal Dynasty (XP5210387)—Breeder: Glenn Ruttencutter. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: main season CMS, round to semi-round head, blue-green cover canopy; summer-fall in east and south; winter in south. Resistance: XCCR, fusarium. Adaptation: midwestern U.S., south-central U.S. 2001.

RS 3060—Breeder and vendor: Petoseed. Characteristics: late season fresh market hybrid with excellent round dense heads; also suitable for processing. Resistance: fusarium yellows, tipburn tolerance.

RS 3080—Breeder and vendor: Petoseed. Characteristics: attractive storage hybrid with excellent field holding ability and mid-long storage.

RS 3085—Breeder and vendor: Petoseed. Characteristics: storage hybrid with medium heads for fresh market out-of-storage.

RS 4024—Breeder and vendor: Petoseed. Characteristics: red cabbage hybrid with large dark red heads. Resistance: thrips tolerance.

RS 6696—Breeder and vendor: Petoseed. Characteristics: large, vigorous storage hybrid with high yields and long stability. Resistance: thrips tolerance.

Savoy Express—Vendor: Harris Seeds. Characteristics: F1 hybrid, 55 days, small heads, compact plants with few wrapper leaves.

Score—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: large framed processing F1 hybrid, split resistant, excellent standability for mechanical harvest. Resistance: fusarium yellows, tipburn tolerant.

Scorpion (XP 05291105)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: early CMS cabbage for fresh market, maturity is 95 days in summer and 105 days in late spring in Brazil; good holding ability, semi-flat to semi-round heads, high uniformity; tolerant to bolting and cracking. Resistance: Fusarium yellows; black rot. Similar: Shinsei, Kenzan. Adaptation: Brazil. 2001.

Shesheba—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds. Characteristics: large hybrid with round, blue-green heads. Resistance: fusarium yellows.

Showoff (38782)—Breeder: Johan Hofstede. Vendor: Seminis Royal-Sluis. Parentage: F1 hybrid. Characteristics: kraut, 5 days earlier than Atria, excellent yield, flat round heads, 125 days. Resistance: fusarium yellows, thrips. Adaptation: northeastern U.S., Canada, Europe. 2000.

Silver Dynasty—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: high quality hybrid, short core. Resistance: fusarium yellows.

Sombrero—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: F1 red cabbage hybrid, midseason, dense classy wrappers. Resistance: black leg, black speck and thrips tolerant.

Springtide—Vendor: Johnny's Selected Seeds.

Stoltera—Breeder and vendor: Petoseed. Characteristics: red cabbage hybrid with excellent dark color, very short core and high quality. Resistance: thrips tolerance.

Stonehold—Breeder: Candice Kocher. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: early, fresh market hybrid with small, round, exposed heads; susceptible to yellows. Resistance: black rot tolerant.

Taler—Breeder and vendor: Petoseed. Characteristics: very attractive Savoy hybrid with dark green color and medium storability.

Tendersweet—Breeder: Evergrow Seed Co. Vendor: Johnny's Selected Seeds.

Transam—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: processing F1 hybrid with highest dry matter for kraut. Resistance: fusarium yellows; tipburn and black speck tolerant.

Tropigreen—Breeder and vendor: Seminis Vegetable Seeds/

Petoseed. Characteristics: early maturing. Resistance: black rot, heat tolerance.

Upton—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: processing F1 hybrid with excellent standability for mechanical harvest; short storage. Resistance: fusarium yellows; tipburn and black speck tolerant.

Vitaro (Bejo 1599)—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: F1 hybrid, very dark red, round, well wrapped, medium large heads. Re

CABBAGE—CHINESE

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Akala—Breeder and vendor: Enza Zaden.

Banko—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: F1 hybrid with excellent bolt tolerance; tall, narrow, cylindrical shaped heads. Resistance: fusarium yellows, clubroot.

China Express—Vendor: Harris Seeds. Characteristics: early hybrid, slow-bolting Napa type, barrel-shaped, well wrapped, uniform.

Greenwich (SCC7302)—Breeder and vendor: Sakata Seed. Parentage: F1 hybrid. Similar: Michihili Jade Pagoda. 1999.

Jade Pagoda—Vendor: Harris Seeds. Characteristics: F1 hybrid that tolerates cold and is slow to bolt; dark green and crisp. Resistance: bacterial soft rot and virus.

Jazz—Breeder and vendor: Takii. Characteristics: slow-bolting hybrid. Resistance: clubroot.

Joi Choi—Vendor: Harris Seeds. Characteristics: F1 hybrid with 45-day maturity, white stems and dark green leaves. Resistance: cold.

Manoko—Breeder: Bejo Seeds. Vendor: Seedway. Characteristics: F1 hybrid, bolt tolerant, medium green, compact, dense heads. Resistance: fusarium yellows, tipburn tolerance.

Minuet—Breeder and vendor: Johnny's Selections, South Korea. Parentage: F1 hybrid. 2000.

Nekita—Breeder and vendor: Enza Zaden.

Nerva—Breeder and vendor: Enza Zaden.

Prize Choy—Vendor: Johnny's Selected Seeds.

Zen—Breeder: Seminis Vegetable Seeds. Vendor: W. Atlee Burpee Co. Parentage: F1 hybrid. Characteristics: a cross between a Chinese cabbage and an oriental green cultivar (not a genetically modified organism); heat resistant; vigorous growth year around and in any area, even in the summer; harvest 35 days after sowing; thick, green leaf; tender and soft like Komatsuhua (Japanese spinach); moderately sweet like cabbage. Adaptation: U.S. 2001.

CARROT

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Abaco (PS17193)—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: very uniform 6 inch Kuroda/Chantenay with high beta-carotene content; early maturity. Resistance: alternaria leaf blight and powdery mildew. Similar: Andros. Adaptation: Caribbean, South America. 1996.

Alliance (XP3916)—Breeder: L. Baker. Vendor: Seminis/Asgrow. Characteristics: very large healthy improved tops, long tapered roots with filled tip; Imperator hybrid. Resistance: moderate to Alternaria. Similar: Apache. Adaptation: Florida, Colorado, California, Midwest, Canada. 1998.

Andros (PS 16993)—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: early maturing, 7 inch Kuroda/Chantenay with strong tops and high yield. Similar: Abaco. Adaptation: Caribbean. 1996.

- Annapolis (PX131095)**—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: cello jumbo type, main crop maturity, 9–10 inch long tapered blunt roots, strong tip, maincrop maturity, high yield potential hybrid. Similar: Emperor. Adaptation: Northeast United States. 1999.
- Asubeni**—Breeder and vendor: Sakata Seed America. Characteristics: Chantenay type hybrid, mid-early maturity, 8–8.5 inches, very sweet, deep orange color. Similar: Koyo 2gou. Adaptation: United States. 1992.
- Aurora (39144)**—Breeder: Omar Diaz. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: long Kureda/Chantenay with good flavor and smoothness, better color and blight tolerance than established cultivars. Similar: Royal Chantenay. Adaptation: Columbia and Chile. 2000.
- Berlina**—Breeder and vendor: Ferry-Morse. Characteristics: cylindrical Nantes/Berlicum; 8 1/2 to 9 1/2 inch long, 1 1/2 inch wide, excellent resistance to cracking; heavy yields with good color. Similar: Nantes/Berlicum.
- Big Shot (XP3973)**—Breeder: L. Baker. Vendor: Seminis/Asgrow. Characteristics: pushy, very large well-filled root, good strong tops, cello/jumbo Emperor hybrid. Resistance: Alternaria leaf blight. Similar: Apache. Adaptation: United States and Canada. 1999.
- Candy Stick (PS140595 [BB])**—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: peeler, Caropak maturity, smooth exterior color, excellent tops. Similar: Caropak. Adaptation: California. 1998.
- Caroline**—Breeder and vendor: Sakata Seed. Characteristics: Chantenay type hybrid, early maturity, 7–8 inch deep orange root. Similar: Koyo 2gou. Adaptation: United States. 1992.
- Chantenay Carrib F-1 (154 164)**—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: Kuroda type, uniform, high yield, long root 16–17 cm, good vigor, early maturity hybrid. Resistance: Alternaria tolerant. Similar: Koyo II. Adaptation: Caribbean. 1997.
- Chantilly (39108)**—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: long Chantenay, high color, uniform hybrid. Similar: Gold King. Adaptation: home garden. 1999.
- Crispy (PS140695)**—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: jumbo/cello or cut and peel with 10–11 inch roots; crisp texture and light mild flavor; tapered shape with blunt tip; suitable for multipurpose; late maturity. Similar: Vita-treat. Adaptation: NW United States, NE United States and Canada, and California. 1999.
- Diamond Cut (XPH18006)**—Breeder: L.R. Baker. Vendor: Seminis/Asgrow. Characteristics: Emperor hybrid for cello and jumbo production; long semi-cylindrical roots with strong tops. Resistance: moderate for Alternaria. Similar: Choctaw, Cheyenne. Adaptation: Upper Midwestern U.S. and Canada for muck and mineral soils. 1999.
- Dynapeel (PS 711207)**—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: cut and peel type; 14 inch roots that are slender with an even diameter; no shoulder, blunt tip; flavor and texture are excellent relative to competing cultivars. Similar: Sugarsnax. Adaptation: U.S.; cut and peel; grower/shipper. 2001.
- Early Gold (PS70092)**—Breeder: Gordon McWalter. Vendor: Seminis/Petoseed. Characteristics: early dicer Chantenay with high beta-carotene for harvest opener; broad shoulder with 7 inch roots. Similar: Chantenay Red Cored. Adaptation: Midwest. 1996.
- Enterprise (PS41893)**—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: slicer or cut and peel with cylindrical shape and blunt tip; high beta-carotene with uniform interior color; good field holding ability and non-brittle; midseason maturity. Similar: Vita-treat. Adaptation: Washington, Midwest, and Canada. 1995.
- Estrella (RS 912320)**—Breeder: Omar Diaz. Vendor: Seminis-Royal Sluis. Parentage: F1 hybrid. Characteristics: Kuroda type, long, smooth, blunt end, 8–10 inches long, 3/4 inches wide, excellent color, small core. Resistance: Alternaria leaf blight. Similar: Bangor. Adaptation: Central America, Caribbean, Central Mexico. 2000.
- Excellence (XP18002)**—Breeder: L. Baker. Vendor: Seminis/Asgrow. Characteristics: long tops, tapered long cello and jumbo roots, main to late season hybrid. Resistance: Alternaria leaf blight. Similar: Navajo. Adaptation: Washington, Michigan, Canada. 1999.
- Five Star (XP18025)**—Breeder: L. Baker. Vendor: Seminis/Asgrow. Characteristics: early jumbo cello roots, long strong tops Emperor hybrid. Resistance: moderate Alternaria. Similar: Apache. Adaptation: NE United States, Florida, California, Colorado. 1998.
- Gold Nugget**—Breeder and Vendor: Harris-Moran. Characteristics: cylindrical 7–9 inch Emperor, excellent blunting; very sweet flavor. Similar: Emperor. 1993.
- Goldmine**—Breeder: Crookham. Vendor: Sunseeds. Characteristics: cello jumbo type, main crop maturity, 9–10 inches long tapered blunt roots, strong tip, maincrop maturity; heavy yield potential. Similar: Dominator. Adaptation: California. 1983.
- Grower's Choice (KXPC037)**—Breeder: K. Markiewicz-Ladd. Vendor: Polonica International. Characteristics: early, Emperor hybrid, very smooth dark orange exterior and interior color, very strong dark green upright tops, excellent jumbo and cut/peel under dense population. Resistance: Alternaria dauci, premature bolting. Similar: Plato, Apache. 1998.
- Halfback (RCX6972)**—Breeder: Novartis Seeds. Vendor: Frontier. Characteristics: hybrid dicer/Chantenay, 10 days earlier than Gold King; high yield and color. Similar: Goliath. Adaptation: Pacific Northwest and Midwest. 1998.
- Karina (PS42293)**—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: high quality Nantes/Emperor, 18–20 cm root length, excellent core and external color, large vigorous tops with strong attachment. Similar: no cultivar like it. Adaptation: South America, South Africa, Australia. 1998.
- Kurodin (154-279)**—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: midseason, medium length (6–7 inch) Kuroda type hybrid, excellent bolt tolerance and yield potential, smooth exterior, strong tops. Resistance: alternaria leaf blight tolerance. Similar: Andros. Adaptation: Caribbean. 1997.
- Lariat (PS 131695)**—Breeder: Omar Diaz. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Cello/Jumbo type for fresh market, slicer for Northwest and Midwest, 9–10 inches long, main crop. Similar: Navajo. Adaptation: Northwest and Midwest U.S. 2000.
- Mistral**—Breeder and vendor: Ferry-Morse. Characteristics: cylindrical, smooth Nantes/slicer 6.5 inch long, 0.9–1.3 inch wide rounded tip; excellent color with no green shoulders; field holds well. Similar: Nantes.
- Morecuts (KXPC054)**—Breeder: K. Markiewicz-Ladd. Vendor: Polonica International. Characteristics: strong tops 15–17 inch, long and slender roots 14–16 inch long, 3/4 inch diameter, well filled to the tip; smooth roots, small core, dark orange and sweet. Resistance: Alternaria, premature bolting. Similar: Primecut. Adaptation: areas where “baby” carrots are grown. 1997.
- Nantesa Superior**—Breeder and Vendor: Ferry-Morse. Characteristics: cylindrical, well-blunted Nantes 5–7 inch long, 1.2–1.5 inch wide; very resistant to cracking and breakage. Similar: Nantes. Adaptation: Mexico.
- Nutri-Red (PS800295)**—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: red, open pollinated; for lycopene extraction. Similar: no cultivar like it. Adaptation: home garden. 1996.
- Pak Mor**—Breeder and Vendor: Harris-Moran. Characteristics: early maturing hybrid, 8–10 inch show taper with semi-blunt tip. Similar: Dominator, Apache.
- Paydirt**—Breeder and Vendor: Shamrock Seed Company. Characteristics: Emperor type, early maturity, cylindrical roots, good tip fill 10–11 × 1.6 inch, strong tops and top attachment, heavy yielder. Resistance: Alternaria blight, powdery mildew. Similar: Emperor. Adaptation: California, Arizona, Texas, Florida. 1995.
- Petite Claire (HMX8324)**—Breeder: Clause. Vendor: Harris Moran Seed Co. Characteristics: cylindrical, slightly tapered roots, smooth, strong tops and early. Adaptation: Mexico, Canada, Nantes growing regions of the United States. 1999.
- Pipeline (XP18004)**—Breeder: L. Baker. Vendor: Seminis/Asgrow. Parentage: F1 hybrid. Characteristics: long, semi-tapered, slightly later than Diamond Cut, medium maturity, Emperor type. Similar: Choctaw. Adaptation: Northeast United States. 1999.
- Prelude (PS38891)**—Breeder: R. Maxwell. Vendor: Seminis/

Petoseed. Characteristics: cello type with high beta-carotene; 8–9 inch length with gradual taper to a blunt tip; maincrop maturity. Similar: Temptation. Adaptation: NE United States and Canada, California, Colorado. 1993.

PrimeCut 59—Breeder: R. Freeman. Vendor: Sunseeds. Characteristics: slender imperator with excellent color and eating quality; 9–11 inch under high populations; best suited for cut/peel production; strong foliage, smooth exterior. Resistance: strong tolerance to *Alternaria dauci*. Similar: Long Imperator. Adaptation: most commercial carrot production areas where imperator type is used. 1995.

Prodigy (PS 302295)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: Danvers, Flakkee shape; root length 23–26 cm, CMS, high yield, strong top, good internal color and flavor; for the cut and peel, cello and processor markets. Adaptation: northeast U.S. 2001.

Prospector (PS3282)—Breeder: Dale Kammerlohr. Vendor: Seminis/Petoseed. Characteristics: long 9–10 inch smooth imperator type with mild sweet flavor; high yield and uniform color. Similar: Imperator. Adaptation: Midwest, California. 1986.

Recoleta (PS306796)—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: Berlicum shape, root length is 22–25 cm, strong healthy tops, good for processing. Similar: Goliath. Adaptation: Argentina, North America. 1999.

Rival—Breeder and Vendor: Ferry-Morse. Characteristics: cylindrical, smooth Nantes/slicer 8–9 inch long, 1–1.5 inch wide; uniform interior and exterior color; field holds well; very sweet flavor. Similar: Nantes.

Sophie (HMX8325)—Breeder: Clause. Vendor: Harris Moran Seed. Characteristics: cylindrical Nantes roots, very sweet, tender, juicy fresh market. Adaptation: Canada, Mexico, United States. 1999.

Stylus (PS37393)—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: jumbo/cello or slicer with very smooth exterior and uniform interior color; tapered shape with blunt tips; early maturity. Similar: Enterprise. Adaptation: Washington, Midwest, and Canada. 1995.

Sweet 16 (XPI8016)—Breeder: L. Baker. Vendor: Seminis/Asgrow. Characteristics: California cut and peel hybrid with long roots, good color, high sugar. Resistance: *Alternaria dauci*. Similar: Caropak. Adaptation: California. 1998.

Sweet Bites (HMX6320)—Breeder and vendor: Harris Moran. Characteristics: wide adaptation, sweet mild flavor, 23–25 cm long, tube-shaped roots, excellent quality. Resistance: moderate tolerance to *Alternaria*. Similar: Caropak and Prime Cut. Adaptation: California, Canada, Pacific Northwest, Texas, Florida. 1999.

Sweet Rocket—Breeder and vendor: Burpee. 1999.

Sweet Treat—Breeder and vendor: Burpee. 1998.

Sweetcuts (KXPC055)—Breeder: K. Markiewicz-Ladd. Vendor: Polonica International. Characteristics: smooth and long roots 13–15 inch long and 0.75–1 inch diameter, small core, strong tops 16–18 inch tall; sweet not brittle. Resistance: tolerant to *Alternaria* and premature bolting. Adaptation: areas where “baby” carrots are grown. 1997.

Tastypeel (PS 711202)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: cut and peel type; 14 inch roots that are slender with an even diameter; no shoulder, blunt tip; flavor and texture are excellent relative to competing cultivars. Similar: Primecut. Adaptation: U.S.; cut and peel; grower/shipper. 2001.

Top Notch (XP3918)—Breeder: L. Baker. Vendor: Seminis/Asgrow. Characteristics: cello Imperator with big tops, good yield and quality roots. Resistance: moderate to *Alternaria*. Similar: Navajo. Adaptation: Canada, Florida, Midwest. 1998.

Toudo II—Breeder and vendor: Burpee Company. Similar: Nantes. 1999.

Trigger (PS 140395)—Breeder: Omar Diaz. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Cello/Jumbo type, for fresh market, main crop maturity, 9–10 inches long, tapers to blunt tip, strong top, excellent color, good yield. Similar: Apache. Adaptation: Northwest and Midwest U.S. 2000.

Vicna (XP7000 399)—Breeder: C. Crookham. Vendor: Seminis/Asgrow. Characteristics: tropical open pollinated, good yield, bright orange color. Similar: Brasilia. Adaptation: Brazil. 1999.

Vita-Treat (PS46295 [BB])—Breeder: R. Maxwell. Vendor: Seminis/Petoseed. Characteristics: peeler for California, early, slightly wedged shape, smooth interior. Similar: no cultivar like it. Adaptation: California. 1998.

Vitasweet #691—Vendor: Abbott and Cobb. Characteristics: strong 9–10 inch tops; bright orange roots; early maturity. Resistance: tolerant to *Alternaria*. Similar: Apache. 1990.

Vitasweet #711—Vendor: Abbott and Cobb. Characteristics: mid-early Imperator type with 9–10 inch, tapered, very smooth, high carotene roots. Similar: Caropak. 1989.

Vitasweet #781—Vendor: Abbott and Cobb. Characteristics: medium late high quality high carotene type; very smooth roots good for peeling. Similar: Caropak. 1991.

Viva La France—Breeder and vendor: W. Atlee Burpee and Co. Parentage: Nantes Hybrid.

Yardley II (PS74989)—Breeder: Dale Kammerlohr. Vendor: Seminis/Petoseed. Characteristics: early long Kuroda with very sweet flavor and crunchy texture. Similar: Kurodin. Adaptation: Caribbean. 1991.

CAULIFLOWER

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Artica (HMX 3171)—Breeder: Clause. Vendor: Harris Moran. Parentage: F1 hybrid. Characteristics: uniform, white, heavy dense curd; good curd cover; excellent vigor with uniform maturity; no internal greening of curd, self-wrapping. Adaptation: Mexico, Pacific northwest, Canada, Eastern U.S. 1998.

Callisto (BOS 5008)—Breeder: Joseph Stern. Vendor: Orsetti Seed Co. Parentage: F1 hybrid. Characteristics: inner wrapper, large dense head. Adaptation: late spring, summer, fall harvest. 2000.

Capricorn (BOS 5010)—Breeder: Joseph Stern. Vendor: Orsetti Seed Company, Inc. Parentage: F1 hybrid. Characteristics: inner wrapper, smooth, deep round head. Adaptation: summer, fall. 2001.

Concert (RCF1520)—Breeder and vendor: Rogers. Parentage: F1 hybrid. Characteristics: vigorous, upright plant, early maturity, white, domed and dense heads, tight curd cover, suitable for fresh and processed use. Resistance: some heat tolerance. Adaptation: spring, summer and fall harvest seasons. 1997.

Europa (BOS 5020)—Breeder: Joseph Stern. Vendor: Orsetti Seed Company, Inc. Parentage: F1 hybrid. Characteristics: very small frame, summer culture for increased planting density, inner twisted jacket, good head solidity. Adaptation: spring, summer. 2001.

First White—Breeder and vendor: Burpee. Characteristics: very early maturity, good cold tolerance, large white heads, loose head cover. 1999.

Le Blanc (PS 618493)—Breeder: Doug Sousa. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: very white, refined, dense, rounded dome with excellent fresh quality and appearance. Resistance: downy mildew, verticillium. Similar: Trowman. Adaptation: California coast, desert southwest U.S., Mexico, Spain, Italy. 2000.

Orange Bouquet—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: orange curd cauliflower; very vigorous plant, early maturity. 1990.

Phoenix (BOS 5006)—Breeder: Joseph Stern. Vendor: Orsetti Seed Co. Parentage: F1 hybrid. Characteristics: inner wrapper, extreme white color. Adaptation: summer, fall. 2000.

Quasar (BOS 5044)—Breeder: Joseph Stern. Vendor: Orsetti Seed Co. Parentage: F1 hybrid. Characteristics: early, domed, inner twisted jacket. Adaptation: summer, fall. 2001.

Snow Crown—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: medium size plant, very early maturity, semi-dome head shape, best in early summer or fall harvest seasons. 1975.

Snow March—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: tall, upright plant frame, late maturing winter type,

dome head shape with good curd cover. Adaptation: performs best in late winter to spring harvest seasons. 1980.

Solide—Breeder and vendor: Enza Zaden. 1984.

Symphony (RCF1515)—Breeder and vendor: Rogers. Parentage: F1 hybrid. Characteristics: vigorous, upright plant, early maturity, white, domed and dense heads, tight curd cover, suitable for fresh and processed use. Adaptation: late summer and fall coastal California harvest seasons. 1997.

Taurus (BOS 5021)—Breeder: Joseph Stern. Vendor: Orsetti Seed Co. Parentage: F1 hybrid. Characteristics: small outer frame, excellent twisted inner frame, later maturity. Adaptation: fall, summer, spring. 2000.

Titan (BOS 5009)—Breeder: Joseph Stern. Vendor: Orsetti Seed Co. Parentage: F1 hybrid. Characteristics: very large frame plant, inner wrapper. Adaptation: winter, spring, summer and fall. 1999.

Venus (BOS 5005)—Breeder: Joseph Stern. Vendor: Orsetti Seed Co. Parentage: F1 hybrid. Characteristics: inner wrapper, deep dome, early cultivar. Adaptation: late spring, early summer. 1999.

Violet Queen—Breeder and vendor: Takii. Parentage: F1 hybrid. Characteristics: purple curd cauliflower; tall upright plant. Adaptation: best suited for fall harvest. 1985.

Vordi (HMX 3176)—Breeder: Clause. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: green cauliflower. 1997.

Wentworth (PS 800197)—Breeder: Paul Lilley. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: 117 days, erect plant, similar in maturity to Ravella and Fremont. Similar: Ravella, Fremont. Adaptation: northeast U.S., southeast Canada. 1997.

White Excel (SCF7402)—Breeder and vendor: Sakata. Parentage: F1 hybrid. Characteristics: large plant, midseason maturity, white, very dense and domed head, excellent curd cover; suitable for fresh market. 1998.

White Magic—Breeder and vendor: Sakata. Parentage: F1 hybrid. Characteristics: extra-large upright plant, white, domed and heavy head, excellent curd cover; suitable for fresh market. 1992.

White Passion—Breeder and vendor: Sakata. Parentage: F1 hybrid. Characteristics: large upright plant, early to midseason maturity, white, domed head, tight and heavy curd, and excellent curd cover; suitable for fresh market. 1994.

White Rock—Breeder and vendor: Rogers. Parentage: open pollinated. Characteristics: compact plant frame, midseason maturity, high dome head shape, white, very dense and smooth heads, good curd cover. Adaptation: wide; standard cultivar for over-wintering in coastal California in late 1980s and early 1990s. 1985.

CELERY

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Baja (PYC 66-D-2)—Breeder and vendor: Pybas Vegetable Seed Co. Parentage: UC-1. Characteristics: especially suited for the midwestern U.S. processing industry; tall, vigorous, exceptionally dark-green; relatively easy bolting. Resistance: excellent to fusarium yellows. Adaptation: Michigan, Wisconsin, Mid-western U.S. 1998.

Challenger (Exp 107)—Breeder and vendor: Pybas Vegetable Seed Co. Parentage: UC390. Characteristics: smooth, dark-green petioles, compact, relatively easy bolting. Resistance: fusarium yellows. Adaptation: California. 1999.

Copernico (PS 14892)—Breeder and vendor: Seminis Vegetable Seeds-Petoseed. Parentage: open pollinated. Characteristics: taller than Ponderosa; improved quality; dark green; commercial quality. Resistance: fusarium yellows. Adaptation: California, Michigan. 1999.

Fiesta (Exp130)—Breeder and vendor: Pybas Vegetable Seed Co. Parentage: Summit. Characteristics: long, dark green, moderately smooth petioles; moderate level of bolting tolerance; heavy yielding in

Fusarium-free soils. Adaptation: California coastal valleys. 1999.

Fuerte (PYC66)—Breeder and vendor: Pybas Vegetable Seed Co. Parentage: UC-1. Characteristics: a shorter, dark-green fresh market type, with unusually uniform petioles in length, compact and medium smoothness; moderately slow resistance. Resistance: excellent to fusarium yellows. Adaptation: Michigan, Wisconsin, Midwestern U.S. 1999.

Green Bay (XP-166)—Breeder and vendor: Pybas Vegetable Seed Co. Parentage: UC1. Characteristics: tall, dark green plant, suitable for midseason processing and for early and late fresh market; compact bunch, upright, petioles moderately smooth. Resistance: fusarium yellows race 2, suckering; moderate for bolting. Adaptation: Michigan, Wisconsin, midwestern U.S. 1997.

Sabroso (PYC66-D-2)—Breeder and vendor: Pybas Vegetable Seed Co. Parentage: UC1. Characteristics: suited for celery processing, excellent girth and weight, moderate bolting resistance. Resistance: high to fusarium yellows race 2. Adaptation: Michigan, Wisconsin, midwestern U.S. 1998.

Sonora (248-C)—Breeder and vendor: Pybas Vegetable Seed Co. Parentage: T.U.52-75. Characteristics: excellent fresh market celery; medium height, compact with smooth, dark green petioles. Resistance: high to bolting; moderate to fusarium yellows. Similar: T.U.52-75. Adaptation: California coastal valleys. 1997.

Troubador (48-C)—Breeder and vendor: Pybas Vegetable Seed Co. Parentage: T.U.52-75. Characteristics: slightly better bolting tolerance and slightly better girth than T.U.52-75 and Sonora. Resistance: bolting. Similar: T.U.52-75 and Sonora. Adaptation: California coastal valleys. 1997.

COLLARD

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Flash—Breeder and vendor: Sakata. Parentage: F1 hybrid. Characteristics: medium height plant, round leaves of green to blue-green color; highly uniform Vates type collard; suitable for stripping, bunching, or processing. 1992.

Morris Heading—Breeder: unknown. Vendor: several. Parentage: open pollinated. Characteristics: old cultivar; mostly large plants, but highly variable population; color varies from green to very blue green; tendency for many plants in population to form leafy heads late in growing season.

Green Glaze—Breeder: unknown. Vendor: several. Parentage: open pollinated. Characteristics: unique open pollinated garden cultivar lacking normal waxy bloom and exhibiting a glossy appearance; medium tall, upright plant, bright green color accompanying gloss.

CUCUMBER

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Arabian (XP1914)—Breeder: B. Johnson. Vendor: Seminis Vegetable Seeds, Asgrow Brand. Parentage: F1 hybrid. Characteristics: hybrid pickling type; medium dark green color, short vine, LD 3.05 to 3.1, hand or machine harvest. Resistance: none claimed. Adaptation: U.S. 1999.

Asian Nectar—Vendor: W. Atlee Burpee. Characteristics: slicing type. 1999.

Atlantis (HMX 2464)—Breeder and vendor: Harris Moran Seed Co. Parentage: Harris Moran inbreds. Characteristics: long fruited gynoecious hybrid pickling type, LD 3.2 to 3.4, mid-early maturity, somewhat reduced vine length. Resistance: scab, anthracnose, angular leafspot, powdery mildew, downy mildew.

Bugre (PS 72595)—Breeder: Wei Ouyang. Vendor: Seminis

Vegetable Seeds, Petoseed Brand. Parentage: F1 hybrid. Characteristics: predominantly gynoeious, early Caipiras type, strong vine, good fruit, fruit size 50 × 160 mm. Resistance: downy mildew, powdery mildew, angular leafspot, cucumber mosaic virus. Similar: Safira. Adaptation: Brazil. 1999.

Burpeeana Burpless—Breeder and vendor: W. Atlee Burpee and Co.

Colt (XP 1913)—Breeder: B. Johnson. Vendor: Seminis Vegetable Seeds, Asgrow Brand. Parentage: F1 hybrid. Characteristics: pickling type, short vines, good exterior fruit quality, machine or hand harvest, LD 3.05 to 3.1. Resistance: scab; moderate to anthracnose, angular leafspot, downy mildew, and powdery mildew. Adaptation: U.S. 1999.

Diva (JU2)—Breeder: Janika J. Eckert. Vendor: Johnny's Selected Seeds. Characteristics: smooth, tender skin, bright green color, sweet and crisp flesh, seedless, gynoeious and parthenocarpic. Resistance: Cladosporium, Sphaerotheca, Pseudoperonospora, and Corynespora. Adaptation: greenhouse. 2001.

Double Feature—Vendor: W. Atlee Burpee and Co. Characteristics: slicing type. 1999.

EDYP F1—Breeder: Research Institute of Vegetable Crops, Poland. Characteristics: fruit uniform shape, dark green, short, monoecious hybrid pickle. Resistance: anthracnose, downy mildew, powdery mildew, scab, cucumber mosaic virus.

English Telegraph—Characteristics: monoecious inbred, long-fruited trellis type.

Fiecha (XPH 1705)—Breeder and vendor: Asgrow. Characteristics: 22–23 inch fruit length, bitter, skin dark green. Resistance: downy mildew, powdery mildew.

Flamingo—Breeder: Leen De Mos Vegetable Seed Co. Vendor: Shamrock Seed Co. Parentage: F1 hybrid. Characteristics: long Dutch greenhouse cucumber type, 55–60 day maturity, fruit with cylindrical shape, dark green color, 12–13 inch length, suitable for production on rockwool or soil. Resistance: powdery mildew, scab, leafspot. Similar: Miligan. Adaptation: climate controlled greenhouse. PVP: none. 1996.

FM 5020 (FMX 5020)—Breeder: Gary Taurick. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: pickling type, cylindrical fruit shape, very dark skin color. Resistance: scab, CMV, angular leafspot, anthracnose, powdery mildew. Similar: Vlaspiik. Adaptation: midwestern U.S., Texas, Florida. 1998.

Greensleeves (HMX 0431)—Breeder and vendor: Harris Moran Seed Co. Parentage: Harris Moran inbreds. Characteristics: early gynoeious hybrid slicer with dark green, 8-inch long fruit. Resistance: scab, anthracnose, angular leafspot, cucumber mosaic virus, powdery mildew, downy mildew.

Heinz Pickling—Breeder and vendor: Burpee Seed. Characteristics: monoecious inbred pickler.

Humocaro (23673)—Breeder: Manuel Rosas. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: American slicer, gynoeious, dark green, straight fruit, strong vines. Resistance: anthracnose, angular leafspot, powdery mildew, scab, PRSV, WMV, ZYMV. Similar: Cortez. Adaptation: Mexico. 2000.

Independence (I2702)—Breeder and vendor: Enza Zaden. Parentage: F1 hybrid. Adaptation: North America. 1999.

Indio (PS 155595)—Breeder: Eldon Heersink. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: American slicer, gynoeious, dark green, straight fruit, strong vines. Resistance: anthracnose, angular leafspot, powdery mildew, scab, PRSV, WMV, ZYMV. Similar: Cortez. Adaptation: Eastern U.S., Central Mexico. 2000.

Intimidator (XP 3501217)—Breeder: Eldon Heersink. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: American slicer; early, dark green, smooth fruit, premium shape. Resistance: anthracnose, angular leafspot, downy mildew, powdery mildew, scab, target leafspot, CMV, PRSV, WMV, ZYMV. Similar: Dasher II. Adaptation: southeastern U.S. 2001.

Jazzzer—Breeder and vendor: Enza Zaden.

Lucia (NC-46)—Breeder: S.A. Walters and T.C. Wehner. Vendor: North Carolina State University. Parentage: NCH1 population (including resistant parental accession LJ 90430) brought to recurrent selection cycle 9, then used to develop S7 inbred. Characteristics:

indeterminate, monoecious inbred, medium green colored vines; fruit are long pickle type with LD 3.9, dark green, medium sized warts, white spines. Resistance: root knot nematode (*Meloidogyne javanica*, *M. hapla*, *M. arenaria* races 1 and 2), scab, anthracnose, powdery mildew. Similar: Sumter, but longer fruit. Adaptation: widely adapted, but developed in the southeastern U.S. 1997.

MacArthur (SXQ 1882)—Breeder: Augie Gabert. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: dark green fruit color, slightly tapered fruit, medium-size indeterminate vine; approximately 51 days to maturity. Resistance: scab, CMV, angular leafspot, powdery mildew, downy mildew, anthracnose. Similar: Vlaspic, Lafayette. Adaptation: all pickling cucumber growing regions. 2000.

Manteo (NC-44)—Breeder: S.A. Walters and T.C. Wehner. Vendor: North Carolina State University. Parentage: NCH1 population (including resistant parental accession LJ 90430) brought to recurrent selection cycle 9, then used to develop S7 inbred. Characteristics: indeterminate, monoecious inbred, medium green colored vines; fruit are medium length pickle type with LD 3.4, dark green, medium sized warts, white spines. Resistance: root knot nematode (*Meloidogyne javanica*, *M. hapla*, *M. arenaria* races 1 and 2). Similar: Sumter. Adaptation: widely adapted, but developed in the southeastern U.S. 1997.

Maverick (PS 31195)—Breeder: Al Burkett. Vendor: Seminis Vegetable Seeds, Petoseed Brand. Parentage: F1 hybrid. Characteristics: hybrid pickling cucumber, dark green fruit with LD ratio 3.0. Resistance: anthracnose race 2, angular leafspot, scab, powdery mildew, CMV, ZYMV, WMV, PRSV. Similar: Eureka. Adaptation: Mexico, North America. 1999.

Millenium Green (PS 64487)—Breeder: Manuel Rosas. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: gynoeious pickling type, vigorous vine, medium dark green fruit. Resistance: anthracnose, angular leafspot, downy mildew, powdery mildew, scab, CMV. Similar: Calypso. Adaptation: midwestern U.S., northeastern U.S., Canada. 1999.

Moctezuma (PS 102095)—Breeder: Ken Owens. Vendor: Seminis Vegetable Seeds, Petoseed Brand. Parentage: F1 hybrid. Characteristics: monoecious hybrid slicer, extremely vigorous, cylindrical, straight, uniform, very dark green. Resistance: anthracnose race 2, angular leafspot, scab, powdery mildew, target leafspot, CMV, ZYMV, WMV, PRSV. Similar: Conquistador. Adaptation: Mexico. 1999.

Odeon (PS 29900)—Breeder: Bruno Sipeyre. Vendor: Seminis Vegetable Seeds, Petoseed Brand. Parentage: F1 hybrid. Characteristics: parthenocarpic American slicer, cylindrical fruit, large, blocky, 22–24 cm × 6 cm, dark green, some spines. Resistance: powdery mildew, ZYMV, WMV, PRSV. Similar: Laura. Adaptation: South America. 1999.

Palomino (EX 1911)—Breeder: B. Johnson. Vendor: Seminis Vegetable Seeds, Asgrow Brand. Parentage: F1 hybrid. Characteristics: smaller plant growth habit, heavy first set, hand or mechanical harvest, fruit LD 3.1, medium dark green. Resistance: scab; moderate to anthracnose, angular leafspot, downy mildew, and powdery mildew. Adaptation: southeast U.S. Similar: no cultivar like it. 1999.

Papillon (XVC 5834)—Breeder: G.E. Tolla. Vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: predominantly gynoeious pickling type; normal vine, dark green fruit, L/D ratio of 3.3, 45–50 days to harvest. Resistance: downy mildew, powdery mildew and scab; intermediate resistance to anthracnose and angular leaf spot. Similar: Vlaspiik and Lafayette. Adaptation: machine harvest in U.S. and Canada. 2001.

Picklet (XVC 8406)—Breeder: B. Johnson. Vendor: Seminis Vegetable Seeds, Asgrow Brand. Parentage: F1 hybrid. Characteristics: gynoeious pickling cucumber for multiple hand-pick production, LD 2.8; medium dark green color, blocky fruit shape. Resistance: none listed. Adaptation: worldwide. Similar: Vlasset. 1998.

Pony (XP 1903)—Breeder: G.E. Tolla. Vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: predominantly gynoeious pickling type; normal vine, medium green fruit, L/D ratio of 2.8, 42–45 days to harvest. Resistance: anthracnose, cucumber mosaic virus and scab; intermediate resistance to angular leafspot, downy mildew and powdery mildew. Similar: Vlasset, Duke. Adapta-

tion: hand harvest in U.S. and Canada. 2001.

Rodeo—Breeder: Enza Zaden. 1999.

Shelby (NC-45)—Breeder: S.A. Walters and T.C. Wehner. Vendor: North Carolina State University. Parentage: NCH1 population (including resistant parental accession LJ 90430) brought to recurrent selection cycle 9, then used to develop S7 inbred. Characteristics: indeterminate, monoecious inbred, medium green colored vines; fruit are short pickle type with LD 3.0, dark green, medium sized warts, white spines. Resistance: root knot nematode (*Meloidogyne javanica*, *M. hapla*, *M. arenaria* races 1 and 2), scab, powdery mildew. Similar: Sumter, but shorter fruit. Adaptation: widely adapted, but developed in the southeastern U.S. 1997.

Sieger—Vendor: Nat. Seed Storage Lab. Characteristics: monoecious inbred.

Sire (XP 4561077)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: monoecious hybrid, intended for pollener, medium dark green fruit that is blocky, early and sustainable flowering; L/D ratio 3.0. Similar: Benson. Adaptation: North America. 1999.

Stallion (PS 14692)—Breeder: B. Johnson. Vendor: Seminis Vegetable Seeds, Asgrow Brand. Parentage: F1 hybrid. Characteristics: short vines, strong plant, 2–3 pistillate flowers per node. Resistance: angular leafspot, anthracnose race 1, scab, powdery mildew, downy mildew. Adaptation: midwestern U.S. 1998.

Stonewall (HMX-8416)—Breeder: G. Taurick. Vendor: Harris Moran. Parentage: F1 hybrid. Characteristics: slicer type, uniform dark green fruit. Resistance: anthracnose, angular leafspot, powdery mildew, downy mildew, scab, cucumber mosaic virus. Similar: General Lee. Adaptation: U.S. cucumber production areas. 2002.

Sweet & Juicy—Breeder and vendor: W. Atlee Burpee. Parentage: F1 hybrid. 1999.

Sweet Zena (SK3-402)—Breeder and vendor: Sakata Seed. Parentage: F1 hybrid. Characteristics: excellent Beit Alpha type cucumber. Resistance: none listed. 1997.

Sweeter Yet (PS 62995)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: slicing type; dark green Japanese burpless type, 7–7.5" × 2" fruit size, gynoecious, white spine, early maturity, good yield, good taste. Resistance: watermelon mosaic virus, papaya ringspot virus; intermediate resistance to downy mildew, cucumber mosaic virus, zucchini yellow mosaic virus. Similar: Sweet Success. Adaptation: home garden; U.S. 2001.

Tasty Jade—Vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. 1999.

Thunderbird (PS 100395)—Breeder: Ken Owens. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: American slicer, gynoecious, dark green fruit, strong vine with multiple virus and fungal disease resistance. Resistance: angular leafspot, anthracnose, powdery mildew, scab, CMV, WMV, PRSV, ZYMV. Adaptation: Mexico, Central America. 1999.

Yellow Submarine (PS 23926)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: open pollinated. Characteristics: pickling type; very light green to yellow color, small seed cell, mid- to late maturity, sturdy plant. Similar: Carnito. Adaptation: home garden; U.S. 2001.

Zaap (PS 14792)—Breeder: Al Burkett. Vendor: Seminis Vegetable Seeds, Petoseed Brand. Parentage: F1 hybrid. Characteristics: short vined, medium green fruit color, gynoecious, 2–3 pistillate flowers per node, for fresh market. Resistance: angular leafspot, anthracnose, powdery mildew, scab, CMV. Adaptation: South America and midwestern U.S. 1998.

Zapata (SXQ 2426)—Breeder: Augie Gabert. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: monoecious, white spined, pickling cucumber; cylindrical, dark green fruit on an indeterminate vine. Resistance: anthracnose, angular leafspot, downy mildew, powdery mildew, scab, CMV, PRSV, WMV, ZYMV. Similar: Eureka. Adaptation: most pickle production areas, with emphasis on Mexico. 2000.

EGGPLANT

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Agora—Breeder and vendor: Rogers NK. Characteristics: oval to round dark purple fruit, compact sturdy plant suitable for stake or ground culture. Adaptation: wide.

AL 1205—Breeder and vendor: DeRuiter. Characteristics: cylindrical purple fruit, 20–30 cm long, vigorous open compact plant, sets well under cool night conditions.

Avan—Breeder and vendor: Vilmorin. Characteristics: elongate teardrop shape, vigorous plants with high yields, fruit is firm and ships well.

Barbantane Hybrid—Breeder: Atlas Seeds. Vendor: Atlas Seeds. Characteristics: long cylindrical fruit, 2 × 10 inch, glossy purple black fruit with green calyx, Baluroi type. Resistance: TMV. Similar: Baluroi.

Berinda—Breeder and vendor: DeRuiter. Characteristics: medium half long type, dark purple, medium vigorous, open plant, uniform grading, excellent shape, suitable for mid early and later crops in greenhouse or open field.

Billionaire—Breeder and vendor: W. Atlee Burpee and Co. 2000.

Black Beauty—Vendor: Atlas Seeds. Characteristics: open pollinated cultivar, oval to deep globe shape, smooth dark glossy maroon with green calyx, spineless, suitable for fresh market and home garden.

Black Bumper—Breeder and vendor: Takii. Characteristics: cylindrical shape, glossy black skin, green calyx, extra early, medium size upright plant, suitable for greenhouse or open field. Resistance: high tolerance to heat.

Black Dragon—Breeder and vendor: Takii. Characteristics: small egg shaped fruit, lustrous purple color, extra early and prolific, open short internode plant, good for greenhouse and open field.

Black Enorma—Breeder and vendor: Takii. Characteristics: long oval shape, black skin, upright plant, early and productive, good for greenhouse and open field.

Black King—Breeder and vendor: Takii. Characteristics: slightly elongate oval, black fruit, green calyx, medium size plant, suitable for greenhouse and open field production. Resistance: high tolerance to heat.

Black Shine—Breeder and vendor: Takii. Characteristics: long slender oriental type, black fruit, purple calyx, extra early, medium tall upright plant, good for greenhouse and open field.

Blacknite—Characteristics: oval fruit shape, 9 × 3.5 inch, deep purple color, early maturing. Resistance: TMV.

Blue Marble—Breeder and vendor: W. Atlee Burpee and Co.

Bride—Breeder: Known-You Seed. Vendor: Stokes. Characteristics: long slender fruit, 8 × 1.5 inch, matures rose light rose/white stripes and pure white fruit; green calyx, very tender, great taste.

Casper (Dourga)—Breeder: INRA. Vendor: Stokes. Characteristics: open pollinated, cylindrical 6 × 2.75 inch white fruit, green calyx. Similar: Ghostbuster.

Charming—Breeder and vendor: Known-You Seed. Characteristics: cylindrical fruit, 16 × 5.8 cm, purple-green calyx, medium purple to reddish purple skin, white flesh, medium large, spreading branched plant, very prolific.

Classic—Breeder and vendor: Harris Moran. Characteristics: elongate-oval, glossy purple-black fruit, medium tall upright plant, fancy fruit appearance, good luster to fruit color, performance is limited in winter production areas. Resistance: TMV. Similar: Epic.

Classy Chassis—Vendor: Stokes. Characteristics: elongate-oval, glossy black fruit, green calyx. Resistance: TMV. Similar: Classic, Epic.

Cloud Nine—Breeder: M. Hutton. Vendor: Petoseed. Characteristics: elongate-oval, white fruit, 17 × 8 cm, green calyx, medium to large spreading plant. Similar: Casper, Ghostbuster.

Comprido Verde Claro—Vendor: Johnny's. Characteristics: oval shape 3–4 inch long, slightly ribbed, shiny lime green turning orange at seed maturity, green calyx, tall plant.

Crescent Moon—Breeder and vendor: W. Atlee Burpee and Co. 2000.

Dobrix—Breeder and vendor: DeRuitter. Characteristics: medium to large, half-long, dark purple fruit, excellent fruit shape, glossy dark purple, bright green calyx, vigorous open plant, adapted to heated greenhouse.

Early Beauty—Breeder and vendor: Atlas Seeds. Characteristics: round-oval 4 × 7 inch fruit, glossy deep purple black with green calyx, medium size plant, excellent for commercial and home garden production. Resistance: TMV. Similar: Bonica.

Epic—Breeder and vendor: Petoseed. Characteristics: oval shape 4 × 8.25 inch, deep purple black color, green calyx, good marketable quality, upright plant. Resistance: TMV. Similar: Classic.

Everglades—Breeder and vendor: Atlas Seeds. Characteristics: oval/teardrop shape, very shiny purple black, tall plant, good disease resistance. Resistance: TMV. Similar: Epic.

Farmers Long—Breeder and vendor: Known-you Seed. Characteristics: long slender oriental type, 30 × 3 cm, medium purple-red skin, purple-green calyx, erect plant, very prolific. Resistance: tolerant to bacterial wilt. Similar: Pingtung Long.

Fond Long—Breeder and vendor: Known-You Seed. Characteristics: long slender oriental type, reddish purple skin, purple-green calyx, vigorous spreading plants with smaller leaves, spineless. Resistance: tolerant to bacterial wilt.

Fond May—Breeder and vendor: Known-You Seed. Characteristics: long slender oriental type, dark glossy purple skin, purple calyx, spreading plant.

Fullness—Breeder and vendor: Known-You Seed. Characteristics: round-oval shape, 10 × 9.5 cm, purple-black skin, pale green flesh, tall spreading branched plants, fruit ship well.

Ghostbuster—Breeder and vendor: Harris Moran. Characteristics: oval shape 6–7 inch long, white color fruit, sweet flavor, broad semi-upright plant. Similar: Casper, Cloud Nine.

Green Goddess—Breeder and vendor: Petoseed. Characteristics: uniform long cylindrical pale green fruit, 8 × 2 inch, strong spreading plant, unique type. Adaptation: home garden.

Imperial Black Beauty—Characteristics: open pollinated cultivar, teardrop-cylindrical shape, dark purple color.

Italian Pink Bicolor—Vendor: Stokes. Characteristics: open pollinated cultivar, oval fruit, approximately 8 inch diameter, cream/rose color, mature fruit color is rose pink, purple calyx.

Kermit—Vendor: Johnny's. Characteristics: round, 2 inch diameter fruit, white blossom end with a deep green striped shoulder and green calyx, compact well branched plant, with heavy set; Thai specialty.

Kurume Long Purple—Vendor: Takii. Characteristics: open pollinated; long slender oriental type, black fruit with purple calyx, very vigorous plant, late maturing.

Lavender Touch (PS 1993)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: white, teardrop shape fruit with lavender blush. Resistance: MV-Tomato Mosaic Virus. Similar: no cultivar like it. Adaptation: home garden.

Little Fingers—Breeder and vendor: Harris Moran. Characteristics: small cylindrical oriental type, glossy black fruit with green calyx, fruit in clusters of 5–10 fruit, very productive, can be used as a mini-vegetable.

Long Purple—Vendor: Atlas Seeds. Characteristics: open pollinated cultivar, oblong cylindrical, smooth dark purple with green calyx, tall plant with large leaves, continuous setter. Adaptation: wide.

Louisiana Long Green—Vendor: Johnny's. Characteristics: open pollinated heirloom cultivar, long slender about 9 inch, glossy light green, tender and mild.

Machiaw—Characteristics: long, skinny oriental type fruit, 9 × 0.75 inch; pink skin similar in color to Neon; tender flesh; strong plant with continuous yield. Similar: Neon.

Madonna—Breeder and vendor: DeRuitter. Characteristics: medium size, half long, purple skin, medium vigorous open plant. Adaptation: excellent for open field and greenhouse.

Megal—Breeder and vendor: Vilmorin. Characteristics: cylindrical fruit, 7–9 inch long, purple black color, very uniform, excellent shelf life and flavor, few spines, early maturity. Resistance: CMV, TMV.

Millionaire—Breeder and vendor: Takii. Characteristics: slender, oriental type, dark purple fruit color, purple calyx, early maturing.

Money Maker No. 2—Breeder and vendor: Takii. Characteristics: small teardrop cylindrical to egg shape fruit, glossy black with purple calyx, productive and extra early, good for greenhouse and open field.

Morocho—Breeder and vendor: Petoseed. Characteristics: oval-teardrop shape, 20 × 9 cm, dark glossy black color, and vigorous plant. Similar: Classic.

Nadia—Breeder and vendor: Vilmorin. Characteristics: oval long, 4.5 × 9 inch; attractive, very firm purple black fruit, early maturity, vigorous plant, long harvest period, sets well under cool conditions.

Neon—Breeder and vendor: Shamrock. Characteristics: teardrop 3 × 8 inch, rose pink color fruit, unique fruit color.

Night Shadow—Breeder and vendor: Petoseed. Characteristics: elongate oval, 20 × 9 cm, dark glossy black, holds color well, very productive. Similar: Classic. Adaptation: Southwest and Northeast U.S. and Mexico.

No. 226—Characteristics: round 3 inch diameter fruit, dark purple, glossy and smooth; short plants.

Orient Charm—Vendor: Johnny's. Characteristics: long cylindrical oriental type, 8–10 × 1.5 inch fruit, color ranges from fluorescent pink to pastel pink and white, green calyx, strong plant with good second-early yields.

Orient Express—Vendor: Johnny's. Characteristics: long cylindrical oriental type, 8–10 inch long, glossy black fruit, purple calyx, sets well under both cool and hot conditions, early.

Oriental Bride—Vendor: Johnny's. Characteristics: long slender 8 × 1.5 inch fruit, borne in clusters of two or three fruit, light purple skin with white stripes, compact, well-branched plants.

Pingtung Long—Breeder and vendor: Known-You Seed. Characteristics: long slender oriental type, purple-red skin, purple-green calyx, tall erect plant. Resistance: tolerant to heat and bacterial wilt.

Prelane—Breeder and vendor: Vilmorin. Characteristics: cylindrical fruit, 8–9 inch long, glossy dark skin, very consistent in size. Adaptation: wide.

Purple Blush—Breeder: M. Hutton. Vendor: Petoseed. Characteristics: oval, 5 × 4 inch fruit, white to purple blush color.

Regal—Breeder and vendor: Rogers Northrup King. Characteristics: oval to round dark purple fruit, tall vigorous plant, high yielding. Adaptation: wide.

Rosita—Vendor: Stokes Seeds. Characteristics: long teardrop-cylindrical, unique rose pink color, green calyx. Similar: Neon.

Shoya Long—Breeder and vendor: Takii. Characteristics: very long slender oriental type, purplish black fruit, purple calyx, tall upright plant, vigorous grower, fine quality, medium late maturity.

Slim Purple—Breeder and vendor: Known-You Seed. Characteristics: long slender oriental type, 30 × 2.8 cm, purple-red glossy fruit, greenish purple calyx, spineless, medium tall spreading plants with few leaves, very prolific with extra slim fruit.

Snowy—Vendor: Johnny's. Characteristics: teardrop cylindrical 7 × 2.5 inch, white skinned fruit, early maturing, upright plant, well adapted, specialty and roadside markets.

Special Highbush—Vendor: several. Characteristics: open pollinated cultivar, elongate teardrop shape, intensely colored black fruit, tall upright plant.

Tango—Breeder and vendor: DeRuitter. Characteristics: cylindrical fruit 7 × 2 inch, white fruit, good yields, and strong plant. Similar: Casper, Ghostbuster.

Tania—Breeder and vendor: Rogers NK. Characteristics: oval to long oval dark purple fruit, medium tall semi-erect plants, plants have few spines, yields well under cool conditions.

Vista—Breeder and vendor: Sakata. Characteristics: cylindrical, deep purple-black fruit, early maturing, large vigorous plant, very productive.

Vittoria—Breeder: Petoseed. Vendor: Stokes. Characteristics: very long cylindrical, deep purple Imperial type, green calyx, mild flavor. Resistance: TMV.

White Egg—Breeder and vendor: DeRuiter. Characteristics: small size egg shape white fruit, medium vigorous open plant.

Zebra—Characteristics: elongated oval, purple with white stripes, very attractive with good flavor.

ENDIVE

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Ballon—Breeder: Vilmorin. Vendor: Cook's Garden. Characteristics: large, pale European romaine, fine textured and heat-tolerant. Similar: Eiffel Tower. 1883.

Brune d'Hiver—Breeder: unknown. Vendor: Cook's Garden. Characteristics: hardy, delicately bronzed pale green. Similar: Rouge d'Hiver, Butterhead. 1865.

Cannery Row—Breeder: Debbie Mitchell. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: dark green Salinas type. Resistance: big vein. Similar: Spreckels. Adaptation: Salinas valley California.

Capistrano—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed Brand. Characteristics: romaine with excellent uniformity, open plant habit, very attractive dark green, slow bolting, wide harvest window.

Captain Cos—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: dark green colored romaine with blistered leaves, narrow base and solid heart. Resistance: corky root. Adaptation: southwest U.S. desert areas.

Clemente—Vendor: Royal Sluis. Characteristics: Romaine type. Resistance: lettuce mosaic virus. 1992.

Crissy—Breeder and vendor: Enza Zaden. Characteristics: cross between red leaf and Lollo Rossa type.

Cupid—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Characteristics: green oak leaf lettuce, 45–65 days to maturity, medium to large heads, light green color and slow bolting. Similar: Salad Bowl. Adaptation: U.S., if sown in proper season.

Curly Oakleaf—Breeder: Vilmorin. Vendor: Cook's Garden. Characteristics: known as Feuille de Chene or Foglie di Quercia and used solely as a cutting lettuce; sizable head at maturity if thinned; harvest frequently for best quality. 1881.

Desperado—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: medium sized, sure heading, iceberg, medium green color and good head coverage. Similar: Spector. Adaptation: San Joaquin Valley California.

Esmeralda—Vendor: Royal Sluis B.V. Characteristics: buttery, lime green heads, good yield; replaces Canada Boston, slow bolting, butterhead type. Resistance: tipburn and lettuce disorder. 1991.

Fireglow—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Characteristics: Red Lolla Rossa lettuce, 45–65 days to maturity, medium head size, red leaf color and very frilled leaves. Adaptation: U.S. if sown in proper season.

Frizz E—Breeder and vendor: W. Atlee Burpee and Co. 1999.

Gator—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: western type iceberg, large frame and head, leaf is medium blistered with a dark green color. Resistance: corky root. Adaptation: Florida.

Gaicho—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: iceberg with dark-colored blistered leaves, excellent uniformity and very sure heading. Adaptation: San Joaquin Valley, California.

Genecorp Green—Breeder and vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: green leaf. 1986.

Golden Bibb—Breeder and Vendor: Scattini Seeds, Inc. Characteristics: Butterhead. 1985.

Granada—Breeder: Debbie Mitchell. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: dark-colored red oakleaf used for mesclun mix. Similar: Valencia. Adaptation: U.S.

Grizzly—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-

Petoseed. Characteristics: uniform, sure heading crisphead for winter harvest period of southwestern U.S. desert areas; large frame with good head production, good exterior color. Similar: Winterhaven. Adaptation: Southwest U.S., Yuma, and Imperial Valley.

Gypsy—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Characteristics: produces medium-dark green leaves with slight blistering, 45–70 days to maturity, short and compact plants. Resistance: downy mildew. Similar: Little Gem.

Ideal Cos—Breeder and vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: 73 days to maturity, medium green color, tall, upright, smooth, elongated leaves, leaves smoother and heavier than Parris Island Cos, slow to bolt. 1991.

Invader—Breeder: Debbie Mitchell. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: iceberg, grayish green color, good bolting tolerance, flat butt, smooth petioles. Similar: Raider.

Ione—Breeder and vendor: Enza Zaden. 1999.

Ithaca—Breeder: G. Raleigh. Vendor: Cornell Univ. Characteristics: 72 days to maturity, superior iceberg type, tolerant to summer heat, slow to form seed stalks; large, solid tightly wrapped heads stay firm; grows 5–6 inch across; heads all summer; crisp and delicious, never gets rubbery or bitter. Resistance: tipburn and brown rib. 1969.

Jackal—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: Vanguard type crisphead lettuce for spring harvest, good leaf texture and color, high yield potential, good pack appearance. Similar: Vanguard. Adaptation: desert Southwest U.S.

Kinemontepas—Breeder: Boret. Characteristics: standard summer lettuce in France; slow-bolting, pale green, excellent texture and taste. Similar: Butterhead. 1952.

Klamath—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: dark green tall Romaine, open type, slightly blistered leaf. Resistance: corky root. Similar: Gladiator. Adaptation: coastal California, Salinas Valley.

Krypton—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: large heading, unique glossy green, very slow bolting, open habit, and wide harvest window. Resistance: downy mildew. Similar: Royal Green.

La Brillante—Vendor: Cook's Garden. Characteristics: combines shiny leaf of a crisphead type with butterhead tenderness; delicately toothed, vibrant green leaves; Batavia type. 1936.

Le Cup—Breeder and vendor: Asgrow Seed Co. Characteristics: miniature crisphead. 1991.

Little Gem—Breeder: Vilmorin. Vendor: Burpee Gardens. Characteristics: 65 days to maturity, English favorite, bright green leaves 6" long, excellent flavor, crisp texture, succulent midribs, fast growing; Latin type. Similar: Sucrine. 1880.

Major Cos—Breeder and vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: 77 days to maturity, head heavy, upright, dark green, lightly blistered leaves, early, slow bolting, heavy, compact heads with wide, well colored leaves. 1991.

Markant—Breeder and vendor: Enza Zaden. 1999.

Midori—Breeder and vendor: Enza Zaden. 1999.

Mini-Green—Breeder: W. Waycott and E.J. Ryder. Vendor: USDA Res. Sta., Salinas, California. Characteristics: iceberg type; heads the size of a baseball; dark green color with solid heads; interior color is creamy yellow; takes heat well.

Mohawk—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: Vanguard type crisphead, early maturity, sure heading, large head, large wrap, dark green color, bolt tolerant, plant late September-early October. Similar: Vanguard.

Montello—Breeder: L. Sequeira. Vendor: Univ. Wisconsin. Characteristics: 75 days to maturity, large, dark green heads; vigorous; resistant to splitting. Resistance: highly tolerant to corky root and heat. Adaptation: wide. 1978.

Nancy—Breeder: unknown. Vendor: Seedway, Inc. Characteristics: 65 days to maturity, medium head, compact, good weight, smooth, rounded leaves, medium green color, excellent quality and texture and clean underside.

Navigator—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: Vanguard type, dark green, good head formation. Similar: Annie. Adaptation: southwest U.S. (late fall).

New Red Fire—Characteristics: 48 days to maturity, medium to

large, dark red heads, red tinge, leaves ruffled with waxy margins, red loose leaf with full center, uniform head holds color well, and slow bolting.

Nile—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Characteristics: green butter lettuce, 45–55 days to maturity, medium head size, medium green color, smooth, thick leaves and good shelf life. Resistance: downy mildew. Similar: Boston. Adaptation: can be cultivated in U.S. if sown in proper season.

North Pole—Breeder: unknown. Vendor: Cook's Garden. Characteristics: pale green, very cold hardy, adapted for overwintering under cover; ideal size at onset of winter is 4–6 inches across. Similar: Arctic King.

Optima—Breeder and vendor: Vilmorin, S.A. Characteristics: 52 days to maturity, dark green Nancy type; thick leaves, large and heavy. Resistant: tipburn and bottom rot. 1995.

Red Dawn—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Characteristics: red oakleaf lettuce, 45–65 days to maturity, medium large heads, red leaf color and excellent shelf life. Resistance: downy mildew. Similar: Red Salad Bowl.

Red Gem—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: synonym is Impuls. Characteristics: Red Lolla Rossa lettuce, 45–65 days to maturity, medium sized heads, deep red color, very frilled leaves. Similar: Lolla Rossa. Adaptation: can be cultivated in U.S. if sown in proper season.

Red Grenoble—Breeder: Vilmorin. Vendor: Cook's Garden. Characteristics: Batavia type; shiny, wine red leaves, vigorous grower, resistant to adverse conditions, can be cut young or left to head up. 1932.

Red Rustler—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Characteristics: red loose-leaf lettuce, 45–65 days to maturity, medium large heads, red leaf color, very frilly leaf margins. Similar: New Red Fire. Adaptation: can be cultivated in U.S. if sown in proper season.

Red Sails—Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: 45 days to maturity, fast growing, heat-tolerant and slow to bolt, open heads up to a foot across, deepens in color as they mature, bronze-red leaves, holds color and sweetness in hot weather. 1986.

Red Velvet—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Characteristics: red butter lettuce, 45–65 days to maturity, medium heads, and deep red outer leaf color, blistered leaf texture, yellow green inner leaves. Similar: Merveille de 4 Saisons. Adaptation: can be cultivated in U.S. if sown in proper season.

Redina—Breeder and vendor: Enza Zaden. Characteristics: reddest cultivar of Grand Rapids type; color is intense candy red; green butt, pliable, non-brittle ribs, slow to tipburn; red leaf. 1995.

Reine des Glaces—Breeder: Vilmorin. Vendor: Cook's Garden. Characteristics: deeply notched leaves and a convoluted head of frosty green; best results from spring plantings; Batavia type. 1883.

Ridgemark II—Breeder: Debbie Mitchell. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: grayish green color, good bolting tolerance, and flat butt, smooth petioles. Similar: Raider. Adaptation: coastal areas of California.

Rougette du Midi—Breeder: Vilmorin. Vendor: Cook's Garden. Characteristics: also known as Red Montpelier; red butterhead type; for baby lettuce production or off-season covered crops. Adaptation: not recommended for summer. 1842.

Royal Green—Breeder and vendor: Royal Sluis B.V. Characteristics: 45 days to maturity, darker green version of Grand Rapids, very uniform, green leaf. Resistance: tipburn. 1988.

Royal Red—Breeder and Vendor: Royal Sluis B.V. Characteristics: 45 days to maturity, deep red version of Grand Rapids, larger frames than Red Rapids but not as large as Red Sails; red leaf type. Resistance: tipburn. 1988.

Simpson Elite—Breeder and vendor: Twilley Seeds. Characteristics: 45 days to maturity, slow bolting, medium light green, leaves are attractive, broad and crumpled with curled outer leaf margins. 1998.

Slider—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: Romaine type, medium sized, narrow base and wide midsection, well suited for hearts due to torpedo shape.

Resistance: corky root. Adaptation: Florida.

Snappy—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: Romaine type, medium sized, very bright green leaves, late in closing. Resistance: corky root. Adaptation: Florida.

Sniper—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: large heading, dark green crisphead lettuce, large frame to provide good head protection. Resistance: corky root. Similar: Sharp Shooter. Adaptation: coastal California.

Sphinx—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Characteristics: medium heads, 40–45 days to maturity, light to medium green color, and smooth leaf texture. Resistance: downy mildew, tipburn and bolting. Similar: Boston. Adaptation: can be cultivated in U.S. if sown in proper season.

Sunset—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Characteristics: Red Oak leaf lettuce, 45–65 days to maturity, intense red leaf color and compact heads. Resistance: downy mildew. Similar: Red Salad Bowl. Adaptation: can be cultivated in U.S. if sown in proper season.

Tarragona—Breeder: Frank Casellas. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: Tango type, lobed leaf, colors darker than Tango, leaf thicker than Tango. Similar: Tango. Adaptation: all areas, specialty markets.

Terrapin—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: very large bright green colored Romaine with smooth leaf surface, slow bolting, slow closing, heavy, excellent for cartons and processing. Resistance: corky root. Adaptation: Florida.

Torino—Breeder: Debbie Mitchell. Vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: Red Oak leaf type with longer leaf, deeper lobes than Valencia. Similar: Valencia. Adaptation: U.S.

Tracer—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: Salinas type crisphead, good color, large heads, and poor head formation under warm conditions. Resistance: corky root. Similar: Cowboy and Wrangler. Adaptation: coastal California.

Tres Fine Marie (HMX 8524)—Breeder: Clause. Vendor: Harris Moran Seed Co. Parentage: open pollinated. Adaptation: all endive production areas. 1998.

Wolverine—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: late winter harvested crisphead lettuce, develops a thick leaf texture, good color, excellent pack appearance. Adaptation: U.S. and desert Southwest.

Xena—Breeder: Clause. Vendor: Harris Moran Seed Co. Characteristics: glossy green leaf, large head. Resistance: tipburn and bolting tolerance. Similar: Genecorp Two Star. Adaptation: all loose leaf areas.

ENDIVE—BELGIAN (WITLOOF CHICORY)

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Daliva—Breeder: Nunhems. Vendor: Cannors. Characteristics: suitable for forcing with or without soil; tight, uniform chicons. Resistance: internal browning. Adaptation: September to February forcing.

Faro—Breeder: Nunhems. Vendor: Cannors. Characteristics: forcing without soil cover; hydroponics only. Resistance: internal browning. Adaptation: February to September forcing.

Focus (Nun 6063)—Breeder and vendor: Nunhems. Characteristics: suitable for forcing. Resistance: internal browning. Adaptation: October to end of December forcing. 1991.

Rinof (Nun 32260)—Breeder: Nunhems. Vendor: Cannors. Characteristics: suitable for forcing, right medium long well closed chicons,

very uniform and productive, only suitable for hydroponics. Resistance: internal browning. Similar: Flash. Adaptation: February to end of September forcing. 1991.

ESCAROLE

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Ciarda—Breeder and vendor: Enza Zaden.
Coral—Breeder and vendor: Enza Zaden.
Nutrobel—Breeder and vendor: Enza Zaden.
Perfect—Breeder and vendor: Enza Zaden.
Twinkle—Breeder and vendor: Enza Zaden.

GOURD—BENINCASA

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Oblong—Vendor: Jordon Seeds. Characteristics: fruit 12 × 24" long, weighing up to 20 lb. 1998.

Ton Qwa Round—Vendor: Evergreen. Parentage: from Japan. Characteristics: medium-sized round fruit weighing 15–20 lb., very productive. 1994.

GOURD—CUCURBITA

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Autumn Wings (Swan)—Vendor: Rupp Seeds. Characteristics: dipper shaped fruit with bowl measuring 2 1/2–3" in diameter and a narrow neck up to 8" long; rind multicolored, warted, and "winged" (ridged); 100 day maturity. 2000.

Crown of Thorns, Shenot—Breeder: Agway. Vendor: Hollar. Parentage: selected from variant grown at Shenot Farms. Characteristics: similar to Crown of Thorns but rind is brightly multicolored; 90–100 day maturity. 1982.

GOURD—LAGENARIA

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Apple (African Square, Big Apple)—Breeder: Rocky Ford Gourds. Vendor: MarketMore. Characteristics: apple-shaped, green mottled fruit measuring 6" diameter. 1999.

Basket, Hollar—Breeder: Hollar. Vendor: Rupp Seeds. Characteristics: similar to Bushel Basket but with smaller fruit, 120 day maturity. 2000.

Bottle, Baby—Vendor: Holmes Seed Co. Characteristics: uniform bilobal shaped fruit measuring 2" wide × 4" long. Similar: Miniature Bottle. Adaptation: curing in dry storage takes several months. 2000.

Bottle, Black Seeded—Vendor: Nichol's. Characteristics: dipper shaped fruit measuring 12" long with a 5" long bowl measuring 7" wide and a 7" long neck measuring 2" wide, seeds almost black. 1990.

Cheese Gourd—Vendor: Seed Savers. Parentage: USDA. Characteristics: flat, discoid fruit with 10 shallow grooves measuring 7"

wide × 5" long, flesh orange. 1992.

Dipper, Tarahumara—Vendor: Native Seeds, Search. Parentage: from Barranca del Cobre, Mexico. Characteristics: dipper shaped fruit. 2000.

Giant African Water Bottle—Vendor: Seed Savers. Characteristics: 24" tall fruit with swollen blossom end measuring 9" diameter and elongated neck measuring about 2" thick. 1991.

Gooseneck, SSE—Vendor: Seed Savers. Characteristics: elongated fruit measuring 22" long with a thin neck and blossom end that gradually enlarges to 6" wide. 1999.

Little Man—Vendor: Seed Savers. Characteristics: small round fruit measuring about 6" wide × 5" long. 1991.

Mayo Teardrop Bule—Vendor: Native Seeds, Search. Characteristics: teardrop to slight bilobal shaped fruit. 2000.

Nigerian Saybo—Vendor: Seed Savers. Parentage: from Nigeria. Characteristics: elongated bilobal measuring 18" long with a 6" diameter blossom end bowl and a 3" diameter stem end bowl. 1991.

Oval Basket—Vendor: Sakata. Parentage: from Japan. Characteristics: oval fruit 10" wide × 17" long. 1991 (or before).

Peru Sugar Bowl—Vendor: Seed Savers Exchange. Characteristics: 6" round fruit with a very short stem end neck. 1988.

Purple Martin (Martin, Bird's Nest, sometimes called Birdhouse which is applied to a wider range of fruit types)—Vendor: Rocky Ford Gourds. Parentage: native to Southeast U.S. where the fruit were used as outdoor nesting containers for purple martins. Characteristics: fruit with swollen blossom end measuring 12–16" diameter and a thick variably elongated neck, rind thick and hard. Speck's Gourds of the Southeastern Indians. 1941.

Straightneck Wren House—Vendor: Rocky Ford Gourds. Characteristics: dipper to pear-shaped fruit with 6" wide bowl and 1" wide neck. 2000.

Swan (Goose, Speckled Swan, sometimes "Swan" is mis-applied as a synonym for Maranka)—Vendor: Park Seeds. Parentage: native Americans. Characteristics: large dipper shaped fruit with an enlargement near the stem-end of the neck, fruit 14–18" long with a 6" diameter bowl, rind mottled green, 100–120 day maturity. Similar: Indonesian Bottle. 1989.

Tarahumara Bilobal—Vendor: Native Seeds, Search. Parentage: from Chihuahua, Mexico. Characteristics: large bilobal shaped fruit. 2000.

Tarahumara Chatos—Vendor: Native Seeds, Search. Parentage: from Barranca del Cobre, Mexico. Characteristics: flat, discoid fruit. 2000.

Tarahumara Small Bule—Vendor: Native Seeds, Search. Parentage: from northwestern Mexico. Characteristics: small, round fruit. 2000.

GOURD—LUFFA SPONGE

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White Seed (Decker-Walters 885)—Vendor: The Cucurbit Network. Parentage: from Republic of South Africa. Characteristics: mature fruit short, seeds tan with white wings. 1993.

HERBS—PARSLEY

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Bartowich Long—Vendor: Johnny's. Characteristics: 95 days, good flavor, fall, winter and spring harvest, slender roots 7–10" long, nutty taste; root parsley type.

Bravour—Vendor: Seeds-by-Size. Characteristics: more recent cultivar with high yield of early dark green leaves; curled leaf parsley type.

Champion Moss Curled—Vendor: Seed Savers Exchange. Characteristics: 70–85 days; curled leaf parsley type.

Clivi—Vendor: Seeds-by-Size. Characteristics: dwarf plant, very neat and prolific, base leaves do not turn yellow; curled leaf parsley type.

Consort—Vendor: Seeds-by-Size. Characteristics: emerald green leaves 8" long and 10" wide; curled leaf parsley type.

Curlina—Vendor: Seeds-by-Size. Characteristics: rich green color, for fresh market; curled leaf parsley type.

Dark Green Curled—Vendor: Redwood City Seed Co. Characteristics: densely curled leaves; curled leaf parsley type.

Dark Green Italian var. neapolitanum—Vendor: Southern Exposure Seed Exchange, Twilley Seeds. Characteristics: 78 day celery leaf cultivar, good flavor, excellent for drying; plain-leaf parsley type.

Darki—Vendor: Seeds-by-Size. Characteristics: dwarf, intensely curled, very deep green; curled leaf parsley type.

Decora—Breeder: Sakata. Vendor: Twilley Seeds. Characteristics: 80 days, dark green leaves; curled leaf parsley type. 1979.

Extra Curled Dwarf—Vendor: Nichols Garden Nursery. Characteristics: compact plants, dark green moss-like leaves; curled leaf parsley type.

Extra Triple Curled (Moss Curled Sel.)—Vendor: Seeds-by-Size. Characteristics: compact, densely curled, dark green; curled leaf parsley type.

Fakir—Vendor: Seedway. Characteristics: 85 days, parsnip shaped roots, dark green plain leaf top, high yields; root parsley type.

Favorit—Vendor: Bejo. Characteristics: 75 days, very dark green double curled leaves; curled leaf parsley type.

Fern (EX 5510058)—Breeder: Tom McBride. Vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: wide leaf, high quality flat leaf parsley, dark green and glossy. Resistance: None. Similar: Dark Green Italian. Adaptation: northeastern U.S. 2000.

Forest Green—Vendor: Richters, Johnny's, Southern Exposure Seed Exchange, Twilley Seeds, Seedway. Characteristics: 75–80 days, good flavor, long, stiff, upright stems, good for bunching; standard curled leaf parsley type. Resistance: tolerant to heat.

French—Vendor: Seeds-by-Size. Characteristics: plain dark green, deeply cut leaves with fine flavor; curled leaf parsley type.

Frisca Curly Parsley—Vendor: Shepherd's Garden Seeds. Characteristics: 75 days; vigorous Dutch cultivar with dense, extra curly leaves, fine flavor; curled leaf parsley type. Resistance: mildew.

Frison—Vendor: Seeds-by-Size. Characteristics: darker than Moss Curled, a heavy cropper; curled leaf parsley type.

Giant Italian Parsley—Vendor: Nichols Garden Nursery. Characteristics: 85 days, 2–3 feet tall and thick stalked; plain-leaf parsley type.

Gigante Catalogno—Vendor: Johnny's. Characteristics: large flat leaves, 2.0–2.5" long; good taste; plain-leaf parsley type.

Gigante d'Italia—Vendor: Redwood City Seed Co., Shepherd's Garden Seeds. Characteristics: 2–3' wide plants with leaves 2" across, aromatic, mild taste with a juicy texture; plain-leaf parsley type.

Green River—Vendor: Richters, Nichols Garden Nursery. Characteristics: 70 days, medium green, double-curved type, good early branching; slow bolter; curled leaf parsley type. Resistance: diseases, tolerant to cold and heat. Adaptation: bedding plant production and home garden.

Hamburg—Vendor: Richters, Nichols Garden Nursery. Characteristics: 90 days, standard cultivar, roots 8–10" long, flat leaves; root parsley type.

Italian—Vendor: Richters, Redwood City Seed Co. Characteristics: 75 days, dark green leaves with strong flavor; plain-leaf parsley type.

Italian Dark Green—Vendor: Johnny's. Characteristics: strong taste, flat dark green leaves with strong parsley/celery flavor, stiff upright stems for bunching; plain-leaf parsley type.

Italian Plain Leaf—Vendor: Seedway. Characteristics: 78 days, dark green flat leaf, vigorous growth; plain-leaf parsley type.

Krausa—Vendor: Seedway. Characteristics: 75 days, dark green very dense curled leaf, strong stalks, fast regrowth; curled leaf parsley type.

Moss Curled—Vendor: Richters. Characteristics: bright green with deeply cut leaves; standard curled leaf parsley type.

Novas—Vendor: Seeds-by-Size. Characteristics: best plain-leaf cultivar, good regrowth, not cold tolerant; plain-leaf parsley type.

Pagoda—Vendor: Bejo. Characteristics: 85 days, moss curled leaves, long stemmed; curled leaf parsley type.

Paramount—Vendor: Holmes Seed Co. Characteristics: 85 days, triple curled, uniform curled dark green leaves, adapts well; curled leaf parsley type.

Petra—Vendor: Bejo. Characteristics: 87 days, moss curled parsley with strong, long stems and densely curled dark green leaves; good regrowth after cutting; curled leaf parsley type.

Plain—Vendor: Richters, Nichols Garden Nursery. Characteristics: 72 days, deeply cut, bright green leaves, good flavor; plain-leaf parsley type.

Regent—Vendor: Seeds-by-Size. Characteristics: small plant, overwinters, tightly curled, can be grown in pots; curled leaf parsley type.

Salsa (SSC 47014)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Similar: Leisure. Adaptation: all coriander growing regions. 2000.

Shamrock Double Curled—Breeder and vendor: Shamrock Seed Co. Characteristics: open pollinated; double curl type with 75-day maturity; plants dark green; recovers quickly after cutting; excellent for fresh market and dehydration. Similar: Forest Green. Adaptation: throughout U.S. if sown in proper season. 1996.

Single-Leaf Italian—Vendor: Shepherd's Garden Seeds. Characteristics: 80 days, full-flavored broad-leaf parsley with dark green leaves, good for drying in bunches; plain-leaf parsley type.

Sweet Italian—Vendor: Johnny's Selected Seeds. Characteristics: deep green leaves; sweet taste; plain-leaf parsley type.

Triple Curled—Vendor: Twilley Seeds. Characteristics: 88 days, tightly curled leaves, less productive than Decora; curled leaf parsley type.

Verdi—Vendor: Seeds-by-Size. Characteristics: summer and autumn cutting, heavy yielding, closely curled; curled leaf parsley type.

KALE

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Blue Armor—Breeder and vendor: Abbott and Cobb. Parentage: F1 hybrid. Characteristics: vigorous Scotch-type kale, deep blue-green, very curled and fringed leaves, very uniform and high-yielding; wide petiole spacing makes for easy harvest. Adaptation: wide; suitable for spring or fall plantings; may also be grown for a winter crop in southern states. 1990.

Blue Knight—Breeder and vendor: Abbott and Cobb. Parentage: F1 hybrid. Characteristics: vigorous Scotch-type kale, deep blue-green, firm curly leaves that hold up well when cut, very uniform and high-yielding cultivar. Adaptation: wide; suitable for spring or fall plantings; very slow to bolt, making it useful for a winter crop in southern states. 1990.

Blue Ridge—Breeder and vendor: Sakata. Parentage: F1 hybrid. Characteristics: semi-tall plant type, midseason maturity and long yield, dark, blue-green leaves with attractive, full curl; slow to bolt or stretch and is suitable for stripping or cutting for fresh market. Adaptation: wide. 1998.

LEEK

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Albinstar—Breeder and vendor: Enza Zaden.

Almera (E15505)—Breeder and vendor: Enza Zaden. Parentage: open pollinated. Adaptation: U.S. 1999.

Arena—Breeder and vendor: Enza Zaden.

Atlanta (E15503)—Breeder and vendor: Enza Zaden. Parentage: open pollinated. Adaptation: U.S. 1999.

Cisco (Pancho)—Breeder and vendor: Nickerson-Zwaan Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: early maturing; produces leeks with 12 to 16 inch shafts; plants medium green, upright, easy to peel, vigorous; bolting tolerant. Similar: Jolant. Adaptation: wide; California, Florida, north-eastern U.S. 1999.

Firena—Breeder and vendor: Enza Zaden.

Tadorna—Breeder and vendor: Enza Zaden.

LETTUCE

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504 Green (Lettuce MI)—Breeder: D. Mitchell. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: Greenleaf with bright glossy green color. Resistance: none listed. Similar: no cultivar like it. Adaptation: Yuma Arizona, coastal and Huron California. 1997.

Acclaim—Breeder and vendor: Orsetti Seed Company, Inc. Parentage: open pollinated.

Admiral Cos (G x811)—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: very dark colored Romaine with smooth leaf, large size, wide girth. Similar: Darkland Cos. Adaptation: coastal California and San Joaquin Valley. 1999.

Allegiance (SSC 30390)—Breeder and vendor: Shamrock Seed Co. Resistance: downy mildew. Similar: Baja. Adaptation: California, Arizona, and butter lettuce production regions. 1999.

Amarillo (GX 106)—Breeder: Jody Grossen. Vendor: Seminis-Genecorp. Parentage: open pollinated. Characteristics: large size butter head, medium to light green color, smooth leaf surface, good bolt tolerance. Resistance: downy mildew 1–16. Similar: Esmeralda. Adaptation: California. 2000.

Amazon (HMS 7550)—Breeder: Philip Sarreal. Vendor: Harris Moran Seed Co. Parentage: open pollinated. Characteristics: very vigorous frame; large heavy head, dark green butterhead type. Resistance: downy mildew pathotypes 1, 2, and 3; LMV. Similar: Tania. Adaptation: coastal and desert California; Yuma, Arizona. 2000.

Anthem (SSC 30380)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: downy mildew. Similar: Baja. Adaptation: California, Arizona, and butter lettuce production regions. 1999.

Armada (SSC 30352)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: downy mildew. Similar: Red Salad Bowl. Adaptation: all lettuce production regions. 1999.

Athena (29705)—Breeder and vendor: Enza Zaden. Parentage: open pollinated. Adaptation: North America. 1997.

Bacardi—Breeder and vendor: Enza Zaden.

Ballon—Breeder: Vilmorin. Vendor: Cook's Garden. Characteristics: large, pale European romaine, fine textured and heat tolerant. Similar: Eiffel Tower. 1883.

Batallion (SSC 30422)—Breeder and vendor: Shamrock Seed Co., Inc. Parentage: open pollinated. Characteristics: a triple red Lollo

Rossa that produces dark, maroon colored leaves with very frilly leaf margins; an excellent component in baby leaf salads; downy mildew resistance (pathotypes I, IIA, IIB, III, IV, V). Resistance: downy mildew. Similar: Mercury. Adaptation: all U.S. lettuce growing regions. PVP: none. 1999.

Bazooka (E28514)—Breeder and vendor: Enza Zaden. Parentage: open pollinated. Characteristics: Iceberg lettuce. Resistance: downy mildew races 1–16. 1999.

Billabong (XP 9200037)—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: open pollinated. Characteristics: export quality Iceberg, very uniform, high-quality heads with smooth well-rounded heads and small core. Resistance: CRR. Similar: Top Gun. Adaptation: Salinas Valley California. 1999.

Brave Heart (PS 4837)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: Romaine, tall, compact, either for normal harvest or hearts. Resistance: none claimed. Similar: Gladiator. Adaptation: United States. 2001.

Brigade (SSC 30382)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: downy mildew. Similar: Little Gem. Adaptation: all lettuce production regions. 1999.

Brune d'Hiver—Vendor: Cook's Garden. Characteristics: hardy, delicately bronzed pale green. Similar: Rouge d'Hiver, Butterhead. 1865.

Bullet (GX 820)—Breeder: Jodi Grosser. Vendor: Seminis-Genecorp. Parentage: open pollinated. Characteristics: Romaine, medium size, dark green colored leaves, leaf surface moderately blistered. Similar: PIC. Adaptation: west coast and southwest U.S. 1999.

Burbank Fancy Blend—Breeder and vendor: W. Atlee Burpee and Co. 1999

Burgandy Ice—Breeder and vendor: W. Atlee Burpee and Co. 1999.

Calendar (22503)—Breeder and vendor: Enza Zaden. Parentage: open pollinated. Adaptation: North America.

Cannery Row (GX 605)—Breeder: Debbie Mitchell. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: dark green Salinas type. Resistance: big vein. Similar: Spreckels. Adaptation: Early Salinas. 1998.

Capistrano (PS 77393 MI)—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: open pollinated. Characteristics: Romaine with excellent uniformity; open plant habit, very attractive dark green, slow bolting, wide harvest window. Similar: unlike other cultivars, unique. Adaptation: southwest U.S. PVP. 1998.

Captain Cos (G x805)—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: dark green Romaine with blistered leaves, narrow base, solid heart. Resistance: corky root. Similar: King Henry. Adaptation: desert southwest U.S. 1999.

Cavalry (SSC 30496)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: downy mildew races 1 to 5. Similar: Red Rage. Adaptation: all lettuce production regions. 2000.

Charled (SX 9568LT)—Breeder: Aad van der Arend. Vendor: Sunseeds. Parentage: open pollinated. Characteristics: medium size, closed base, slow bolting, tip burn tolerant. Resistance: BLI 3-10, 14-22. Adaptation: greenhouse. 2001.

Cheyenne (FMX2257)—Breeder and vendor: Harris Moran Seed Co. Parentage: open pollinated. Characteristics: medium to large frame, dark green leaves; refined appearance, excellent for export market. Resistance: downy mildew, California pathotype 3. Similar: Salinas. Adaptation: late; desert. 2000.

Clemente—Vendor: Royal Sluis. Characteristics: Romaine type. Resistance: lettuce mosaic virus. 1992.

Cleopatra—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Adaptation: California, Arizona, Mexico. 1999.

Colossus (SSC 30376)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: big vein, downy mildew races 2B, 3, 4. Similar: Winterhaven. Adaptation: southwestern U.S. desert.

Conquistador (PX0136)—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: dark green Romaine; very uniform maturing, well suited for winter harvest, for fresh pack and

hearts. Resistance: corky root rot. Similar: Green Towers. Adaptation: desert southwest U.S. 1999.

Cougar (GX 815)—Breeder: Jodi Grossen. Vendor: Seminis-Genecorp. Parentage: open pollinated. Characteristics: Romaine with dark green colored leaves, leaf surface moderately blistered, tall, wide long leaves. Resistance: corky root. Similar: Romo. Adaptation: U.S. west coast and southwest. 1999.

Crispy Frills—Breeder and vendor: W. Atlee Burpee and Co.

Crissy (E26700)—Breeder and vendor: Enza Zaden. Parentage: open pollinated. Characteristics: cross between a red leaf and a Lollo Rosa. Resistance: DMR 1–16. Adaptation: California, Arizona. PVP. 1999.

Cupid—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: Green Oak type leaf lettuce; 45–65 day maturity; medium to large heads; light green color; slow bolting. Similar: Salad Bowl. Adaptation: can be cultivated in U.S. if sown in proper season.

Curly Oakleaf—Breeder: Vilmorin. Vendor: Cook's Garden. Characteristics: known as Feuille de Chene or Foglie di Quercia and used solely as a cutting lettuce; sizable head at maturity if thinned; harvest frequently for best quality. 1881.

Defender (SSC 30383)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: downy mildew. Similar: Harris Island Cos. Adaptation: all lettuce production regions. 1999.

Desperado (G x 630)—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: medium sized, sure heading iceberg, medium green color, good head coverage. Similar: Spector. Adaptation: San Joaquin Valley California; Annie slot. 1999.

Dingo (XP 9200138)—Breeder: Bernie Hamel. Vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: medium blue green, medium height, 75 days, heat tolerant, widely adapted, use for early desert harvest. Resistance: downy mildew, corky root rot. Similar: Packman. Adaptation: U.S. southwestern desert, northeastern U.S., Mexico. 2000.

Empire Select—Breeder and vendor: Shamrock Seed Company, Inc. Parentage: open pollinated. Characteristics: Crisped type; 65–70 day maturity; medium sized head; medium green color; produces uniform, firm heads with good bolting and tipburn tolerance. Similar: Empire. Adaptation: Arizona, California. 1999.

Eruption (E30500)—Breeder and vendor: Enza Zaden. Parentage: open pollinated. Characteristics: bright red Romaine. Similar: Baby Leaf. Adaptation: U.S.

Escort—Breeder and vendor: Enza Zaden. 1999.

Esmeralda—Vendor: Royal Sluis B.V. Characteristics: buttery, lime green heads, yields are good; replaces Canada Boston, slow bolting, butterhead type. Resistance: tipburn, lettuce disorder. 1991.

Fever—Breeder and vendor: Enza Zaden.

Fireglow—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: red Lolla Rossa lettuce, 45–65 days to maturity, medium head size, deep red leaf color and very frilled leaves. Adaptation: can be cultivated in U.S. if sown in proper season. 1999.

Focus—Breeder and vendor: Enza Zaden.

Fresh/Heart (BOS 9021)—Breeder and vendor: Orsetti Seed Co. Parentage: open pollinated.

Gator—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: western type iceberg, large frame and head, leaf is medium blistered with a dark green color. Resistance: corky root; tolerant to tipburn. Similar: no other cultivar. Adaptation: Florida. 1999.

Gaicho—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: Iceberg with dark colored blistered leaves, excellent uniformity and very sure heading. Similar: Bubba. Adaptation: Honcho 2 slot—San Joaquin Valley, California, spring. 1999.

Genecorp Green—Breeder and vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: green leaf. 1986.

Giant Caesar—Breeder and vendor: W. Atlee Burpee and Co. 2000.

Ginie—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: mini romaine lettuce; 45–70 day maturity; dark green, glossy leaves; very short plant width moderately blistered leaves; very compact mini Cos lettuce. Resistance: downy mildew. Similar: Little Gem. Adaptation: can be cultivated in U.S. if sown in proper season. 1999.

Golden Bibb—Breeder and Vendor: Scattini Seeds, Inc. Characteristics: Butterhead. 1985.

Granada (G x 903)—Breeder: Debbie Mitchell. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: dark colored red oakleaf used for mesclun mix. Similar: Valencia. Adaptation: U.S. 1997.

Grappa (20507)—Breeder and vendor: Enza Zaden. Parentage: open pollinated. 1997.

Greenday—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: open pollinated. Characteristics: Waldman green leaf type, dark green with uniform frill, medium slow bolting. Resistance: tipburn. 1997.

Grizzly (PS 7328)—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: open pollinated. Characteristics: uniform, sure heading crisphead for winter harvest period of the southwestern U.S. deserts; large frame with good head production, good exterior color. Similar: Winterhaven. Adaptation: southwest U.S., Yuma and Imperial Valley. 1999.

Guardiane (SSC 30388)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: downy mildew. Similar: New Red Fire. Adaptation: all lettuce production regions. 1999.

Gypsy—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: 45–70 day maturity; produces medium-dark green leaves with slight blistering; plants are short and compact. Resistance: downy mildew. Similar: Little Gem. Adaptation: can be cultivated in U.S. if sown in proper season. 1999.

Harmony (SSC 30380)—Breeder and vendor: Shamrock Seed Co. Resistance: downy mildew. Similar: Baja. Adaptation: California, Arizona, and other butter lettuce production regions.

Ideal Cos—Breeder and vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: 73 days to maturity, medium green color, tall, upright, smooth, elongated leaves, leaves smoother and heavier than Parris Island Cos; slow to bolt. 1991.

Infantry (SSC 30513)—Breeder and vendor: Shamrock Seed Co., Inc. Parentage: open pollinated. Characteristics: red romaine type that enhances color in baby leaf salads; its leaves have a very dark, red wine color and smooth texture; leaf shape is similar to a typical baby romaine leaf (lobed at the top and tapering at the stem end). Resistance: downy mildew (pathotypes I, IIA, IIB, III, IV, V). Similar: Bakito. Adaptation: all U.S. lettuce growing regions. PVP: none. 2000.

Invader (GX 607)—Breeder: Debbie Mitchell. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: Iceberg type, grayish green color, good bolting tolerance, flat butt, smooth petioles. Similar: Raider. Adaptation: summer coastal areas. 1997.

Ithaca—Breeder: G. Raleigh. Vendor: Cornell Univ. Characteristics: 72 days to maturity, superior iceberg type, tolerate to summer heat, slow to form seed stalks; large, solid tightly wrapped heads stay firm, grows 5–6 inches across; heads all summer, crisp and delicious, never gets rubbery or bitter. Resistance: tipburn and brown rib. 1969.

Jackal (PS 0874 MI)—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: open pollinated. Characteristics: Vanguard type crisphead lettuce for spring harvest, good leaf texture and color, high yield potential, good cello appearance. Similar: Vanguard. Adaptation: desert southwest U.S. 1998.

Kinmontepas—Breeder: Boret. Characteristics: standard summer lettuce in France; slow-bolting, pale green, excellent texture and taste; Butterhead type. 1952.

Klamath (PS 3726)—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: open pollinated. Characteristics: dark green tall Romaine, open type, slightly blistered leaf. Resistance: corky root. Similar: Gladiator. Adaptation: coastal California, Salinas Valley. 1999.

Krypton (PS 3127)—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: open pollinated. Characteristics: large heading, unique glossy green, very slow bolting, open habit, wide harvest window. Resistance: downy mildew. Similar: Royal Queen. Adaptation: U.S. PVP no. 9700037. 1999.

La Brillante—Vendor: Cook's Garden. Characteristics: combines shiny leaf of crisphead type with butterhead tenderness; delicately toothed, vibrant green leaves; Batavia type. 1936.

Laramie (FMX 2367)—Breeder and vendor: Harris Moran Seed Co. Parentage: open pollinated. Characteristics: dark green leaves, medium to large frame; leaf type is moderately blistered, Salinas type. Resistance: big vein, lettuce mosaic virus, downy mildew-California pathotype 1, 3. Similar: Salinas. Adaptation: late; desert. 2000.

Le Cup—Breeder and vendor: Asgrow Seed Co. Characteristics: miniature crisphead. 1991.

Leatherback (GX 819)—Breeder: Jodi Gosen. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: large green open Romaine with dark green color, leaf surface. Resistance: corky root. Similar: Romo. Adaptation: Florida. PVP applied for. 1993.

Little Gem—Breeder: Vilmorin. Vendor: Burpee Gardens. Characteristics: 65 days to maturity, English favorite, bright green leaves 6" long, excellent flavor, crisp texture, succulent midribs, fast growing, Latin type. Similar: Sucrine. 1880.

Major Cos—Breeder and vendor: Seminis Vegetable Seeds-Genecorp. Characteristics: 77 days to maturity, head heavy, upright, dark green, lightly blistered leaves, early, slow bolting, heavy, compact heads with wide, well colored leaves. 1991.

Manavert—Breeder and vendor: Enza Zaden. Adaptation: North America. 1997.

Marin (BOS 9041)—Vendor: Orsetti Seed Co. Characteristics: a somewhat larger Two Star type green leaf with improved color; leaves are wavy, frilled, have heavy weight, and thick texture; excellent pliability is beneficial to retaining head integrity during packing and shipping. Similar: Two Star. Adaptation: U.S. PVP pending. 2001.

Meadow—Breeder and vendor: Enza Zaden.

Mini-Green—Breeder: W. Waycott and E.J. Ryder. Vendor: USDA Res. Sta., Salinas, CA. Characteristics: iceberg type, heads size of a baseball, dark green color with solid heads, interior color is creamy yellow, takes heat well.

Mohawk (PS 6386 MI)—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: open pollinated. Characteristics: Vanguard type crisphead, early maturity, sure heading, large head, large wrap, dark green color, bolt tolerant, plant late September to early October. Similar: Vanguard. Adaptation: desert southwest U.S. 1998.

Monolith (SSC 30375)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: big vein, downy mildew (races 3, 5). Similar: Winterhaven. Adaptation: during winter in the desert Southwest. 2001.

Montello—Breeder: L. Sequeira. Vendor: Univ. Wisconsin. Characteristics: 75 days to maturity, large, dark green heads, highly tolerant to corky root, heat, and splitting; vigorous, widely adapted. 1978.

Mossberg (SSC 30387)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: big vein. Similar: Pam's Island Cos. Adaptation: all major lettuce growing regions. 2000.

Nancy—Vendor: Seedway, Inc. Characteristics: 65 days to maturity, medium head, compact, good weight, smooth, rounded leaves, medium green color, excellent quality and texture and clean underside.

Navigator (G x 615)—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: Vanguard type, dark green, good head formation. Similar: Annie. Adaptation: late fall, southwest U.S. 1998.

New Red Fire—Characteristics: 48 days to maturity, medium to large, dark red heads, red tinge, leaves ruffled with waxy margins, red loose leaf with full center, uniform head holds color well and slow bolting.

Nile (LM 2641)—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: green butter lettuce; 45–55 day maturity; medium head size; medium

green color; smooth thick leaves; good shelf life. Resistance: downy mildew. Similar: Boston Bibb. Adaptation: can be cultivated in U.S. if sown in proper season.

North Pole—Vendor: Cook's Garden. Characteristics: pale green, very cold hardy, adapted for overwintering under cover; ideal size at onset of winter is 4 to 6 inches across. Similar: Arctic King.

Optima—Breeder and vendor: Vilmorin, S.A. Characteristics: 52 days to maturity, dark green Nancy type, thick leaves, larger and heavier. Resistant: tipburn and bottom rot. 1995.

Outback (144 725)—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: open pollinated. Characteristics: taller Romaine that carries weight well; color and texture of leaf is very similar to current market standards. Resistance: CRR. Similar: Green Towers. Adaptation: coastal California and desert southwest U.S. 1999.

Pace Setter (SSC 30415)—Breeder and vendor: Shamrock Seed Co. Characteristics: iceberg type with excellent uniformity; produces large, firm heads, rounded shape, smooth, flat butts; medium green heads; slightly blistered, crisp leaves; adapted for summer harvest; high tipburn tolerance. Similar: Salinas. Adaptation: California coastal area. 2001.

Panther (GX 814)—Breeder: Jodi Grassen. Vendor: Seminis-Genecorp. Parentage: open pollinated. Characteristics: Romaine with medium to dark green colored leaves, smooth leaf surface, tall plant, short core. Resistance: corky root. Similar: Green Towers. Adaptation: west coast and southwestern U.S. 1999.

Pinecrest (29709)—Breeder and vendor: Enza Zaden. Parentage: open pollinated. Adaptation: North America.

Pliant—Breeder and vendor: Orsetti Seed Co. Parentage: open pollinated.

Ramses (LM 9615)—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: green butter lettuce; 50–65 day maturity; produces medium heads, leaves are thick, medium green in color and smooth. Resistance: downy mildew; tipburn. Similar: Boston Bibb. Adaptation: can be cultivated in U.S. if sown in proper season.

Rave—Breeder and vendor: Johnny's Selected Seeds. Parentage: open pollinated. 2000.

Red Butterworth (169398)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: open pollinated. Characteristics: suitable for spring, summer, and autumn harvest, resists bolting when stressed, heads are heavy, firm, green color, leaves are blistered. Adaptation: wholesale and home garden. 2000.

Red Dawn—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: red oakleaf lettuce; 45–65 day maturity; medium to large heads; red leaf color; excellent shelf life. Resistance: downy mildew. Similar: Red Salad Bowl. Adaptation: can be cultivated in U.S. if sown in proper season.

Red Gem (LM 4965)—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: red Lolla Rossa lettuce; 45–65 day maturity; medium sized heads; deep red color; very frilled leaves; synonym is Impuls. Similar: Lolla Rossa. Adaptation: can be cultivated in U.S. if sown in proper season. 1997.

Red Green—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: red Lolla Rossa lettuce; 45–65 day maturity; medium sized heads; deep red color; very frilled leaves. Similar: Lollo Rossa. Adaptation: can be cultivated in U.S. if sown in proper season. 1997.

Red Grenoble—Breeder: Vilmorin. Vendor: Cook's Garden. Characteristics: shiny, wine red leaves, vigorous grower, resistant to adverse conditions, can be cut young or left to head up; Batavia type. 1932.

Red Rustler—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: red loose-leaf lettuce, 45–65 day maturity, medium large heads; deep red leaf color; very frilled leaves. Similar: New Red Fire. Adaptation: can be cultivated in U.S. if sown in proper season.

Red Sails—Breeder and vendor: Seminis Vegetable Seeds-

Petoseed. Characteristics: 45 days to maturity, fast growing, heat-tolerant and slow to bolt, open heads up to a foot across, deepens in color as they mature, bronze-red leaves, holds color and sweetness in hot weather. 1986.

Red Velvet—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: red butter lettuce; 45–65 day maturity; medium heads; deep red outer leaf color; blistered leaf texture; yellow green inner leaves. Similar: Merveille de 4 Saisons, Salinas. Adaptation: can be cultivated in U.S. if sown in proper season. 1997.

Redina—Breeder and vendor: Enza Zaden. Characteristics: reddest cultivar of Grand Rapids type, color is intense candy red, green butt, pliable, non-brittle ribs, slow to tipburn; red leaf. 1995.

Regiment (SSC 30391)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: downy mildew. Similar: Lollo Rossa. Adaptation: all lettuce production regions. 1999.

Reine des Glaces—Breeder: Vilmorin. Vendor: Cook's Garden. Characteristics: deeply notched leaves and a convoluted head of frosty green; best results from spring plantings; Batavia type. 1883.

Remington (SSC 30474)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Similar: Pam's Island Cos. Adaptation: all major lettuce growing regions. 2001.

Rhapsody (SSC 30390)—Breeder and vendor: Shamrock Seed Co. Resistance: downy mildew. Similar: Baja. Adaptation: California, Arizona, and other butter lettuce production regions.

Ridgemark II (GX 607)—Breeder: Debbie Mitchell. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: F1 hybrid. Characteristics: grayish green color, good bolting tolerance, flat butt, smooth petioles. Similar: Raider. Adaptation: coastal areas of California. 1997.

Rolina—Breeder and vendor: Enza Zaden.

Rossada (21504)—Breeder and vendor: Enza Zaden. Parentage: open pollinated. Adaptation: North America. 1997.

Rosseto (G x 915)—Breeder: Debbie Mitchell. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: medium to dark red Lolla Rossa. Similar: no cultivar like it. Adaptation: U.S.

Rougette du Midi—Breeder: Vilmorin. Vendor: Cook's Garden. Characteristics: also known as Red Montpelier; red butterhead type for baby lettuce or off-season covered crops; not recommended for summer. 1842.

Royal Green—Breeder and vendor: Royal Sluis B.V. Characteristics: 45 days to maturity, darker green version of Grand Rapids, very uniform, green leaf. Resistance: tipburn. 1988.

Royal Red—Breeder and Vendor: Royal Sluis B.V. Characteristics: 45 days to maturity, deep red version of Grand Rapids, larger frames than Red Rapids but not as large as Red Sails, red leaf. Resistance: tipburn. 1988.

Santa Fe—Breeder and vendor: W. Atlee Burpee Co.

Santans (SSC 30473)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Similar: Vanguard. Adaptation: Yuma, Arizona and Imperial Valley. 2001.

Sentry (SSC 30399)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: downy mildew. Similar: Lollo Rossa. Adaptation: all lettuce Production regions. 1999.

Sequoia—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: Crisphead type; maturity is 90–110 days; large, dark green heads; extremely good in cool weather. Similar: Pybas 251. Adaptation: California central coast. 1996.

Simpson Elite—Breeder and vendor: Twilley Seeds. Characteristics: 45 days to maturity, slow bolting, medium light green, leaves are attractive, broad and crumpled with curled outer leaf margins. 1998.

Siskiyou—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: open pollinated. Characteristics: medium green, blistered leaf, Romaine, open plant habit, good internal blanching. Resistance: corky root, LMV. Similar: Green Towers. Adaptation: coastal California. 1999.

Slider (G x 818)—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: medium sized Romaine, narrow base and wide mid-section, well suited for hearts due to torpedo shape. Resistance: corky root. Adap-

tation: Florida. 1999.

Snappy (G x 817)—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: medium sized Romaine, very bright green leaves, late closing. Resistance: corky root. Similar: no cultivar like it. Adaptation: Florida. 1999.

Sniper (PS 3879)—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: Large heading dark green crisphead lettuce, large frame to provide good head protection. Resistance: corky root. Similar: Sharp Shooter. Adaptation: Coastal California. 1999.

Sphinx—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: 40–45 day maturity; medium heads; light to medium green color; smooth leaf texture. Resistance: downy mildew; tipburn; bolting. Similar: Boston Bibb. Adaptation: can be cultivated in U.S. if sown in proper season. 1999.

Steinbeck (GS 632)—Breeder: Lisa Muss. Vendor: Seminis-Genecorp. Parentage: open pollinated. Characteristics: large iceberg, medium green color, excellent texture, main growing season. Resistance: corky root. Similar: Sharpshooter. Adaptation: Salinas Valley, California February to June plantings. 2000.

Sunset—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: Red Oak leaf lettuce; 45–65 day maturity; intense red leaf color; compact heads. Resistance: downy mildew. Similar: Red Salad Bowl. Adaptation: can be cultivated in U.S. if sown in proper season. 1996.

Tarragona (G x 920)—Breeder: Frank Casellas. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: Tango type, lobed leaf; color darker than Tango, leafy thicker than Tango. Similar: Tango. Adaptation: all areas-specialty. 1998.

Terrapin (G x 816)—Breeder: Jodi Grossen. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: very large, bright green color, Romaine type with smooth leaf surface, slow bolting, slow closing, heavy, excellent for cartons and processing. Resistance: corky root. Similar: no cultivar like it. Adaptation: Florida. 1999.

Tigris—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: red loose leaf lettuce; 45–65 day maturity; medium large heads; intense red leaf color; broad leaves with blistered texture; upright plant habit. Resistance: tipburn. Similar: New Red Fire. Adaptation: can be cultivated in U.S. if sown in proper season. 1997.

Torino (G x 904)—Breeder: Debbie Mitchell. Vendor: Seminis Vegetable Seeds-Genecorp. Parentage: open pollinated. Characteristics: Red Oak leaf type with longer leaf, deeper lobes than Valencia. Similar: Valencia. Adaptation: U.S. 1997.

Tracer—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: open pollinated. Characteristics: Salinas type crisphead, high corky root tolerance, good color, large heads; poor head formation under warm conditions. Resistance: tolerant to corky root. Similar: Cowboy, Wrangler. Adaptation: coastal California. 1997.

Triton (HMX 7555)—Breeder: Philip Sarreal Vendor: Harris Moran Seed Co. Parentage: open pollinated. Characteristic: large size, excellent vigor, dark green, slightly savoyed. Similar: Green Towers. Adaptation: Coastal California, Desert, Southwest, Eastern U.S. 2001.

Tuscany (G x 825)—Breeder: John Purcell. Vendor: Seminis-Genecorp. Parentage: open pollinated. Characteristics: Green Romaine spring mix, dark color, slightly blistered leaves. Similar: Granada. Adaptation: western U.S. 2000.

Ultra Red (BOS 9019)—Breeder and vendor: Orsetti Seed Co. Parentage: open pollinated. Characteristics: bright red leaf; bottom side of leaf lighter green; green stem. Similar: Vulcan. Adaptation: widespread in North America. 1997.

Vitegra (29704)—Breeder and vendor: Enza Zaden. Parentage: open pollinated. Adaptation: North America. 1997.

Wallaby (EX 920027)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: coastal iceberg for warmer planting areas on the coast; medium frame, medium head Salinas type with medium green color; sowing dates for the Salinas Valley are May 1 to

July 30. Resistance: corky root. Similar: Magnum. Adaptation: Salinas Valley, California. 2002.

Weatherby (SSC 30529)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: bolting and corky root. Similar: Pam's Island Cos. Adaptation: All major lettuce growing regions. 2001.

Wildfire—Breeder and vendor: Johnny Selected Seeds. Parentage: open pollinated. Characteristics: Mix of several lettuce cultivars from several suppliers. 2000.

Winchester (SSC 30531)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Resistance: bolting. Similar: Pam's Island Cos. Adaptation: all major lettuce growing regions. 2001.

Wolverine (PS5084MI)—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: open pollinated. Characteristics: late winter harvested crisphead lettuce, develops a thick leaf texture, good color, excellent cell pack appearance. Adaptation: desert southwest U.S. 1998.

Xena (HMX 6552)—Breeder: Clause. Vendor: Harris Moran Seed Co. Parentage: open pollinated. Characteristics: green leaf large head; glossy green leaf. Resistance: tipburn, tolerance to bolting. Similar: Two Star. Adaptation: all loose leaf areas.

MELON

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American Sweet (25421)—Breeder: Eldon Heersink. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Similar: New Dragon. Adaptation: Caribbean, South America. 2000.

Apollo (RML 5292)—Breeder: Novartis Seeds. Vendor: Rupp Seeds. Parentage: F1 hybrid. Characteristics: cantaloupe; large fruit with good internal quality and excellent flavor. Resistance: fusarium wilt race 0, 1, 2; powdery mildew race 1, 2. Similar: Superstar. Adaptation: midwestern and northeastern U.S. 1998.

Azuro Gold (XP6109)—Breeder: David Dean. Vendor: Seminis-Asgrow Parentage: F1 hybrid. Characteristics: Canary type melon, excellent quality, medium, to large fruit, bright yellow in color. Similar: Doral. Adaptation: Central America. 2000.

Bartlett—Breeder and Vendor: W. Atlee Burpee and Co. 1999.

Brilliance—Breeder and Vendor: American Takii. Characteristics: honeydew; large fruit; good shipping quality.

Castillo (BOS 3001)—Breeder: Orsetti Seed Co. Vendor: Select Seed of Arizona. Parentage: F1 hybrid. Characteristics: strong vine with good cover; fruit are round, full-netted, and mature uniformly. Adaptation: San Joaquin Valley, Desert Areas. 1999.

Coup d' Orange (23324)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: orange flesh honeydew, strong plant, uniform fruit size, firm and sweet flesh, medium to large fruit. Resistance: fusarium wilt. Adaptation: Brazil. 1999.

Crystal Gal—Breeder and vendor: Pioneer.

Dewlicious (PS 8893)—Breeder: Jose Gomez. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: yellow rind honeydew for specialty market; large fruit size, green to white flesh, very sweet, good texture. Similar: no cultivar like it. Adaptation: North America, Australia. 1998.

Dream Gal—Breeder and vendor: Pioneer.

Early Crisp (001,319)—Breeder and vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: honeydew type with vigorous plant, good cover, round fruit, slightly oblate, good size, early maturity, firm flesh. Resistance: fusarium wilt race 2. Similar: Earli-Dew. Adaptation: wholesale; home garden. 1998.

Early Delight (PS 39094)—Breeder: Jose Gomez. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: early maturing cantaloupe; strong vine; large size fruit; improved quality, netting and sugar content over Primo. Resistance: powdery

mildew race 1. Similar: Primo. Adaptation: Texas, Arizona, California Imperial Valley. 1998.

Earlibrew (SME 5302)—Breeder and Vendor: Sakata Seed America. Characteristics: outstanding, early maturing, honeydew green flesh type with excellent size. Similar: no cultivar like it. Adaptation: U.S. melon areas. 1998.

Fantasma (HMS 4595)—Breeder: Bill Copes. Vendor: Harris Moran. Parentage: F1 hybrid. Characteristics: early maturity. Resistance: fusarium wilt races 0, 2; powdery mildew race 1. Similar: Morning Ice. Adaptation: California, Texas.

Gal—Breeder and vendor: Pioneer.

Gal On My Heart—Breeder and vendor: Pioneer.

Gallery (001 258)—Breeder: Dan Croker. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: 74–76 day maturity, 2.0–2.5 lb. fruit, sweet flesh, flavorful, light green, netted, round, productive vines, strong plant. Resistance: tolerance to powdery mildew. Similar: Galia. Adaptation: home garden. 1997.

Galomine—Breeder and vendor: Pioneer.

Gold Pride (PS20594)—Breeder: Jose Gomez. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: vigorous plant, good cover, high sugar content, productive, good storage life, good taste, good outside color, yellow melon. Similar: no cultivar like it. Adaptation: Brazil and home garden. 1997.

Gold Street (PS19894)—Breeder: Jose Gomez. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: yellow melon, vigorous plant, good cover, high sugar content, very productive, good taste. Similar: Goldmine. Adaptation: Brazil, home garden. 1997.

Gran Dew (Prod#0137)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: honeydew, main season, maturity, high fruit set, very smooth, size 6–8 lb. fruit, light seed cavity, no netting, round to oval. Resistance: Fa, F2, powdery mildew. Similar: Honeydew Greenflesh. Adaptation: Argentina. 1999.

Guerrero (SME 7122)—Breeder and vendor: Sakata Seed. Parentage: F1 hybrid. Characteristics: western shipper type cantaloupe. Adaptation: melon growing regions. 1999.

Hemadagon (PS 4913336)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed.

Herculis (KXPM-179)—Breeder: Krystyna Markiewicz-Ladd, Polonica International. Vendor: Champion Seed Co. Parentage: F1 hybrid. Characteristics: large, very well netted western-shipper cantaloupe; dark orange and firm flesh with high solids; produces very vigorous and dark green vines; excellent shipper; monoecious. Resistance: powdery mildew race 1; tolerance to race 2; fusarium race 2. Similar: Packstar, Primo. Adaptation: all areas where size is a problem (winter, late fall). 1996.

HM 5581 (HMX 5581)—Breeder: Bill Copes. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: monoecious, oval, sutured. Resistance: powdery mildew race 1. Adaptation: Australia, southeastern U.S.

HM 6593 (HMX 6593)—Breeder: Bill Copes. Vendor: Harris Moran Seed Co. Characteristics: very early maturity, northeastern adaptation, eastern type muskmelon. Resistance: fusarium wilt races 0, 2; powdery mildew. Similar: Rising Star. 1993.

Honey Bun—Breeder and vendor: W. Atlee Burpee and Co. Characteristics: cantaloupe.

Honey Chow (I37)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: honeydew, main-season, high fruit set, very smooth, tight seed cavity, oval size fruit, no netting, very smooth skin. Similar: Satunao. Adaptation: South Africa.

Honey Pac (XP6403)—Breeder: Meie Perets. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: oval/round, green flesh honeydew, small seed cavity, high brix, early maturity. Resistance: powdery mildew. Similar: Morning Ice. Adaptation: North America, Central America. 1999.

Honey Pearl—Breeder and vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. 1999.

Hybrid Persian (SSC 30204)—Breeder and vendor: Shamrock Seed Co. Parentage: F1 hybrid. Characteristics: Persian type melon

with an 80–85 day maturity; fruit is oval-round; slips at maturity. Resistance: sulfur tolerance. Similar: Persian. Adaptation: Arizona, California, Texas, southwest U.S. 1996.

Lexus (SSC 30244)—Breeder: Hollar Seed Co. Vendor: Shamrock Seed Co. Parentage: F1 hybrid. Resistance: Fusarium and powdery mildew. Similar: Ovation. Adaptation: all melon growing regions. 2000.

Lobo (KXPM-212)—Breeder: Krystyna Markiewicz-Ladd. Vendor: Polonica International. Parentage: F1 hybrid. Characteristics: round mid-size sutureless shipping type cantaloupe, dark green foliage, very good yield; small and tight seed cavity, high sugar and firm flesh. Resistance: powdery mildew race 1, tolerance race 2, fusarium wilt race 2. Similar: Gold Rush, Hymark. Adaptation: Mexico, Texas, California main season. 1997.

Magellan (PX6246)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: western shipper, round, ropey, sutureless, even netted; flesh is thick, crisp and bright orange. Similar: Mission. Adaptation: California, U.S. 1998.

Megabrew (SME 5304)—Breeder and vendor: Sakata Seed America. Parentage: F1 hybrid. Similar: Honeybrew. Adaptation: all melon areas. 1998.

Millennium (KXPM-356)—Breeder and vendor: Krystyna Markiewicz-Ladd (Polonica International). Parentage: F1 hybrid. Characteristics: large fruit, very smooth, small seed cavity; it produces very strong and vigorous vines; very good crown set; sweet with high solids. Resistance: fusarium wilt race 2 and powdery mildew race 1; tolerance to CMV and WMV. Similar: Morning Ice and Crème de Menthe. Adaptation: all honeydew areas where viruses are a problem and where size is needed.

Moonbeam (HMX 4607)—Breeder: Bill Copes. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Resistance: powdery mildew race 1, fusarium wilt race 2. Adaptation: California, Texas, Mexico.

My Gal—Breeder and vendor: Pioneer.

Nilo (PS 29595)—Breeder: Manuel Rosas. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: large fruited cantaloupe, early maturing, small seed cavity, strong plant with good net, excellent flavor and firmness. Similar: Capa de Oro. Adaptation: Ecuador, Mexico, U.S. 1999.

Odyssey (SXM 7119)—Breeder: Pat Crill. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: coarse netting, orange flesh, storage and shipping capabilities; uniform shape and good interior quality. Resistance: fusarium wilt Race 1 and powdery mildew. Similar: Athena. Adaptation: eastern U.S. 2000.

Orange Bowl (XPH6232)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: orange flesh honeydew, white rind, midseason maturity, strong vine, good size. Resistance: fusarium wilt race 2, powdery mildew. Similar: Temptation. Adaptation: U.S., California and Texas. 1998.

Orange County (23324)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: honeydew, orange flesh, uniform size, firm. Similar: Honeydew Orange Flesh. Adaptation: California.

Orange Delight (PS 16994)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: orange flesh honeydew, uniform size, firm, sweet flesh. Similar: Honeydew Orange Flesh. Adaptation: Central America, Mexico.

Orange Dew—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: mixed melon that produces oval-round fruit with orange flesh and a smooth, creamy white rind; flesh is aromatic and sweet; 85 day maturity. Resistance: fusarium; sulfur. 1995.

Orange Sherbet (PSR 16994)—Breeder: Seminis. Vendor: W. Atlee Burpee and Co. Parentage: F1 hybrid. Characteristics: round honeydew type melon with orange flesh color and a creamy white exterior; fruit weight 4–6 lb. Similar: Venus. Adaptation: U.S. 2000.

Progreso (KXPM-296)—Breeder: Krystyna Markiewicz-Ladd. Vendor: Polonica International. Parentage: F1 hybrid. Characteristics: mid-size western shipper, strong foliage and deep root system; excellent set, high yield; small seed cavity and firm flesh; good flavor, high sugar. Resistance: powdery mildew race 1, 2; fusarium wilt race 2. Similar: Mission. Adaptation: all melon areas. 1999.

Regal—Breeder and vendor: Pioneer.

Royal Dew (XP 6404)—Breeder: Meie Perets. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: oval to round green flesh honeydew, excellent brix. Similar: Moonshine. Adaptation: North America and Mexico. 1999.

San Isidro (001-564)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: honeydew, main season maturity, high fruit set, very smooth, sizes 6 to 8 range. Similar: Emerald. Adaptation: California, Australia, Central America. 1997.

San Juan (PS9194)—Breeder: Jose Gomez. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: honeydew with vigorous plant, good cover, round fruit, slightly oblate, very good size 3.5 to 5 kg, early maturity, firm flesh. Resistance: fusarium wilt race 2. Similar: Earli-dew. Adaptation: home garden. 1997.

Saturno (PS9794)—Breeder: Jose Gomez. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: honeydew with main season maturity, high fruit set, very smooth, sizes 6–8 range. Similar: Emerald. Adaptation: California, Australia and Central America. 1997.

Sol Dorado (RML 5432)—Breeder and vendor: Novartis Seeds. Parentage: F1 hybrid. Characteristics: high brix, high color and tight seed cavity for fall and spring plantings. Resistance: fusarium wilt race 0, 1; powdery mildew races 1, 2; sulfur tolerant. Similar: Gold Rush. Adaptation: desert southwest U.S. 1998.

Sol Real (RML 5462)—Breeder: Novartis Seeds. Vendor: Timothy Stewart and Lekos. Parentage: F1 hybrid. Characteristics: high sugar content, high color, tight seed cavity, main season cultivar. Resistance: fusarium wilt race 0, 2; powdery mildew race 1, 2; sulfur tolerant. Similar: Hymark. Adaptation: Central America and Central California, U.S. 1998.

Sorbet Swirl—Breeder and vendor: Johnny Selected Seeds. 2000.

Spanish Moon—Breeder and vendor: W. Atlee Burpee.

Sun Jewel—Breeder and vendor: Johnny Selected Seeds. 2000.

Sunny Gal—Breeder and vendor: Pioneer.

Super Dew (PS 18594)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: honeydew, green flesh, strong plant, large fruit, medium to large seed cavity. Similar: Santana. Adaptation: Canada, Chile, Brazil. 1999.

Sweet Barcelona—Breeder and vendor: W. Atlee Burpee and Co. 2000.

Sweet Keeper (PS94560(HV))—Breeder: Jose J. Gomez. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: Galia/Rochetta melon, crispy white flesh, round, uniform with uniform net, crispy flesh, good shelf life. Similar: no cultivar like it. Adaptation: Spain. 1998.

Sweet Tubby—Breeder and vendor: W. Atlee Burpee and Co. Parentage: F1 hybrid.

Sweetol Gal—Breeder and vendor: Pioneer.

Tendency (001,059)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds, Asgrow. Parentage: F1 hybrid. Characteristics: big fruit (17 × 10 cm), 2–2.5 kg; oblate, very productive, good cover. Similar: Piel de Sapo. Adaptation: South America. 1998.

Trooper (KXPM-179)—Breeder: Krystyna Markiewicz-Ladd. Vendor: Polonica International. Parentage: F1 hybrid. Characteristics: large fruit, sutureless with dark orange firm flesh; produces vigorous vines and root system; dark green foliage, high solid with very good flavor; small seed cavity, excellent crown set. Resistance: fusarium wilt race 2, powdery mildew race 1, tolerance to race 2. Similar: Primo, Impact. Adaptation: for organic growers where large size is needed or wanted. 1996.

Twilight (HMX 7580)—Breeder: Bill Copes. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: large size, early maturity, excellent vine vigor. Resistance: Sphaerotheca fuliginea (races 1, 2), Fusarium oxysporum (races 0, 1, 2). Similar: Morning Ice. Adaptation: South, Southwest, California. 2001.

Unforgettable (21601)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: extended shelf life,

honeydew melon, medium to large size, yellow smooth rind, white flesh. Similar: no cultivar like it. Adaptation: home garden. 2000.

Vanessa (SSC 101)—Breeder and vendor: Shamrock Seed Co. Parentage: F1 hybrid. Characteristics: a very prolific and uniform honeydew melon that produces good sized, oval-round fruit; impressively smooth, creamy-white rind; attractive light green flesh and a small seed cavity; relative maturity is 90 days. Similar: Verde. Adaptation: all melon production regions. 2001.

Vanilla Ice (RX 90463)—Breeder: Seminis. Vendor: W. Atlee Burpee and Co. Parentage: F1 hybrid. Characteristics: round melon with a green and white exterior when mature, pink flesh may have some netting and is greenish white changing to pink near center. Similar: So Sweet. Adaptation: wide. 2000.

Vienna (XP 6332)—Breeder and vendor: Seminis Vegetable Seed-Asgrow. Parentage: F1 hybrid. Characteristics: large, smooth netted, sutureless eastern shipper, round/oval, high yielding, good brix, good vine and holding ability. Similar: Athena. Adaptation: eastern U.S. 1998.

Yellow Star (134870)—Breeder and vendor: Seminis Vegetable Seed-Hungnong. Parentage: F1 hybrid. Characteristics: oriental melon, very crisp, sweet, good tasting, long, oval-shaped fruit. Similar: Gold Star. Adaptation: California, southeast U.S., Far East. 1999.

Zeus (PS 33595)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: western shipper, complete netting, strong vine, small seed cavity, oval/round fruit, large fruit, 2nd early maturity. Adaptation: all U.S. 1999.

MUSTARD

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Monteverde—Breeder and vendor: Enza Zaden. Parentage: open pollinated. Adaptation: North America. 1997.

OKRA

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Little Lucy (PS 38895)—Breeder: Jim Waltrip. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: dwarf red okra; ornamental, very attractive plant; 1998 AAS winner. Resistance: none noted. Adaptation: home garden; North America.

ONION

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Aranex (Granex 7092; PS 7092)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid. Resistance: pink root. Similar: Savannah Sweet, Granex 33. Adaptation: Georgia, Brazil, Chile, Caribbean. 1999.

Armory (XP 77008)—Breeder: Omar Diaz. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: second early, long day storage onion, 100 days, tall globe shaped, medium to dark skin. Resistance: fusarium. Similar: Barrage. Adaptation: Canada, Northeast U.S., Michigan, Wisconsin. 2001.

Baja Verde (PS 290311)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: bunching onion. Resistance: pink root. Similar: Rio Verde. Adaptation: Southern California, Mexico. 1999.

Barletta—Vendor: Vilmorin. 1952.

Bastille (XP 77004)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: second early storage onion approximately 100 days. Adaptation: northeast U.S. and Canada. 2000.

Big Burger—Breeder and vendor: W. Atlee Burpee and Co. 2000.

Big Daddy (163-540)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid. Resistance: Pink root. Similar: Vega. Adaptation: Oregon, Washington, Idaho.

Big Mama (163-176)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid. Resistance: Fusarium. Similar: Impact. Adaptation: Northeast U.S., Midwest U.S., Canada. 1998.

Bingo—Vendor: Stokes. 1988.

Brownkeep (XP 7519021)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: yellow globe shape, hard storage onion, medium dark brown scales, can be stored 4 to 6 months. Resistance: Fusarium basal rot. Similar: Australian Brown. Adaptation: New Zealand, Australia, South Africa. 2000.

Bunker (XP 77011)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: late storage onion, approximately 120 days. Similar: Crusader. Adaptation: New York, Michigan, Wisconsin. 2000.

Caballero (PS 10295)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid. Resistance: Pink root. Similar: Cimmaron. Adaptation: California, New Mexico, Colorado, Chile, Argentina, Spain, Turkey. 1998.

Cannonball (XP 15234)—Breeder: Omar Diaz. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: full season maturity, excellent quality and yield, tall globe shape with good holding ability; 2–3 days later than Santa Fe. Similar: Vanquero. Adaptation: northwest U.S., South Central California, Colorado. 2001.

Canterbury (XP 796724)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: yellow globe shaped onion with tightly adhering medium brown scales; can be stored for 4–6 months. Resistance: Fusarium basal rot. Similar: Creamgold. Adaptation: New Zealand, Australia, South Africa. 2000.

Centaur (XP 6712)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Resistance: Pink root. Similar: Granex 33. Adaptation: Southwest U.S.

Chateau (XPH 15039)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Similar: Norstar. Adaptation: NE U.S. and Eastern Canada.

Cirrus (XP 6798)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: early white hybrid; bolt resistant, superior white color. Resistance: pink root. Similar: Diamante. Adaptation: south Texas. 2000.

Cody (SSC 3359)—Breeder and vendor: Shamrock Seed Co., Inc. Parentage: F1 hybrid. Characteristics: a mid-early, yellow Sweet Spanish hybrid that is widely adapted; produces very firm, full globe shaped bulbs; high percentage of jumbos and collossals; good retention of its medium brown skins; adapted to overhead irrigation and mechanical harvest; excellent bolting tolerance and good PRT and FT; suited for domestic and processing (chopped, diced) markets; storage capacity of 80 days (Intermediate day type). Resistance: Pink root rot. Similar: Viceroy, Viper. Adaptation: intermediate day growing regions. 1998.

Cometa (SXO 1423)—Breeder: Rick Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: White Spanish hybrid, high globe bulb shape, high yielding, strong, heat tolerant foliage; excellent outer scales. Resistance: pink root and Fusarium. Similar: Blanco Duro. Adaptation: Spanish (Long Day) onion market. 2000.

Cyclone (PS 292)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid. Resistance: Pink root. Similar: Twister. Adaptation: southwest U.S.

Cyclops (XP 6995)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: early hybrid, Granex bulb shape. Resistance: pink root. Similar: G-33. Adaptation: Georgia. 2000.

Davenport (XP 796999)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: yellow globed shape, mid-day onion, dark golden scales, adapted for export, can be stored 4–6 months. Resistance: fusarium basal rot. Similar: Kiwi Gold. Adaptation: New Zealand, Australia, South Africa. 2000.

DeLance (SSC 0377)—Breeder and vendor: Shamrock. Parentage: F1 hybrid. Resistance: Pink root and Fusarium. Similar: Brown Beauty. Adaptation: intermediate day onions.

Doral (163-081)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid. Resistance: Pink root. Similar: Mercedes. Adaptation: Caribbean.

Eagle (T-406)—Breeder and vendor: Takii. Parentage: F1 hybrid. Similar: Voliant. Adaptation: long day.

Ebano (XP 6996)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: main season Grano hybrid moderately good bolt resistance, pungency below 4.0 pyruvate. Resistance: pink root. Adaptation: Mexico. 2001.

Excellency—Breeder and vendor: Rispens. Parentage: F1 hybrid. Resistance: Pink root. Similar: Bravo, Seville. Adaptation: western U.S.

Exporter 2—Breeder and vendor: Stokes. 1988.

Fallera (SXO 1550)—Breeder: Roy Kreizenbeck. Vendor: Sunseeds. Parentage: open pollinated. Characteristics: golden brown skin color, large bulb size, flattened globe shape, medium earliness, medium pungency, approximate days to maturity 160–170. Resistance: medium tolerance to Fusarium and fair tolerance to pink root. 2001.

Flagship (XPH 15038)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Similar: Paragon. Adaptation: NE U.S. and Eastern Canada.

Flamenco (Sunex 1433)—Breeder and vendor: Sunseeds. Parentage: F1 hybrid. Similar: Tango. Adaptation: Long day.

Flare (PS 81892)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid.

Franklin (XP6809)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: yellow hard storage onion, globe shape, golden brown scales, can be stored 4–6 months. Resistance: Fusarium, basal rot. Similar: Cream Gold. Adaptation: New Zealand, Australia, South Africa. 2000.

Frosty (CGX/DPS x2006)—Breeder: Jason Wiederhold. Vendor: Eclipse Industries, Inc. Parentage: F1 hybrid. Characteristics: uniform, Pearl White bulb. Resistance: pink root. Similar: Blanco Doro. Adaptation: Spanish long day areas. 1999.

Georgia Pride (SSC 6389)—Breeder and vendor: Shamrock. Parentage: open pollinated. Similar: Sugar Queen. Adaptation: Georgia.

Granero (SXO 1428)—Breeder: Rick Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: glossy, heat tolerant foliage, large, hard fleshed blocky globe shaped bulbs; dry outer scales are dark mahogany brown in color. Resistance: pink root. Similar: Yellow Sweet Spanish. Adaptation: Sweet Spanish growing areas. 2000.

Green Banner (PS 290011)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid. Resistance: Pink root. Similar: Southport 404. Adaptation: southwest U.S. and Mexico.

Infinity (SXO 1422)—Breeder: Rick Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: northern storage-type hybrid that produces very high yields of uniform globe shaped bulbs with bright yellowish-brown scales of medium thickness; firm, pungent flesh. Resistance: pink root, Fusarium. Adaptation: New York, Michigan, Wisconsin, Quebec, Ontario, Washington, Colorado. 2001.

King Brown (XP 796813)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: brown globe hard storage, mid-day, can be stored 4–6 months, vigorous root system which is good for hot dry conditions. Resistance: fusarium basal rot. Similar: Australian Brown. Adaptation: Australia, New Zealand, South Africa. 2000.

Kingfisher (XP 15120)—Breeder: Omar Diaz. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: Spanish storage, 117–120 days, high globe shape, medium to dark skin. Resistance: Fusarium, pink root. Similar: Sabroso. Adaptation: Pacific northwest, south central U.S. 2001.

Latin Lover (PS 10195)—Breeder: Seminis Vegetable Seeds. Vendor: W. Atlee Burpee Co. Parentage: F1 hybrid. Characteristics: early maturity; midday type; large yellow bulb, earlier than Sweet and Early. Adaptation: U.S. 2001.

Lord Howe Island—Characteristics: introduced from Australia.

Madero (SO 1420)—Breeder: Rick Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: intermediate type yellow, produces large sized globe to somewhat top-shaped bulbs; high percentage of single centered bulbs when well grown. Resistance: pink root. Similar: Cimerron. Adaptation: intermediate and Sweet Spanish onion growing areas. 2000.

Marathon (HMX 2621)—Breeder and vendor: Harris Moran. 1989.

Millennium (SXO 1434)—Breeder: R. Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Resistance: Pink root and Fusarium. Similar: Paragon. Adaptation: long day. 1997.

Mira (XP 15040)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Resistance: Pink root and Fusarium. Similar: Bullreg XXX. Adaptation: Idaho, Colorado, Washington, Utah.

Montana (XP 8417)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Similar: Criola. Adaptation: southern Brazil.

Nora Fronteira (XP 6803)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: medium yellow, globe shaped, medium size, waxy foliage, pungent, not for jumbo production. Similar: Serrano. Adaptation: Brazil. 2000.

Northern Oak—Breeder and vendor: Stokes. 1988.

Outrigger (XP 15067)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Similar: Brown Baron. Adaptation: F1 hybrid U.S.

Precedent (SXO 1460)—Breeder: R. Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Similar: Norstar. Adaptation: long day. 1997.

Quantum Tioga (PS 663395)—Breeder: R. Maxwell. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Adaptation: long day. 1996.

RAM-735—Breeder: H. Rabinowitch and A. Harazy. Vendor: Hazera. Parentage: F1 hybrid.

RAM-763—Breeder: H. Rabinowitch and A. Harazy. Vendor: Hazera. Parentage: F1 hybrid.

RAM-781—Breeder: H. Rabinowitch and A. Harazy. Vendor: Hazera. Parentage: F1 hybrid.

Rampart (XP 77015)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: midseason storage minimum, approximately 110 days. Similar: Fortress. Adaptation: Quebec, Ontario, New York, Michigan, Wisconsin. 2000

Ranchero (SXO 1430)—Breeder: Rick Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: yellow Spanish type, very large bulb size, high percentage of single-centered bulbs. Resistance: high tolerance to pink root and fusarium basal rot. Similar: Yellow Spanish Sweet. Adaptation: Sweet Spanish growing areas. 2000.

Red Caribe (113-203)—Breeder and vendor: Seminis-Petoseed. Parentage: open pollinated. Similar: Red Creole. Adaptation: Central America.

Red Rider—Breeder and vendor: Rispem Seeds, Inc. Parentage: F1 hybrid. Characteristics: extraordinary dark with dark red exterior and interior color. Resistance: pink root. Similar: Red Wing. Adaptation: northwest and midwest U.S. 2000.

Red Zeppelin (XP 15300)—Breeder: Omar Diaz. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: deep red color, Tango maturity, uniform globe to tall globe shape, large size with long storage potential midseason maturity. Adaptation: northeast U.S. 2000.

Redbird (4414)—Breeder: Robert L. Jones. Vendor: Ag Chem Services. Parentage: F1 hybrid. Adaptation: south Texas, northern Mexico.

Redkeep (XP 7519022)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: red globe shape, hard storage onion, can be stored 4–6 months, dark red scales. Resistance: fusarium basal rot. Similar: Tango. Adaptation: New Zealand, Australia, South Africa. 2000.

Reina Roja (4416)—Breeder: Robert L. Jones. Vendor: Ag Chem Services. Parentage: F1 hybrid. Adaptation: south Texas and northern Mexico.

Revere (XPH 92376)—Breeder and vendor: Crookham. Parentage: (PG-1xXP53-350)x Crookham inbred. Resistance: Pink root. Similar: Sweet Perfection. Adaptation: northwest U.S.

Ricochet (XP 77022)—Breeder: Omar Diaz. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: early, non-storage, approximately 90 days, globe shaped. Resistance: Fusarium basal rot,

pink root. Similar: Norstar. Adaptation: Canada, New York, Michigan, Wisconsin. 2001.

Rosada Milenio (SXO 1530)—Breeder and vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: pink hybrid short-day onion, flattened globe shape, medium size, pungent, late cultivar, thick scales. Resistance: pink root and fusarium. Adaptation: South American market. 2000.

Rumba (SXO 1462)—Breeder: R. Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Resistance: Pink root. Similar: Alabaster. Adaptation: intermediate day. 1996.

Russet—Breeder and vendor: Stokes. 1988.

Sabroso (SXO 1440)—Breeder: R. Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Resistance: Pink root and Fusarium. Similar: Valiant. Adaptation: long day. 1996.

Samba (SXO 1433)—Breeder: R. Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Similar: Tango. Adaptation: long day. 1996.

Santa Fe (XP 15225)—Breeder: Omar Diaz. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: full season, dark skin, bolt tolerant, globe shaped, high percentage single centers. Resistance: fusarium basal rot, pink root. Similar: Vaquero. Adaptation: Pacific northwest, south-central California, Colorado. 2002.

Sierra Blanca (PS 25294)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid. Resistance: Pink root. Similar: Aspen. Adaptation: Texas, Colorado, Mexico.

Silverstone (SXO 1457)—Breeder: Rick Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: long day, northern type, hybrid, white globe shape, bright white outer scales, firm and pungent flesh, excellent storage abilities. Resistance: pink root. Similar: Blanco Duro. Adaptation: Italy; long day onion market. 2000.

Snowbaby—Breeder and vendor: Johnny's.

Spectrum (SXO 1461)—Breeder: R. Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Similar: Marvel. Adaptation: long day. 1997.

Spinnaker (XP 15043)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Resistance: Pink root and Fusarium. Similar: Valiant. Adaptation: northwest U.S. and Italy.

Stockade (XP 77012)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: mid-late storage onion, 115 days maturity. Similar: Duration. Adaptation: New York, Michigan, Wisconsin. 2000.

Stratus (XP 6800)—Breeder: Omar Diaz. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: main season, white single centered, globe shaped, bolt resistant. Similar: Diamante. Adaptation: Mexico, Texas, Central America. 2001.

Sugar Belle (SSC 6371)—Breeder and vendor: Shamrock Seed Co. Parentage: F1 hybrid. Resistance: Bolting. Similar: Granex 33. Adaptation: all short onion growing regions. 1999.

Suntan—Breeder and vendor: Bejo. 1989.

Super Chief (XP 77031)—Breeder: Omar Diaz. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: full season true Spanish onion, 120 days, stores well, single centers, globe shaped, excellent dark skin. Similar: Vision. Adaptation: Pacific northwest, California, Colorado. 2001.

Super Staf (25294)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid. Resistance: Pink root. Similar: Aspen, Alabaster.

Sweet and Early—Breeder and vendor: Burpee. Characteristics: mid day hybrid.

Sweet Melissa (SX 15190N)—Breeder: Felix Serquen. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: high yielding yellow Granex hybrid, high percentage jumbo sizes, mild flavor. Resistance: pink root. Similar: Yellow Granex. Adaptation: Granex market areas. 2000.

Tamarack 2—Breeder and vendor: Stokes. 1988.

Terlingua (XP 6786)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Resistance: Pink root. Similar: Linda Vista. Adaptation: Texas, Mexico, California.

Tioga (PS 663395)—Breeder: Omar Diaz. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: early yellow Spanish, 115–120 days to maturity, globe shaped long storage. Resistance: fusarium basal rot, pink root. Similar: Teton. Adaptation: Pacific northwest, Colorado, Utah, Northern California. 2000.

Torero (SXO 1436)—Breeder: R. Watson. Vendor: Sunseeds. Parentage: F1 hybrid. Resistance: Pink root and Fusarium. Similar: Vaquero. Adaptation: Sweet Spanish growing regions. 1998.

Tradewind (XPH 15042)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Resistance: Pink root and Fusarium. Similar: Teton. Adaptation: northwest U.S., Utah, Colorado.

Twister (PS 492)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid. Similar: Granex. Adaptation: Arizona, California.

Uniglobe 100—Breeder: R. Maxwell. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Adaptation: Long-day. 1997.

Uniglobe 108—Breeder: R. Maxwell. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Adaptation: Long-day. 1996.

Uniglobe 118—Breeder: R. Maxwell. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Adaptation: northwest U.S. 1996.

Vantage (PS 67691)—Breeder and vendor: Seminis-Petoseed. Parentage: F1 hybrid. Resistance: Pink root. Similar: Candy, Teton. Adaptation: northwest U.S., California, Colorado, Utah.

Waikato (XP 6808)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: yellow hard storage, golden brown scales, globe shaped, can be stored 4–6 months. Resistance: fusarium basal rot. Similar: Creamgold. Adaptation: New Zealand, Australia, South Africa, Colorado. 2000.

Wolf (T-383)—Breeder and vendor: Takii. Parentage: F1 hybrid. Similar: Eskimo.

Zorro (XPH 97329)—Breeder and vendor: Crookham. Parentage: P-USS x Crookham inbred. Resistance: Pink root. Similar: Celebrity. Adaptation: northwest U.S.

PEA—GREEN

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6060 Freezer—Breeder and vendor: Cannors Seed Corp. PVP 7600016.

7025 Early Sweet—Breeder and vendor: Cannors Seed Corp. PVP 7600013.

8221 Early Perfection—Breeder and vendor: Cannors Seed Corp. PVP 7500104.

8615 Early Perfection—Breeder and vendor: Cannors Seed Corp. PVP 8000064 (withdrawn 12/95).

8617 Early Perfection—Breeder and vendor: Cannors Seed Corp. PVP 7500090.

9000 Freezer—Breeder and vendor: Nunza B.V. PVP 8700051.

9021 Early Perfection—Breeder and vendor: Cannors Seed Corp. PVP 8000065 (withdrawn).

9888 Freezer—Breeder and vendor: Nunhems Zaden B.V. PVP 7800059.

9889 Freezer—Breeder and vendor: Cannors Seed Corp. PVP 7800060 (withdrawn).

9901 Canner—Breeder and vendor: Cannors Seed Corp. PVP 7800061 (withdrawn).

Abador—Breeder and vendor: Seminis Vegetable Seeds. PVP 7400085.

Aladdin—Breeder and vendor: Novartis Seeds, Inc. PVP 9400011.

Almota—Breeder and vendor: A.G. Gustafson, Seedsman. PVP 7500038.

Alpha I—Breeder and vendor: Wilbur-Ellis Co. PVP 7900120.

Alsweet II—Breeder and vendor: Morrison Brothers Seed Co. PVP 7200067.

Antigo—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 9500024.

Applause—Breeder and vendor: Nunza B.V. PVP 8900230.

Aries—Breeder and vendor: Morrison Brothers Seed Co. PVP 7300030.

Aska—Breeder and vendor: Seminis Vegetable Seeds. PVP 7500077.

Athena—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 9000015.

- Ava**—Breeder and vendor: Nunza B.V. PVP 8900222.
- Avon**—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 7800036.
- Badger**—Breeder and vendor: Novartis Seeds, Inc. PVP 8100107.
- Balmoral**—Breeder and vendor: Sharpes International Seeds Ltd. PVP 9800311.
- Banff**—Breeder and vendor: Pure Line Seeds, Inc. PVP 7700022.
- Beagle**—Breeder and vendor: Hurst, Gunson, Cooper, Taber, U.K. PVP 7100070 (ineligible).
- Bellroy**—Breeder and vendor: A.G. Gustafson, Seedsman. PVP 8000157.
- Bingo**—Breeder and vendor: Novartis Seeds, Inc. PVP 9800377.
- Blizzard**—Breeder and vendor: Novartis Seeds, Inc. PVP 8700022.
- Bold**—Breeder and vendor: Pure Line Seeds, Inc. PVP 8500043.
- Bonito**—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 8300176.
- Bonnaire**—Breeder and vendor: Seminis Vegetable Seeds. PVP 8200013.
- Boomer**—Breeder and vendor: Nunhems Seed Corp. PVP 8900223.
- Booster**—Breeder and vendor: Nunhems Seed Corp. PVP 8900224.
- Bounty**—Breeder and vendor: Novartis Seeds, Inc. PVP 8500192.
- Brule**—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 9800054.
- Bush Snapper**—Breeder and vendor: Burpee. Characteristics: short vine, large pods, early, stringy. Resistance: powdery mildew.
- Caselode**—Breeder and vendor: W. Brotherton Seed Co., Inc. PVP 9600040.
- Charo—Breeder and vendor: A.G. Gustafson, Seedsman. PVP 7900116.
- Classicgreen**—Breeder and vendor: Novartis Seeds, Inc. PVP 9400006.
- Colworth Swan**—Breeder and vendor: Unilever, Ltd., U.K. PVP 7200053.
- Conner**—Breeder and vendor: A.G. Gustafson, Seedsman. PVP 7500039.
- Conway**—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 7400020.
- Crystal**—Breeder and vendor: Crites-Moscow Growers. Characteristics: Afila type, stringless. Resistance: powdery mildew. PVP 9600126 (abandoned 11/97). 1996.
- Dane**—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 7500068.
- Darien**—Breeder and vendor: Seminis Vegetable Seeds. PVP 9600127.
- Daybreak**—Breeder and vendor: Novartis Seeds, Inc. PVP 8600054.
- Dignity**—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 8900296.
- Durango (XP 374)**—Breeder: Jim McIntosh. Vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: powdery mildew resistant version of Bolero; dark green, large wrinkled. Resistance: fusarium wilt, powdery mildew. Similar: Bolero, Quad, Genie, Encore. Adaptation: eastern Washington, midwestern U.S., east coast U.S., Spain, Italy, Eastern Europe. 2000.
- Early Freezer 680**—Breeder and vendor: Novartis Seeds, Inc. PVP 8100109.
- Early Sweet 9**—Breeder and vendor: Novartis Seeds, Inc. PVP 8100110.
- Early Sweet 41**—Breeder and vendor: Pure Line Seeds, Inc. PVP 8500042.
- Early Sweet 414 (XP 8504148)**—Breeder: Tom McBride. Vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: second early, normal foliage, large sieve freezer with high yield, no splitting of berries. Similar: EF 680. Adaptation: northeastern, mid-Atlantic U.S. and Canada. 2001.
- Eclipse (Ex 8500017)**—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: late maturity, medium sieve, normal foliage, starchless, short erect plants. Resistance: Fusarium. Similar: Marlis. Adaptation: worldwide. PVP 9800121.
- Edison**—Breeder and vendor: A.G. Gustafson, Seedsman. PVP 7500037.
- Ego**—Breeder and vendor: Novartis Seeds, Inc. PVP 8500190.
- Estancia (XP 384)**—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: full season, medium sieve, afila type with blue foliage, freezer pea, sieve between Tacoma and Kalamo. Resistance: bean leaf roll, fusarium. Similar: Tacoma, Kalamo. Adaptation: North America and Northern Europe. PVP 9900272.
- Everett**—Breeder and vendor: Novartis Seeds, Inc. PVP 8800106.
- Faro**—Breeder and vendor: Seminis Vegetable Seeds. PVP 7700070.
- Finesse**—Breeder and vendor: Pure Line Seeds, Inc. PVP 9600146.
- Frisky**—Breeder and vendor: Seminis Vegetable Seeds. PVP 7700009.
- Frolic**—Breeder and vendor: Novartis Seeds, Inc. PVP 8700148.
- Galasweet**—Breeder and vendor: Novartis Seeds, Inc. PVP 8500191.
- Gallant**—Breeder and vendor: Novartis Seeds, Inc. PVP 20000053.
- Garden Sweet**—Breeder and vendor: W. Atlee Burpee and Co. 2000.
- Genie**—Breeder and vendor: Novartis Seeds, Inc. PVP 8800089.
- Genry**—Breeder and vendor: Stubbs Seed Services, Inc. PVP 7200141.
- Goliath (XP 8500527)**—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: tall snow pea, pods have long shelf life, high yields, good pod color retention. Resistance: powdery mildew. Similar: Mammoth Melting. Adaptation: Worldwide.
- Granada**—Breeder and vendor: A.G. Gustafson, Seedsman. PVP 7800017.
- Grant**—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 7800039.
- Green Sugar**—Breeder and vendor: Western Valley Seed Co. PVP 7500045.
- Gypsy**—Breeder and vendor: A.G. Gustafson, Seedsman. PVP 7700011.
- HP071-2-5**—Breeder and vendor: Novartis Seeds, Inc. PVP 9500017.
- HP904-1204 FP2070**—Breeder and vendor: Novartis Seeds, Inc. PVP 9900430.
- HP1203-9-5**—Breeder and vendor: Novartis Seeds, Inc. PVP 9800252.
- HP1475-1-4-1**—Breeder and vendor: Novartis Seeds, Inc. PVP 20000023.
- HP1860-2-1**—Breeder and vendor: Novartis Seeds, Inc. PVP 20000024.
- Hurst Canice**—Breeder and vendor: Hurst, Gunson, Cooper, Taber, U.K. PVP 7200104 (ineligible).
- Hustler**—Breeder and vendor: Western Valley Seed Co. PVP 7400029.
- Jessy**—Breeder and vendor: W. Brotherton Seed Co. Characteristics: determinate vine, main season maturity, stringless. 2001.
- Karl-Evert**—Breeder and vendor: NESTEC S.A. PVP 9000199 (8/31/94).
- Kicker (23152)**—Breeder: Rene Beussen. Vendor: Seminis-Royal Sluis. Parentage: open pollinated. Characteristics: snow pea, dark green pods 4.5" long, 1" wide, pod has sweet tender texture, excellent for fresh market. Similar: Mammoth Melting. Adaptation: California. 2000.
- Kodiak**—Breeder and vendor: Pure Line Seeds, Inc. PVP 7700023 (6/7/94).
- Kosta**—Breeder and vendor: A.G. Gustafson, Seedsman. PVP 7900049 (7/26/96).
- Lance**—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 7900011 (3/29/96).
- Leah**—Breeder and vendor: Seminis Vegetable Seeds. PVP 8500133 (2/28/86).
- Legacy**—Breeder and vendor: Pure Line Seeds, Inc. PVP 9600147.
- Lehi**—Breeder and vendor: General Foods Corp. PVP 7600030 (5/9/94).
- Leo**—Breeder and vendor: Morrison Brothers Seed Co. PVP 7400053 (11/20/91).

- Lil Mo (XP 368)**—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: European plant type, small leaves, strong stem, good standability, early relative maturity, small sieve size. Resistance: Fusarium wilt race 1 and 2. Similar: Sancho, Dusty, Span. Adaptation: North America. PVP 9900162.
- Marico**—Breeder and vendor: Hurst, Gunson, Cooper, Taber, U.K. PVP 7100108 (withdrawn).
- MC-201**—Breeder and vendor: L.D. Maffei Seed Co. PVP 8500097.
- Mega**—Breeder and vendor: Crites-Moscow Growers. Characteristics: medium vine, large pods, late maturity, stringy. Resistance: PEV. 1994.
- Menlo**—Breeder and vendor: W. Brotherton Seed Co. PVP 8700099.
- Methow**—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 9500021.
- MF-502**—Breeder and vendor: L.D. Maffei Seed Co. PVP 8500087.
- Misty**—Breeder and vendor: Pure Line Seeds, Inc. PVP 8400031.
- Mr. Big (XP 356)**—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: indeterminate vine 28", pointed pods 4.0–7.5" long, 8–10 berries/pod, 58 day maturity, usually 22 pods per node. Resistance: fusarium wilt race 1, "er" powdery mildew. Similar: Progress #9. Adaptation: home garden, U.S. PVP 9900161.
- Multistar**—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 7900054 (ineligible).
- Nitro (XP 317)**—Breeder: Jim McIntosh. Vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: midseason, normal foliage, small size, short determinate plant, earlier than Dinos, more determinate plant. Resistance: bean yellow mosaic, fusarium wilt. Similar: Dinos. Adaptation: Canada. PVP 9900168. 2000.
- Nordic**—Breeder and vendor: Novartis Seeds, Inc. PVP 8900107 7/31/91.
- Orcas**—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 8100047.
- Oregon Pioneer (OSU 700)**—Breeder: J.R. Baggett. Vendor: Oregon State University. Parentage: Eureka // PI 140295 / Wando /3/ Small Sieve Freezer /4/ Early Frosty /3/ PI 140295 / Wando // P601. Characteristics: long, straight, shelling-type pods on short, perfection-type plant; plant height 45–60 cm; pods 8.0–8.5 cm long with 8–9 seeds per pod; mild, sweet, non-bitter flavor. Resistance: PEMV (En) gene; field resistance to RCVMV. Adaptation: Pacific Northwest and areas where PEMV is present. 1992.
- Paso**—Breeder and vendor: Seminis Vegetable Seeds. PVP 9900147.
- Passport**—Breeder and vendor: Novartis Seeds, Inc. PVP 9400005.
- Patio Wonder (87015)**—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: open pollinated. Characteristics: early, small sieve, exceptional yield. Resistance: AB, bean yellow mosaic, fusarium wilt. Similar: Citadel. Adaptation: wholesale and home garden U.S. 2000.
- Perfect 57 (XP 8500577)**—Breeder: Jim McIntosh. Vendor: Seminis-Asgrow. Parentage: open pollinated. Characteristics: late, large sieve processor, dark green berry, afila foliage. Resistance: fusarium wilt, powdery mildew. Similar: Genie. Adaptation: Pacific northwest, eastern Washington U.S. 2001.
- Prairie**—Breeder and vendor: Nunhems Seed Corp. PVP 8900225 (withdrawn).
- Pretty**—Breeder and vendor: Burpee. Characteristics: purple podded snow pea; 65 days; 6–7 peas per pod, fragrant flowers.
- Prism**—Breeder and vendor: Seminis Vegetable Seeds. PVP 9700032.
- Prospector**—Breeder and vendor: A.G. Gustafson, Seedsman. PVP 7500040.
- Proto IV**—Breeder and vendor: Wilbur-Ellis Co. PVP 8000001.
- Puncher (RS 8500647)**—Breeder: Rene Beussen. Vendor: Seminis-Royal Sluis. Parentage: open pollinated. Characteristics: snow pea with slightly darker pod, strong plant, good yield. Similar: Mammoth Melting. Adaptation: California and Guatemala. 2000.
- Quad**—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 9100016.
- Quest**—Breeder and vendor: Novartis Seeds, Inc. PVP 8800088 (7/31/90).
- Quincy**—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 7800037.
- Rebel**—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 7700047.
- Reco**—Breeder and vendor: NESTEC S.A. PVP 8900106.
- Recruit**—Breeder and vendor: Pure Line Seeds, Inc. PVP 9900269.
- Regal 36**—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 8000003.
- Reva**—Breeder and vendor: Seminis Vegetable Seeds. PVP 7700071.
- Ripon**—Breeder and vendor: Novartis Seeds, Inc. PVP 9800170.
- Sagittarius**—Breeder and vendor: Morrison Brothers Seed Co. PVP 7600026.
- Samish**—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 9500023.
- Sancho**—Breeder and vendor: Sharpes International Seeds Ltd. PVP 9500086.
- Scamp**—Breeder and vendor: Pure Line Seeds, Inc. PVP 8900066.
- Sentry**—Breeder and vendor: Pure Line Seeds, Inc. PVP 8900067.
- Sirod**—Breeder and vendor: Gallatin Valley Seed Co. PVP 7300019 (withdrawn).
- Small Sieve Alsweet**—Breeder and vendor: Morrison Brothers Seed Co. PVP 7300008.
- Snake**—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 9400066.
- Snapie**—Breeder and vendor: W.H. Perron. Characteristics: short vine, medium pods, midseason maturity, stringy.
- Snappy**—Breeder and vendor: W. Atlee Burpee Seed Co. Characteristics: tall vine, large pods, stringy. Resistance: powdery mildew. PVP 8500128. 1986.
- Snow Princess**—Breeder and vendor: Burpee. Characteristics: stringless snow pea.
- SP6**—Breeder and vendor: Novartis Seeds, Inc. PVP 9600264.
- SP18**—Breeder and vendor: Novartis Seeds, Inc. PVP 9600263.
- SP145-1-1**—Breeder and vendor: Novartis/Gallatin Valley. Characteristics: medium vine, large pods, late maturity, stringy. Resistance: powdery mildew, tolerance to BLRV. 1983.
- SP363-1-1-5-1**—Breeder and vendor: Novartis Seeds, Inc. PVP 9400054.
- SP496-1-2-3**—Breeder and vendor: Novartis Seeds, Inc. PVP 9700412.
- SP496-2-2**—Breeder and vendor: Novartis Seeds, Inc. Characteristics: short vine, medium pods, full-season maturity, stringless. Resistance: powdery mildew. PVP 9900214. 1998.
- SP704-3-8**—Breeder and vendor: Novartis Seeds, Inc. PVP 9400056.
- SP847-2 EP9009**—Breeder and vendor: Novartis Seeds, Inc. PVP 9900429.
- SP895-3-1**—Breeder and vendor: Novartis Seeds, Inc. Characteristics: Afila type, medium vine, medium pods, late-season maturity, stringless. Resistance: powdery mildew. PVP 9900406. 1998.
- Span**—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 8300177.
- Spirit**—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 7605008.
- Springgreen**—Breeder and vendor: Novartis Seeds, Inc. PVP 9500016.
- Stringless Sugar Snap (SP110-24)**—Breeder and vendor: Novartis/Gallatin Valley. Characteristics: short vine, medium pods, late maturity, first cultivar used for processing, stringless. Resistance: powdery mildew, tolerance to BLRV. PVP 8300164. 1984.
- Sugar Ann**—Breeder and vendor: Novartis/Gallatin Valley. Characteristics: short vine, small pods, early maturity, stringy. PVP 8100111. 1981.
- Sugar Bon**—Breeder and vendor: Novartis/Gallatin Valley. Characteristics: short vine, early maturity, small pods, stringy. Resistance: powdery mildew, fusarium wilt race 1. PVP 8100122. 1981.
- Sugar Boys (SP173B-3-I)**—Breeder and vendor: Novartis Seeds Inc. Characteristics: short vine, medium small pods, midseason maturity, stringless. Resistance: powdery mildew, fusarium wilt race 1, tolerance to PEV, BLRV. 1991.
- Sugar Daddy (SP110-1-2; Sugar Gem in Europe)**—Breeder and

vendor: Novartis/Gallatin Valley. Characteristics: medium vine, medium size pods, full season maturity, stringless. Resistance: powdery mildew, tolerance to BLRV. 1984.

Sugar Gem—see Sugar Daddy.

Sugar King (SP895-4-2-1)—Breeder and vendor: Novartis Seeds, Inc. Characteristics: Afila type, short vine, medium pods, stringless, late maturity. Resistance: powdery mildew. PVP 9900187. 1998.

Sugar Lace (SP550-1-1-3)—Breeder and vendor: Novartis Seeds, Inc. Characteristics: Afila type, short vine, medium pods, late maturity, stringless. Resistance: powdery mildew, BLRV. PVP 9700414. 1996.

Sugar Lady (SP496-1-2-3)—Breeder and vendor: Novartis Seeds, Inc. Characteristics: Afila type, short vine, medium pods, full season maturity, stringless. Resistance: powdery mildew. 1996.

Sugar Mel—Breeder and vendor: Novartis/Gallatin Valley. Characteristics: short vine, medium size pod, midseason maturity, stringy. Resistance: powdery mildew. PVP 8100112 (12/30/82). 1981.

Sugar Pearl (SP363-1-1-5-1)—Breeder and vendor: Novartis Seeds, Inc. Characteristics: short vined, afila type, medium small pods, midseason maturity, stringless. Resistance: powdery mildew, fusarium wilt race 1, tolerance to BLRV. 1996.

Sugar Pop (SP109-4-8-1)—Breeder and vendor: Novartis/Gallatin Valley. Characteristics: short vine, small pods, early maturity, not heat tolerant, stringless. Resistance: powdery mildew, BLRV. PVP 8700148 (4/30/88). 1987.

Sugar Prince (SP856-6-5-3)—Breeder and vendor: Novartis Seeds, Inc. Characteristics: short vine, medium pods, midseason maturity, stringless. Resistance: powdery mildew. PVP 9900216. 1998.

Sugar Rae—Breeder and vendor: Novartis/Gallatin Valley. Characteristics: short many branched vines, medium size pods, late maturity, stringy. Resistance: powdery mildew. PVP 8100123 (3/24/83). 1981.

Sugar Snap—Breeder and vendor: Novartis/Gallatin Valley. Characteristics: tall vine, medium pod, late maturity, excellent flavor; stringy. Resistance: fusarium wilt race 1. PVP 7600061 (4/10/94). 1979.

Sugar Snow—Breeder and vendor: Burpee. Characteristics: sweet and completely stringless snow pea; plants are 32" high and produce huge amounts of 4" pods; winter crop in Zones 9–11.

Sugar Sprint (SP704-3-8-3-1-4-1)—Breeder and vendor: Novartis Seeds, Inc. Characteristics: short vine, medium pods, early-midseason maturity, stringless. Resistance: powdery mildew. PVP 9900211. 1998.

Sugar Star (SP110-1-2-7-2)—Breeder and vendor: Novartis Seeds, Inc. Characteristics: medium vine, medium small pods, midseason maturity, stringless. Resistance: powdery mildew, fusarium wilt race 1, tolerance to BLRV. PVP 9400055. 1996.

Sugar Stick—Breeder and vendor: Deer Seed Co. Characteristics: long, curved pods; stringy. 1935.

Sugar Sweet (SP704-3-8-1)—Breeder and vendor: Novartis Seeds, Inc. Characteristics: short vine, medium pods, full season maturity, stringless. Resistance: powdery mildew. 1996.

Summit—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 8000002.

Sun Burst—Breeder and vendor: Pure Line Seeds, Inc. PVP 8900068.

Sunfire—Breeder and vendor: Pure Line Seeds, Inc. PVP 8500041.

Sunrise—Breeder and vendor: Novartis Seeds, Inc. PVP 9500018.

Sun-Up—Breeder and vendor: Pure Line Seeds, Inc. PVP 8900065.

Super Snappy—Breeder and vendor: W. Atlee Burpee Seed Co. Characteristics: medium vine, very large pods, midseason maturity, stringy. Resistance: powdery mildew. 1993.

Super Sugar Mel—Breeder and vendor: Novartis Seeds, Inc. PVP 8300165.

Sussex—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 7800038.

Sweet Princess—Breeder and vendor: Burpee. Characteristics: stringless snow pea.

Sweet Royal—Breeder and vendor: Burpee.

Sweet Snap—Breeder and vendor: Musser Seed Co. Parentage:

selection from Round Podded Sugar. Characteristics: medium tall vine, small pods, early maturity, round yellow seed, stringy. Resistance: powdery mildew, BYMV. 1982.

Swinger—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 7500044.

Tahoe—Breeder and vendor: Pure Line Seeds, Inc. PVP 7900099.

Tarma (126266)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: long pod, slightly curved, indeterminate vine, few branches, hairy foliage, 8–10 berries per pod, 58 days. Resistance: fusarium wilt race 1, "er" powdery mildew. Similar: Ronds. Adaptation: home garden.

Taurus—Breeder and vendor: Morrison Brothers Seed Company PVP 7300084.

Titania—Breeder and vendor: Hurst, Gunson, Cooper, Taber, U.K. PVP 8200008 (withdrawn).

Tonic—Breeder and vendor: W. Brotherton Seed Co., Inc. PVP 9900081.

Twin (XP 330)—Breeder: J. McIntosh. Vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: dark green large wrinkled, normal foliage, late season maturity, good yield and adaptability, processor. Resistance: bean leaf roll, fusarium, powdery mildew. Similar: Geni, Dual. Adaptation: North America, Spain.

Tyee—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 9300089 (9/30/93).

Vernon—Breeder and vendor: Western Valley Seed Co. PVP 7400028 (8/16/91).

Volare (XP 383)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: mid early Afila, good structure, improved berry color, freezer pea. Resistance: fusarium, powdery mildew. Similar: Misty. Adaptation: North America and Northern Europe.

XP 357—Breeder and vendor: Seminis Vegetable Seeds. PVP 9900160.

XP F330—Breeder and vendor: Seminis Vegetable Seeds. PVP 9700194.

XP F374—Breeder and vendor: Seminis Vegetable Seeds. PVP 9700195.

PEPPER

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Acapulco—Breeder and vendor: Vilmorin. Parentage: F1 hybrid. Characteristics: blocky bell pepper, green ripening to red. 1993.

Ace—Vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. Characteristics: blocky, green ripening to red bell pepper, 3- to 4-lobed, small-medium sized fruit, early, good cold weather tolerance, high yields, mature in 50 days. Resistance: blossom drop. 1997.

Aconcagua—Characteristics: Cubanelle-shaped, but much larger fruit; long frying pepper named for Mt. Aconcagua in Argentina; tapered, yellow/green turning to red, very sweet when light green, medium thick flesh, pendant, 710–760 mm plants, dark green foliage gives fruit excellent coverage, continuous fruiting, ripens in 70–75 days. Garden Seed Inventory. 1992.

Adele—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, green ripening to yellow bell pepper, steady growing, high yields, early. Resistance: tobacco mosaic virus races 0, 1, 2. 1995.

Aji (V6090)—Vendor: Plants of the Southwest. Characteristics: thin, 80–127 mm long, orange turning to red pods, fruity taste, very hot. 2000.

Aladdin X3R—Breeder: Petoseed Co. Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: dark green ripening to golden yellow bell pepper, concentrated fruit set, 120 × 120 mm fruit size, 76 days. Resistance: tobacco mosaic virus, bacterial leaf spot races 1, 2, 3. 1997.

Alberto—Vendor: DeRuijter Seeds. Characteristics: blocky, green ripening to red bell pepper, large fruit size, vigorous open plant habit, easy setting under high temperatures. Resistance: stip. Adaptation:

Mediterranean climates. 1993.

Albordo (24246)—Breeder: John Bill. Vendor: Seminis-Petoseed. Characteristics: early, sweet, half long bell pepper, green maturing to red, good yields. Resistance: bacterial leaf spot races 1, 2, 3, tobacco mosaic virus. Adaptation: South American summer/fall greenhouse production. 1999.

Amarillo Royale (FMX 1297)—Breeder: Clause/Tezier France. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: yellow blocky bell Pepper with uniform fruit and thick walls (6–8 mm). Similar: Chalice. Adaptation: western U.S. 2000.

Anaheim M (Anaheim Mild)—Characteristics: a tapered, dark green maturing to red, medium walled, 178 × 44 mm sized New Mexican pod type, mostly 2 celled and flat, fairly mild, ripening in 77–80 days; plants are upright 610 mm tall, bearing fruit continuously. Garden Seed Inventory. 1992.

Ancho 101—Vendor: Johnny's Selected Seeds. Parentage: open pollinated. Characteristics: Ancho type chile, 68 days, mild pungency, 100 × 50 mm fruit size, very dark green ripening to dark mahogany red, called poblano at green stage, 2- to 3-lobed, tall and rangy plants, thin wall. Adaptation: warm climates with cool nights. 1997.

Ancho San Juan (PS 13194)—Breeder: Omar Diaz. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Dark green fruit, large size 2–3 celled, excellent uniformity, mid-maturity, large plant. Similar: Ancho San Martin. Adaptation: Mexico.

Ancho San Luis—Vendor: Shepherd's Garden Seeds. Characteristics: 75 to 78 days to harvest, called 'Poblano' when fresh, and 'Ancho' when dried; glossy flattened chiles, ripen from green to a reddish brown, fruit are 100–130 mm long and distinctively heart shaped, plant are vigorous and grow to about 760 mm tall. 1999.

Ancho San Martin (PS 13994)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: ancho type, dark green to red fruit, better yield, and larger fruit than open pollinated cultivars. Similar: Ancho San Luis. Adaptation: Mexico. 1999.

Ancho Villa (RPP 2142)—Breeder: Novartis Seed, Inc. Parentage: F1 hybrid. Characteristics: ancho with increased plant vigor, yield, larger fruit. Resistance: virus. Similar: Ancho San Luis. Adaptation: Mexico and all ancho growing areas. 1999.

Andor (E4929)—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: Lamuyo type bell pepper, green ripening to red, thick wall, fruit 130 × 90 mm, vigorous plant habit, early. Resistance: tobacco mosaic virus race 0, 1, 2. Similar: Atol. 1995.

Apple—Breeder and vendor: Johnny's Selected Seeds. Parentage: open pollinated. Characteristics: heart shaped pimiento type, thick wall, has apple flavor, mild, juicy, 90 mm long, round fruit 77 days to red ripe, medium sized plants. PVP applied. 1997.

Ariane—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, green ripening to orange bell pepper, short, fast growing plant, early. Resistance: tobacco mosaic virus race 0. 1995.

Aristotle (PS 7273823)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: green blocky bell, large to extra large, thick walls. Resistance: bacterial spot 1, 2, 3, PVY Tobamovirus. Similar: Paladin. Adaptation: eastern U.S. 2000.

Asimi—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: Lamuyo type bell pepper, green ripening to yellow, 130 × 90 mm fruit size, continuous plant growth, early. Resistance: tobacco mosaic virus race 0. 1995.

Atol—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: Lamuyo type bell pepper, dark green ripening to red, fruit 130 × 90 mm, strong plant habit, very early, 4-lobed fruit. Resistance: tobacco mosaic virus race 0. Adaptation: greenhouse and outside production in southern Europe and subtropical areas. 1995.

Augusta (E2205/66)—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, green ripening to red bell pepper, compact plant habit, good for greenhouse cropping, early. Resistance: tobacco mosaic virus race 0, 1, 2, stip, blossom end rot. 1995.

Bajo—Vendor: Shepherd's Garden Seed Co. Parentage: open pollinated. Characteristics: pasilla type chile, 150 × 25 mm sized fruit, glossy deep forest-green ripening to deep brown, called chilaca in green stage, 900 mm tall plants, 80 days, moderate pungent. Resistance: tobacco mosaic virus. 1997.

Balada (PS 24195)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: Asian type pepper, fruit maturing from green to red, fruit slightly curved, tapers to point, 60 × 127 mm, highly pungent. Similar: Spiral. Adaptation: Indonesia, Thailand, Vietnam.

Ball Park (PS 3794)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: Jalapeno type, 310 × 90 mm, mild to slightly pungent, large plant. Adaptation: U.S. and Mexico.

Bananarama—Vendor: Burpee. Characteristics: Banana type, 70 days to harvest, fruit are 20 cm long, yellow maturing to orange-red, small plant. 1999.

Beauty Bell—Vendor: Known-You Seed Co. Parentage: F1 hybrid. Characteristics: blocky, bright green ripening to red bell pepper, medium large fruit, small plant with good foliage cover, 90 × 80 mm fruit size, thick wall, 3 to 4-lobed. Resistance: tobacco mosaic virus race tolerant. 1987.

Bell Captain—Vendor: HPS. Characteristics: bell pepper type maturing in 72 days, handles stress very well, well-shaped, four lobed, 110 × 102 mm fruit, large plants, vigorous. Resistance: tobacco mosaic virus race. 2000.

Bell King—Vendor: Harris Seeds. Characteristics: bell pepper that matures in 74 days, large, thick-walled fruit, on tall plants. Resistance: tobacco mosaic virus race. 2000.

Bendigo—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: very early bell pepper, fruit are quite small, blocky, green ripening to red, very uniform, and thick-walled; sets very well, thinning may be required; well-known standard cultivar for many growers around the world. Resistance: tobacco mosaic virus race 0. Adaptation: suitable for production in unheated greenhouses in the late Spring/Summer. 1995.

Bennington—Breeder: Mike Sheets. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: very dark green, smoother and thicker wall than standards, very blocky—no tendency to become flat; productive tall and sturdy plant. Resistance: BST. Similar: Enterprise, X3R Camelot, Brigade. Adaptation: southeast and northeast U.S., Mexico. 2000.

Berbero—Vendor: Floating Mountain Seeds. Characteristics: a landrace type introduced from Ethiopia, fruit are 152 to 202 mm in size that turn a bright red when ripe, matures in 80 days. 1991.

Bianca—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, white (ivory) ripening to light red bell pepper, steady compact growing plant, very early, 3–4 lobed fruit. Resistance: tobacco mosaic virus race 0. 1995.

Big Chile—Vendor: Gurney's and Johnny's Select Seeds. Parentage: F1 hybrid. Characteristics: New Mexican type, mild flavor, 177 × 50 mm fruit, 55–68 days to green mature, 80 days to red ripe, vigorous plants, high yields in northern U.S. Seed catalog. 1999.

Big Dipper—Vendor: W. Atlee Burpee. Characteristics: green to scarlet bell pepper, 110 × 110 mm fruit size, 4-lobed, thick walls, plants upright, compact, 500 to 600 mm high, 75 days. Resistance: tobacco mosaic virus. 1997.

Big John—Vendor: Harris Seeds. Parentage: F1 hybrid. Characteristics: large, sweet tasting, fruit ripening from green to red, uniform fruit size and shape, 76 days to harvest. 1999.

Big Red Hybrid—Vendor: W. Atlee Burpee. Parentage: F1 hybrid. Characteristics: cayenne type, 250–300 mm fruit × 60 mm at shoulders, 70 days, fruit matures from green to red. 1997.

Big Star—Vendor: Known-You Seed Co. Parentage: F1 hybrid. Characteristics: large fruited bell pepper, pendant fruit, green ripening to red, tall, slight sprawling plants, large leaves, 150 × 75 mm fruit size. 1987.

Big Top (PS 21995)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: Asian type, fruit green to red, medium pungency, long tapered fruit, 13 mm × 150 mm in length, large vigorous plant. Adaptation: Far East.

Biker Billy Hybrid—Vendor: W. Atlee Burpee. Parentage: F1 hybrid. Characteristics: jalapeño, 66 days to harvest, very hot, fruit are 50 mm at the shoulder and 90 mm long. 1999.

Biscayne—Vendor: Park Seed and Johnny's Selected Seeds. Parentage: F1 hybrid. Characteristics: cubanelle-type, prolific, smooth, large fruit up to 150 × 60 mm, light green, blunt ended and tapered, 63

days to maturity, plants well branched standing 650 mm, providing an excellent canopy to protect from sunscald. 1997.

Blackbird—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, 90 × 95 mm fruit size, ripens green to brown to black to dark red, 73 days. 1997.

Blockbuster—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, jumbo green ripening to deep red, thick-walled, 3 to 4-lobed, sweet, 160 × 100 mm fruit size, 70 days. Similar: Big Bertha. Adaptation: Northeastern U.S. 1997.

Blue Jay—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: very productive, blocky bell pepper, 110 × 100 mm fruit size, ripens green to lilac/grape to pale orange to dark red, 73 days. 1997.

Blue Star—Vendor: Known-You Seed Co. Parentage: F1 hybrid. Characteristics: large fruited bell pepper, pendant fruit, 3- to 4-lobed, dark green ripening to red, medium thick walls, tall, upright plants, vigorous, large leaves, sets well in cool and warm weather. 1987.

Blushing Beauty—Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: bell pepper, fruit “blushes” from light yellow or ivory to red at maturity, thick walled and sweet at any stage in their development, harvesting begins 72 days after transplanting, 450 mm tall with bushy plant habit, 400 mm wide plant, good for patio containers. All-American Selection. Resistance: bacterial leaf spot races 1, 2, and 3, and tobacco mosaic virus. All-American Selections announcement, Nov. 1998.

Boldog Paprika—Vendor: Shepherd’s Garden Seeds. Characteristics: elongated red fruit, plants are upright and very productive, European background. 1998.

Bolivian Rainbow—Vendor: Southern Sun Seeds. Characteristics: matures in 70 days, small 20 mm long pointed fruit, starting purple then turning orange to red, plants are very showy with purple flowers and multi-colored fruit, fruit are very hot with sweet spicy flavor. 1999.

Bon Star—Vendor: Known-You Seed Co. Parentage: F1 hybrid. Characteristics: small to medium sized sweet pepper, erect plants, small leaves, early, 80 × 25 mm fruit size, thin flesh. 1987.

Bonanza (JSX9320)—Vendor: Johnny’s Selected Seeds. Parentage: F1 hybrid. Characteristics: blocky, heavy, smooth pods, dark green ripening to red bell pepper, 4-lobed, strong plants, 62 days. Resistance: tobacco mosaic virus race 0, 1, 2. 1997.

Bossanova—Vendor: Rijk Zwaan. Characteristics: early production of very large fruit for heated greenhouse production. Resistance: blossom end rot, russetting, bitter pit, tobacco mosaic virus race 0, 1, and 2. Adaptation: good for heated greenhouse production. 1999.

Bounty (PS 9091)—Breeder: J. Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: yellow to red fruit, sweet banana type, light yellow to bright red, medium large plant, high yields, maturity 65 days from transplant. Adaptation: southeast, northeast and midwestern U.S. 2000.

Boynton Bell—Vendor: Harris Seeds. Parentage: F1 hybrid. Characteristics: glossy dark green to red bell pepper, matures in 75 days green, large, blocky fruit, thick-walled. Resistance: bacterial leaf spot races 1, 2, and 3. 1999.

Brigadier—Breeder and vendor: Novartis. Characteristics: green to red bell pepper that produces large and extra large fruit that keep their shape despite cool weather. Resistance: bacterial leaf spot races 1, 2, and 3, and potato virus Y. Adaptation: Florida, Southeast, and Midwest U.S. The Grower Nov. 1997.

Bulgarian Carrot (Shipkas)—Vendor: Shepherds Garden Seed Co. Parentage: open pollinated. Characteristics: Bulgarian land race, 90 mm long fruit, green ripening to fluorescent-orange, fruit sets in clusters, 450 m tall plants, 68 days, very pungent. 1997.

Caballero (SPP 7502)—Breeder and vendor: Sakata Seed. Parentage: F1 hybrid. Similar: Poblano Pepper. Adaptation: California U.S. 2000.

Cacique (HMX-3676)—Breeder: Enrique Retes. Vendor: Harris Moran. Parentage: F1 hybrid. Characteristics: hot pepper; Jalapeno type; concentrated set; excellent yield. Adaptation: Mexico. 2000.

Cadete—Vendor: DeRuiter Seeds Inc. Characteristics: Lamuyo type, green ripening to red, large size fruit, thick wall, 3- to 4-lobed, excellent shape. Resistance: potato virus Y, stip. Adaptation: Mediterranean areas. 1993.

Cadice—Vendor: Shepherd’s Garden Seeds. Parentage: F1 hybrid. Characteristics: sweet bell pepper, matures from green to red, 55 days to harvest, excellent quality and extra early hybrid, very large, and thick walled. 1999.

Caldero—Breeder and vendor: Orsetti Seed Company, Inc. Parentage: F1 hybrid.

California Wonder (Burpee’s California Wonder)—Characteristics: ripens in 68–89 days, large blocky thick-walled bell pepper, 114 × 102 mm fruit size, glossy deep green to red color, 3 or 4 thick lobes, upright prolific ever bearing 760 mm plants. Garden Seed Inventory. 1992.

California Wonder 300 TMR—Vendor: Carolina Seeds. Characteristics: glossy green, thick walled fruit, which turn green to red at maturity, smooth blocky fruit, mostly 4-lobed, averaging 110 × 100 mm fruit size, 72 days to harvest. Resistance: tobacco mosaic virus race. 1999.

Calurosa—Breeder and vendor: Orsetti Seed Company, Inc. Parentage: F1 hybrid.

Camelot—Breeder: Petoseed Co. Vendor: Johnny’s Selected Seeds and Stokes Seed Co. Parentage: F1 hybrid. Characteristics: dark, glossy green to red bell pepper, large fruit, square shape, 4-lobed, 130 × 110 mm fruit size, 74 days, and thick-fleshed, upright plants suitable for close spacing. Resistance: tobacco mosaic virus race. Adaptation: New Jersey, New York, Maine. 1997.

Camino Real (HMX-3673)—Breeder: Enrique Retes. Vendor: Harris Moran. Parentage: F1 hybrid. Characteristics: hot pepper; Serrano type; vigorous plant; large fruit. Adaptation: Mexico. 2000.

Canada Cheese—Vendor: Stokes Seed Co. Characteristics: miniature red cheese type pepper, 50 × 30 mm fruit size, green ripening to red, thick-fleshed, does not crack, slightly flattened, 75 days. Similar: Sunnybrook. 1997.

Canape—Vendor: Thompson and Morgan and Harris Seeds. Parentage: F1 hybrid. Characteristics: bell pepper, improved California Wonder, green ripens to red, sweet, matures in 65 days, more than a dozen fruit per plant, short seasoned, ripens early, tapered fruit, 90 × 76 mm. 1993.

Canary—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: blocky 4-lobed, bell pepper, thick-walled, 130 mm square fruit, 72 days, green ripens to bright yellow. Resistance: tobacco mosaic virus race. 1997.

Candente (PS 335095)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: green to red, blocky bell, vigorous plant, continuous set, excellent uniformity, large size fruit, thick walls. Resistance: bacterial leaf spot, potato virus Y, tobacco mosaic virus race. Similar: Guardian. Adaptation: Mexico.

Cardinal—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: blocky, 4-lobed, bell pepper, dark green ripening to dark red, thick-walled, open plant habit, some cold tolerance, 110 × 110 mm fruit size, 70 days. Resistance: tobacco mosaic virus race. 1997.

Caribbean Red—Vendor: Burpee. Characteristics: *Capsicum chinense* habanero type, 90 days to harvest, 38 × 25 mm fruit size, red wrinkled fruit, tapered to blunt point, nearly double the heat of other habanero cultivars, vigorous uniform plants, 710 mm plant size. 1999.

Carmen (PS 200395)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: green to red bell pepper, early maturity. Resistance: bacterial leaf spot, potato virus Y, and tobacco mosaic virus race. Similar: Marquis. Adaptation: Mexico.

Cascabella—Vendor: Shepherd’s Garden Seeds. Parentage: open pollinated. Characteristics: heirloom yellow wax cultivar, 65 days to harvest, very pungent, 40 mm fruit, exceptional fruit set on a 610 mm tall plant, fruit changes from yellow to orange to red. 1999.

Cascade—Vendor: DeRuiter Seeds Inc. Characteristics: blocky, green ripening to red bell pepper, medium fruit size, stretched and open plant habit. Resistance: blossom end rot. 1993.

Cayenne, Large Red Thick (Large Thick Cayenne, Large Long Red Cayenne)—Parentage: open pollinated. Characteristics: cayenne type, maturing in 70 days, very thick fleshed, 152 × 38 mm fruit size, large shoulders, wrinkled tapered and curved, concentrated fruit set, pendant, strong upright plants, dark green to scarlet ripened fruit. Garden Seed Inventory. 1992.

Cayenne, Long Slim (Long Red Slim Cayenne, Slim Cayenne,

Long Narrow Cayenne, Long Red Narrow—Parentage: open pollinated. Characteristics: long slender wrinkled, very hot cayenne type, 127–152 × 19 mm fruit size, thin-walled, 2-celled, dark green to bright red ripening in 75 days, large plants, pendant. Garden Seed Inventory. 1992.

Chalice (PS 214596)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: blocky green to yellow bell pepper, early to turn yellow, very productive, long fruit, maintains firmness at yellow stage. Resistance: bacterial spot races 1, 2, and 3. Similar: X3R Aladdin. Adaptation: southeastern U.S.

Cherry Bomb (PS208488)—Breeder: Ken Owens. Vendor: Petoseed Co. Parentage: F1 hybrid. Characteristics: cherry pepper, pendant fruit, 38 × 38 mm fruit size, very early and high yielding, maturing in 65 days, compact plants, high yield, fruit mature green to red, about 20% less heat than jalapeños. Resistance: TMV-Po.

Cherry Sweet—Vendor: Stokes Seed Co. Characteristics: cherry pepper type, 40 × 30 mm fruit size, green ripening to red in 78 days. 1997.

Cherrytime—Vendor: Johnny's Selected Seeds. Parentage: open pollinated. Characteristics: cherry type, 53 days, sweet, extra-heavy fruit set, 25 × 25 mm fruit size, very smooth and glossy, strong, compact plant, green ripening to red sweet flavor fruit. 1997.

Chilipeno—Vendor: Shepherd's Garden Seeds. Parentage: F1 hybrid. Characteristics: super sized jalapeno, 152 × 32 mm, thick-walled, very productive, good heat and drought tolerance, ripens from dark shiny green to bright red, plant height 700 mm. 2000.

Chiltepin—Vendor: W. Atlee Burpee. Characteristics: tiny, 13 mm fruit, maturing from green to red in 150 days, very hot. 1997.

Chimayo—Vendor: Plants of the Southwest. Parentage: open pollinated. Characteristics: heirloom New Mexican type, green maturing to red, very hot. Adaptation: short season areas. 2000.

Chinese Giant—Breeder and vendor: Burpee Seed Co. Parentage: open pollinated. Characteristics: heirloom green to red bell pepper that produces fruit 100 × 100 mm in size, plant height of 60 cm. 1900.

Chispa (HMX 3677)—Breeder: Enrique Retes. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: tall vigorous plant less purpling of fruit, wide adaptability, excellent yield. Resistance: PVY. Similar: Grande Adaptation: New Mexico, Texas, southern U.S., and Mexico. 2001.

Choco—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, green maturing to brown bell pepper, strong, open plant habit, early, 4-lobed, medium sized. Resistance: tobacco mosaic virus races 0, 1, and 2. Similar: Mavras. 1995.

Chocolate Belle Hybrid—Vendor: W. Atlee Burpee. Parentage: F1 hybrid. Characteristics: bell pepper, fruit turn from green to chocolate brown at full maturity, blocky, 3- to 4-lobed. Resistance: tobacco mosaic virus race. 1997.

Chotis—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: good shelf life, firm fruit, nice color, thick-walled, open plant habit. Resistance: tobacco mosaic virus races 0, 1, and 2. 1999.

Cochiti—Vendor: Plants of the Southwest. Parentage: open pollinated. Characteristics: heirloom New Mexican type, maturing green to red, medium pod length, medium heat. 2000.

Conchos (VYR-59)—Breeder: VTR. Vendor: Orsetti Seed Company, Inc. Parentage: F1 hybrid. 2000.

Conquest (HMX 9640)—Breeder and vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: Compact plant usually 11–15" high with very blocky shaped fruit with medium green color. Resistance: TMV, PVY, PeMV, PMMV; tolerant to CMV, *Phytophthora capsici*. Adaptation: North Carolina, Georgia, San Joaquin Valley, Calif.

Corno de Toro (Bull's Horn, Cowhorn)—Vendor: Southern Sun Seeds and Renee's Garden Seed. Parentage: open pollinated. Characteristics: sweet Italian heirloom, sweet, 250 mm long, shaped like a bull's horn, green maturing to either deep red or bright yellow, in 80 days, plants are large and very productive. 2000.

Corona—Vendor: Johnny's Selected Seeds. Parentage: open pollinated. Characteristics: green to orange bell pepper, medium-size fruit, sweet flavor, compact plants. Resistance: tobacco mosaic virus race. 1998.

Corvette (XP 12262)—Breeder: Mike Sheets. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Green to red, blocky, large to extra large fruit, smoother deeper blockiness than Enterprise. Resistance: BS 1,2,3. Similar: X3R Camelot Adaptation: Northeastern U.S. and Canada. 2000.

Coyama (PS 4395)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: jalapeño type, vigorous plant, larger fruit than Mitla, 100 × 38 mm. Similar: Mitla. Adaptation: Mexico.

Crimson Hot—Vendor: Stokes Seed Co. Parentage: open pollinated. Characteristics: Hungarian yellow wax type, medium pungent, thick-walled, 160 mm triangular fruit, 60 days. 1997.

Cubanelle—Vendor: Carolina Seeds. Parentage: open pollinated. Characteristics: Cuban frying type, slightly tapered fruit, with rounded ends measuring 140 × 60 mm, 65 days to harvest. 1999.

Cumbia—Vendor: Rijk Zwaan. Characteristics: best for red harvest, plants are very vigorous, medium sized internodes, open plant habit, little side shoot development, fruit color is a very intense red, long fruit stalks good for easy picking, recommended for early and autumn planting. Resistance: tobacco mosaic virus races 0, 1, and 2, bitter pit. 1999.

Czechoslovakian—Vendor: Shepherd's Garden Seeds. Characteristics: fruit ripen gradually from midnight purple color, to very bright red, medium-hot, jalapeño-shaped, plants are stalky, 500 mm high and wide, mainly used as an ornamental. 2000.

Damax—Vendor: Daehnfeldt Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, dark green to red fruit, 110 × 100 mm fruit size, 3- to 4-lobed, thick walls, 71 days maturity from transplant, plant frame has medium strength, determinate growth. Resistance: tobacco mosaic virus. Similar: Calwonder. 1994.

Daphne—Vendor: DeRuiter Seeds Inc. Parentage: F1 hybrid. Characteristics: blocky, uniform coloring yellow bell pepper, medium sized fruit, compact plant habit. 1993.

Defiance (XP 12292)—Breeder: Mike Sheets. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Green to red, shallow shoulder, Sweet Pepper, mild taper, mostly extra large fruit, tall plant, sturdy. Resistance: bacterial spot 1, 2, 3, Tobamo P. Similar: X3R Camelot. Adaptation: Southeastern and northeastern U.S. and Mexico. 2000.

Delhi Hot—Vendor: Hungnong Seed International. Parentage: F1 hybrid. Characteristics: Indian hot type, early, high yielding fruit, 122 × 11 mm, vigorous plants. Resistance: *Phytophthora capsici*. Similar: Pusa Jawala. Adaptation: India. 1996.

Delphin—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, green ripening to red bell pepper, short, well-formed plant habit, early. Resistance: tobacco mosaic virus race (Tm0). Adaptation: wide. 1995.

Dempsey (GA 89-3-1)—Breeder: R.P. Lane, S.M. McCarter, C.W. Kuhn, and C.M. Deom. Vendor: Georgia Seed Development Commission. Parentage: PI 163192, PI 264281, Jupiter. Characteristics: open pollinated, bell pepper type, early maturity (60 days), fruit 3–4 lobed, 95 × 69 mm in size, wall thickness 5.7 mm, fruit mature from green to red. Resistance: Georgia strains of tobacco etch virus, pepper mottle virus, potato virus Y, bacterial leaf spot races 1, 2, and 3. Similar: Jupiter. Adaptation: areas where bacterial leaf spot is a limiting factor for production. Adaptation: General. HortScience 32:333–334. 1997.

Diablo Grande—Vendor: Stokes Seed Co. Characteristics: Hungarian yellow wax type, very pungent, tapered, light green ripens to red, 170 mm long fruit, 65 days. 1997.

Diego (33703)—Breeder: Enza Zaden. Vendor: Johnny's Selected Seeds. Parentage: open pollinated. Characteristics: green to yellow bell pepper, matures in 70 days green and 92 days yellow, large-size fruit, thick-walled, mid-early maturity. Resistance: bacterial leaf spot races 1, 2, and 3. Adaptation: North America. 1999.

Dolma Giant—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: blocky bell pepper, pendant fruit, early maturity, tolerant to low temperature, 3- to 4-lobed, light green ripening to red, 85 × 65 mm fruit size. 1996.

Dove—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Character-

istics: large productive bell pepper, 130 × 120 mm fruit size, creamy, near-white fruit matures to pale green to cream/pale yellow to pale orange to red, 71 days. 1997.

Dulce (PS 23694)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: jalapeno type, sweet, attractive fruit, good flavor, 20 × 75 mm, tapering shape, medium to dark green, early maturity. Resistance: potato virus Y. Adaptation: North America.

Eagle—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, green ripening to deep orange bell pepper, early, large fruit, shoulder cracking, vigorous growing plant. Resistance: tobacco mosaic virus race 0. 1995.

Early Cal Wonder—Vendor: Territorial Seed Co. Parentage: open pollinated. Characteristics: green to red bell pepper type, produces large, thick-walled, blocky-shaped fruit. Adaptation: suited for cool growing areas. 1998.

Early Niagara Giant—Vendor: Stokes Seed Co. Characteristics: general purpose bell pepper, dark green ripening to red, 110 mm square, thick-walled, maturing in 65 days. 1997.

Early Scotch Bonnet—Vendor: Stokes Seed Co. Parentage: open pollinated. Characteristics: *C. chinense* type, acorn shape, very pungent, small fruit, 70 days. 1997.

El Rey (SSP 7603)—Breeder and vendor: Sakata Seed. Parentage: F1 hybrid. 2000.

Elisa—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: extra large, deep bell pepper, thick-walled, 3- to 4-lobed, 150 × 140 mm fruit size, 72 days, sets well in cool temperatures. Resistance: tobacco mosaic virus race, potato virus Y, and tolerant to tobacco etch virus. 1997.

Espana—Vendor: Harris Seeds. Parentage: F1 hybrid. Characteristics: bell pepper, 150 mm tapered fruit, thin walled, ripens green to red, 72 days to harvest. Resistance: potato virus Y, tobacco etch virus, tobacco mosaic virus. 1999.

Evident—Vendor: DeRuiter Seeds, Inc. Characteristics: blocky, green ripening to red bell pepper, medium size. Resistance: tobacco mosaic virus race 0, stip, russetting. 1993.

Fajita Bell Hybrid—Vendor: Park Seed Co and Nichols Garden Nursery. Characteristics: F1 hybrid, bell pepper, mildly pungent, good flavor, 68 days to green, 80 days to deep red, blocky, 100 mm long fruit, 450 mm compact plants, 68 days to maturity. 1997.

Fat'N Sassy Hybrid—Vendor: Gurney's. Characteristics: blocky, thick-walled, matures green to red in 65 days, 114 mm sized fruit. Resistance: some tolerance. 2000.

Festos—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: Lamuyo type bell pepper, green ripening to red, thick wall, fruit 150 × 100 mm, vigorous plant habit, early. Resistance: tobacco mosaic virus race 0, 1, and 2. Adaptation: production under plastic in southern Europe. 1995.

Figaro—Breeder and vendor: Vilmorin. Parentage: F1 hybrid. Characteristics: blocky bell pepper, dark green ripening to bright red, tall, vigorous plants, thick-walled, sets well under stress conditions. Resistance: tobacco mosaic virus race, potato virus Y races 0 and 1. 1993.

Figaro Sweet Italian Pimiento—Vendor: Shepherd's Garden Seeds. Characteristics: flattened globe-shaped sweet pimiento, deep green to crimson, 100 mm fruit size, thick walled, strong and vigorous plants, continuously set fruit, 68 days to harvest. 1999.

Flair—Vendor: DeRuiter Seeds Inc. Characteristics: blocky, green ripening to red bell pepper, medium-large size, open and slightly stretched plant, early. Resistance: stip, russetting, blossom end rot. 1993.

Flamy—Vendor: DeRuiter Seeds Inc. Characteristics: tapered 150 mm long, green maturing to red fruit, vigorous plant growth. Resistance: tobacco mosaic virus race (Tm2). Similar: Torito. 1993.

Flash (JPR)—Vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. Characteristics: Asian hot type, 75 days, thin wall, 110 × 15 mm fruit size, medium-high pungency, pointed fruit, green ripening to red, high yield, vigorous big plants. Similar: Paper Dragon. Resistance: tobacco mosaic virus race and potato virus Y. 1996.

Fooled You (150571)—Breeder: Jim Waltrip. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: sweet jalapeno, attractive

fruit, 3.0 × 7.5 cm long, tapering shape, medium to dark green. Resistance: potato virus Y. Similar: Delicias. Adaptation: home garden, North America. 1999.

Foulki—Vendor: Vilmorin Seed Co. Parentage: F1 hybrid. Characteristics: Italian sweet pepper type, dark green tapered fruit ripens to red, thick-walled. Resistance: tobacco mosaic virus race 0. 1993.

Fresnillo (91221)—Breeder: Ronquo Hernandez. Vendor: Seminis Vegetable Seeds. Characteristics: long 190 mm, two celled, medium thick walled, maturing to red fruit, upright plant, medium maturity, mild pungency. Adaptation: North America, Mexico.

Furila—Vendor: DeRuiter Seeds Inc. Characteristics: tapered 160 to 180 mm long, green maturing to glossy red fruit, very hot, early. Resistance: tobacco mosaic virus race (Tm2). 1993.

Fushima, Long Green—Characteristics: famous, old Japanese cultivar, many long slender mild thin-walled 152 mm pods, bright-green glossy skin, wrinkled when mature, vigorous, not a tall plant, easy to grow. Garden Seed Inventory. 1992.

Galaxy—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, deep green ripening to red, thick-walled, sweet, 120 × 110 mm fruit size, sets well in cool weather, 72 days. Resistance: tobacco mosaic virus race, potato virus Y, stip. 1997.

Galaxy Variegata—Breeder: Michael Henning. Vendor: Glass-house Works. Characteristics: F1 hybrid, white splashed foliage, clusters of red pendant fruit. 2000.

Giant Marconi (PS 800893)—Breeder: Jim Waltrip. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: red, long tapered, Marconi type, good vigorous plant, good thickness and storage ability. Resistance: tobacco mosaic virus (POI, 2), potato virus Y. Similar: Red Marconi. Adaptation: home garden. 1999.

Giant Szegedi—Vendor: Stokes Seed Co. Parentage: open pollinated. Characteristics: elongated Hungarian wax type, yellow ripening to yellow-orange fruit, 70 days, 150 × 95 mm fruit size, thick-walled, very sweet. Resistance: tolerant to verticillium wilt. 1997.

Giant Thai Hot—Breeder: R.E. Bernstrom. Vendor: Park Seed Co. Parentage: open pollinated. Characteristics: Thai hot type, deep green maturing to deep red, 42 days. 1997.

Gladiator—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: Lamuyo type bell pepper, green ripening to yellow, 100 × 80 mm fruit size, strong, compact plant growth, early, thick wall. Resistance: tobacco mosaic virus race 0. 1995.

Godfather Hybrid, The—Vendor: Burpee. Parentage: F1 hybrid. Characteristics: Italian frying pepper, 160 to 190 mm long fruit, matures early, 64 days, very prolific, green maturing to red, excellent flavor. 1997.

Gold Finch—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: blocky bell pepper, 4-lobed, 120 mm square fruit, 72 days, ripens light green to creamy yellow/pale lemon to red. 1997.

Gold Standard Hybrid—Vendor: Burpee. Characteristics: big blocky bell pepper, 73 days to harvest, 130 × 130 mm fruit size, green to golden-yellow, extra sweet flavor, aromatic fresh. 1999.

Golden Arrow—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: early version of Super Sweet Banana, 200 mm long fruit, straight, golden yellow ripens to red, sweet, 58 days. 1997.

Golden Cayenne—Vendor: Stokes Seed Co. Parentage: open pollinated. Characteristics: pencil thin cayenne type pepper, very pungent, 150 mm long, 70 days. 1997.

Golden Giant Hybrid—Vendor: Burpee. Parentage: F1 hybrid. Characteristics: glowing yellow fruit, jumbo-sized, plants 650 mm tall, 75 days. Resistance: viruses. 1997.

Golden Giant II Hybrid—Vendor: Burpee. Characteristics: 75 days to harvest, huge, elongated fruit, 200 mm long × 130 mm wide, great flavor and substantial walls, plants get 660 mm tall. Resistance: viruses. 1999.

Golden Heat—Vendor: Known-You Seed Co. Parentage: F1 hybrid. Characteristics: Asian hot type, small well branched plants with small leaves, 130 × 15 mm fruit size, thin flesh, hot, good for drying, heavy and concentrated fruit set. 1987.

Golden Summer Hybrid TMV—Vendor: Park Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, lime green ripening to golden yellow, 4-lobed, sweet, good foliage cover, 65 days. 1997.

Golden Tower—Vendor: Hungnong Seed Co. Parentage: F1

hybrid. Characteristics: standard Korean hot type, pendant fruit, vigorous, pungent, green ripening to red, 115 × 18 mm fruit size. 1996.

Goldflame—Vendor: DeRuiter Seeds Inc. Characteristics: blocky, yellow bell pepper, medium fruit size, early. Resistance: tobacco mosaic virus race (Tm0). 1993.

Gourmet—Vendor: Territorial. Parentage: open pollinated. Characteristics: green to orange bell pepper, 85 days to maturity, 4–5 four lobed fruit, heavy thick walls, blocky shape, sweet flavor, plants 430 mm. 2000.

Gracia—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: very early, highly productive, good fruit setting under cold conditions, medium size light green fruit, good for green harvesting, thin fruit wall. Resistance: tobacco mosaic virus race 0. 1999.

Grandpa's Home Pepper—Vendor: High Altitudes. Characteristics: small brilliant red fruit, matures in 70 days, 304 mm tall plants, high yield, semi-hot. Adaptation: grows well under low light conditions. 2000.

Great Stuff Hybrid—Vendor: Burpee. Characteristics: large bell pepper, 150 to 200 mm long and 125 mm wide, green to dark red, firm walls, plants 650 mm high, 76 days. Resistance: tobacco mosaic virus race. 1997.

Guntur M 235—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: Indian 'Guntur' type, vigorous, 65 × 8 mm fruit size, high pungency. 1996.

Gurney's Giant—Vendor: Gurney's. Characteristics: 203-mm-long fruit that is bigger than 'Big Bertha', easy to grow, highly productive. Adaptation: wide. 2000.

Habanero—Vendor: Johnny's Selected Seeds and Shepherd's Garden Seeds. Parentage: open pollinated. Characteristics: cultivar of *C. chinense*, 50 × 31 mm fruit size, wrinkled, tapered fruit, green ripening to orange, very pungent, 90 days. 1996.

Hearts—Vendor: Gurney's. Characteristics: ornamental chile, good for potting, prolific and compact, 7–10 pungent fruit above the foliage, 65 days to maturity. 2000.

Heatwave—Vendor: Thompson and Morgan. Characteristics: small wrinkled cayenne type, matures in 75 days, fruit are red, yellow and orange, very hot. Adaptation: best production is in greenhouse. 2000.

Hemisphere (E31704)—Breeder: Enza Zaden. Parentage: F1 hybrid. Characteristics: green to red blocky bell pepper. Resistance: bacterial leaf spot races 1, 2, and 3. Adaptation: United States.

Hercules—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: large green ripening to red bell pepper, thick-walled, 200 × 120 mm fruit size, 72 days. 1997.

Hero—Vendor: Thompson and Morgan. Parentage: F1 hybrid. Characteristics: Asian hot type, vigorous, tolerates cold temperatures, 150 mm long, smooth, slim, thick fleshed fruit, green ripening to fiery red, very pungent, 75 days. 1993.

H-N Anaheim—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: New Mexican type, tall strong plant, good foliage cover, medium pungent, smooth pod, dark green ripening to red, 175 × 45 mm fruit size. 1996.

Hot Beauty—Vendor: Known-You Seed Co. Parentage: F1 hybrid. Characteristics: Asian hot type, tall, erect, vigorous plants, 130 × 14 mm fruit size, thin flesh, pungent, dark green ripening to bright red, prolific, fruit sets continuously. 1987.

Hot Chili—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: Asian hot type, early, green ripening to deep red, high pungency, 125 × 17 mm fruit size, thick-walled, smooth skin, pendant fruit. Resistance: *Phytophthora capsici*. 1996.

Hot Green—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: early, sets well under low temperatures, thick wall, pungent, dark green ripening to red, 225 × 40 mm fruit size. 1996.

Hot Lemon—Vendor: Burpee Seed Co. Parentage: open pollinated. Characteristics: *C. baccatum* cultivar introduced from the markets of Ecuador; fruit begins green and ripens to a pure lemon yellow, 100 mm long fruit has an unique fruit aroma, pungency equivalent to cayenne. 1999.

Hot Piman—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: blocky pungent bell pepper, pendant fruit, 4-lobed, vigorous, good foliage cover, deep green ripening to red, 95 × 75 mm fruit size. 1996.

Hot Portugal—Vendor: Harris Seeds and Stokes Seed Co. Characteristics: open pollinated, very pungent, thick-walled, 150 mm long, tapered, shiny dark green fruit that mature to an intense crimson, 64 days, tall erect plants. 1997.

Hot Spot (PS 12896)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: hot banana type, fruit matures for light yellow to red, productive. Resistance: bacterial leaf spot races 1, 2, and 3. Similar: Inferno. Adaptation: southeast and northeast United States. 2000.

Hot Stuff—Vendor: Stokes Seed Co. Characteristics: Hungarian yellow wax type, medium pungent, tapered, pendant fruit, 160 mm long fruit, 60 days. 1997.

Hotazel (057-690)—Breeder: Ray Osborn and John Bill. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: open pollinated. Characteristics: red habanero, extremely pungent. Adaptation: Caribbean, home garden.

Huasteco—Vendor: Shepherd's Garden Seeds. Parentage: open pollinated. Characteristics: serrano type, green ripening to red, thick-walled, 900 mm tall plants, good foliage cover, 80 days, very pungent, pendant fruit. Resistance: potato virus Y, tobacco etch virus, pepper mottle virus. 1997.

Hungarian Sweet Banana Pepper—Vendor: Shepherd's Garden Seeds. Characteristics: very early, 52 days to harvest, 180 mm plump cylinders, tapering to a blunt point, waxy yellow to flame orange color. 1999.

Hungarian Yellow Wax Hot (Bulgarian Hungarian Wax, Hungarian Wax Hot, Hungarian Long Wax, Hot Banana Hungarian wax No. 2)—Parentage: open pollinated. Characteristics: heirloom cultivar, ripens 58–85 days, medium hot, medium thick walled, 203 × 51 mm fruit size, tapers to point, waxy yellow to crimson, both upright and pendant fruit, strong upright plants, 410 × 610 mm plant size. Garden. 1992.

Hungnong Ace—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: blocky green ripening to red bell pepper, pendant fruit, 95 × 85 mm fruit size, medium maturity, 4-lobed, thick wall, waxy, good foliage cover. 1996.

Hybrid TM-888—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: Indonesian hot type, vigorous, good heat tolerance, 135 × 10 mm fruit size, pendant fruit. Resistance: *Phytophthora capsici*. 1996.

Hybrid TM-999—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: Indonesian hot type, vigorous, slim, long fruit, 125 × 8 mm fruit size, very pungent, pendant fruit. 1996.

Imperial—Vendor: Daehnfeldt Seed Co. Parentage: F1 hybrid. Characteristics: early Lamuyo type, dark green to red fruit, 12 × 70 mm fruit size, 4-lobed, medium thick walls, 70 days, medium strong plants. Resistance: tobacco mosaic virus race. 1994.

Inia—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, green ripening to yellow bell pepper, very large fruit, open plant habit, early. Resistance: tobacco mosaic virus race 0. 1995.

Intrepid (XP12266)—Breeder: R. Hernandez. Vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: green to red bell, compact plant, concentrated fruit set, deep blocky shape, 5 days earlier than 'Enterprise'. Resistance: bacterial leaf spot races 1, 2, and 3, tobacco mosaic virus. Similar: Enterprise. Adaptation: Northeast, Canada. 2000.

Irini—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: Lamuyo type bell pepper, green ripening to yellow, fruit 150 × 90 mm, strong vigorous plant, early, thick wall. Resistance: tobacco mosaic virus race 0. 1995.

Ironsides (PS 334094)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: early maturing, blocky green to red bell pepper. Resistance: bacterial leaf spot races 1, 2, and 3. Similar: Enterprise. Adaptation: Northeast United States. 2000.

Isabel—Vendor: DeRuiter Seeds Inc. Characteristics: Lamuyo type, green ripening to yellow. Resistance: tobacco mosaic virus race (Tm2). Similar: Maribel. 1993.

Islander—Vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. Characteristics: light lavender ripening to red bell pepper, strong, medium-tall plants, early, 56 days, 81 days to red ripe, 3-lobed, medium size, thick wall. Resistance: tobacco mosaic virus race. 1997.

Isleno—Vendor: Shepherd's Garden Seeds. Parentage: open pollinated. Characteristics: mulato type chile, flattened, heart-shaped, blunt-ended, 150 × 60 mm sized fruit, deep glossy green ripening to dark chocolate brown, thick-walled, 750 mm tall plants, 80 days, moderately pungent. Resistance: potato virus Y, tobacco etch virus. 1997.

Issa (LM 204)—Breeder: Leen de Mos Vegetable Seeds. Vendor: Shamrock Seed Co. Characteristics: Lamuyo type sweet pepper; 70–75 day maturity; green to red; elongated shape with 3–4 lobes, 220 g fruit weight; suitable for greenhouse and outdoor production. Resistance: tobacco mosaic virus race. Similar: Lamuyo. Adaptation: all bell pepper growing regions in the U.S. and Mexico.

Italian Gourmet Hybrid—Vendor: Park Seed. Parentage: F1 hybrid. Characteristics: Italian pepper, deep green ripening to red, 180 mm long fruit, 70 days. 1997.

Italian Peperoncini—Vendor: Territorial Seed Co. Parentage: open pollinated. Characteristics: Italian heirloom peperoncini type, bushy plants, non-pungent, yellow fruit maturing to red. 1998.

Ivory Banana—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: yellow wax type pepper, pendant fruit, thick-walled, 230 × 60 mm fruit size, butter-yellow ripens to red, 56 days. 1997.

Jackpot Hybrid—Vendor: Park Seed. Characteristics: fruit 200 × 100 mm, ripen to a golden yellow in 75 days, thick walls, smooth skin, sweet flavor, plants grow very large and vigorous to 610 mm tall. 1999.

Jalapa (PS5981)—Breeder: Al Burkett. Vendor: Petoseed Co. Parentage: F1 hybrid. Characteristics: jalapeño, medium pungency, early production, matures in 65 days, medium plant size with good concentrated fruit set, fruit are 64 × 25 mm, thick walled, taper to a blunt tip, matures medium green to red.

Jalapeno M—Vendor: Park Seed Co. Parentage: open pollinated. Characteristics: jalapeño type, green maturing to red, highly pungent, 75 mm long fruit, 550 mm tall plants, 73 days. 1997.

Jamaica Scotch Bonnet—Vendor: HPS. Characteristics: *Capsicum chinense* cultivar, matures in 120 days, later and shorter than habanero, bright-orange fruit, plants are 762 mm tall. 2000.

Jumbo Sweet—Vendor: Thompson and Morgan. Parentage: F1 hybrid. Characteristics: bell pepper, 150 × 100 mm size fruit, vigorous, early, sweet, small central core, upright plant habit, thick-walled, 3- to 4-lobed, green ripens to red, sweet, 72 days. 1993.

Kalosca Sweet Spice Paprika—Vendor: Shepherd's Garden Seeds. Characteristics: Hungarian paprika type, 72 days to red harvest, sweet flavored, especially aromatic, plants grow to about 610 mm tall, fruit are 40 × 130 mm. 1999.

Kelvin—Vendor: DeRuiter Seeds Inc. Characteristics: blocky, yellow bell pepper, medium fruit size. Resistance: tobacco mosaic virus race (Tm2). 1993.

Key Largo—Vendor: Harris Seeds. Parentage: F1 hybrid. Characteristics: cubanelle pod type, thin-fleshed, 150 mm long and 50 mm wide at shoulders, fruit ripens from a yellow-green fruit to a bright orange red; plants produce good foliage cover for the fruit. 1999.

Key West (PS 462296)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: cubanelle type. Resistance: bacterial leaf spot races 1, 2, and 3. Similar: Biscayne. Adaptation: Caribbean and Southeast U.S.

Keystone Resistant III—Vendor: Caroline Seeds. Characteristics: open pollinated bell pepper, large thick walled fruit, averaging 110 × 80 mm, mostly 4-lobed, and has concentrated sets under adverse conditions, harvest in 80 days. Resistance: tobacco mosaic virus race. 1999.

King of the North—Vendor: Henry Fields. Characteristics: early maturing, 65 days, bell pepper, 152 × 101 mm in size. 1999.

Kishinev—Vendor: Nichols Garden Nursery. Characteristics: thick fleshed, squatty fruit, exceptional flavor and juiciness, 75 days to maturity. 2000.

Klondike Bell—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: giant bell pepper, ripens dark green to golden yellow to orange, thick-walled, 110 × 110 mm fruit size, 72 days. 1997.

Kung Pao (24094)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Asian pepper, spiral type, green to red, slightly curved within skin, tapers to R point, high pungency,

very large plant. Resistance: Tobamo virus. Similar: Spiral. Adaptation: Middle East, North Africa. 2000.

La Bamba—Vendor: Harris Seeds. Parentage: F1 hybrid. Characteristics: green to red elongated fruit, 130 × 80 mm fruit size, medium to thick fleshed, sweet tasting, 76 days to harvest. Resistance: tobacco mosaic virus. 1999.

Laparie—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: long, 200 × 60 mm, tapered pendant fruit, slightly wrinkled, dark green ripens red, 72 days. 1997.

Ledoro (E8260)—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, green ripening to yellow bell pepper, very large fruit, vigorous plant habit, early. Resistance: tobacco mosaic virus race 0, 1, and 2. 1995.

Lemon Belle Hybrid—Vendor: W. Atlee Burpee. Characteristics: bright yellow bell pepper, 3-lobed 100 mm long, 90 mm wide, smooth shoulders, uniform and blocky with medium-thick wall, 72 days. Resistance: tobacco mosaic virus race, potato virus Y, tobacco etch virus. 1997.

Lexington—Vendor: Asgrow Seed Co. Parentage: open pollinated. Characteristics: green to red bell pepper, fruit dark-green, blocky shaped. Resistance: tobacco mosaic virus race (Po) and bacterial leaf spot races 1, 2, and 3. The Grower, Nov. 1998.

Little Dipper Hybrid—Vendor: W. Atlee Burpee. Characteristics: miniature bell pepper, 50 × 40 mm, green to red fruit, 650 mm tall plants, 66 days. Resistance: tobacco mosaic virus. 1997.

Locas—Vendor: DeRuiter Seeds Inc. Characteristics: blocky, green ripening to red bell pepper, medium size, short jointed, particularly suitable for cooler greenhouses. Resistance: tobacco mosaic virus race (Tm0), sunscorch. 1993.

Long Chili—Vendor: Known-You Seeds. Characteristics: plants are erect, rather tall, and very vigorous, fruit are long and slim, 180 × 20 mm, medium green fruit turns bright red at maturity, smooth thin walls, medium pungent. 2000.

Long Green—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: early, sets well under low temperatures, spreading foliage, short internodes, green ripening to red, 140 × 18 mm fruit size. 1996.

Luteus—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, green ripening to yellow bell pepper, short well-formed plant habit, dark green leaves, early. Resistance: tobacco mosaic virus race 0. 1995.

Maestro—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, uniform, green ripening to red bell pepper, thick walls, very early, well formed plants, not too many side shoots. Resistance: tobacco mosaic virus race 0, 1, and 2. 1995.

Magic Red—Vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. Characteristics: mid-size fruit, 127 × 19 mm, smooth, tapered, pointed, medium hot pungency, 60 days green, 85 days red ripe, tall plants, good yield. Adaptation: wide. 1999.

Malan—Vendor: Daehnfeltd Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, dark green to red fruit, 115 × 100 mm fruit size, 3- to 4-lobes, thick walls, plants are medium strong and determinate, 71 days. Resistance: tobacco mosaic virus race. Similar: California Wonder. 1994.

Mano de Piedra (173901)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Given to red blocky bell, vigorous medium size plant, large extra deep bell with slight taper, good red quality. Resistance: BST, Races 1, 2, 3. Similar: Commandant. Adaptation: Mexico. 2000.

Mante (PS496)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: serrano, mid to early maturity, medium large plant, fruit 50 × 152 mm, medium green. Resistance: pepper mottle virus, potato virus Y, tobacco etch virus. Similar: TAM Piquero. Adaptation: Mexico.

Manzano—Vendor: The Redwood City Co. Characteristics: common *Capsicum pubescens* fruit type, bush-like growth, square 51 mm fruit, matures green to red, unique black seeds, very hot and unique, juicy flavor. 2000.

Mar Rojo (PS 241696)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: green to red blocky fruit,

vigorous medium size plant, large to extra deep, with slight taper. Resistance: bacterial leaf spot 1, 2, and 3. Adaptation: Mexico.

Maratos—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, glossy green maturing to a bright red bell pepper, dark green foliage, vigorous growing plant habit, sets well under high temperatures, fruit are very large and blocky and predominantly 4 lobed, very productive for harvesting as green fruit. Resistance: tobacco mosaic virus races 0, 1, and 2. Adaptation: Southern Europe and subtropical regions. 1995.

Maravilla (151388)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: half long green to red, sweet bell. Resistance: bacterial leaf Spot, tobacco mosaic virus. Similar: X3R Camelot. Adaptation: Australia, Mexico, Italy, Florida.

Marconi Red—Vendor: Carolina Seeds. Characteristics: sweet pepper, with 230 × 40 mm fruit, starting out light green and turning bright red, harvest in 65 days. 1999.

Maribel—Vendor: DeRuiters Seeds Inc. Characteristics: yellow Lamuyo type, tolerates hot and cold conditions, very uniform in size. Resistance: stip. 1993.

Martindale II—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, green ripening to deep red, thick-walled, sweet, 120 × 90 mm fruit size, 70 days. Adaptation: Northeastern U.S. 1997.

Martindale III—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, green ripening to deep red, thick-walled, sweet, 110 mm long fruit, 72 days. 1997.

Marvello—Vendor: DeRuiters Seeds Inc. Characteristics: blocky, yellow bell pepper, large fruit size. Resistance: stip. 1993.

Mavras—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, purple bell pepper, good yielder, thick wall, medium vigorous plant habit, very early. Resistance: tobacco mosaic virus race 0, 1, and 2. 1995.

Mayata—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, sets very well during cool temperatures, dark green ripening to bright red, thick-walled, 3- to 4-lobed, 120 × 100 mm fruit size, 71 days. Resistance: tobacco mosaic virus race. Similar: Bell Tower. 1997.

Mazurka—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: green or red harvest, growth and production are regular, excellent fruit quality. Resistance: russetting, tobacco mosaic virus (Tm0), bitter pit. Adaptation: Netherlands, Spain, Middle East, and North America. 1998.

Medeo—Vendor: DeRuiters Seeds Inc. Characteristics: blocky, green ripening to red bell pepper, medium size, early, thick walled. Resistance: tobacco mosaic virus race (Tm0), stip, russetting, and blossom end rot. 1993.

Melis—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: Kazanli type, slim, light green fruit, 200 mm long, good cold tolerance. Resistance: tobacco mosaic virus (Tm0). Adaptation: winter greenhouse cultivation. 1999.

Mexheim—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: New Mexican pod type, smooth and thick pod, mostly 2-lobed, green ripening to red, 190 × 46 mm fruit size, pungent. 1996.

Mikalor—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: Lamuyo type bell pepper, green ripening to yellow, 150 × 90 mm fruit size, early. Resistance: tobacco mosaic virus race 0. 1995.

Miki—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: Lamuyo type bell pepper, green ripening to red, thick wall, predominantly 4-lobed fruit 180 × 90 mm, strong growing plant, early. Resistance: tobacco mosaic virus race 0, 1 and 2. Adaptation: under plastic in southern Europe. 1998.

Mucho Nacho Hybrid—Vendor: Burpee. Parentage: F1 hybrid. Characteristics: jalapeño type, 100 × 10 mm fruit size, thick walled, green to red, slightly hotter than other jalapeños, exceptionally vigorous plants with very high yields, 72 days to harvest. 1999.

Nassau—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: bell pepper, orange at harvest, vigorous plant growth, medium size internodes, easy fruit set, good texture. Resistance: tobacco mosaic virus (Tm0), bitter pit. 1999.

New Comer—Vendor: Known-You Seeds. Parentage: F1 hybrid.

Characteristics: large conic fruit type, 180 × 28 mm, tapering, thick shoulder, mildly pungent, green turning bright red at maturity, plants are tall, vigorous, very prolific. 1987.

NuMex Piñata—Breeder: E. Votava and P.W. Bosland. Vendor: Renee's Garden Seeds. Parentage: spontaneous mutant from 'Early Jalapeño'. Characteristics: open pollinated jalapeño, unique fruit color transition from a light green in the immature fruit to yellow to orange and finally to red mature stages, compact, prolific, lutescent foliage. Resistance: tobacco mosaic virus race. Similar: Early Jalapeño. Adaptation: all jalapeño growing regions. HortScience 33:350. 1998.

NuMex Primavera—Breeder: P.W. Bosland and E. Votava. Vendor: New Mexico Crop Improvement Assoc. Parentage: Early Jalapeño, TAM Mild Jalapeño, and Criollo de Morelos 334. Characteristics: open pollinated jalapeño, one-tenth the pungency of standard jalapeños, 54 × 25 mm, green to red, plant 163 mm tall. Resistance: tobacco mosaic virus race. Similar: Early Jalapeño. Adaptation: southern New Mexico production area. HortScience 33:1085-1086. 1998.

Oberon (PS 7273823)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Green to red blocky bell, large to extra large, thick walls. Resistance: BST, PVY, Tobamo 3 races of bacterial spot. Similar: Paladin. Adaptation: Eastern U.S. 2000.

Orange Grande—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: good sized, 4-lobed, 140 mm square fruit, dark green matures to tangerine-orange, 76 days. Resistance: tobacco mosaic virus race. Similar: Oriole. 1997.

Oriole—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: good sized, 4-lobed, 120 mm square fruit, dark green matures to tangerine-orange, 74 days. Resistance: tobacco mosaic virus race. 1997.

Orobelle—Vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. Characteristics: dark green ripening to gold, bell pepper, medium-large size, thick-walled, 3- to 4-lobed, strong plant, good foliage cover. Resistance: tobacco mosaic virus race, potato virus Y. 1997.

Ortega—Breeder: Ortega Chile Co. Vendor: Johnny's Selected Seeds. Parentage: open pollinated; selection from Anaheim TMR 23. Characteristics: New Mexican type, 70 days, mild pungency, 160 × 50 mm fruit size, green ripening to red, tall plants. Similar: Anaheim TMR 23. 1996.

Paladin—Breeder: Steve Czaplowski. Vendor: Novartis Seeds. Parentage: F1 hybrid. Characteristics: green to red bell pepper; midseason maturity, dark-green extra-large fruit; high quality, high yielding, sweet bell pepper. Resistance: tobacco mosaic virus race, *Phytophthora capsici*. Similar: Camelot.

Papaloo—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: jalapeño type, dark green ripening to red, thick walls, 65 × 28 mm fruit size, pungent. Resistance: *Phytophthora capsici*. 1996.

Paper Dragon—Vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. Characteristics: Asian hot type, 55 days, thin wall, 175 × 22 mm fruit size, medium-hot pungency, green ripening to red. 1997.

Park's Early Thickset Hybrid Improved—Vendor: Park Seed. Characteristics: early, 45 days, bell pepper, thick-walled, 3- to 4-lobed fruit, 110 × 90 mm, foliage protects against sunscald, turns bright scarlet when mature. 1999.

Park's Pot Hybrid—Vendor: Park Seed Co. Parentage: F1 hybrid. Characteristics: small plants 250 mm tall, medium sized fruit, sweet, early, 45 days. 1997.

Park's Sweet Banana Whopper Improved Hybrid—Vendor: Park Seed. Characteristics: banana type, 65 days to harvest, vigorous plants, huge thick-walled fruit. 1999.

Passion—Vendor: Known-You Seeds. Parentage: F1 hybrid. Characteristics: Asian hot type, vigorous plants, tolerant to hot and cool temperatures, 150 × 25 mm, thick fleshed, very pungent fruit, green ripening to red. 1987.

Patella (E8611)—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, lilac colored ripening to red bell pepper, medium sized plant frame, early. Resistance: tobacco mosaic virus race 0, 1, and 2. Similar: Tequila. 1995.

Pegaso (E34520)—Breeder: Enza Zaden. Parentage: F1 hybrid.

Characteristics: Lamuyo type, green maturing to yellow. Adaptation: U.S., Mexico. 1997.

Peninsula (HMX 9646)—Breeder and vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: Intermediate to fall plant, usually 16–20" tall with continuous fruit set. Medium green fruit with thick walls. Resistance: BLS, XC 1,2,3,5,TMV. Adaptation: Florida, California Coast, Georgia and Canada. Year released: 2000.

Peto Wonder Hybrid TMV—Breeder: Petoseed Co. Vendor: Park Seed Co. and HPS. Parentage: F1 hybrid. Characteristics: elongated bell pepper tapering toward blossom end, 110 × 180 mm, dark green ripening to deep red, 4-lobed, thick-walled, 78 days, plants 685 mm tall. Resistance: tobacco mosaic virus race. 1997.

Pichi Fa-M—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: strong, tall, well branched plants, high pungency, green ripening to red, 100 × 15 mm fruit size, medium-thick walled fruit. Adaptation: tropical and subtropical areas. 1996.

Pimento, Sunnybrook (Sweet Cheese, Burpee's Sunnybrook)—Characteristics: tomato shaped, 64 × 76 mm, smooth, sweet and very mild, green maturing to red, ripens in 73 days, upright dark green plant, 711 mm plant size. Garden Seed Inventory. 1992.

Pirati—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: Lamuyo type bell pepper, green ripening to red, fruit 110 × 90 mm, continuous growth of plant, medium early, thick wall. Resistance: tobacco mosaic virus race 0, potato virus Y. Adaptation: southern Europe and subtropical areas. 1995.

Pizza Pepper (OSU 104-1-1-4)—Breeder: J. Baggett. Vendor: Territorial Seed Co. Parentage: open pollinated. Characteristics: conic pepper type, 90 mm length, wall thickness 6 mm, fruit mature from green to red, plants 40 cm tall. Similar: Apple and Lipstick, except with thicker walls. 1998.

Polka—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: compact plants, strong and vigorous, suitable for green harvest, easy fruit setting, very tasty. Resistance: tobacco mosaic virus (Tm0). Adaptation: outdoor cultivation is best. 1999.

Prairie Fire—Breeder: Ron Goebel. Vendor: Thompson and Morgan. Characteristics: small fruit, ornamental, compact plant, excellent flavor, extremely hot peppers. 2000.

Presidente (P9R item 660)—Breeder: Clause Semences. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: Lamuyo type, green maturing to red. Resistance: tobacco mosaic virus race, potato virus Y and pepper mottle virus. Adaptation: Mexico.

Pretty in Purple—Vendor: Harris Seeds and Johnny's Selected Seeds. Parentage: open pollinated. Characteristics: ornamental chile, 60 days, leaves are purple or variegated purple and green, small (6 mm) round fruit size, purple ripening to yellow, orange, and finally scarlet, purple flowers, pungent. 1996.

Prince (P19-Y)—Breeder and vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: Yellow Lamuyo Pepper. Similar: Zarco. Adaptation: New Mexico, California, and Southwest U.S. 1999.

Punto—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: vigorous, open growth habit, Dolma type pepper, thin-walled. Resistance: tobacco mosaic virus race (Tm0). Adaptation: performs well in outdoor cultivation. 1999.

Purple Beauty—Vendor: Park Seed Co. Parentage: open pollinated. Characteristics: blocky bell pepper, sturdy, compact plants, medium sized fruit, dark purple ripening to red, 4-lobed, thick-walled. 1997.

Purpleflame—Vendor: DeRuiter Seeds Inc. Characteristics: blocky, purple maturing to red bell pepper, medium fruit size, open plant habit. Resistance: tobacco mosaic virus race (Tm0), blossom end rot. 1993.

Pusa Iwala—Vendor: Daehnfeldt Seed Co. Characteristics: elongated cone, 100 to 120 mm long fruit size, thin walls, 65 days to maturity, green to red. Resistance: tobacco mosaic virus race. 1994.

Quadrato D'Oro—Vendor: Shepherd's Garden Seeds. Parentage: F1 hybrid. Characteristics: bell pepper, green ripening to rich gold, thick-walled, smooth-skinned, 70 days, crisp sweet, good foliage cover. Resistance: tobacco mosaic virus race, potato virus Y, stip. 1997.

Quantanamo—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: cubanelle type pepper, 185 mm long fruit, tapered to blunt tip, medium thick flesh, very sweet, 60 days. 1997.

Quantico (XP 12279)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Hybrid sweet pepper, green to yellow, deep blocky shape, 7 days earlier than Gold Coast, large extra large fruit, smooth and firm. Resistance: Bacterial Spot 1, 2, 3 and Tobamo Po. Adaptation: worldwide. 2000.

Queen—Breeder: Enza Zaden. Vendor: Territorial Seed Co. Parentage: F1 hybrid. Characteristics: green to orange bell pepper type, large fruit, plant has excellent leaf coverage. Resistance: tobacco mosaic virus race. 1998.

Queen Star—Vendor: Thompson and Morgan. Parentage: F1 hybrid. Characteristics: bell pepper, vigorous, early, tender flesh, very small central core, green ripens to red, 65 days. 1993.

Qutzal (PS 456796)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds/Petoseed. Parentage: F1 hybrid. Characteristics: tropical Irazu type, conical shaped sweet pepper. Resistance: potato virus Y, tobacco etch virus, tobacco mosaic virus race. Similar: Tropical Irazu.

Red Beauty—Vendor: Henry Fields. Parentage: F1 hybrid. Characteristics: green to red bell pepper, fruit 100 mm long, thick-walled. 1999.

Red Cherry, Large—Vendor: Carolina Seeds. Parentage: open pollinated. Characteristics: strong erect plants, 500 mm tall plants, 50 mm round fruit, green to red at maturity, heavy producer, 78 days, open pollinated. 1999.

Red Chili—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: Indonesian hot type, vigorous, fruit setting ability in tropical conditions, 125 × 18 mm fruit size, very pungent. Resistance: *Phytophthora capsici*. 1996.

Red Dawn—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, thick walls, green ripening to red, 3- to 4-lobed, 100 × 90 mm fruit size, 66 days. 1997.

Red Knight (PS 213896)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: large blocky bell, good red quality, early maturity. Resistance: bacterial leaf spot races 1, 2, and 3, potato virus Y. Adaptation: southeast and northeast U.S.

Red Savina—Breeder: F. Garcia. Vendor: Shepherd's Garden Seeds. Parentage: open pollinated. Characteristics: *C. chinense* cultivar, wrinkled, Chinese-lantern shaped, green ripening to dark red fruit, very high pungency, pendant fruit, 1050 mm tall plants, 100 days to harvest. PVP 9200255. 1997.

Red Start—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, thick walls, dark green ripening to red, sweet, 3- to 4-lobed, 95 mm long fruit, 65 days. 1997.

Red Sweet—Vendor: High Altitudes. Characteristics: early maturing, 60 days, small plants, fruit 102 mm with 2–3 lobes. 2000.

Red Top—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: Asian hot, 8 × 14 mm fruit size, pungent. Resistance: anthracnose. Adaptation: wide range of soils. 1996.

Red Wing—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: 3- to 4-lobed, large deep bell shaped pepper, thick-walled, 150 × 140 mm fruit size, 72 days. Resistance: tobacco mosaic virus race, potato virus Y, tobacco etch virus. 1997.

Redgold—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, green ripening to red bell pepper, strong growing plant habit, thick walls, very early. Resistance: tobacco mosaic virus race 0. 1995.

Reflex—Vendor: DeRuiter Seeds Inc. Characteristics: blocky, green ripening to red bell pepper, medium-small fruit size, short jointed plant habit, early, high specific gravity. Resistance: blossom end rot, sunscorch, tobacco mosaic virus race (Tm2). 1993.

Reinger—Vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. Characteristics: midseason dark green to red bell pepper, large elongated fruit, tall plants. Resistance: *Phytophthora blight* tolerant. 1998.

Ring of Fire—Vendor: Stokes Seed Co. Parentage: open pollinated. Characteristics: pencil thin cayenne type pepper, early, very pungent, 100 mm long, 60 days. 1997.

Robin—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: 3- to 4-lobed, deep bell shaped pepper, thick-walled, 120 × 110 mm fruit size, 72 days. 1997.

Rocket Chili—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: Asian hot type, upright fruit, vigorous growth, high pungency, green ripening to red, fruit 65 × 8 mm. Adaptation: tropical areas. 1996.

Rooster Spur—Vendor: Johnny's Selected Seeds. Parentage: open pollinated. Characteristics: very hot, 125 × 3 mm fruit size, pointed fruit, small, bushy plant, 72 days. 1996.

Sahuaro (PS 47595)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Open field and greenhouse type, vigorous plant, high yielding, good fruit quality, light green color, thick wall, pungent. Resistance: Tobamo virus. Adaptation: North Africa and Israel. 2000.

Salsa Delight Hybrid—Vendor: W. Atlee Burpee. Parentage: F1 hybrid. Characteristics: narrow cayenne type, tapered 180 mm long fruit, 12 mm wide, fruit ripens from green to red, 73 days. 1997.

Salvador (PS 456296)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: Magli type, elongated, conical fruit, green to red, thick walls. Resistance: potato virus Y. Similar: Magali R. Adaptation: Brazil.

Salvita—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: Lamuyo type, long jointed vigorous plants, medium to large fruit, grows well under cold conditions, tall plant habit, very uniform fruit, green to red harvesting. Resistance: tobacco mosaic virus race (Tm0), fruit cracking. 1999.

Samanta—Vendor: DeRuiter Seeds Inc. Characteristics: blocky, yellow bell pepper, medium fruit size, thick wall, sometimes cracked shoulder. Resistance: tobacco mosaic virus race (Tm2), russeting, blossom end rot. 1993.

Sammy—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: medium jointed plants, sets fruit in the winter, nicely shaped, uniform, white-colored fruit, 170 mm long. Resistance: tobacco mosaic virus race (Tm 0, 1, 2). 1999.

Sangrati (PS 374594)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: half-long bell pepper, sweet, green to red, excellent fruit quality, vigorous plant. Resistance: pepper mild mottle virus, tobacco etch virus, tobacco mosaic virus race. Similar: Macabi. Adaptation: Mexico, South America.

Savanne—Vendor: DeRuiter Seeds Inc. Parentage: F1 hybrid. Characteristics: blocky, yellow bell pepper, medium fruit size, slightly hairy stem, sometimes cracked shoulder. Resistance: tobacco mosaic virus race (Tm0). 1993.

Sayula—Breeder and vendor: Petoseed. Parentage: F1 hybrid. Characteristics: Mitla-type jalapeño, well-suited for fresh market and for processing. Resistance: bacterial leaf spot races 1, 2 and 3. Adaptation: wide. The Grower, Nov. 1998.

Secret—Vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. Characteristics: purple ripening to dark red, bell pepper, smooth, blocky, no pungency, high yields, medium-small fruit, 3- to 4-lobed, compact plants, early, 60 days. Resistance: tobacco mosaic virus race. 1997.

Sentry—Breeder: Rogers Seed. Vendor: Novartis Seeds. Characteristics: green to red bell pepper that produces large and extra large fruit, erect and vigorous plant frame, delivers a continuous set of very blocky dark green fruit with firm walls. Resistance: bacterial leaf spot races 1, 2, and 3. Adaptation: ideally suited for fall planting in Florida. The Grower, Nov. 1997.

Serrano Grande—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: serrano type, dark green ripening to red, medium thick walls, blunt tip, 75 × 21 mm fruit size, pungent. Resistance: *Phytophthora capsici*. 1996.

Serrano Maximo—Breeder: Hungnong Seed. Vendor: Shamrock Seed Co. Characteristics: hot serrano pepper, early maturing, glossy dark green fruit, cylindrical shape, 318 mm long fruit, suited for fresh and processing markets. Similar: open pollinated serranos. Adaptation: Mexico, southwest U.S.

Sir Galahad (PS 223796)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics:

blocky bell with large fruit size. Resistance: bacterial leaf spot, potato virus Y, tobacco mosaic virus race, stip. Similar: Enterprise. Adaptation: Florida.

Sirena—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: long slender, white colored fruit, very vigorous plants, long jointed plant habit, excellent fruit setting in the winter, 200 mm long. Resistance: tobacco mosaic virus race (0, 1, and 2). 1999.

Sitaki—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: medium jointed plant habit, high average fruit weight, good shelf life. Resistance: tobacco mosaic virus race (0, 1, and 2), russeting, blossom end rot. Adaptation: heated greenhouse production. 1999.

Sitia—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, green ripening to red bell pepper, tall vigorous plants, thick walls, excellent quality for green harvest. Resistance: tobacco mosaic virus race 0. Adaptation: heated greenhouses. 1995.

Sizzler—Vendor: Harris Seeds. Parentage: F1 hybrid. Characteristics: hot Portugal type, great appearance and yield, larger fruited and more uniform than Hot Portugal, strong, vigorous plants, 220 × 50 mm tapered peppers that turn from green to red, despite length they are high in the plant to avoid root rot, 65 days to harvest. 1999.

Sky Hot—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: Pikinu type, extremely high pungency, good uniform plant and fruit, green ripening to red, 45 × 7 mm fruit size. Adaptation: tropical areas. 1996.

Sky Line—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: fasciculated upright fruit setting, early, high pungency, green ripening to red, 75 × 12 mm fruit size. 1996.

Sky Line-2—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: fasciculated upright fruit setting, medium maturity, high pungency, green ripening to red, 65 × 10 mm fruit size. 1996.

Sky Line-3—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: fasciculated upright fruit, late maturity, high pungency, green ripening to red, 55 × 10 mm fruit size. Resistance: tobacco mosaic virus race. 1996.

Sol Real (PS 673595)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: short, half-long yellow sweet pepper. Resistance: bacterial leaf spot races 1, 2, and 3, potato virus Y, tobacco mosaic virus race. Similar: Ori. Adaptation: West Mexico.

Soni—Breeder and vendor: Vilmorin. Parentage: F1 hybrid. Characteristics: Lamuyo type bell pepper, thick-walled, green ripening to red. 1993.

Sophia—Vendor: Stokes Seed Co. Parentage: F1 hybrid, Bull Nosed Macedonia, Bulgarian sweet frying type. Characteristics: Italian frying pepper, very smooth, uniform, 200 mm long fruit, matures to bright red, thick-walled, 68 days. 1997.

Spanish Spice—Vendor: Caroline Seeds. Characteristics: dark green, thin walled fruit, 170 mm long, mild pungency, continuously set fruit throughout the growing season. 1999.

Spartacus—Vendor: DeRuiter Seeds Inc. Characteristics: blocky, green ripening to red bell pepper, large size, open plant habit. Resistance: blossom end rot, tobacco mosaic virus race (Tm0), stip, russeting. 1993.

Standon's Select—Vendor: High Altitudes. Parentage: open pollinated. Characteristics: bell pepper, green ripening to red, 102 mm fruit, matures in 64 days, 660 mm tall plants. Adaptation: Mountain regions; short seasons. 2000.

Sugar Banana—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: wax type pepper, large pendant fruit, 180 mm long, thick-walled, 2-lobed, sweet, productive, golden yellow ripens to red, 60 days. 1997.

Sugar Chile—Vendor: Johnny's. Parentage: F1 hybrid. Characteristics: New Mexican shaped chile, 60 days, thick-walled, sweet walls, mild pungency, 150 × 50 mm fruit size, green ripening to red, tapered, pointed tip, medium size plant. 1997.

Sumo Belle (FMX 1170)—Breeder and vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: Jumbo elongated blocky bell pepper with tapered end and wide shoulder. Resistance: TMV. Adaptation: Western U.S. 2000.

Sunny Star—Vendor: Known-You Seed Co. Parentage: F1 hybrid. Characteristics: improved Ruby King, long, slim fruited bell

pepper, pendant fruit, brilliant green ripening to red, tall, sturdy plants, thin, tender flesh, 160 × 60 mm fruit size. Similar: Ruby King. 1987.

Super Cayenne II Hybrid—Vendor: Park Seed Co. Parentage: F1 hybrid. Characteristics: cayenne type, green maturing to deep red, good foliage cover, 125 mm long fruit, thicker walls than Super Cayenne, 750 mm tall plants, 70 days. Resistance: tobacco mosaic virus race tolerance. 1997.

Super Chili Hybrid—Vendor: Park Seed Co. Parentage: F1 hybrid. Characteristics: ornamental, 1988 All-American Selection winner, compact plant, 60 mm long fruit, pungent, borne upright and maturing green through orange to red on 420 mm tall plants, 75 days. 1993.

Super Greygo Hybrid—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: cheese type pepper, 150 × 15 mm fruit size, matures to red, thick-fleshed, sweet flavor, strong sturdy bush, 68 days. Resistance: tobacco mosaic virus race. 1997.

Super Heavy Weight (24247)—Breeder: Jim Waltrip. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: short half long bell pepper, green to yellow with big diameter, good quality, firm, thick flesh, anthocyaninless. Resistance: potato virus Y, tobacco mosaic virus race. Similar: Matador. Adaptation: home garden.

Super Hungarian Hot—Vendor: Stokes Seed Co. Characteristics: Hungarian yellow wax type, very pungent, 200 mm long fruit, 58 days. 1997.

Super Red Pimiento—Vendor: Stokes Seed Co. Characteristics: cheese type pepper, 144 × 80 mm fruit size, green ripening to red, thick-fleshed, 70 days. Resistance: tobacco mosaic virus race. Similar: Greygo. 1997.

Super Serrano—Vendor: Johnny's Selected Seeds. Parentage: open pollinated. Characteristics: serrano type chile, 60 days, very productive, 44 × 16 mm fruit size, glossy dark green ripening to red, blunt tip, medium tall plants. 1996.

Super Set—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, early, green ripening to red, 64 days, 90 mm long fruit. 1997.

Super Shepherd—Vendor: Stokes Seed Co. Parentage: open pollinated. Characteristics: Italian sweet pepper type, green ripens to dark red, 190 mm long fruit, thick-walled, 68 days. 1997.

Super Stuff—Vendor: Stokes Seed Co. Parentage: open pollinated. Characteristics: early bell pepper, 67 days, 150 × 95 mm fruit size, 3- to 4-lobed, thick-walled, fruit ripens medium green to butter yellow to pale orange to red. 1997.

Super Sweet Banana—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: wax banana type pepper, large pendant fruit, 140 mm long, yellow ripens to dark red, sweet, 70 days. 1997.

Super Sweet Cherry—Vendor: Stokes Seed Co. Characteristics: cherry pepper, 40 mm fruit size, dark green ripening, dark cherry-red fruit, 75 days. Resistance: tobacco mosaic virus race. 1997.

Superior (174284)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Large long red pepper, cold tolerant. Resistance: PVY, Tobamo. Similar: no cultivar like it. Adaptation: South America. 2000.

Sweet Delicious—Breeder: Seminis Vegetable Seeds. Vendor: W. Atlee Burpee Co. Characteristics: an unusually tasty and large bell pepper; noticeably sweeter than any other pepper we have trialed; even in the green stage, it is sweet and mild, but fully ripe and red, this pepper has flavor and richness that is really worth waiting for; big fruit 3 inches diameter; 60 days to green, 80 days to red maturity. Adaptation: U.S. 2001.

Sweet Pickle—Vendor: Park Seed Co. Characteristics: ornamental pepper, covered with dense clusters of 50 mm oval fruit, fruit color is yellow, orange, red and purple, thick-walled, sweet, 300 mm tall plant. 1997.

Sweet Spot (PS 11996)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: sweet banana, 202 × 51 mm fruit, light yellow to red, tapered, 2–3 lobed, good for processing. Resistance: bacterial leaf spot races 1, 2, and 3. Similar: Banana Supreme. Adaptation: southeast and Northeast U.S.

Sweet Toro Hybrid—Vendor: Burpee. Parentage: F1 hybrid. Characteristics: "bull's horn" type, 72 days to harvest, 23–25 cm long, 5–7 cm wide, tapered, green to red, thick flesh, sweet and tender. 1999.

Szentesi Semi-Hot—Vendor: Stokes Seed Co. Parentage: open pollinated. Characteristics: Hungarian yellow wax type, medium pungent, pendant fruit, 110 mm long fruit, fruit ripens lime green, yellow, to orange, 60 days. 1997.

Tabasco—Breeder: McIlhenny Co. Vendor: Shepherd's Garden Seeds. Parentage: open pollinated. Characteristics: *C. frutescens* cultivar, yellow ripening to red fruit, 95 days, high pungency, unique, dry/hot smoky taste, erect fruit, 1000 mm tall plants, 35 × 8 mm fruit size. Similar: Greenleaf Tabasco. 1848.

Tandil (E4946)—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: Lamuyo type bell pepper, green ripening to yellow, 140 × 90 mm fruit size, vigorous plant growth, early. Resistance: tobacco mosaic virus race 0, 1, and 2, potato virus Y. Similar: Asimi. 1995.

Taranto—Vendor: Rijk Zwaan. Characteristics: early, highly productive, open plant habit, easy fruit setting, nice fruit shape and color. Resistance: tobacco mosaic virus race 2. Adaptation: Mediterranean areas. Seed catalog. 1999.

Tears of Fire—Vendor: Park Seed. Characteristics: 65 days to harvest, vigorous plants bear thick fleshed fruit that rate about 30,000 Scovilles, peppers mature from dark green through chocolate brown to deep red. 1999.

Tenno—Vendor: Nunhems Specialties. Parentage: F1 hybrid. Characteristics: Lamuyo fruit type, vigorous growth, mid-early cultivar, red at maturity. Resistance: tobacco mosaic virus race (P0), potato virus Y (races 0 and 1). Adaptation: cultivation in open air and in greenhouses. 2000.

Tequila—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, lilac colored ripening to medium red bell pepper, elongated pod, strong open growing plant, very early, 3- to 4-lobed fruit. Resistance: tobacco mosaic virus race 0, blossom end rot. 1995.

Thai Chili—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: small Thai type, vigorous, extremely high pungency, green ripening to red, 57 × 9 mm fruit size. Adaptation: tropical and subtropical areas. 1996.

Thai Hot—Vendor: Carolina Seeds. Characteristics: plants are very large, 500 mm tall, fruit grow upwards, and turn from green to red, extremely hot. 1999.

Thai Variegated—Breeder: Michael Hennings. Vendor: Glasshouse Works. Characteristics: cone shaped pepper, cascading habit, forms wide umbrella of white and pink splashed foliage. 2000.

Tiral (008 541)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: long red, tapered, Marconi type, vigorous plant, good thickness and storability. Resistance: tobacco mosaic virus race (PO, 1 and 2), potato virus Y. Adaptation: Caribbean. Similar: Giant Marconi. 1999.

Tirano (PS 337591)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: blocky, green to red bell pepper, excellent foliage cover. Resistance: potato virus Y, tobacco mosaic virus race. Similar: Bell Boy. Adaptation: Chile, Argentina, Venezuela, Colombia. 1999.

Torito—Vendor: DeRuiter Seeds Inc. Characteristics: slender, pointed fruit and very hot, 120 to 150 mm long, vigorous plant growth, dark green foliage. Resistance: tobacco mosaic virus race (Tm0). 1993.

Torreon (PS 16396)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: F1 hybrid, hot jalapeño, dark green, cylindrical fruit. Resistance: tobacco mosaic virus race, pepper mottle, potato virus Y, tobacco etch virus. Similar: Mitla. Adaptation: Southwest U.S., Mexico.

Toscana—Vendor: DeRuiter Seeds Inc. Characteristics: green ripening to red, thin walled, half long bell pepper, fruit 200 mm × 50 mm tapered, jointed, open plant habit, very good fruit set under lower night temperatures, non-pungent. Resistance: tobacco mosaic virus race (Tm0). Adaptation: Mediterranean areas. 1993.

Treasures Red—Vendor: Park Seed Co. Parentage: F1 hybrid. Characteristics: ornamental, 127 mm compact plant, produce deep

green leaves, with upright fruit, that mature from white to red. Seed Catalog, 1987.

Tula (PS204589)—Breeder and vendor: Petoseed Co. Parentage: F1 hybrid. Characteristics: jalapeño, very pungent, large fruit size, concentrated heavy yields, green to red fruit. Resistance: potato virus Y. 1996.

Turino Sweet Pepper—Vendor: Nichols Garden Nursery. Parentage: F1 hybrid. Characteristics: 55 days to green harvest/75 days to red, sweet, thick-walled, deeply tapered fruit, measure 165 × 101 mm. 2000.

Tuxtla (PS 296)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: serrano type, larger fruit than standard serrano, 70 × 19 mm, very productive. Resistance: tobacco etch virus, potato virus Y, pepper mottle virus. Similar: Huasteco. Adaptation: Mexico.

Twist Sweet—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: early, sets well under low temperatures, green ripening to red, 75 × 17 mm fruit size. 1996.

Ultra Set—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: apple-bell pepper, extra thick walls, medium green ripening to blood red, medium sized, 90 mm long fruit. 1997.

Uranus—Vendor: Known-You Seed Co. Parentage: F1 hybrid. Characteristics: large fruited bell pepper, pendant fruit, brilliant green ripening to red, tall, vigorous plants, thin, tender flesh, 150 × 70 mm fruit size. Resistance: tobacco mosaic virus race (Tm0). 1987.

Valencia—Vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. Characteristics: green ripening to orange, bell pepper, 114 mm size fruit, matures in 72 days, medium-tall plant, good foliage cover. Resistance: tobacco mosaic virus race. 1997.

Vanguard—Vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. Characteristics: midseason green to red bell pepper, 3- to 4-lobed, medium-large sized fruit, strong plant, good foliage cover, thick walled. Resistance: tobacco mosaic virus race. Similar: King Arthur, Northstar. 1998.

Viceroy (P2R item 659)—Breeder: Clause Semences. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: Lamuyo type bell pepper, green to red. Resistance: tobacco mosaic virus race. Adaptation: Mexico.

White Fire—Vendor: Stokes Seed Co. Characteristics: Hungarian yellow wax type, very pungent, creamy conical fruit, thick-walled, 90 mm long fruit, 62 days. 1997.

Whiteflame—Vendor: DeRuiter Seeds Inc. Characteristics: blocky, greenish white and maturing to red bell pepper, medium fruit size, normal jointed. 1993.

Wonder Hot—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: Asian hot type, vigorous, strong stem, dark green leaves, green ripening to red, pungent, 135 × 15 mm fruit size, early, pendant fruit. Resistance: *Phytophthora capsici* and tobacco mosaic virus race. 1996.

X3R Camelot—Breeder: Petoseed Co. Vendor: Johnny's Selected Seeds and Stokes Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper suitable for main and late season harvest, medium-large 3- to 4-lobed fruit, 110 × 100 mm size, thick-walled, smaller than Camelot, upright plants with concentrated fruit set, maturity 75 days. Resistance: tobacco mosaic virus, bacterial leaf spot races 1, 2, and 3. Similar: Camelot. 1997.

X3R Wizard—Breeder and vendor: Petoseed. Parentage: F1 hybrid. Characteristics: midseason green to red bell pepper that produces uniform large and extra large blocky dark green fruit with thick walls. Resistance: bacterial leaf spot races 1, 2, and 3. Adaptation: wide. The Grower, Nov. 1997.

Yanka—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: very vigorous plants, with an open growing habit, excellent fruit set, even under difficult circumstances, suitable for winter production, long slender fruit are white and turn red at maturity. Resistance: tobacco mosaic virus race (Tm0). Seed catalog. 1999.

Yankee Bell—Vendor: Johnny's Selected Seeds. Parentage: open pollinated. Characteristics: blocky, green ripening to red bell pepper, 3- to 4-lobed, medium sized fruit, strongly branched plants, good foliage cover, thick wall, 60 days. 1997.

Yellow Belle—Vendor: Stokes Seed Co. Parentage: open pollinated. Characteristics: very early bell pepper, 65 days, 80 × 90 mm fruit size, 3- to 4-lobed, medium green ripens to golden yellow then red. 1997.

Yellow Cayenne Hybrid—Vendor: W. Atlee Burpee. Characteristics: Pungent "goat's horn" type, fruit 200 mm long and 20 mm wide, plant 700 mm high, fruit yellowish green to rosy yellow to dark red, 70 days. 1997.

Yellow Fame—Vendor: Johnny's. Characteristics: bell pepper type, 90 days yellow ripe, medium size, thick-walled, 3-4 lobed, blocky fruit, sweet taste. Resistance: tobacco mosaic virus race (Tm0). 2000.

Zafiro—Vendor: Rijk Zwaan. Parentage: F1 hybrid. Characteristics: short-jointed cultivar gives regular growth and high total yields, good fruit setting, thick-walled, good for green and red harvest. Resistance: tobacco mosaic virus race (Tm0), bitter pit. Seed catalog. 1999.

Zorro—Vendor: Enza Zaden B.V. Parentage: F1 hybrid. Characteristics: blocky, purple bell pepper, long, open plant habit, early. Resistance: tobacco mosaic virus race 0, 1, and 2. Similar: Mavras. 1995.

POTATO

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AC Blue Pride (N1522-8)—Breeder: K.G. Proudfoot, Agr. Canada, Newfoundland. Vendor: Provincial Government Seed Farm, Glenwood, Newfoundland. Parentage: N713-16 × N889-78-3. Characteristics: medium high yield of long, blue-purple tubers; midseason maturity, good for tablestock. Resistance: Potato Wart Disease. Adaptation: Newfoundland conditions.

AC Pink Pearl (SJ62.26-9)—Breeder: K.G. Proudfoot, Agr. Canada, Newfoundland. Vendor: Provincial Government Seed Farm, Glenwood, Newfoundland. Parentage: Ultimus × Katahdin. Characteristics: high yield of numerous oval pink skinned tubers; very late maturity; good for tablestock; long dormancy. Resistance: Potato Wart Disease. Adaptation: Newfoundland conditions.

PUMPKIN

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Aspen—Breeder: Hollar. Vendor: Willhite. Parentage: F1 hybrid. Characteristics: vigorous, semi-bush vine; large fruited, 20 lb., rich orange color; large, sturdy handles; stores and ships well. 1992.

Atlantic Giant—Vendor: Willhite. Characteristics: large "contest" pumpkin commonly weighing 50–100 lb., but can weight much more; pinkish or orange fruit; 115 days.

Autumn King (RWS5668)—Breeder and vendor: Seeds By Design. Characteristics: 25 lb., jack-o'-lantern class, very dark orange color, strong handles. American Vegetable Grower, 1999.

Baby Pam—Breeder: Seedway. Characteristics: uniform, 5 × 5" fruit; deep orange, smooth rind; deep orange flesh, good for pies and as ornamental; long, sturdy handles; vigorous vines produce a dozen or more quality fruit per plant; 100 days.

Early Autumn—Breeder and vendor: Rogers Seed. Characteristics: round, medium orange fruit; can be harvested early or in full midseason when it weighs 12 lb. American Vegetable Grower, 1996.

Early Buckskin (PS 971676)—Breeder: John Bill. Vendor: Seminis Vegetable Seeds, Petoseed Brand. Characteristics: open pollinated, large vine, early maturing, buff color, 11 lb. fruit with fine texture and dark orange flesh. Similar: Buckskin. Adaptation: processor, U.S. 1998.

Fairy Tale—Vendor: Rupp Seeds. Characteristics: hybrid; 30–80

lb. fruit, unique orange-brown skin, unique shape and flavor, 100 days.

First Prize—Vendor: Liberty Seed. Characteristics: contest-size; bright orange 80–300 lb. fruit; 120 days. 2000.

Frosty—Vendor: Twilley Seeds. Characteristics: hybrid; bright orange, 10" diameter fruit; bush habit; ships and stores well. Twilley Catalog, 1992.

Gold Fever—Breeder and vendor: Rupp Seeds. Characteristics: shipping pumpkin, ideal for store trade, 15–18 lb. fruit, exceptional handles, fine orange color. American Vegetable Grower, Dec 1998.

Gold Keeper—Breeder: Petoseed. Characteristics: orange-red processing pumpkin; high soluble solids; oblate shape; viny; 90–100 days.

Gold Rush—Breeder and vendor: Rupp Seeds. Characteristics: large, deep orange, thick-walled, globe shaped 30–40 lb. fruit; large and thick handles; large vine; 100 days. PVP. 1998.

Gold Standard—Breeder and vendor: Rupp Seeds. Characteristics: shipping pumpkin; produces large 15–18 lb. fruit and tonnage per acre; excellent handles and orange color. American Vegetable Grower, Dec 1998.

Gold Strike—Breeder and vendor: Rupp Seeds. Characteristics: hybrid; large yields, large uniform fruit, dark golden color, good handles, weighs about 10% more than Howden; 105 days. Adaptation: handles stress conditions. 1998.

Gremlin—Breeder and vendor: Liberty Seed. Characteristics: ornamental pumpkin or for small Halloweeners; 5 × 5.5"; superior yields; strong handles hold up to bulk shipping; 100 days. Similar: Baby Pam. 1999.

Howdy Doody—Breeder: Seeds By Design. Characteristics: hybrid; mid-size, dark orange, 17–20 lb. fruit; thick flesh; semi-vine plant; 115 days. 1999.

Hybrid Pam—Breeder and vendor: Speedway. Characteristics: very deep burnt orange, 5–7 lb. fruit; long, dark green handles; semi-vine plant; 90 days. 1998.

Jack B Quick—Breeder and vendor: Rupp Seeds. Characteristics: miniature pumpkin, taller, darker orange, more ribbed than Jack B Little.

Jack of All Trades—Vendor: Liberty Seed. Characteristics: hybrid; dark orange, 9–12 lb. fruit; excellent handles, smooth with sutures; very vigorous semi-bush plant; 90 days.

Jumpin Jack—Breeder and vendor: Rupp Seeds. Characteristics: open pollinated; tall, 35–50 lb. fruit; deep orange color, rough skin; 100 days.

Kakai—Breeder and vendor: Johnny's Selected Seeds. Parentage: open pollinated. 2000.

Lil' Goblin—Breeder and vendor: Harris Moran. Characteristics: hybrid miniature; round, slightly ribbed, 1–2 lb. fruit; true pumpkin look and shape; semi-bush. Resistance: precocious yellow gene allows for early color and tolerance to virus. 1999.

Lil' Ironsides (HMX4696)—Breeder: Ted Superak. Vendor: Harris Moran Seed Co. Characteristics: hybrid; dense, viny bush; small orange fruit, 4" tall × 6" wide, 2 lb.; thick, hard shell gives excellent shelf life. Resistance: Fusarium and Phytophthora fruit rots. Adaptation: wide. American Vegetable Grower, Dec 1999.

Lil' Pump-ke-mon (HMX 6684)—Breeder: Ted Superak. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: mini size, flat shape, 4 × 2", white with thin green stripes which turn orange, very stocky bush plant. Similar: no cultivar like it. Adaptation: all pumpkin growing areas. 2000.

Longface—Breeder: Seneca (Robson). Characteristics: distinctive elongated vertical shape; 20–30 lb. fruit; compact semi-bush plant; excellent yields; 95 days. Seed and Crops Digest, Jan 1997.

Magic—Breeder: Seneca (Robson). Characteristics: hybrid; 20–30 lb. fruit produced on a semi-bush plant; classic Howden-shaped fruit; more uniform fruit size and stress tolerance than Howden; 100 days. Seed and Crops Digest, Jan 1997.

Magic Lantern (HMX5683)—Breeder: Ted Superak. Vendor: Harris Moran Seed Co. Characteristics: hybrid; semi-vine; dark orange, medium ribbing, large dark green fruit stem; round, 18 lb. fruit. Resistance: powdery mildew. Similar: Wizard. American Vegetable Grower, Dec 1998.

Mammoth Gold—Breeder: Rupp Seeds. Vendor: Willhite Seed. Characteristics: open pollinated; 20–25 lb., nearly round, smooth, faintly ribbed, golden orange fruit; used for novelty and pies. Willhite Seed Catalog, 1994.

Merlin (HMX5680)—Breeder: Ted Superak. Vendor: Harris Moran Seed Co. Characteristics: hybrid; semi-vine; dark orange fruit, dark green and large fruit stem, 12 × 14", 22 lb. Resistance: powdery mildew. American Vegetable Grower, 2000. 1999.

Munchkin—Breeder and vendor: Harris Moran Seed. Characteristics: early; flattened and ribbed fruit, 2–3" diameter, medium light orange color; suited for arrangements and fall decorations. 1994.

Mystic (HMX 5680)—Breeder and vendor: Harris Moran Seed. Characteristics: hybrid; dark orange exterior, thick walls, uniform size and shape; thick handles with good attachment; 15–25 lb., 14" tall × 12" wide. Resistance: powdery mildew. 1998.

Mystic Plus (HMX 6688)—Breeder: Ted Superak. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: small size, slightly flat, 8 × 6", 5 to 7 lb., dark orange color, thick, large handles. Resistance: powdery mildew. Similar: Mystic. Adaptation: all pumpkin growing areas. 1999.

New England Pie (JS strain)—Vendor: Johnny's Selected Seed. Characteristics: traditional, open pollinated, pie pumpkin; 4–7 lb. fruit, dark, orange skin; orange flesh is relatively starchy, dry and stringless; 105 days.

Orange Smoothie (PS SVNH 660)—Breeder: Jim Waldrop. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: small pumpkin, bright yellow color exterior, 8–10" diameter, smooth to be painted on. Similar: no cultivar like it. Adaptation: home garden. 2000.

Pam—Breeder and vendor: Seedway. Characteristics: hybrid, ornamental type, 6–7 lb. fruit, burnt orange color, strong handles, ideal for school tours, painting or pie making, semi-bush plant, 90 days. American Vegetable Grower, Dec. 1998.

Phantom (PS 159004)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seed, Petoseed Brand. Characteristics: hybrid; Howden type; large, uniform fruit; dark orange rind; strong vine, strong fruit handle. Similar: Howden. Adaptation: northeastern and northwestern U.S. 1999.

Pick-a-Pie—Breeder and vendor: Rupp Seeds. Characteristics: high yielding pie pumpkin, orange color, sturdy handles, 4 to 6 lb. fruit; excellent for school trade. American Vegetable Grower, Dec. 1998.

Prizewinner—Breeder and vendor: Harris Moran Seed. Characteristics: hybrid; round to deep round; reddish orange skin color; used for "contest" size, 80–120 lb. fruit; late. Harris Moran Seed Co. Product Listing Booklet, 1994.

ProGold #300—Breeder and vendor: Abbott and Cobb. Characteristics: hybrid; exceptionally smooth, 16–20 lb. fruit; medium orange color, very sturdy, strong handles; vigorous, nearly full-bush plants; one week earlier than #500 and #510; 88 days. 1998.

ProGold #500—Breeder and vendor: Abbott and Cobb. Characteristics: hybrid; bright orange, nearly round, medium deep ribbed, 12–14" diameter, 18–22 lb. fruit; 95 days. 1992.

ProGold #510—Breeder and vendor: Abbott and Cobb. Characteristics: hybrid; deep round to tall fruit of the Howden type; deep orange, deep ribs, 14–16" diameter, 22–26 lb. fruit; 95 days. 1992.

Racer—Breeder and vendor: Johnny's Selected Seeds. Parentage: from U of NH and Johnny's Selected. Characteristics: hybrid, mid-size jack-o-lantern type; blocky, heavy, 12–18 lb., ribbed, dark orange, big handles; vigorous, short vine; 85 days. 1998.

Robusta (PS 9007)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seed, Petoseed Brand. Characteristics: hybrid, round shape, 1.8–2.0 kg, slightly flat on top and bottom, dark green color, ribbed, thick flesh, good for storage and shipment. Adaptation: Brazil, Argentina. 1998.

Rocket—Breeder: Johnny's Selected Seeds. Characteristics: medium-size, 12–12 lb. fruit; distinctive shoulder ribbing; long, strong, green handles; brilliant orange color; 95 days. 1996.

Rockstar—Breeder and vendor: Johnny's Selected Seeds. Parentage: F1 hybrid. 2000.

Rouge Vif d'Estampes (same as Cinderella)—Vendor: Johnny's Selected Seeds. Characteristics: bright red, open pollinated, French

cultivar for fall displays and pies; flat, 10–15 lb. fruit; moderately orange flesh; 115 days.

Schooltime (XP 1853)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: medium size class, 8–10 lb., dark orange in color and dark green handle. Resistance: none claimed. Similar: Spirit. Adaptation: northeast U.S. 2001.

Small Sugar—Breeder: Rupp Seeds. Vendor: Willhite Seed. Characteristics: open pollinated; famous for making pies; round fruit, 6–8 lb., flattened at ends, hard rind, smooth, deep orange, somewhat ribbed; flesh thick, sweet and dry; bright orange color. Willhite Catalog, 1994.

Sorcerer (HMX 4694)—Breeder: Ted Superak. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: medium to large fruit about 25 cm round and 7 kg, very dark orange fruit, large dark green handles, distinct ribs, semi-vine. Similar: Wizard. Adaptation: all pumpkin growing areas. 2000.

Sugar Treat—Breeder and vendor: Rupp Seeds. Characteristics: hybrid, semi-bush plant; bright color.

Sweetie Pie—Vendor: Stokes. Characteristics: open pollinated, 0.25 lb. fruit, flat, deep ribs, orange color, 20–40 fruit per plant; 90 days.

Thomas Halloween—Breeder: Agway. Vendor: Rupp Seeds. Characteristics: open pollinated jack-o-lantern type pumpkin; 16–20 lb. fruit; bright to dark orange color; ribbed; good for carving; 90 days. 1971.

Touch of Autumn PMT (RWS 6260)—Breeder and vendor: Seeds By Design. Characteristics: compact vines, 2–3 lb., deep orange flesh. Resistance: powdery mildew. American Vegetable Grower, Dec. 1999.

Trax Field—Vendor: Seedway. Characteristics: medium-large round fruit matures to about 25 lb. in 100 days, hard shell, deep orange, slightly ribbed, dark green stems.

Trickster—Vendor: Seedway. Characteristics: hybrid pie or decoration pumpkin; rich, deep orange skin; 3–4 lb., 6" diameter fruit; compact plant type; 90 days.

Valenciano—Breeder and vendor: Johnny's Selected Seeds. Characteristics: open pollinated, snow-white rind, developed for great taste, 12–18 lb. American Vegetable Grower, Dec. 1998.

Wee-B-Little (RWS 5604)—Breeder and vendor: Novartis Seeds. Characteristics: open pollinated, small "mini-pumpkin," 3 × 3.75"; excellent fruit uniformity, excellent handle strength; AAS 1999 winner. Adaptation: wide. PVP. 1998.

RADISH

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Ball Cross—Breeder and Vendor: Takii. Characteristics: giant ball type with green neck, 15–16 cm diameter, 60-day maturity, late fall crop. Resistance: high tolerance to viruses, strong heat and cold tolerance.

Black Spanish Round—Vendor: Ornamental Edibles. Characteristics: large 3–4" deep black skinned globe with a crisp pure white interior and relatively mild flavor. 53–80 day maturity.

Brightest Breakfast—Vendor: Heirloom Seeds. Characteristics: scarlet red with white tip, mild and sweet, oblong, 1 1/2 to 2", 28 days.

Ceres—Vendor: Enza Zaden. Characteristics: easy and fast growing cultivar, excellent deep red color with strong green top foliage and strong cotyledons. Adaptation: winter sowing.

Champion—Vendor: Various. Characteristics: Vigorous, large tops, deep scarlet, globe-shaped, very firm and stands well without becoming pithy, 20–25 day maturity. Good shipper. Similar: Crimson Giant.

Cherry Belle—Vendor: Various. Characteristics: AAS Winner, bright cherry red, round to globe-shaped, flesh is crystal white, crisp, and mild, with short tops, earlier than Comet, widely used for bunching and forcing.

Cherry Bomb—Breeder and Vendor: Burpee. Characteristics: uniform, deep red round roots, outstanding flavor; not pithy. Resistance: Heat tolerant. 1999.

China Rose Winter—Vendor: Pennington Seed, Inc. Characteristics: half long stump, deep rose skin, white flesh, storage cultivar for home garden and market, plant in July or August for harvest before first frost, 58 day maturity.

Comet—Vendor: Various. Characteristics: round, flesh stays firm and crisp in late spring, early, for main crop and mid-summer planting, 25-day maturity.

Content—Breeder and Vendor: Enza Zaden. Characteristics: very uniform hybrid, fast root formation with strong, dark green and long-keeping tops for bunching. Resistance: strong resistance to sponginess. Adaptation: late summer through spring in glasshouses and tunnels.

Crimson Giant—Vendor: Various. Characteristics: tall top, crimson to scarlet skinned, 1 1/2" globe to top-shaped roots, tender, crisp, and mild.

Crunchy Royale (SRA4504)—Breeder and vendor: Sakata Seed. Characteristics: Crunchy Red type hybrid, round, bright red, medium tall tops, extremely uniform, ideal for bunching. Adaptation: spring or fall harvest.

D'avignon—Vendor: Johnny's Select Seeds. Characteristics: French cultivar, 3–4" long, slender, about 1/2 red, white tip, tapered to a point, medium tops.

Early Scarlet Globe—Vendor: Various. Characteristics: bright red skin, white flesh, deep globe, fine grained, crisp and tender, 1" diameter, 20–28 days, plant in spring or fall.

18 Day—Vendor: Gourmet Gardener. Characteristics: old OP with red roots and white tips, 18 days; imported from France.

Everest—Breeder and Vendor: Takii. Characteristics: tropical Chinese radish, early white neck type, late pithiness, high yielder, 55 day maturity, 35 cm long × 6 cm diameter. Resistance: high heat tolerance. Adaptation: all year round in sub-tropical and tropical areas, not suitable for spring sowing in cool areas.

Flamivil—Vendor: Various. Characteristics: predecessor of Fluo, French breakfast type; exhibits OP characteristics; cylindrical, 3" long, brilliant red with a frosty white tip; juicy, crisp, sweet, heirloom; 25 day maturity.

Flavorful (41507)—Breeder and vendor: Enza Zaden. 1997.

Florent—Breeder and vendor: Enza Zaden. Characteristics: hybrid with uniform root shape, deep red color, and fine taproot. Adaptation: spring and summer culture in both glasshouses and outdoor. Resistance: scab.

Flyer—Breeder and vendor: Enza Zaden. Characteristics: early, uniform hybrid, intense color and very fine taproot. Resistance: sponginess and splitting. Adaptation: autumn sowing in glasshouses and tunnels.

French Breakfast—Vendor: various. Characteristics: blunt oblong, 1 1/2 × 1/2" red roots shading to white at tip, crisp, white flesh, mildly pungent, great for home garden, does not store well, 24 day maturity.

French Dressing—Breeder and vendor: Burpee. Characteristics: French-type, medium-size, uniform scarlet red tops and white tips, 2" long × 1/2" wide. 1999.

Fures—Vendor: Enza Zaden. Characteristics: very uniform round red shape with large, dark green leaves. Resistance: Fusarium oxysporum.

Galahad—Vendor: Stokes. Characteristics: medium top version of Saxafire, dark green tops excellent for bunching, 20-day maturity; tolerant to color loss when washed. Resistance: same tolerance to Club Root as Saxafire.

Gloriette—Breeder and vendor: Sakata. Characteristics: Scarlet Knight type hybrid with large roots, slow in becoming pithy, almost free from cracking. Resistance: tolerant to fusarium yellows. Adaptation: spring outdoor crop.

Green Meat—Breeder and vendor: Takii. Characteristics: green flesh, crisp and sweet, deep green neck, 20–25 cm long, 6–8 cm diameter, 60 day maturity.

Hailstone—Vendor: Mountain Valley Seed Co. Characteristics: 1 1/2" globe with pure-white skin and crisp, firm flesh, 25 day maturity.

Hercules—Breeder and vendor: Enza Zaden. Characteristics: round, deep-red, uniform hybrid with excellent quality, strong, dark green and large tops. Resistance: sponginess and glassiness. Adaptation: Autumn and spring sowing in glasshouses and tunnels.

Jumbo Scarlet—Breeder and vendor: Takii. Characteristics: large, round, bright scarlet skin, pure white flesh with little pungency, late spring to summer sowing.

Long Black Spanish Heirloom—Breeder and vendor: Burpee. Characteristics: black skin, 7–10" long, juicy and pure white inside, 60 days.

Long Scarlet Cincinnati—Vendor: West Coast Seeds. Characteristics: 6" long, red tapered roots, tall tops, 28 days.

Misato Green—Breeder and vendor: Sakata Seed America. Characteristics: Chinese type, cylindrical shaped stump root, 20–35 cm long × 6 cm diameter, 2/3 green interior and exterior, 1/3 white interior and exterior, very fine grained, starchy sweet textured with less moisture, excellent storage, small, short tops, good for eating and pickling, autumn to winter cropping.

Misato Red—Breeder and vendor: Sakata Seed America. Characteristics: Chinese type, large roots about 13 cm in diameter, solid, fine-textured flesh, good storage, late pithiness, tough and easy to grow, 60 day maturity. Adaptation: autumn cropping in temperate zones.

Misato Rose Flesh—Breeder and vendor: Sakata Seed America. Characteristics: Chinese type, turnip shaped roots about 10 cm in diameter, upper half above ground shows light green, lower half under ground is pure white, tender, sweet, pinkish-red flesh lined radially from the center, small, few, turnip-leafed tops, excellent cold tolerance, autumn to winter cropping.

Mister Red (PS91703)—Breeder and vendor: Seminis Vegetable Seeds. Characteristics: Fireball type hybrid, oval, globe, strong red color, short top, early spring to late fall planting. Resistance: Fusarium tolerant. 1998.

Nero Tondo (Black Spanish)—Vendor: Johnny's Select Seeds. Characteristics: Black Spanish type, more uniform and bolt resistant, large 2–4" black-skinned roots with crisp, hot, white flesh, 50 days, sow spring through fall. Adaptation: not recommended for spring planting in muck soils.

Notre Dame (41801)—Breeder and vendor: Enza Zaden. 1997.

Novired—Vendor: Gourmet Gardener. Characteristics: bright red, 1" round, juicy, crisp texture, tender flesh, early maturing, 21 days; imported from France.

Okura Cross—Breeder and vendor: Sakata Seed America. Characteristics: cylindrical with a pinched tip, stump-rooted, mild, crisp, late pithiness, 65 day maturity, fall crop, winter in warm areas. Resistance: tolerant to soft rot.

Parat Sperling (German Giant)—Vendor: Seeds of Change. Characteristics: large, round, scarlet red, tender-crisp flavor; will not split, become woody or spongy; harvest small or baseball sized, 40 days.

Petit Dejeuner—Vendor: Renee's Garden Seeds. Characteristics: mix of two French cultivars includes round and cylindrical roots, upper 2/3 bright cherry-red with white tips, refined shape, juicy, tender-crisp mild flesh. Adaptation: wide.

Pink Ball—Breeder and vendor: Hungnong. Characteristics: round, bright pink skin, pure white flesh, high starch, late pithiness. Resistance: tolerant to summer heat, sudden low temperature, and viruses.

Rebel—Breeder and vendor: Bejo Seeds Inc. Characteristics: round, bright red, medium top, excellent uniformity, good tolerance to pithiness. 1994.

Red Beret—Vendor: Johnny's Select Seeds. Characteristics: big, round, red, long-standing, 2" or more diameter, large tops, crisp, late pithiness; improvement on Champion.

Red Flame—Vendor: Park Seed. Characteristics: 3" long, cylindrical, French Breakfast type, bright red with white tip, 24 days.

Red Fortress (HMX9768)—Breeder: Steve Magnusson. Vendor: Harris Moran Seed Co. Characteristics: bright red skin, solid interior. Resistance: root rot complex of Michigan muck soils.

Red Meat—Breeder and vendor: Takii. Characteristics: deep green necks, red flesh, ball shaped, 8-cm diameter, fall to winter harvest, 60-day maturity.

Red Prince—Breeder: University of Wisconsin, Madison. Vendor: various. Characteristics: Short Top Scarlet Globe type, short tops and round bright red roots. Resistance: Fusarium wilt.

Reggae—Breeder and vendor: Bejo Seeds Inc. Characteristics: large, round, scarlet red, uniform, tall top. 1995.

Rond Rose a Bout Blanc—Vendor: Gourmet Gardener. Characteristics: round, bright pink with white tip, 24 days; imported from France.

Rudolf (1837)—Breeder and vendor: Bejo Seeds Inc. Characteristics: early maturing short top, round, bright red roots. 1997.

Sakurajima Mammoth—Breeder and vendor: Takii. Characteristics: giant, pure white, globe shaped, late maturity, good for winter crop in warm areas.

Salad Rose—Breeder and vendor: Burpee. Characteristics: from Russia, rosy pink, 8" long, use young leaves for salad and stir fries, fall crop.

Scarlet Globe—Vendor: Pennington Seed Inc. Characteristics: medium small bunching cultivar, olive-shaped, bright scarlet root, crisp, mild, white flesh, cool season.

Shunkyo Semi-Long—Vendor: Johnny's Select Seeds. Characteristics: 4–5" long, extra-crisp, cylindrical, deep pink roots with crisp, nutty, white flesh, hot and unusually sweet, smooth, lobeless foliage with rhubarb-pink stems are edible in salads, slow bolting, sown throughout the year, 32 days.

Sparkler—Vendor: various. Characteristics: round, bright red top, white tip, white, mild flesh, 25-day maturity.

Sunshine (41600)—Breeder and vendor: Enza Zaden. Parentage: F1 hybrid.

Taebaek—Vendor: Siegers Seed Co. Characteristics: Oriental type, elongated globe, bright green top half, tall top, very firm flesh. Resistance: BSR, DMT.

Tarzan (E 1835)—Breeder and Vendor: Enza Zaden. Characteristics: hybrid, uniform and quick root formation, round with deep rich red color and good keeping ability. Adaptation: winter and spring sowing in glasshouses and tunnels. 1990.

Trespa (E 560)—Breeder and vendor: Enza Zaden. Characteristics: fast-growing hybrid with round root of deep red color, excellent interior quality, good top foliage. Adaptation: autumn sowing in glasshouses and tunnels. 1990.

Tricolor—Breeder and vendor: Hungnong. Characteristics: ball shape formed above ground, light green skin, bright pink flesh, sweet, juicy, high in starch, dark green foliage. Resistance: tolerates low temperatures very well.

Valentine—Vendor: Stokes. Characteristics: round, green and white for salads, red interior at maturity, 25-day maturity.

White Icicle—Vendor: various. Characteristics: slender tapered root 4–6" long, crisp, mild, white flesh, snow white roots, grow like carrots, 28–30 day maturity.

RADISH—DAIKON

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Ball Cross—Breeder and Vendor: Takii. Characteristics: giant ball type with green neck, 15–16 cm diameter, 60-day maturity, late fall crop. Resistance: high tolerance to viruses, strong heat and cold tolerance.

California Mammoth White—Vendor: West Coast Seeds. Characteristics: fine, white, crisp, 8" long × 2" wide, mild flavor, 60 days.

Daikon Long White—Vendor: various. Characteristics: oriental type, 8"–1' long and 3" across shoulders, cylindrical to slightly tapered,

crisp white flesh, very mild, sweet flavor, 50–55 day maturity, autumn/winter cropping.

Everest—Breeder and vendor: Takii. Characteristics: tropical Chinese radish, early white neck type, late pithiness, high yielder, 55 day maturity, 35 cm long × 6 cm diameter. Resistance: high heat tolerance. Adaptation: all year round in sub-tropical and tropical areas, not suitable for spring sowing in cool areas.

Mino Summer Cross F-R—Breeder and vendor: Sakata Seed America. Characteristics: white neck, 45-cm long, 6-cm diameter, medium pithiness, 45-day maturity. Resistance: takes heat, Fusarium yellow and soft rot tolerant. Adaptation: summer and autumn plantings in temperate zones, tropics and sub-tropics in warmer seasons.

Miura Cross—Breeder and vendor: Sakata Seed America. Characteristics: smooth, white-skinned, sweet flesh, late pithiness, 38-cm long, uniform, 90-day maturity. Resistance: good cold tolerance, virus resistant. Adaptation: September sowing in mild winter areas, August sowing in severe cold areas.

Miyashige—Vendor: Johnny's Select Seeds. Characteristics: long, cylindrical white root with pale green band near crown, good for pickling and storage, July or early August sowing (bolts from spring seeding), 50 days.

Okura Cross—Breeder and vendor: Sakata Seed America. Characteristics: cylindrical with a pinched tip, stump-rooted, mild, crisp, late pithiness, 65 day maturity, fall crop, winter in warm areas. Resistance: tolerant to soft rot.

Spring Light—Vendor: West Coast Seeds. Characteristics: smooth skin, never cracked or rough, 5–7" long, firm white interior, not pithy, not hot, 50 days.

Spring Song—Vendor: Johnny's Select Seeds. Characteristics: hybrid, bolt resistant, long smooth, tapered white roots, winter through spring planting, 60 days.

Tama Winter—Breeder and Vendor: Takii. Characteristics: cylindrical, white neck type, 48 cm long × 8 cm diameter, 70-day maturity. Resistance: high tolerance to viruses, high cold tolerance. Adaptation: good for winter crop.

Tsukushi-Spring Cross—Vendor: Sakata Seed America. Characteristics: half-long, dense texture, slow bolting, clean bright flavor, green shoulder. Resistance: virus, black rot, and soft rot. Adaptation: heavier or shallow soils.

RHUBARB

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Canada Red—Vendor: St. Lawrence Nurseries. Characteristics: introduced in Canada; very popular cultivar; stems shorter and more slender than many seedling types, but very tender with high quality and good red color.

Cherry Red—Vendor: Gurney's. Characteristics: cherry-red color and tart taste with oversized stalks.

Chipman's Canadian Red—Vendor: Gurney's. Characteristics: bright red color that holds up after cooking, sweeter than most cultivars, dependable yields.

Crimson Red—Vendor: Gurney's. Characteristics: one of the best cultivars for flavor, tall stalks, dependable producer.

Glaskin's Perpetual—Vendor: Seeds-by-Size. Characteristics: bright red color, can be pulled the first year after sowing.

Large Victoria—Vendor: Seeds-by-Size. Characteristics: can be pulled the first year after sowing.

Macdonald—Vendor: Burpee. Characteristics: excellent flavor, bright red color, tender skin.

Victoria—Vendor: Lonestar, Mellinger, Seeds-by-Size. Characteristics: large green stalks, late forcing cultivar.

SOUTHERNPEA (COWPEA)

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Alagreen Pinkeye—Breeder: Auburn University, Auburn. Parentage: not described. Characteristics: erect, determinate growth habit with limited lateral vines; pods slightly curved, average 25 cm in length, slightly constricted about the seed, have a glossy surface, produce about 14 seeds per pod, and are borne concentrated above the plant; pod color is green when immature, changing to reddish-purple at the mature-green stage; the peas are kidney shaped, medium to large in size (18 to 24 g per 100 seed), have a persistent-green seed coat and a distinct, non-bleeding pink eye. Adaptation: fresh-market use in Alabama. Ala. Agr. Expt. Sta. Res. Rpt. Ser. 11, p. 20. (April 1996).

Arkansas Blackeye #1 (Arkansas 91-245)—Breeder: University of Arkansas, Fayetteville. Parentage: not described. Characteristics: medium-sized bush (50 to 65 cm tall with no basal runners) that is well suited to conventional or narrow-row culture; matures 2 to 3 days earlier than Coronet and Pinkeye Purple Hull-BVR; pod set is concentrated and the pods are produced in the top of the plant on medium-length peduncles; pods are silver in color, 20 to 25 cm long, and shell easily; seeds have a distinct, medium-sized, black eye, and are similar in size, type, and eye pattern to seeds of California Blackeye No. 5; yield similar to the yields of the best pinkeye purple hull types; canned samples of harvested peas compare favorably to industry standards. Adaptation: first blackeye-type southernpea to be released that is well adapted for commercial production in Arkansas. HortScience 30:821 (1995) and 31:626 (1996).

California Blackeye No. 27 (H8-8-27)—Breeder: University of California, Riverside, and the California Agricultural Experiment Station. Parentage: complex; involves California Blackeye No. 5, California Blackeye No. 3, UCD 7977, and African heat tolerant accessions Prima and TVu 4552. Characteristics: erect growth habit (much more compact than California Blackeye No. 5 and slightly more compact than California Blackeye No. 46); seeds are typical blackeye type with white seed coat and black pigment around hilum (base seed coat color is a brighter white than that of California Blackeye No. 46); seed are similar in size to California Blackeye No. 46 (22 g per 100 seed); heat tolerant; seed yield and canning quality comparable to California Blackeye No. 46. Days to dry seed maturity: 95. Resistance: *Fusarium oxysporum* f. sp. *tracheiphilum* races 3 and 4; homozygous for the *Rk* and *rk3* root-knot nematode resistance genes. Adaptation: irrigated crop production systems of the southwestern United States. PVP pending (Application No. 200000183). Crop Sci. 40:854–855, 2000. 1999.

Charleston Greenpack (US-858)—Breeder: U.S. Vegetable Laboratory, ARS, USDA, Charleston, S.C. Vendor: Western Seed Multiplication, Inc., Oglethorpe, GA (exclusive license). Parentage: Kiawah × (Kiawah × Bettergreen). Characteristics: first pinkeye-type cultivar to exhibit the green cotyledon trait (can be harvested at the dry stage of seed maturity without loss of fresh green color); similar in appearance to Coronet and Pinkeye Purple Hull-BVR, but usually matures 2 to 3 days earlier; plant habit is low bushy and somewhat more compact than that of either Coronet or Pinkeye Purple Hull-BVR; pod set is concentrated and the pods are borne above the foliage in a scattered fashion; typical pod is moderately curved, 17 cm long, and contains 14 peas; pod color is green when immature, dark purple when ready for mature-green harvest, and dark purple when dry; fresh peas are kidney-shaped and have a pink eye (similar to Coronet and Pinkeye Purple Hull-BVR peas); dry peas have a smooth seed coat, and are slightly smaller than those of Coronet and Pinkeye Purple Hull-BVR; yields are comparable to those of Coronet and comparable to or better than those of Pinkeye Purple Hull-BVR. Adaptation: for use as a home garden and fresh market cultivar for spring, midseason, and fall plantings throughout the southeastern United States, and for processing for the frozen food industry. PVP pending. HortScience 33:907–908, 1998. 1997.

Early Acre (Arkansas 84-154)—Breeder: University of Arkansas, Fayetteville. Parentage: not described. Characteristics: very compact bush plant suitable for use in both narrow-row and conventional-row cropping systems; matures 8 to 10 days earlier than White Acre; cream-type seed (size and shape similar to White Acre); yield comparable to White Acre (comparisons made at conventional row spacing); attributes of canned samples of harvested peas equal to those of canned samples of White Acre peas; resistant to bacterial blight. Adaptation: replacement for White Acre in Arkansas. HortScience 27:643–644, 1992.

Early Scarlet—Breeder: University of Arkansas, Fayetteville. Parentage: not described. Characteristics: medium sized bush (60 to 75 cm tall) with no basal runners; matures 2 to 3 days earlier than Pinkeye Purple Hull-BVR; pod set is concentrated and the pods are produced at the top of the plant on medium-length peduncles; green-mature stage pods are light red in color, 20 to 25 cm long, and shell easily; seeds have light, pink-colored eyes and are similar in size to those of Pinkeye Purple Hull-BVR. HortScience 31:626, 1996.

Excel—Breeder: University of Arkansas, Fayetteville. Parentage: not described. Characteristics: compact bush plant habit (45 to 60 cm tall) with no basal runners; matures 3 to 4 days earlier than Pinkeye Purple Hull-BVR; pod set is concentrated with pods produced at the top of the plant on medium-length peduncles; green-mature stage pods are deep purple in color, 20 to 25 cm long, and shell easily; seeds have bright, pink-colored eyes and are similar in size to those of Pinkeye Purple Hull-BVR. HortScience 31:626, 1996.

Green Dixie Blackeye (US-867)—Breeder: U.S. Vegetable Laboratory, ARS, USDA, Charleston, S.C. Parentage: Bettergreen x Bettergro Blackeye. Characteristics: first blackeye-type cultivar to be released that exhibits the green cotyledon trait (can be harvested at the dry seed stage of maturity without loss of fresh green color); high bushy plant habit; produces dry pods in about 71 days (9 days later than Bettergro Blackeye); pod set is concentrated and pods are borne above the foliage in a scattered fashion; typical pod is slightly curved, 21 cm long, and contains 14 peas; pod color is light green when immature, light green with a tendency for slight pigmentation (purple) on the tip when ready for mature-green harvest, and light straw color when dry; dry peas have an oblong shape and black hilar eyes (similar to Bettergro Blackeye), a smooth seed coat, and are somewhat larger than those of Bettergro Blackeye (15.6 g per 100 peas). Yield potential is much greater than that of Bettergro Blackeye. Adaptation: for use throughout the southeastern United States by home gardeners and the dry pack bean industry. 2000.

Green Pixie (US-865)—Breeder: U.S. Vegetable Laboratory, ARS, USDA, Charleston, S.C. Parentage: Bettergreen x White Acre. Characteristics: high, bushy plant habit similar to that of White Acre; produces dry pods in about 76 days (5 days later than Bettergreen and 5 days earlier than White Acre); pod set is concentrated and the pods are borne above the foliage in a scattered fashion; typical pod is slightly curved, 15 cm long, and contains 16 cream-type peas; pod color is light green when immature, purple when ready for mature-green harvest, and light straw color when dry; fresh peas have a rhomboid-kidney shape (similar to White Acre); dry peas are small, have a smooth seed coat, and are similar in size to White Acre peas (8.0 g per 100 peas); yield is comparable to Bettergreen and White Acre; homozygous for the *gc* gene conditioning the green cotyledon trait (peas can be harvested at the dry stage of maturity without loss of their fresh green color). Adaptation: for use by the frozen food industry throughout the southeastern United States as a replacement for White Acre. HortScience 35:954–955, 2000. 1999.

Petite-N-Green (US-861)—Breeder: U.S. Vegetable Laboratory, ARS, USDA, Charleston, SC. Vendor: Western Seed Multiplication, Inc., Oglethorpe, GA (exclusive license). Parentage: Coronet x Bettergreen. Characteristics: low, bushy plant habit (similar to Coronet, but more procumbent than Charleston Greenpack); produces dry pods in 70 to 76 days (4 to 7 days later than Charleston Greenpack and 2 to 9 days later than Coronet and Pinkeye Purple Hull-BVR); pod set is concentrated and the pods are borne at foliage level in a scattered

fashion; typical pod is moderately curved, 14 cm long, and contains 14 peas; pod color is green when immature, and dark purple when ready for mature-green harvest and when dry; fresh peas are ovate to kidney shaped and have a pink eye (similar to Charleston Greenpack, Coronet, and Pinkeye Purple Hull-BVR peas); dry peas are small (11.5% to 20.5% smaller than Charleston Greenpack, 10.9% to 24.6% smaller than Coronet peas, and 12.1% to 24.1% smaller than Pinkeye Purple Hull-BVR peas) and have a smooth seed coat; homozygous for the *gc* gene conditioning the green cotyledon trait (peas can be harvested at the dry stage of maturity without loss of their fresh green color); yield is comparable to those of Charleston Greenpack, Coronet, and Pinkeye Purple Hull-BVR. Adaptation: for use as a home-garden cultivar in the southeastern United States. PVP pending. HortScience 34:938–939, 1999. 1998.

Pickworth Pinkeye—Breeder: Auburn University, Auburn, AL. Parentage: not described. Characteristics: erect, determinate growth habit with limited lateral vines; pods are slightly curved, average 25 cm in length, are slightly constricted about the seed, have a glossy surface, produce about 14 seed per pod, and are borne concentrated above the plant; pod color is green when immature, changing to reddish-purple at the mature-green stage; the peas are kidney shaped, medium to large in size (18 to 24 g per 100 seed), and have a distinct, non-bleeding pink eye. Distinguished from Alagreen Pinkeye by the presence of both green and white seeds (approximately half of the plants produce peas with a dry green seed coat and the other half produce peas with a white seed coat). Adaptation: for use in Alabama “because of its special appeal to pick-your-own consumers, as well as fresh-market production for wholesale lots in the pod or retail sale of shelled peas.” Ala. Agr. Expt. Sta. Res. Rpt. Ser. 11, p. 20 (April 1996).

Quickpick—Breeder: Louisiana State University, Calhoun Research Station, Calhoun, LA. Parentage: LA 88-74 x LA 88-9. Characteristics: bush-type plant habit with a synchronous pod set that is suitable for either hand- or machine-harvest; mature-green pods are straight, approximately 20 cm long, and purple in color; fresh peas are green with a light-pink eye; yield equal to or greater than yield of Texas Pinkeye Purple Hull in replicated machine harvest tests and comparable to yields of Texas Pinkeye Purple Hull, Coronet, Pinkeye Purple Hull-BVR, Mississippi Pinkeye, and Santee Early Pinkeye in replicated hand-harvest tests; immune to a Georgia isolate of blackeye cowpea mosaic virus. Adaptation: as a pinkeye purple hull-type cultivar for the fresh market. HortScience 34:447, 1999.

SPINACH

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Avenger (RS 1037)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: Ballet type, round leaves of good size with deep green color, tolerant to rotting, good performance, less vigorous than Ballet. Resistance: downy mildew. Similar: Whale. Adaptation: U.S. 2001.

Baby Green (DPSX 7002)—Breeder: Agrotip. Vendor: D. Palmer Seed Co. Parentage: F1 hybrid. Characteristics: dark green, slightly bubbled rounded leaves. Resistance: downy mildew race 5. Similar: Unipak. Adaptation: worldwide. 2000.

Baby's Leaf—Breeder and vendor: W. Atlee Burpee and Co.

Boeing (RS 0669 1037)—Breeder: John Purcell. Vendor: Seminis Vegetable Seeds-Royal Sluis. Parentage: F1 hybrid. Characteristics: mid to late maturity, monoecious; round leaves of good size with deep green color, tolerant to rotting. Resistance: downy mildew. Similar: Ballet. Adaptation: U.S.

Catalina (XPH 17076)—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: dark green; good heat tolerance; flat, rounded leaf, with no curl for a good pack appearance. Resistance: downy mildew races 1, 2, 3, 4. Adapta-

tion: coastal California; spring-summer season. 1997.

Cherokee (RS 06691031)—Breeder: John Purcell. Vendor: Seminis Vegetable Seeds-Royal Sluis. Parentage: F1 hybrid. Characteristics: late, monoecious, more productive, round darker leaves, between Ballet and Chica for earliness. Resistance: downy mildew. Similar: Chica. Adaptation: U.S. 2001.

Cobra (RS 0669 1068)—Breeder: John Purcell. Vendor: Seminis Vegetable Seeds-Royal Sluis. Parentage: F1 hybrid. Characteristics: European Bolero type, good performance, slower bolting, darker leaf color. Resistance: downy mildew. Similar: San Moreno. Adaptation: U.S. 2001.

Douglas (RX 0669 1064)—Breeder: John Purcell. Vendor: Seminis Vegetable Seeds-Royal Sluis. Parentage: F1 hybrid. Characteristics: mid early, monoecious, smooth. Resistance: downy mildew. Similar: no cultivar. Adaptation: U.S. 2001.

Farallon (XPH 17087)—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: open pollinated. Characteristics: dark green; smooth leaf; very uniform erect plant and canopy; targeted for bunching and clip markets. Resistance: downy mildew races 1, 2, 3, 4. Adaptation: California, Arizona, Colorado. 1998.

Flamenco (RS 960751)—Breeder: Rene Beussen. Vendor: Seminis Vegetable Seeds-Royal Sluis. Parentage: F1 hybrid. Characteristics: medium early, dioecious, big leaf, uniform, healthy, productive. Resistance: downy mildew races 1, 2, 3, 4, U.S. 6, European 7. Similar: Polka. Adaptation: U.S. 1999.

Harmony—Breeder and vendor: W. Atlee Burpee and Co.

Hellcat (RS 1036)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: Santana type, round, very thick leaves with deep green color, short and deep green stem with large diameter, early. Resistance: downy mildew. Similar: Whale. Adaptation: U.S. 2001.

Hi-Green (DPSX 7001)—Breeder: Agrotip. Vendor: D. Palmer Seed Co. Parentage: F1 hybrid. Characteristics: very dark green, rounded leaves. Resistance: downy mildew race 5. Similar: Unipak 12. Adaptation: worldwide. 2000.

Interceptor (RS 06691042)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: very big HW, smooth, flat, big leaves, thick and long stem, but of good size; overall excellent performance. Resistance: downy mildew. Similar: Puma. Adaptation: U.S. 2001.

Meg—Breeder: John Purcell. Vendor: Seminis-Royal Sluis. Parentage: F1 hybrid. Characteristics: mid late, monoecious, good resistance to bolting, productive, deep green color. Resistance: downy mildew. Similar: Calata. Adaptation: U.S. 2001.

Miguel (XPH 17075)—Breeder: Tom McBride. Vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: thick round flat leaves that make a nice finished product, dark green, vigorous. Resistance: downy mildew races 1, 2, 3, 4. Adaptation: coastal California, fall season; San Joaquin Valley, California. 1997.

Oriental Giant (39965)—Breeder: Jim Waltrip. Vendor: Seminis-Seminis garden. Parentage: F1 hybrid. Characteristics: early, monoecious, erect, productive, uniform. Similar: Parade. Adaptation: home garden. 2001.

Primo (E 50601)—Breeder and vendor: Enza Zaden. Parentage: F1 hybrid. Resistance: downy mildew races 1, 2, 3, 4. Adaptation: California, Arizona. 1999.

Salad Fresh—Breeder and vendor: W. Atlee Burpee and Co. 2000.

Tigercat (RS 1064)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: mid early, monoecious, very productive, thin leaves. Resistance: downy mildew. Similar: San Moreno. Adaptation: U.S. 2001.

Ventus (RS0669 1036)—Breeder: John Purcell. Vendor: Seminis Vegetable Seeds-Royal Sluis. Parentage: F1 hybrid. Characteristics: mid late, monoecious, round very thick leaves with deep green color, short and deep green stem with big diameter. Resistance: downy mildew. Similar: Santana. Adaptation: U.S. 2001.

SQUASH

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ACX 45A (ACX 45A)—Breeder and vendor: Abbott and Cobb. Characteristics: very dark green zucchini, glossy, smooth, cylindrical 5–7" fruit, very vigorous, open plant, matures in 49 days. Resistance: tolerance to ZYMV and WMV-2. Adaptation: Texas and southwestern U.S. Melon, Cucurbit Pocket Seed Guide, American Vegetable Grower and Florida Grower Magazine. 1999.

Allie—Breeder: J. Bush. Characteristics: long white squash. PVP pending. 1997.

Ambercup—Vendor: Johnny's Selected Seeds. Characteristics: hybrid, scarlet kabocha winter squash; bright, orange-red skin, moderately ribbed; medium sweet taste but not as good as gray or green-skinned cultivars; 4–5 lb.; stores well; 3–4 fruit per plant; 95 days.

Ariadne—Vendor: Harris Moran.

Autumn Cup—Vendor: Liberty Seed. Characteristics: hybrid buttercup; reduced button at blossom end; deep orange, high quality flesh; semi-bush plant; 95 days.

Autumn Delight (PS 10705)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: acorn squash, compact plant, very strong semi-bush, standard size fruit, dark green color early after fruit formation. Resistance: powdery mildew. Similar: Table Ace. Adaptation: northeast U.S.; commercial and home garden. 2001.

Autumn Glow—Breeder and vendor: W. Atlee Burpee and Co. 2000.

Autumn Prince (SSC 42083)—Breeder and vendor: Shamrock Seed Co. Parentage: open pollinated. Characteristics: a prolific Acorn Squash with a concentrated fruit set; produces vigorous semi-bush plants; sets attractive, very dark green fruit with smooth ridges and a rounded blossom end; deliciously sweet, yellow flesh; fruit weighs 1.5 to 1.75 lb.; 75–80 days to maturity; ideal for local, road side and shipping markets. Similar: Table Queen. Adaptation: all winter squash growing regions. 2000.

Bella—Breeder: C. Miller. Vendor: Sunseeds (Pioneer). Characteristics: medium green, cylindrical with slight taper, 7.2" × 1.8", strong plant with good yields, makes length under cool conditions.

Benning's Green Tint—Vendor: Johnny's Selected Seeds. Characteristics: open pollinated, gray-green scallop, patty pan squash; best harvested at 3" diameter; traditional cultivar; 54 days.

Black Forest—Breeder and vendor: Johnny's Selected Seeds. Characteristics: sweet, buttonless, buttercup-type winter squash; dark green, flat-round fruit of Kabocha type but smaller; deep orange, medium-dry, sweet flesh is good for baking; 95 days. 1996.

Blackjack—Breeder and vendor: Petoseed. Characteristics: hybrid zucchini; very dark green, cylindrical, smooth fruit; one of the darkest hybrids on the market; 54 days.

Blue Ballet—Breeder and vendor: Johnny's Selected Seeds. Characteristics: small, blue hubbard-type winter squash; smooth skinned, blue-gray, 4 lb. fruit; sweet, bright orange, fiberless flesh; stores well; 95 days. 1996.

Blue Magic—Breeder and vendor: Seeds by Design. Characteristics: blue hubbard type winter squash, 4–6 lb., excellent eating quality and good storage, semi-bush plant. American Vegetable Grower, December 1998.

Bonita—Vendor: Seedway. Characteristics: Mediterranean squash; mottled gray-green, good flavor; high yields; vigorous bush; 43 days.

Born Free—Breeder and vendor: W. Atlee Burpee. Characteristics: hybrid zucchini squash; long, slender, slightly ridged fruit, spineless plants. 1999.

Bugle (PMR Butternut)—Breeder: M. M. Jahn, Cornell University. Vendor: Rupp Seeds. Parentage: open pollinated. Characteristics:

butternut type winter squash, slightly smaller than Waltham. Resistance: powdery mildew. Similar: Waltham. Adaptation: U.S., Brazil. PVP. 1999.

Bush Delicata (PS 9355909)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: winter squash, very sweet orange meat, Cucurbita pepo, pale green exterior color with cream stripes. Similar: Sweet Dumpling. Adaptation: home garden, special locations chosen by growers. 2000.

Butterstick—Breeder and vendor: W. Atlee Burpee. Characteristics: hybrid prolific squash; bright yellow fruit, white flesh, firm texture, sweet and nutty flavor; harvest in 50 days. Burpee Spring Catalog, 2000.

Canesi (PS 11304)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: hybrid, large butternut type, thick neck, excellent fruit quality, bright yellow flesh, early maturity. Adaptation: U.S., Argentina. 1999.

Cashflow (RSQ 496-VP)—Breeder and vendor: Novartis. Characteristics: zucchini type, medium green color, high yield potential. Resistance: tolerance to some strains of ZYMV. American Vegetable Grower, December 1999.

Cha-Cha (JWS 6303)—Breeder and vendor: Johnny's Selected Seeds. Characteristics: hybrid kabocha winter squash; dark green, slightly flattened; bright orange flesh cooks up dry; very good eating, flaky, sweet; stores well; 95 days.

Chairman (PS 9894)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: hybrid, medium green zucchini, long, straight fruit, excellent yield potential, fairly open bush growth habit. Similar: President. Adaptation: southeastern U.S., Florida. 1998.

Chestnut—Breeder: Johnny Selected Seeds. Characteristics: winter squash; fiberless, dry-textured, deep orange flesh; medium-small fruit about the size of Buttercup, with a dark slate-green color; 105 days. 1996.

Chicago Warty Hubbard—Vendor: Twilley Seeds. Characteristics: open pollinated, green-skinned processing type; large warted fruit, 15" long × 10" diameter; high quality, deep orange-yellow flesh; standard for pies, canning; long storage; 105 days. Twilley Catalog, 1992.

Clair—Breeder and vendor: Zeraim Gadera. Characteristics: hybrid clarita type; tapered, cylindrical shaped fruit; suitable for stuffing, delicious taste; open, compact plant.

Clarimore—Breeder: Petoseed. Characteristics: hybrid, Lebanese-type squash; small, light green, speckled, tapered fruit; 3–5"; open, viny plant type; 52 days.

Condor—Breeder and vendor: Johnny's Selected Seeds. Characteristics: hybrid zucchini; glossy, medium dark green flecked with pale green, slender, slightly tapered fruit; vigorous, open, nearly spineless plant; 48 days.

Conqueror III (XPT 4620767)—Breeder: Eldon Hursini. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: green stem, straightneck hybrid with biotech resistance to ZWC, plant habit vigorous and semi open, fruit uniform creamy yellow. Resistance: CMV, PRSV, WMV, ZYMV. Similar: Enterprise. Adaptation: U.S. 2001.

Corsair—Breeder: Asgrow. Characteristics: very dark green hybrid zucchini; cylindrical; maintains dark color under high temperatures; 43 days to harvest. 1990.

Costata Romanesco—Breeder and vendor: Johnny's Selected Seeds. Characteristics: open pollinated cocozelle type; prominently ribbed, medium gray green with pale flecks and ribs; big large-leafed bush with about half the yield of hybrids but much better taste; good producer of male blossom buds for cooking; 52 days.

Cougar—Breeder and vendor: Harris Moran Seed. Characteristics: hybrid, precocious yellow, straightneck, high quality fruit, extended harvest. Resistance: ZYMV, PRSV. Adaptation: eastern and southern U.S. American Vegetable Grower, December 1999.

Debutant—Breeder: C. Miller. Vendor: Sunseeds (Pioneer). Characteristics: medium dark green cylindrical fruit, 7" × 2", medium size plant with reduced spines, strongly parthenocarpic. 1995.

Declaration II (XPHT 1814)—Breeder and vendor: Seminis

Vegetable Seeds-Asgrow. Characteristics: hybrid, medium zucchini 7–8 inch in length, high yield potential, open, compact plant, 40 days to harvest. Resistance: transgenic resistance to WMV, ZYMV. Similar: Sensation. Adaptation: northeastern and southeastern U.S. 1998.

Delica—Breeder: Takii. Characteristics: winter squash; flat globe, dark green skin, deep yellow flesh color, 3 lb. fruit; nutty, sweet taste; very uniform fruit, vigorous vine, good storage ability, early.

Delicata—Breeder: Johnny's Selected Seeds. Characteristics: winter squash; cream colored fruit with dark green longitudinal stripes and flecks; 7–8" long, 3" wide, 1.5–2 lb.; very sweet orange flesh, excellent for stuffing and baking; short vines; 100 days.

Destiny III (XPH1741)—Breeder and vendor: Asgrow. Characteristics: hybrid yellow crookneck. Resistance: transgenic resistance to CMV, WMV-2, ZYMV. 1995.

Early Prolific Improved (Banana Squash)—Breeder and vendor: Willhite Seed. Characteristics: open pollinated straightneck, light cream color, can be eaten at 4–12" length, bush plant, popular cultivar for home garden. Willhite Seed Catalog, 1994.

Early Summer Yellow—Breeder and vendor: Willhite Seed. Characteristics: open pollinated crookneck; semi-smooth skin, light yellow, uniform fruit; quite prolific bush plant, 42 days to maturity. Willhite Seed Company Catalog, 1994.

Eduerne (010268)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: hybrid; Lebanese squash, long, cylindrical, white creamy color. Similar: Splendor, Opalin. Adaptation: Spain. 1997.

Eight Ball—Breeder: Hollar Seeds. Characteristics: hybrid summer squash; dark green color, round, 2–3" diameter; compact open bush plant spread about 3 feet wide and two feet tall; high yield; very early, 5–7 weeks depending on growing conditions; AAS winner. 1999.

Estribo (24532)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: hybrid butternut type, 5.5 lb., main season maturity. Similar: Butternut Hybrid. Adaptation: South America. 1999.

Excel—Breeder and vendor: Seedway. Characteristics: hybrid zucchini; medium to dark, glossy fruit; high yields; semi-spineless, compact bush plant; 50 days.

Falcon (ZS-5)—Breeder: Novartis Seeds. Vendor: Keithly Williams Seeds. Characteristics: hybrid, dark green zucchini, longer fruit length, glossy fruit, open plant type. Similar: Raven. Adaptation: Mexico and western U.S. 1996.

Fancycrook (PS43092)—Breeder: Jim Waltrip. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: hybrid, full crookneck, precocious yellow, smooth fruit. Resistance: powdery mildew 1. Similar: Sundance. Adaptation: U.S. home gardens. 1997.

Festival—Breeder and vendor: Seeds By Design. Characteristics: hybrid winter squash, bright colors of orange yellows painted on green, 2–3 lb. fruit, matures in 84 days, semi-bush plant, for both eating and decoration. American Vegetable Grower, Dec. 1998.

Flying Saucer (HMX 4720)—Breeder and vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: multicolored with points radiating from center. Similar: Patty Pan. Adaptation: U.S. winter squash areas. 2000.

Fortune—Breeder and vendor: Novartis Seeds (Rogers Brand). Characteristics: early maturing, straightneck hybrid summer squash, medium vigorous bush, cylindrical, bright yellow fruit, maturity in 39 days. Resistance: precocious gene may delay or partially mask mild virus infections. Adaptation: eastern and northeastern U.S. Cucurbit Pocket Seed Guide, American Vegetable Grower and Florida Grower Magazine. 1999.

Gentry (CS4)—Breeder: Rogers Seed. Characteristics: semi-crookneck summer squash, outstanding yields of butter-yellow, smooth-skinned fruit with small blossom scars, vigorous bush plant, few spines, matures in 43 days. Adaptation: eastern and southeastern U.S.; produces under high temperatures. American Vegetable Grower, Dec. 1996.

Gina (HMX 5703)—Vendor: Harris Moran. 1989.

Glory II (XPT 1777)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: hybrid, medium dark green zucchini,

open plant type, 7–8 inch fruit length, maturity in 50 days. Resistance: WMV, ZYMV. Similar: Tigress, Embassy. Adaptation: northeastern U.S. 1999.

Gold Bar—Breeder: Petoseed. Characteristics: golden-yellow, smooth, uniform, cylindrical fruit; ideal straightneck shape; upright, open plant.

Golden Dawn III—Vendor: Seedway. Characteristics: hybrid zucchini; golden yellow, cylindrical, 7–8" fruit; open bush; 47 days.

Golden Delicious—Vendor: Stokes Seed. Characteristics: open pollinated, bright, red-orange fruit; hard, smooth rind; fine-grained, dry, light-orange flesh; higher vitamin C content than other squash; good flavor; 90 days.

Green Eclipse—Vendor: Seedway. Characteristics: hybrid zucchini; fruit twist off with few breaking; medium green, glossy fruit; extremely high yielding; open bush; 46 days.

Green Striped Cushaw—Breeder and vendor: Willhite Seed. Characteristics: open pollinated winter squash, long curved neck, rind is cream white mottled with irregular green stripes, smooth and medium soft rind, pale yellow flesh is sweet, moist, fibrous and course; solid in neck, medium thick in bulbous end; used for pies, baking, stock feed; 110 days to maturity. Willhite Catalog, 1994.

Green Warted Hubbard—Vendor: Liberty Seed. Characteristics: deep blackish-green rind with warts; 12–14 lb. fruit; fine grained, golden yellow flesh; 115 days.

Gulliver—Breeder and vendor: Zeraim Gedera. Characteristics: hybrid; suitable for trellis cultivation in greenhouse or tunnels; slight ribbed, cylindrical, light green fruit; short internode, climbing plant.

Hasta La Pasta—Breeder and vendor: W. Atlee Burpee. Characteristics: spaghetti-type summer squash; 6–8" long, 4–5" across, perfect for a family meal; pasta substitute; 73 days. 1995.

Hi-beta Gold (PS 11899)—Breeder: Jim Waltrip. Vendor: Seminis Vegetable Seed-Petoseed. Characteristics: hybrid, orange flesh spaghetti type, bright orange rind, semi-bush plant, 75 days to maturity. Similar: Orangetti. Adaptation: home garden. 1999.

Hokkori—Breeder and vendor: Johnny's Selected Seeds. Characteristics: hybrid kabocha winter squash; medium size 4–5 lb. fruit, orange flesh, dry, flaky, sweet; 95 days.

Honey Delight—Breeder: Johnny's Selected Seeds. Characteristics: large Japanese kabocha-type hybrid winter squash; 5–6 lb. flattened globe fruit are dark green with light green stripes; bright, deep orange, dry, sweet flesh; stores well; 95 days. 1996.

Horn of Plenty—Breeder: Hollar. Vendor: Willhite Seed. Characteristics: hybrid crookneck; bright yellow, smooth skin; erect, bush plant; 43–45 days.

Hubbard Golden—Vendor: Twilley Seeds. Characteristics: open pollinated winter squash; large, red-orange, warted fruit weigh about 10 lb., 11" × 9"; very tasty flesh is deep orange, dry; excellent for pies, cooking; long storage; 105 days to maturity. Twilley Seeds Catalog, 1989.

Hubbard Green—Vendor: Twilley Seeds. Characteristics: open pollinated winter squash; large, green, warted fruit average 15" × 10"; turn bronze-green at maturity; good quality, deep orange-yellow flesh; long storage; 105 days to maturity; traditional cultivar. Twilley Seeds Catalog, 1989.

Hubbard Improved Green—Vendor: Stokes. Characteristics: open pollinated winter squash, green skin, warted, vining, 100 days.

Independence II (XPT 1776)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: hybrid, medium green zucchini, high yield potential, extended harvest, open plant habit, fruit 6–7 inches long, 41 days to maturity. Resistance: transgenic resistance to WMV, ZYMV. Similar: Senator. 1998.

Irit—Breeder: Zeraim Gedera. Characteristics: hybrid; smooth, cylindrical light green fruit; open bush plant.

Japan Cup—Breeder: Takii. Characteristics: gray-green skin; deep yellow, thick flesh; 2–3 lb.; suitable for long storage; extra early, semi-bush plant.

Jarrahdale (JS strain)—Vendor: Johnny's Selected Seed. Characteristics: traditional Australian winter squash; open pollinated; 6–10 lb. fruit, heavy, rounded ribs, slate gray skin, thick orange flesh; stores well; 100 days.

Jason—Vendor: Harris Moran.

Lakota—Breeder: D. Coyne. Vendor: W. Atlee Burpee. Characteristics: stunning winter squash that was once prized by the Sioux; flesh is sweet and nutty; fine baking quality; 8" × 9" fruit; 85 days to harvest; for home garden. Burpee Spring Catalog, 2000.

Lioness (HMX-0709)—Breeder: T. Superak. Vendor: Harris Moran. Characteristics: yellow straightneck type; green stem, smooth skin, medium-size bulb. Resistance: ZYMV, PRSV, WMV-2, CMV. Similar: Enterprise. Adaptation: southeastern U.S. 2002.

Lolita (PS 59792)—Breeder: Mark Hutton. Vendor: Petoseed. Characteristics: pale green to gray color, light speckling, large vigorous plant. Similar: Clarita.

Magda—Breeder and vendor: Johnny's Selected Seeds. Characteristics: hybrid, Middleastern "cousa" type summer squash; pale green, blocky, tapered fruit; nutty, sweet flavor; 3–4" long for stuffing; 48 days. 2000.

Medallion—Breeder and vendor: Abbott and Cobb. Characteristics: hybrid semi-crookneck; bright yellow skin, strong necks, 4.5–6.5"; vigorous, open, bush-type plants; 52 days to harvest. Adaptation: eastern U.S. and Florida winter production. 1992.

Midas—Breeder and vendor: Willhite Seed. Characteristics: hybrid straightneck; light butter-yellow, very smooth fruit; large, vigorous plants; 53 days. Resistance: powdery mildew.

Midnight (HMX 7124)—Breeder and vendor: Harris Moran. Characteristics: very dark zucchini type; open growth habit; very uniform fruit that maintains dark green color under intense light; cylindrical fruit with blunt ends. Adaptation: southwestern U.S. and Mexico. 1989.

Noblesse (HMX 7709)—Breeder and vendor: Harris Moran. Characteristics: dark green zucchini type; long, slender and glossy fruit; early maturity. 1994.

Nutty Delica—Breeder: Takii. Characteristics: semi-globe, deep yellow, sweet flesh; smooth dark green rind with bright green blotches; distinct dry and nutty taste; good storage ability; grows well under low temperatures. Similar: Delica.

Pagoda Gold (PS 4718357)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: strong semi-bush with open plant habit for easy harvest, fruit are top shaped, early and productive. Similar: no cultivar like it. Adaptation: home garden. 2000.

Papaya Pear (PX 4718347)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: *Cucurbita pepo* F1 hybrid. Characteristics: summer squash, strong plant, fruit are bright yellow pear shape; AAS designated winner until we have inventory; semi-bush growth habit; open and easy to harvest; plants spread about 4 feet, and grow approximately 3 feet tall; fruit are bright yellow with fine white speckles, uniquely pear shaped, and should be harvested when about 3.5 inches long by 2.75 inches across, at which stage they weigh approximately 170 grams; fruit have excellent taste; maturity is very early, about 40 days; very attractive squash with unusual fruit shape like no other cultivar; superior fruit quality, fine flavor, vigorous plants and high yield (formerly Yellow Pear); unique fruit shape and color. Adaptation: home garden and wholesale use. 2001.

Patriot II (XPT1816)—Breeder: Asgrow. Vendor: Liberty Seed. Characteristics: hybrid straightneck; green stem, precocious yellow; 42 days. Resistance: transgenic resistance to ZYMV, WMV, intermediate resistance to powdery mildew, not resistant to CMV, PRSV.

Patty Gold (PS 9596)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: yellow scallop with open plant habit, semi bush, disk shaped fruit. Similar: Sunny Delight. Adaptation: wholesale home garden. PVP.

Pilgrim—Breeder and vendor: Seeds By Design. Characteristics: hybrid butternut winter squash; 3.3 lb. average fruit weight, 9" long × 4.9" wide, good flesh quality; excellent yields; neither high nor low temperatures affect quality; restricted vine allows 7% more plants per acre; 84 days to maturity. American Vegetable Grower, April 1999.

Precious II—Breeder and vendor: Abbott and Cobb. Characteristics: hybrid straightneck; bright precocious yellow fruit; open plant; 53 days. 1998.

Prestige (HMX 0711)—Breeder: Frederic Tenet. Vendor: Tezier

Seed. Parentage: F1 hybrid Characteristics: dark green glossy color. Resistance: powdery mildew. Similar: Raven. Adaptation: U.S., Mexico. 2000.

PSX 391—Breeder: Mark Hutton. Vendor: Petoseed. Characteristics: precocious yellow zucchini, bright yellow glossy fruit, 7" × 1.75", large vigorous plant, suitable for processing.

Puma—Breeder and vendor: Harris Moran. Characteristics: hybrid zucchini. Resistance: tolerance to ZYMV, WMV-2, PRSV.

Puritan Butternut—Vendor: Seedway. Characteristics: slightly smaller than Waltham, good yields and storage ability; full vine; 110 days.

Queensland Blue—Vendor: Johnny's Selected Seeds. Characteristics: Australian cultivar introduced in the U.S. in the 1930s; blue-gray 6–10 lb. fruit with deep ribbing; buttercup shape, orange flesh, good flavor; stores well; 100 days.

Really Big (24532)—Breeder: Jim Waltrip. Vendor: Seminis-Asgrow. Parentage: F1 hybrid Characteristics: Butternut hybrid, medium large fruit, tan skin color exterior with orange flesh, rigorous plant, thick neck, good storage. Similar: Butternut Supreme. Adaptation: home garden. 2000.

Rebenque (PS 12004)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: hybrid, medium large fruit, butternut type, 5.5 lb., tan skin, orange flesh, good storage, main season. Similar: Butternut Supreme. Adaptation: northeastern U.S. 1999.

Red Kuri (Baby Red Hubbard, Orange Hokkaido)—Vendor: Johnny's Selected Seeds. Characteristics: open pollinated winter squash, tear-drop shaped 4–7 lb. fruit, scarlet rind, smooth textured flesh; 92 days.

Rembrandt (FMX 633)—Breeder: Gary Taurick. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Similar: Raven. Adaptation: U.S., Mexico. 2000.

Roly Poly—Breeder and vendor: W. Atlee Burpee. Characteristics: unique round fruit ideal for stuffing; plants are single stemmed and prolific; harvest in 50 days. Burpee Spring Catalog, 2000.

Saffron—Breeder: Hollar Seeds. Characteristics: open pollinated prolific yellow straightneck; uniform, tapered, classic shape; smooth fruit borne on manageable, sturdy, open plant; early. American Vegetable Grower, December 1996.

Seasons—Breeder and vendor: Abbott and Cobb. Characteristics: hybrid zucchini; medium, dark green, straight fruit; open plant, fewer spines. Similar: Ambassador. 1998.

Sebring—Breeder and vendor: Otis Twilley. Characteristics: hybrid, deep golden zucchini squash, semi-spineless, highly productive, 8" fruit, bush habit, open plant structure. American Vegetable Grower, December 1998.

Seneca Supreme—Breeder: Robson Seed Farms. Vendor: Liberty Seed. Characteristics: improved hybrid straightneck; precocious yellow, glossy, slow to bulb; bush plant; 45 days. Resistance: precocious gene masks virus infection.

Small Wonder—Breeder: Hollar Seeds. Vendor: Seedway. Characteristics: hybrid spaghetti type; 4" × 5" single serving size; exceptional flavor; orange skin; 70 days.

Spaghetti—Breeder and vendor: Willhite Seed. Characteristics: open pollinated winter squash, white fruit turns yellow when mature, keeps well, spaghetti-like flesh. Willhite Catalog, 1994.

Staliano Largo (PS 9113)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Romanesco type, long cylindrical fruit, creamy white with green ridges running the length of the fruit, bush plant. Similar: no cultivar like it. Adaptation: home garden. PVP. 2000.

Sunbar—Breeder: Jim McFerson. Vendor: Petoseed. Characteristics: precocious yellow straightneck, 5–6 inch cylindrical fruit, strong upright plant. Similar: Multipic. 1989.

Sunglo—Breeder and vendor: Novartis Seeds. Characteristics: hybrid, crookneck, 6.5" to 7", very smooth, yellow fruit, fine blossom scars, fewer spines and stronger neck than similar cultivars, bush plant. Resistance: tolerance to powdery mildew. American Vegetable Grower, Dec. 1998.

Sunny Delight (PS 42395)—Breeder: Jose Gomez. Vendor:

Seminis Vegetable Seeds-Petoseed. Characteristics: hybrid, yellow scallop type, semi-bush plant, open plant habit, 75 g fruit weight, 7 days earlier than Sunburst. Similar: Sunburst. Adaptation: home garden, fresh market. 1997.

Sunray (PS 47592)—Breeder: Mark Hutton, Jose Gomez. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: hybrid, precocious yellow straightneck, medium to large size plant, single stem, easy to pick. Resistance: powdery mildew I. Similar: Goldbar. Adaptation: eastern U.S. 1997.

Super Zuke—Breeder and vendor: W. Atlee Burpee and Co. 2000.

Sure Thing—Breeder and vendor: W. Atlee Burpee. Characteristics: hybrid zucchini; bears fruit even under cool, cloudy conditions, parthenocarpic; medium-sized fruit; harvest in 48 days. 1999.

Suwannee (SXS 9602)—Breeder: A. Gabert. Vendor: Sunseeds. Characteristics: medium glossy fruit yellow, 5.5 inch × 2 inch, slight crookneck, thick neck, good yield potential, medium size open bush. Adaptation: wide.

Swan White Table Queen—Breeder: Swan Heath Farms and Cattle Co. Characteristics: open pollinated, creamy white acorn squash, 80 days. PVP. 1985.

Sweet Dumpling—Breeder: Johnny's Selected Seed. Characteristics: very sweet, tender orange flesh; suitable for stuffing for single-serving size; small 4" diameter, round flat-topped, teacup shaped fruit with ivory color and dark green stripes like Delicata; stores 3–4 months; medium length vines; 100 days.

Sweet Zuke—Breeder and vendor: W. Atlee Burpee. Characteristics: hybrid zucchini; exceptionally sweet and nutty flavor; heavy yields on bush plants; 48 days to harvest. Burpee Catalog, 1995.

Table Queen—Vendor: Willhite Seed. Characteristics: open pollinated acorn-shaped winter squash, grooved, smooth rind, dark greenish-black, some turn yellow, medium thick flesh, pale orange, tender, sweet, dry; vigorous vines are heavy producers, for home or market; traditional cultivar. Willhite Catalog, 1994.

Table Queen Ebony—Vendor: Twilley Seeds. Characteristics: improved Table Queen type with darker skin, more uniform size and shape; high-quality, fine-textured, dry and sweet flesh; 80 days. Twilley Catalog, 1992.

Table Queen Mammoth—Vendor: Twilley Seeds. Characteristics: large fruited acorn type; deep green skin, dark orange flesh; 7 × 5.5"; 80 days. Adaptation: East and South. Twilley Catalog, 1992.

Tuffy—Breeder and vendor: Johnny's Selected Seeds. Characteristics: tough-shelled acorn winter squash; black-green rind, sweet yellow flesh, 2 lb. fruit, well ribbed; averages 5–6 fruit per plant; well suited for fresh market; 90 days. American Vegetable Grower, Dec. 1996.

Turk's Turban (Mexican Hat)—Vendor: Twilley Seed. Characteristics: open pollinated winter squash; bright orange fruit with "button" have red, white and dark green markings; 8"–10" across; good for decorating, baking, stuffing; traditional cultivar. Twilley Catalog, 1989.

Ultra Butternut—Vendor: Liberty Seeds. Characteristics: hybrid butternut-type winter squash; up to 10 lb. fruit and 15" long, tan skin; 90 days.

Ultra HP—Breeder: Hollar Seeds. Vendor: Liberty Seeds. Characteristics: strong vine; light tan. Similar: Ultra Butternut.

Whitaker (NY247)—Breeder: Cornell University. Characteristics: summer squash. PVP applied for. 1998.

Yellow Bush Scallop—Vendor: Liberty Seed. Characteristics: scallop-shaped with bright yellow color; use immature for mini vegetable; 50 days.

Yellow Pear (PS 4718347)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: strong plant, bright yellow pear shaped fruit, summer squash. Similar: New. Adaptation: home garden. 2000.

Zahra—Breeder and vendor: Johnny's Selected Seeds. Characteristics: middle eastern "cousa" type summer squash; pale green; for stuffing.

Zebra Zuke—Breeder and vendor: W. Atlee Burpee. Characteristics: hybrid zucchini; alternating stripes of pale mottled green and black-green; 54 days to harvest. 1999.

Zephr—Breeder and vendor: Johnny's Selected Seeds. Characteristics: precocious yellow bicolored, hybrid summer squash; high yielding, open plant, good taste; 54 days. American Vegetable Grower, Dec. 1998.

Zukit—Breeder and vendor: Zeraim Gedera. Characteristics: hybrid zucchini; dark green, shiny fruit; concentrated yield; open, compact plant.

SWEETCORN

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Absolute (PX 7404 SEB)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: midseason, SE, bicolor, large ear, nice package, high quality, 8–9 inch ear, 16–18 row count, 80 days to maturity. Resistance: intermediate to common corn rust and Stewart's bacterial wilt. Similar: Lancelot, Sensor, Delectable. Adaptation: northeast U.S. fresh market. 2001.

Accolade—Breeder and vendor: Crookham Company. Characteristics: early midseason, white, sh2.

Alliance—Breeder and vendor: Johnny's. 1994.

Appaloosa—Breeder and vendor: Robson. Characteristics: sh2, bicolor.

Arrow II (SX 7202 SE 4)—Breeder: Manuel Rosas. Vendor: Seminis Petoseed. Characteristics: se, yellow, 72 days, ears 8–9" long, 14–16 rows. 1999.

Assure—Breeder and vendor: Crookham Company. Characteristics: main season, yellow, sh2, processor.

Bandit—Breeder and vendor: Harris Moran. Characteristics: 81 days, sh2 yellow.

BC 0801—Breeder and vendor: Novartis. Characteristics: 79 days, Bicolor, se. Resistance: common rust (Rp1d). Adaptation: Northeast U.S.

Big Time—Breeder and vendor: Novartis. Characteristics: 79 days, Bicolor, sh2. Resistance: Common Rust (Rp1d). Adaptation: Florida.

Bi-Guard—Breeder and vendor: Harris Moran. Characteristics: 77 days, su, bicolor.

Blanco—Breeder: Big Crop. Characteristics: food corn. 1989.

Bodacious—Breeder and vendor: Crookham Company. Characteristics: excellent eating quality, with a diverse adaptation. 1989.

Bold—Breeder and vendor: Novartis. Characteristics: 82 days, Yellow, su. Resistance: Common Rust (Rp1d) and MDMV. Adaptation: Midwestern U.S.

Bon Appetit (10330)—Breeder: David Galinat. Vendor: Mesa Maize Inc. Characteristics: se, bicolor.

Bonus—Breeder and vendor: Novartis. Characteristics: 83 days, Yellow, su. Resistance: Common Rust (Rp1d) and MDMV. Adaptation: Midwestern U.S.

Boreal—Breeder and vendor: Novartis. Characteristics: 78 days, White, sh2. Adaptation: Common Rust (Rp1d). Adaptation: Northeast U.S.

Bravado—Breeder and vendor: Crookham Company. Characteristics: su/sh2, main season, bicolor.

Breeder's Bicolor—Breeder: Mesa Maize. Vendor: Burpee. Characteristics: se, bicolor, 73 days. 1991.

Breeder's Choice—Breeder: Mesa Maize. Vendor: Burpee. Characteristics: se, yellow, 73 days. 1988.

Brigadier (XP 3084)—Breeder: Todd Cutting. Vendor: Seminis Veg. Seeds—Asgrow Brand. Characteristics: full season, yellow, sh2. Adaptation: fresh market. 1998.

Broadway (XP 8414607)—Breeder: Jim Thomasson. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: shrunken 2 color, fresh market sweet corn hybrid, strong, clean plant with large ear. Resistance: CCR, NCLB, SCLB. Similar: SS 8201. Adaptation: Florida, Northeast, Midwest Canada. 2000.

Brut (XP 8415337)—Breeder: Tara Jacoby. Vendor: Seminis-

Asgrow. Parentage: F1 hybrid. Characteristics: excellent eating quality, long dark green flag leaves, dark husks, attractive snapped ear package for crate shipping. Similar: Ultimate. Adaptation: Florida and North Georgia. 2000.

BSS-0977—Breeder and vendor: Novartis. Characteristics: 79 days, Bicolor, sh2. Resistance: Common Rust (Rp1d/i). Adaptation: Northeast U.S.

BSS-9686—Breeder and vendor: Novartis. Characteristics: 84 days, Bicolor, sh2. Adaptation: Florida.

Bunker Hill—Breeder and vendor: Stokes. Characteristics: 87 days, sh2, yellow.

Candy Store—Breeder and vendor: Harris Moran. Characteristics: 81 days, sh2, bicolor.

Checkered Choice—Breeder: Mesa Maize. Vendor: Burpee. Characteristics: se, bicolor, 62 days. 2000.

Chieftain Bicolor (SCH86141)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: sh2, bicolor, mid. Similar: Xtra-Sweet 5005. 1999.

Chubby Checkers—Breeder: Seminis. Vendor: W. Atlee Burpee and Co. Characteristics: se, bicolor, 72 days. 2000.

Cinch (XP 3089)—Breeder: Tom McBride. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: SE yellow hybrid for processing, main season maturity, 8" ear length, 18–20 rows/ear. Resistance: anthracnose, common corn rust. Similar: Tracer. Adaptation: midwest; Pacific northwest U.S. 2000.

Climax (XP 8410347)—Breeder: Todd Cutting. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: SE yellow sweet corn for processing, dark green leaves, strong stalk, use for cut kernel, frozen and canned processing. Resistance: CCR, SCLB. Adaptation: Midwestern and Eastern U.S., Eastern Canada. 2000.

Conquest—Breeder and vendor: Crookham Company. Characteristics: full season, su. Adaptation: processor.

Cornucopia—Breeder and vendor: Ferry Morse. Characteristics: 85 days, su, yellow.

Crossword—Breeder and vendor: Harris Moran. Characteristics: 74 days, su, bicolor.

Crystal Cream (Sch48512)—Breeder and vendor: IL Foundation Seeds. Characteristics: early, midseason, white, sh2. 1998.

Diva (XP 8414667)—Breeder: Jim Thomasson. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: very attractive husked ear with small kernels in straight rows and smooth tip, narrow deep kernels with blend of corn flavor and sweetness. Resistance: common corn rust. Similar: Zenith. Adaptation: North America—processor. 2000.

Divinity—Breeder and vendor: Stokes. Characteristics: 78 days, se, white.

Dreamer (XP 8414577)—Breeder: Jim Thomasson. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: white hybrid sweet corn for fresh market and shipping, very attractive husked ear, excellent eating. Similar: Snow White. Adaptation: northeastern, southeastern U.S., California. 2000.

Dynamo (HMX5372)—Breeder: T. Kunkel. Vendor: Harris Moran Seed Co. Characteristics: 78 days, su, yellow.

Eagle (SCH27772)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 76 days, bicolor, 8.5" ear. 1997.

Early Ambrosia—Breeder and vendor: Crookham Co. Characteristics: homozygous sugar enhanced bicolor. Similar: Ambrosia. Adaptation: north 40 degrees. 2000.

Early and Often—Breeder: Seminis. Vendor: W. Atlee Burpee and Co. Characteristics: se, bicolor, 64 days. 2000.

Early Choice—Breeder: Mesa Maize. Vendor: Burpee. Characteristics: se, yellow, 66 days. 1996.

Early Illini (SCH60222)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 78 days, yellow, 8.0" ear. 1998.

Early Illini Bicolor (SCH86222)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 78 days, bicolor, 8.0" ear. 1999.

El Toro (XP 8410357)—Breeder: Jim Thomasson. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: use for cut kernel and whole frozen or canned processing; late season performance, good husk cover. Resistance: A, CCR, MDMV, SBW. Similar:

Bold. Adaptation: midwest and eastern U.S., Mexico. 2000.

Elite (GH2839)—Breeder and vendor: Rogers. Characteristics: 85 days, su, yellow.

Enforcer—Breeder and vendor: Harris Moran. Characteristics: 78 days, su, yellow.

Escalade—Breeder and vendor: Harris Moran. Characteristics: 82 days, sh2, bicolor.

Esquire (XP 8410377)—Breeder: Jim Thomasson. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: preferred for whole ear and cut kernel frozen and canned, very cylindrical, 9 inch ear with bell tip. Resistance: common rust. Similar: Jubilee. Adaptation: all processor areas in U.S. 2000.

Faith (2)—Breeder and vendor: Seedway. Parentage: F1 hybrid. Characteristics: 77 day relative maturity, white kernels Se genotype, plants 6–6 1/2" tall, 8" ear length, 16 kernel rows average. Similar: Silver Choice. Adaptation: eastern and mid south U.S. 2001 Seedway Commercial Veg-Seed Catalog. 2000.

First Class (SCH89013)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 70 days, white, 7.5" ear. 1999.

First Snow (Sch78001)—Breeder and vendor: IL Foundation Seeds. Characteristics: early, white, sh2. 1997.

Flavor King—Breeder and vendor: Stokes. Characteristics: 85 days, se, yellow.

Flavor Queen—Breeder and vendor: Stokes. Characteristics: 84 days, se, yellow.

Fleet—Breeder and vendor: Crookham Company. Characteristics: earliest se bicolor available.

For Heavens Sake (XP1073)—Breeder: Toni Waltrip. Vendor: Seminis Veg. Seeds—Petoseed. Characteristics: se, yellow, 79 days, ears 7–8". 1999.

Fortune Bicolor (SCH86138)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 75 days, yellow supersweet. Similar: Illini Gold.

Fresh Start (Sch66013)—Breeder and vendor: IL Foundation Seeds. Characteristics: first early, bicolor, sh2. 1998.

Friendship—Breeder: David Galinat. Vendor: Mesa Maize Inc. Characteristics: se.

Frosty—Breeder and vendor: Crookham Company. Characteristics: mid-season, white, se.

Gemini—Breeder and vendor: Stokes. Characteristics: 68 days, se, bicolor.

GH1676—Breeder and vendor: Rogers. Characteristics: 81 days, se, yellow.

GH1698—Breeder and vendor: Rogers. Characteristics: 81 days, su, yellow.

GH1703—Breeder and vendor: Rogers. Characteristics: 73 days, su, yellow.

GH1887—Breeder and vendor: Rogers. Characteristics: 78 days, su, yellow.

GH2419—Breeder and vendor: Rogers. Characteristics: 78 days, se-hetero, yellow.

GH2547—Breeder and vendor: Novartis. Characteristics: 85 days, Yellow, su. Resistance: Common Rust (Rp1d). Adaptation: Midwestern U.S.

GH2628—Breeder and vendor: Rogers. Characteristics: 86 days, su, yellow.

GH2684—Breeder and vendor: Rogers. Characteristics: 78 days, se-hetero, yellow.

GH2690—Breeder and vendor: Rogers. Characteristics: 85 days, su, yellow.

Golden Gourmet—Breeder and vendor: Harris Moran. Characteristics: 82 days, sh2, yellow.

Gran Rodeo (PS 7006 SEY)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: yellow sweetcorn; ears 14 to 16 inches long with 14 to 16 rows. Resistance: susceptible to common corn rust, northern corn leaf blight and Stewart's wilt. Similar: Pronto. Adaptation: South America, northeast United States. 2001.

Great White (SX 7103 SS W)—Breeder: René Beussen. Vendor: Seminis Veg. Seeds—Petoseed Brand. Characteristics: sh2, white, 72 days, 7" ear. 1998.

GSS-0966—Breeder and vendor: Novartis. Characteristics: 78 days, Yellow, sh2. Resistance: Common Rust (Rp1i). Adaptation: Florida.

GSS-0978—Breeder and vendor: Novartis. Characteristics: 77 days, Yellow, sh2. Resistance: Common Rust (Rp1i). Adaptation: Northeast U.S.

GSS-3710—Breeder and vendor: Rogers. Characteristics: 82 days, sh2, yellow.

GSS-6273—Breeder and vendor: Rogers. Characteristics: 82 days, sh2, yellow.

GSS-9299—Breeder and vendor: Novartis. Characteristics: 77 days, Yellow, sh2. Resistance: Common Rust (Rp1d).

GSS-9377—Breeder and vendor: Novartis. Characteristics: 83 days, Yellow, sh2. Resistance: Common Rust (Rp1d). Adaptation: Midwestern U.S.

Heritage (GH1685)—Breeder and vendor: Rogers. Characteristics: 81 days, su, yellow.

Hollywood (XP 8414617)—Breeder: Jim Thomasson. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: shrunken bicolor hybrid with superior kernel color contrast, main season maturity. Resistance: CCR. Similar: Cabaret. Adaptation: Processor—northern SA and Canada. 2000.

Honey Select—Breeder and vendor: Novartis. Characteristics: 79 days, Yellow, triple sweet. Adaptation: Northeast U.S., roadside markets, home garden trade.

Illini Xtrasweet (SCH 4109)—Breeder: J. Hove. Vendor: IFSI. Characteristics: 85 days, yellow, 8.5" ear. 1968.

Innovator—Breeder and vendor: Crookham Company. Characteristics: first sh2 with se modifiers ("augmented").

Intrigue—Breeder and vendor: Crookham Company. Characteristics: early heterozygous se processor.

Jackpot—Breeder and vendor: Novartis. Characteristics: 82 days, Bicolor, se. Resistance: Common Rust (Rp1d). Adaptation: Northeast U.S., roadside markets, home garden trade.

King Arthur—Breeder and vendor: Stokes. Characteristics: 66 days, se, yellow.

Kiss and Tell—Breeder and vendor: Stokes. Characteristics: 64 days, se, bicolor.

Lancelot—Breeder and vendor: Stokes. Characteristics: 80 days, se, bicolor.

Landmark—Breeder and vendor: Harris Moran. Characteristics: 75 days, sh2, yellow.

Legend (HMX 7345)—Breeder and vendor: Harris Moran. 1989.

Lobo (XP8414297)—Breeder: Todd Cutting. Vendor: Seminis—Asgrow Brand. Characteristics: main season maturity, processor. 1999.

Lonewolf (PS 8001 SSB)—Breeder and vendor: Petoseed. Characteristics: late, bicolor, sh2, shipper, excellent fresh market ear.

Majesty (SCH44134)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 78 days, bicolor, 7.8" ear. 1997.

Majesty White (SCH89134)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 78 days, white, 7.8" ear. 1999.

Maple sweet—Breeder and vendor: Stokes. Characteristics: 63 days, se, yellow.

Maverick—Characteristics: yellow, sh2, late processor.

Merlin—Breeder and vendor: Stokes. Characteristics: 84 days, se, yellow.

Milk N' Honey—Breeder and vendor: Stokes. Characteristics: 73 days, sh2, bicolor.

Mystique—Breeder and vendor: Crookham Company. Characteristics: midseason, se, bicolor.

Northern Xtrasweet (SCH 4004)—Breeder: J. Hove. Vendor: IFSI. Characteristics: 67 days, yellow, 9.0" ear. 1981.

Northern Xtrasweet Bicolor (SCH 4003)—Breeder: J. Hove. Vendor: IFSI. Characteristics: 72 days, yellow, 8.2" ear. 1982.

Nothstine Dent—Breeder and vendor: Johnny's.

Obsession (PS 9364169)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: shrunken bicolor sweet corn with excellent shipping ability, life cycle of 73 days, ears 8.5 inches long and 1.7 inches in diameter with 18–20 rows; shrunken

bicolor holding quality with kernels having SE characteristics. Resistance: intermediate to common corn rust and southern corn blight. Similar: Gourmet Sweets, Ultra Sweets. Adaptation: northeast, southeast and northwest U.S.; both fresh market and shipper. 2001.

Odyssey RR (Sch55144)—Breeder and vendor: IL Foundation Seeds. Characteristics: mid-late maturity bicolor, sh2. 1998.

Oh-So-Sweet (21856)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: main season 80-day cultivar, 8 inch ears 18 rows of tender kernels. Resistance: None noted. Similar: no cultivar like it. Adaptation: Wholesale and Home Garden. 2000.

Pinnacle—Breeder and vendor: Harris Moran. Characteristics: 77 days, sh2, yellow.

Punctuality (Variety 200 BC)—Breeder: David Galinat. Vendor: Mesa Maize Inc. Characteristics: se, bicolor.

Reveille—Breeder and vendor: Asgrow. Characteristics: yellow, su, early processor.

Royal Gold (27788)—Breeder: R. Patrick. 1954.

Ruby Pearl—Vendor: W. Atlee Burpee and Co.

Ruby Queen—Breeder: Seminis. Vendor: W. Atlee Burpee and Co. Characteristics: se, red, 75 days. 1999.

Rustler (HMX 6383S)—Breeder: Kenneth Christensen. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: high yielding sweet corn, possesses a good disease resistance package with a wide range of adaptation throughout many regional environments. Similar: Bandit. Adaptation: all growing areas. 1999.

Samson—Breeder and vendor: Crookham Company. Characteristics: early, yellow, sh2, processor.

Scrumptious—Breeder and vendor: Robson.

Seneca Arrowhead (RXB 6201)—Breeder and vendor: Petoseed. Characteristics: early, se, bicolor.

Seneca Dancer (RXB 8901)—Breeder and vendor: Robson. Characteristics: late, se, bicolor.

Seneca Horizon—Breeder and vendor: Robson. Characteristics: early, yellow, su.

Seneca Nation (PS 7403 SEB)—Breeder and vendor: Petoseed. Characteristics: midseason, se, bicolor.

Seneca Pronto (RXY 6506)—Breeder and vendor: Robson. Characteristics: early, yellow, se.

Seneca Sensation (RXW 6801)—Breeder and vendor: Robson. Characteristics: mid season, se, white.

Seneca Spring (PS 6402 SEB)—Breeder and vendor: Petoseed. Characteristics: early, se, bicolor.

Seneca Sugarburst (RXW 7501ss)—Breeder and vendor: Petoseed. Characteristics: midseason, white, sh2.

Seneca Tomahawk (RXB 6401)—Breeder: Paul Lilley. Vendor: SRS—Peto Brand. Characteristics: se bicolor, 64 day maturity, 7–8" ear. 1997.

Serendipity—Breeder and vendor: Novartis. Characteristics: 82 days, bicolor, triple sweet. Adaptation: Northeast U.S., roadside markets, home garden trade.

Silver #9 (Hi bt comp3 y)—Breeder: J. Brewbaker. Vendor: U. Hawaii. Characteristics: white, bt1, conversion of Hawaiian Supersweet #9 (6 backcrosses). 1998.

Silver Choice—Breeder: Mesa Maize. Vendor: Burpee. Characteristics: se, white, 75 days. 1994.

Silverado—Breeder and vendor: Harris Moran. Characteristics: 78 days, se, white.

Silverette—Breeder and vendor: Harris Moran. Characteristics: 79 days, se, white.

Snow White—Breeder and vendor: Harris Moran. Characteristics: 79 days, sh2, white.

Snowshoe (PS 6502 SEW)—Breeder and vendor: Robson. Characteristics: early, se, white.

Snowstorm (UFW 8029)—Breeder: B. Scully. Vendor: IFSI. Characteristics: white, sh2, fresh-market hybrid. 2000.

Sparkle Sweet—Breeder and vendor: Stokes. Characteristics: 67 days, se, bicolor.

Speedy Sweet—Breeder and vendor: Stokes. Characteristics: 63 days, se, bicolor.

Spring rush—Breeder and vendor: Harris Moran. Characteristics: 59 days, se, yellow.

Springsweet Super Sweet—Breeder and vendor: Stokes. Characteristics: 82 days, sh2, yellow.

Sprint (GH2628)—Breeder and vendor: Rogers. Characteristics: 73 days, su, yellow.

Stetson (XP 8414657)—Breeder: Tara Jacoby. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: nice kernel color and style, high yield potential, SH2 Gene, yellow kernel color. Resistance: CCR. Similar: Prime Plus. Adaptation: Florida, midwestern and eastern U.S. 2000.

Sugar Ace (HMX 2350)—Breeder and vendor: Harris Moran. Characteristics: 84 days, se, yellow. 1989.

Summer Pearl—Breeder and vendor: Stokes. Characteristics: 74 days, se, white.

Summit (FMX 413)—Breeder: Duane Jeffers. Vendor: Harris Moran Seed Co. Characteristics: white, sh2. Resistance: common rust.

Sun And Stars—Breeder: Seminis. Vendor: W. Atlee Burpee and Co. Characteristics: sh2, bicolor, 80 days. 1999.

Sun Volt (HMX 3360S)—Breeder: Thomas Natti. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: yellow SH2 shipping type, 80 day relative maturity, good husk appearance with fancy flags. Resistance: MM, CCR, Rpld. Similar: Bandit. Adaptation: California, midwestern and northeastern U.S., Mexico. 2000.

Sunset (XP3086)—Breeder: Todd Cutting. Vendor: SKS-Asgrow Brand. Characteristics: se, bicolor, late maturity, 9" ears. 1997.

Suregold (HMX 5375S)—Breeder: T. Kunkel. Vendor: Harris Moran Seed Co. Characteristics: 83 day, sh2, yellow.

Sweet Cheeks (HMX 5346E)—Breeder: Ed Snyder. Vendor: Harris Moran Seed Co. Characteristics: excellent eating quality, early maturity.

Sweet Dawn—Breeder and vendor: Harris Moran. Characteristics: 64 days, se, yellow.

Sweet Desire—Breeder and vendor: Stokes. Characteristics: 69 days, sh2, yellow.

Sweet Dreams—Breeder and vendor: Stokes. Characteristics: 77 days, sh2, yellow.

Sweet Heart—Breeder and vendor: Stokes. Characteristics: 65 days, sh2, bicolor.

Sweet Sal—Breeder and vendor: Harris Moran. Characteristics: 80 days, su, bicolor.

Sweet Satin (HMX 5349 WES)—Breeder: Thomas Natti. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: a sweetbreed hybrid, an SE crossed to sugary SH2, large ear, good eating quality with brilliant white kernels Resistance: MOM, Stewart's Wilt. Similar: Argent. Adaptation: northeastern, eastern coastal, midwestern, U.S. and California. 2000.

Sweet Scarlet (EX8453657)—Breeder: Todd Cutting. Vendor: Seminis-Asgrow Brand. Characteristics: se, red pericarp, midseason. 1999.

Sweet Start (HMX 5386)—Breeder and vendor: Harris Moran. 1989.

Sweeter Bi Far—Breeder and vendor: Harris Moran. Characteristics: 79 days, sh2, bicolor.

Tartan—Vendor: Johnny's. Characteristics: 84 days, sh2, bicolor.

Titan—Breeder and vendor: Crookham Co. Parentage: F1 hybrid. Characteristics: main season, yellow sh2 processor. Resistance: MDMV, CCR (Rpld). Similar: Trigger. Adaptation: North America. 2000.

Top-Notch—Breeder and vendor: Harris Moran. Characteristics: 73 days, sh2, bicolor.

Trinity—Breeder and vendor: Crookham Company. Characteristics: early mid—season, se, bicolor.

Tri-Sweet—Breeder and vendor: Stokes. Characteristics: 68 days, se, bicolor.

Twin Star (HMX6364BS)—Breeder: Dr. Thomas A. Natti. Vendor: Harris Moran Seed Co. Characteristics: main season, sh2, bicolor, multiple disease resistance.

Ultimate—Breeder and vendor: Harris Moran. Characteristics: 83 days, sh2, yellow.

Upmost—Breeder and vendor: Harris Moran. Characteristics: 72 days, sh2, yellow.

Vail—Breeder and vendor: Novartis. Characteristics: 78 days, white, sh2.

Waimanalo Supersweet (Hi346c x Hi38c)—Breeder: J. Brewbaker. Vendor: U. Hawaii. Characteristics: yellow bt1 Hi36c x Hi38c, tropical high quality. 1997.

Welcome (V 206 Exp BC10173)—Breeder: David Galinat. Vendor: Mesa Maize Inc. Characteristics: early bicolor, se.

White Magic—Breeder and vendor: Harris Moran. Characteristics: 73 days, su, white.

Windham—Breeder and vendor: Novartis. Characteristics: 79 days, white, sh2. Resistance: Common Rust (Rp1d).

Wizard (XPH 3130BC)—Breeder: Todd Cutting. Vendor: Seminis Veg Seeds-Asgrow Brand. Characteristics: se, bicolor, 76 days.

WSS3680—Breeder and vendor: Rogers. Characteristics: 83 days, sh2, white.

Xtrasweet 4427 (SCH 4427)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 70 days, bicolor, 7.5" ear. 1988.

Xtrasweet 5005 (SCH 5005)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 80 days, yellow, 8.2" ear. 1989.

Xtrasweet 55146 (SCH55146)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 82 days, bicolor, 7.8" ear. 1999.

Xtra-Tender Brand 171a (SCH90571RR)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 71 days, yellow, 16–18 kernel rows. 2000.

Xtra-Tender Brand 175a (SCH90572)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 75 days, yellow, 7.5" ear. 1999.

Xtra-Tender Brand 176a (SCH90582)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 76 days, yellow, 8.2" ear. 2000.

Xtra-Tender Brand 177a (SCH90581)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 77 days, yellow, 7.5" ear. 2000.

Xtra-Tender Brand 178a (SCH63352)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 78 days, yellow, 7.25" ear. 1999.

Xtra-Tender Brand 179a (SCH73112)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 79 days, yellow, 8.5" ear. 2000.

Xtra-Tender Brand 182a (SCH90589)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 79 days, yellow, 7.8" ear. 2000.

Xtra-Tender Brand 270a (SCH86815)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 70 days, bicolor, 8.0" ear. 1999.

Xtra-Tender Brand 271a (SCH96004)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 71 days, bicolor, 7.25" ear. 1999.

Xtra-Tender Brand 272a (SCH86126)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 72 days, bicolor, 8.0" ear. 1999.

Xtra-Tender Brand 273a (SCH74021)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 73 days, bicolor, 7.25" ear. 1999.

Xtra-Tender Brand 275a (SCH96874)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 75 days, bicolor, 7.8" ear. 1999.

Xtra-Tender Brand 276a (SCH96871)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 76 days, bicolor, 8.0" ear. 1999.

Xtra-Tender Brand 277a (SCH86810)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 77 days, bicolor, 7.5" ear. 1999.

Xtra-Tender Brand 278a (SCH74066)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 78 days, bicolor, 7.8" ear. 2000.

Xtra-Tender Brand 282a (SCH65145)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 82 days, bicolor, 7.5" ear. 2000.

Xtra-Tender Brand 372a (SCH98013)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 72 days, white, 7.5" ear. 2000.

Xtra-Tender Brand 374a (SCH98001)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 74 days, white, 7.5" ear. 1999.

Xtra-Tender Brand 376a (SCH98002)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 72 days, white, 7.5" ear. 2000.

Xtra-Tender Brand 378a (SCH98014)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 72 days, white, 16–18 kernel rows. 2000.

Xtra-Tender Brand 382a (SCH98015)—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 82 days, white, 7.5" ear. 2001.

Zenith—Breeder and vendor: Harris Moran. Characteristics: 81 days, sh2, yellow.

SWEETPOTATO

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Carolina Bunch—Breeder: USDA, Agr. Res. Serv., U.S. Vegetable Lab. and South Carolina Agr. Expt. Sta. Parentage: open pollinated seedling of Excel. Characteristics: light copper skin and deep orange flesh roots. Resistance: Fusarium wilt and low levels of resistance to *Streptomyces* soil rot. 1992.

Carolina Ruby—Breeder: North Carolina Agr. Res. Serv. Parentage: open pollinated seedling of Beauregard. Characteristics: red to purple-red skin and orange flesh roots. Resistance: fusarium wilt, soil rot. HortScience 34:155–156. 1999.

Darby—Breeder: Louisiana Agr. Expt. Sta. Parentage: open pollinated seedling of L 83–523. Characteristics: dark rose skin and orange flesh roots, blocky shape to roots, and purple stems. Resistance: fusarium wilt, soil rot. HortScience 30:398–399. 1995.

GA90-16—Breeder: Georgia Agr. Expt. Sta. and the USDA, Agr. Res. Serv., U.S. Vegetable Lab. Characteristics: white flesh roots, low sugar and maltose content, reduced aroma, and firm texture. Resistance: Fusarium wilt, southern root-knot nematode, flea beetles. 1999.

Papota—Breeder: USDA, Agr. Res. Serv., Tropical Agr. Res. Sta. Parentage: International Institute of Tropical Agr. seedling. Characteristics: white skin and beige roots, turnip shaped roots. Resistance: moderately susceptible to the sweetpotato weevil. 1985.

Redglow—Breeder: Georgia Agr. Expt. Sta. and the California Agr. Expt. Sta. Parentage: open pollinated seedling of GA-109. Characteristics: light, purple-red skin, and deep orange flesh. Resistance: Fusarium wilt and southern root-knot nematode. 1992.

Ruddy—Breeder: USDA, Agr. Res. Serv., U.S. Vegetable Lab. and South Carolina Agr. Expt. Sta. Parentage: open pollinated seedling of W-119. Characteristics: red skin and orange flesh roots, roots fusiform and uniformly shaped, dense leaf canopy. Resistance: Fusarium wilt and southern root-knot nematode. 1999.

TOMATO

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Affirm (STM 2102)—Breeder and vendor: Sakata Seed America. Characteristics: F1 hybrid, fresh market, large determinate, late season, deep oblate, firm good flavor, uniform shoulder. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker. 1995.

Alondra (E43515)—Breeder and vendor: Enza Zaden. Characteristics: F1 hybrid, indeterminate fresh-market type. Resistance: bacterial spot. Adaptation: Mexico. 1999.

Alta Royal (90-37)—Breeder and vendor: Dessert's Cal Seed. Characteristics: F1 hybrid, dual purpose determinate, 100 g fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck. Adaptation: wide. 1995.

AP 529—Breeder and vendor: Asgrow. Characteristics: midseason maturing hybrid, very firm pear type fruit for peel, dice and slice, very good color, medium, determinate vine, consistent performer, widely adapted. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck. 1998.

AP 533—Breeder and vendor: Asgrow. Characteristics: midseason maturing hybrid with very firm classic, pear type fruit for peel, dice and slice, very good color, medium-large, determinate vine. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck, 1998.

AP 539—Breeder and vendor: Asgrow. Characteristics: midseason maturing hybrid with very firm, irregular blocky fruit, excellent color, high soluble solids and medium high viscosity, especially suitable for

products, medium, determinate vine. Resistance: verticillium race 1, fusarium wilt races 1 and 2. 1998.

APT 266—Breeder and vendor: Asgrow. Characteristics: second early maturing hybrid with firm blocky fruit for peel and products, medium high soluble solids, good color, medium, determinate vine. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck. 1996.

APT 403—Breeder and vendor: Asgrow. Characteristics: early maturing, blocky fruited, jointless, small determinate vine, heat-tolerant. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck. Adaptation: California 1997.

APT 410—Breeder and vendor: Asgrow. Characteristics: second early maturing hybrid, very firm, blocky fruit with excellent color and medium-high soluble solids, highly suitable for peel and dice, low stem retention, consistent performer, widely adapted, medium, determinate vine. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck. 1997.

Atila—Breeder and vendor: Harris Moran. Characteristics: F1 hybrid, fresh market, indeterminate, large saladette. Resistance: Adaptation: Mexico.

Atomic (STM 2101)—Breeder and vendor: Sakata Seed America. Characteristics: F1 hybrid, fresh market, determinate, deep oblate to globe shape, uniform shoulder, small blossom scar. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker.

Attention (43511)—Breeder and vendor: Enza Zaden. Characteristics: F1 hybrid. Adaptation: North America. 1997.

Aza Fran—Vendor: Johnny's Selected Seed. Characteristics: F1 hybrid, fresh market, indeterminate, small yellow fruit, balanced flavor.

Baby Beef—Breeder and vendor: Burpee. 1999.

Baqueano (24761)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: medium determinate plant, saladette plum fruit with uniform color and is jointless; 75–90 grams, main to early season, Rio Grande type. Resistance: ASC, BSK, FW, ST, V. Similar: Spiral. Adaptation: Mexico and Central U.S. 2000.

Barbarian (HMX 0796)—Breeder: Jean Clause Mercier. Vendor: Harris Moran/Clause. Parentage: F1 hybrid. Characteristics: large indeterminate saladette for open field production. Resistance: VFFN, TMV, Forl. Similar: Tequila. Adaptation: northwest Mexico. 2000.

Benchmark 402 (92-402)—Breeder and vendor: Dessert's Cal Seed. Characteristics: F1 hybrid, fresh market, determinate vine, large fruit, long shelf life. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot, nematodes, tomato mosaic virus. 1995.

Best Boy—Breeder and vendor: Burpee. 1999.

Better Brandywine—Breeder and vendor: Burpee.

BHN 189—Breeder and vendor: BHN Seed. Characteristics: F1 hybrid, fresh market, high heat and humidity fruit set, tall determinate vine, uniform green shoulder, globe shape and firm fruit. Resistance: verticillium wilt race 1, fusarium wilt race 1 and 2, gray leaf spot. 1996.

BHN 444—Breeder and vendor: BHN Seed. Characteristics: F1 hybrid, fresh market, first tomato spotted wilt virus resistant cultivar released in the eastern U.S., medium tall determinate vine, uniform green shouldered, globe shape and firm fruit. Resistance: verticillium wilt race 1, fusarium wilt race 1 and 2, gray leaf spot, tomato spotted wilt virus. 1997.

Big Bartlett—Breeder and vendor: W. Atlee Burpee and Co. Parentage: F1 hybrid. 2000.

Big Mama—Breeder: Seminis Vegetable Seeds. Vendor: W. Atlee Burpee Co. Characteristics: enormous pear-shaped paste tomato; meaty and solid; 3 inches across; indeterminate (not bush) type; heavy yield spread out over long season; 80 day maturity. Adaptation: U.S. 2001.

Big Shot—Breeder and vendor: Burpee. 1999.

BJ's Classic Pink (155068)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, indeterminate, large pink beef type. Adaptation: home gardens. 1999.

Brandy Boy—Breeder and vendor: W. Atlee Burpee and Co. Parentage: F1 hybrid. Characteristics: Brandywine type; pink colored

fruit; potato leaf. Adaptation: U.S. 2002.

Brian (131782)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: elongated, jointless saladette similar to Clemente, but with TMV resistance, determinate plant. Resistance: ASC, Nematode, BSR, FW, St, ToMV, V. Similar: Clemente. Adaptation: Florida, South Carolina, South America. 2000.

Bucks County—Breeder and vendor: Burpee.

Burpee Bunch—Breeder and vendor: Burpee.

Burpee's Burger (150053)—Breeder and vendor: W. Atlee Burpee and Co. Parentage: F1 hybrid. Characteristics: fruit are 14–18 oz., has vigorous and indeterminate plant habit; smoother shoulder, high in sugar and acid with extra flavor. Resistance: V, FL, F2, T, ASC, ST. Similar: Big Beef. Adaptation: wide. 2000.

Captiva (PS 843294)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, large determinate, light green shoulder, early-midseason maturity, deep oblate, extra firm fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1, 2, and 3, gray leaf spot, alternaria stem canker. Adaptation: Florida. 1996.

Carolina Gold (NC 9267)—Breeder: North Carolina State Univ., Fletcher. Vendor: Novartis. Parentage: NC 1y PVP x NC 2y PVP. Characteristics: F1 hybrid, orange fruit (tangerine gene), fresh market, tall determinate, midseason, light green shoulders, deep oblate. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, graywall. 1996.

Classy Lady (SXT 6580)—Breeder and vendor: Sunseeds. Characteristics: F1 hybrid, fresh market, determinate, late season, large fruit, smooth blossom scars. Resistance: fusarium wilt race 1, verticillium wilt race 1, nematodes, gray leaf spot, alternaria stem canker. Adaptation: California mid-September to late October. 1992.

Cluster Grande (190565)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Red harvest, fresh market indeterminate, round, medium size fruit, very uniform UG to shining red. Resistance: ASC, FW, ToMV, V. Similar: Monica. Adaptation: home garden. 2000.

Conquistador (6252)—Breeder and vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: midseason (80 days) maturity, medium large vine, determinate, good ground culture or short stakes good cover, strong, Saladette/Roma type. Resistance: TVW race 1, nematode, fusarium wilt races 1, 2, BS. Similar: Yaqui. Adaptation: regional; South America and Mexico. 2000.

Cortez (SXT 6237)—Breeder and vendor: Sunseeds. Characteristics: F1 hybrid, fresh market, large determinate, roma/saladette fruit, very firm, for ground or short stake culture. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck. Adaptation: Mexico on marginal ground. 1997.

Cronos (T 1019)—Breeder and vendor: Sunseeds. Characteristics: F1 hybrid, fresh market, early season, large-fruit, firm. Resistance: Adaptation: greenhouse, stake or ground culture, single or cluster harvest, Middle East and Mexico. 1991.

Cyriuss (PS 628495)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market saladette, medium determinate, deep blocky 95 g fruit, arthritic stem, heat-tolerant. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, bacterial speck race 0. Adaptation: Mexico, Texas, South America. Similar: Yaqui.

Daiquiri—Breeder and vendor: Vilmorin. Characteristics: F1 hybrid, determinate roma type, early season, long oval shape, concentrated fruit set, very firm, excellent internal quality and flavor, sets fruit under difficult conditions.

Danson 112—Breeder and vendor: Danson Seed. Characteristics: F1 hybrid, fresh market, vigorous semi-determinate, large, firm, crack resistant. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker. Adaptation: main season for Baja California, and California. 1998.

Danson 145—Breeder and vendor: Danson Seed. Characteristics: F1 hybrid, fresh market, upright determinate for ground or stake, large, flattened globe, concentrated set, very firm, long shelf life, small blossom scar. Resistance: Adaptation: California and Mexico. 1998.

Danson 149—Breeder and vendor: Danson Seed. Characteristics: F1 hybrid, fresh market, vigorous semi-determinate, large fruit, long shelf life, small blossom scar, excellent interior and exterior fruit

quality. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tomato mosaic virus. Adaptation: early plantings in Sinaloa, Mexico, main and late seasons in Baja, California and California. 1998.

Danson 152—Breeder and vendor: Danson Seed. Characteristics: F1 hybrid, fresh market, vigorous, early season, very firm large fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tomato mosaic virus, alternaria stem canker. 1998.

Delaila 404 (92-404)—Breeder and vendor: Dessert's Cal Seed. Characteristics: F1 hybrid, fresh market, determinate, deep globe 170–200 g fruit, long shelf life. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker, nematodes, tomato mosaic virus. 1995.

Delicia (92-66)—Breeder and vendor: Dessert's Cal Seed. Characteristics: F1 hybrid, fresh market, indeterminate, deep oblate, 200 g fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tomato mosaic virus, alternaria stem canker. Adaptation: greenhouse production. 1995.

DeVile (PS 203495)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, large determinate, midseason, deep oblate, uniform green, firm. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, nematodes, alternaria stem canker, tomato mosaic virus. Adaptation: California mature green harvest. Similar: Shady Lady. 1998.

Dynamo (T1019)—Breeder and vendor: Sunseeds. Characteristics: F1 hybrid, greenhouse cluster type, indeterminate, mid-late season, uniform clusters, sets well in high temperatures. Resistance: blotchy ripening, blossom end rot, verticillium wilt race 1, fusarium wilt races 1 and 2, tomato mosaic virus. 1995.

EF 99—Breeder and vendor: Asgrow. Characteristics: F1 hybrid, fresh market, tall determinate vine, very large fruit, uniform-shouldered, globe to deep oblate, very firm fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. 1997.

EF 110—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: extended shelf life hybrid with fruit that are very smooth; medium tall plant, good foliage cover, fresh market, tall vigorous determinate vine, large to very large fruit, uniform-shouldered, deep oblate, exceptionally firm fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot, tobacco mosaic virus. Similar: no cultivar like it. Adaptation: West Mexico. 1997.

EF 163—Breeder and vendor: Asgrow. Characteristics: F1 hybrid, fresh market, tall determinate vine, very large fruit, uniform-shouldered, globe to deep oblate, very firm fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot, tobacco mosaic virus. 1997.

El Cano (XP 2508410)—Breeder: Brad Kortsen. Vendor: Seminis. Parentage: F1 hybrid. Characteristics: Full season maturity saladette, uniform green, jointless. Resistance: V, F, Sp, T, TSWV. Similar: Yaqui. Adaptation: Mexico, Central South America. 2000.

Emperador (PS 804393)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, determinate vine, good flavor, midseason, extra large deep oblate fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematode, tobacco mosaic virus. 1995.

Exito 401 (92-401)—Breeder and vendor: Dessert's Cal Seed. Characteristics: F1 hybrid, fresh market, determinate, 200-230 g fruit, globe to deep globe. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Adaptation: arid and semi-arid production areas. 1995.

Firenze (PS 8094)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market roma/saladette, determinate, midseason, elongated cylindrical fruit, good color. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Adaptation: California. Similar: Hybrid 882. 1998.

Flavor Boy (HMX 3794)—Breeder and vendor: Harris Moran. Characteristics: F1 hybrid, fresh market, high yield, uniform fruit, good quality, color and flavor. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Adaptation: broad, home garden. 1999.

Flora Terrific (90-91)—Breeder and vendor: Dessert's Cal Seed.

Characteristics: F1 hybrid, indeterminate, 240 g deep globe fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. Adaptation: greenhouse production.

Floralina (NC 9547)—Breeder: North Carolina State Univ., Fletcher and Univ. of Florida, Bradenton. Vendor: Petoseed. Parentage: FLA 7547 x NC 84173 PVP. Characteristics: F1 hybrid, fresh market, large, flattened globe, light green shoulders, early midseason, medium tall determinate. Resistance: verticillium wilt race 1, fusarium wilt races 1, 2 and 3, gray leaf spot, alternaria stem canker. Adaptation: Eastern United States. 1997.

Florida 47 (XPH 10047)—Breeder and vendor: Asgrow. Characteristics: F1 hybrid, fresh market, vigorous determinate, midseason, very large, firm, deep oblate to globe fruit, smooth blossom scar. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. Adaptation: Florida. 1997.

Florida 91 (XP 10091)—Breeder and vendor: Asgrow. Characteristics: F1 hybrid, fresh market, medium determinate, heat-tolerant, early-midseason, large flat round fruit, light green shoulders, smooth blossom scars. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, gray leaf spot, alternaria stem canker. Adaptation: Florida and southeastern United States. 1999.

French Rose—Breeder and vendor: Burpee. 1999.

FTE 30 (870494)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, tall determinate, green shoulder, large fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. 1997.

Gem Pear (PS 634595)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, processor, medium size deep square (70 g). Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematode, TYLCV. 1996.

Gempride (PS 633595)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, large determinate plant, medium square with extended set for processing or fresh market. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, TYLCV. 1996.

Giant Valentine (PS 632095)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: fresh market type; giant plum shaped tomato, indeterminate plant, uniform green fruit, mid maturity, 6 oz. fruit. Resistance: Alternaria stem canker, fusarium wilt races 1 and 2, gray leaf spot, verticillium wilt race 1. Similar: no cultivar like it. Adaptation: home garden; U.S. 2001.

Gloria (92-65)—Breeder and vendor: Dessert's Cal Seed. Characteristics: F1 hybrid, fresh market, indeterminate, 230 g deep oblate fruit. Adaptation: greenhouse production. 1995.

Golden Girl (012013)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid fresh market, gold colored fruit, early-midseason, large, firm. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tomato mosaic virus. Adaptation: home garden. Similar: Mountain Gold. 1997.

Granny Smith (PS 74696)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, large determinate vine, apple green fruit, long shelf life, green color, firm. Resistance: verticillium wilt race 1, fusarium wilt race 1. Adaptation: home garden. 1998.

HA-3026—Breeder and vendor: Hazera. Characteristics: F1 hybrid, fresh market, semi-determinate, midseason, medium large fruit, deep oblate, firm, long shelf life, uniform green shoulders. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tomato mosaic virus. 1999.

HA-3027—Breeder and vendor: Hazera. Characteristics: F1 hybrid, fresh market, semi-determinate, midseason, large, deep oblate, firm, long shelf life, uniform green shoulders. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tomato mosaic virus. 1999.

HA-3028—Breeder and vendor: Hazera. Characteristics: F1 hybrid, fresh market, semi-determinate, large globe fruit, firm, long shelf life, uniform green shoulders. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tomato mosaic virus, nematodes. 1999.

HA-3034—Breeder and vendor: Hazera. Characteristics: F1 hybrid, fresh market, compact determinate, early season, concentrated fruit set, large fruit, oblate, medium firm, green shoulders. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tomato mosaic virus. 1999.

HA-3801—Breeder and vendor: Hazera. Characteristics: F1 hybrid, fresh market, semi-determinate, roma type, firm, uniform green shoulders, midseason. Resistance: spotted wilt virus, bacterial speck, verticillium wilt race 1, fusarium wilt races 1 and 2. 1999.

HealthKick (25320)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, medium large plant, deep blocky fruit, uniform green shoulders, firm, uniform size, good color. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker, bacterial speck, spotted wilt virus. Adaptation: home gardens United States. Similar: Aztec. 1999.

HM 2824 (HMX 2824)—Breeder and vendor: Harris Moran. Characteristics: F1 hybrid, fresh market, medium large determinate, large, firm fruit, smooth blossom end, small stems. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Adaptation: northeastern United States. 1990.

HM 2867 (HMX 2867)—Breeder and vendor: Harris Moran. Characteristics: F1 hybrid, processing, medium-large determinate, elongated square, high yields. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes. Adaptation: early in San Joaquin Valley, California. 1990.

HM 4700 (HMX 4700)—Breeder and vendor: Harris Moran. Characteristics: F1 hybrid, fresh market, large determinate, firm, uniform fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes. Adaptation: California, Mexico. 1992.

HM 4878 (HMX 4878)—Breeder and vendor: Harris Moran. Characteristics: F1 hybrid, processing for peel, dice and paste, good solids and viscosity, large, firm square shape. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes. Adaptation: midseason in California. 1997.

Hy-Color (PS 31212)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, processing, large determinate plant, midseason, deep square round 65 g fruit, good peeler, jointless pedicel. Resistance: verticillium wilt race 1, fusarium wilt race 1, gray leaf spot, alternaria stem canker, bacterial speck, nematodes. Adaptation: midwestern and northeastern U.S. Similar: Hypeel 676. 1999.

Jetsetter (012633)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, indeterminate, large smooth fruit, light green shoulder. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker, nematodes, tomato mosaic virus. Adaptation: home gardens United States. Similar: Jack. 1998.

Kamuka (173992)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: processor tomato, large determinate plant, deep blocky fruit, firm. Resistance: ASC, FW, H, St, TSWV, V. Similar: PS 52815. Adaptation: Argentina, South Africa. 2000.

Kyndia—Breeder and vendor: Johnny's Selected Seeds. Characteristics: F1 hybrid, fresh market, medium-large fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tomato mosaic virus, corky root rot, nematodes. Adaptation: Rootstock for greenhouses with corky root or nematodes.

Legend (OSU-195)—Breeder: J.R. Baggett. Vendor: Oregon State Agricultural Experiment Station. Parentage: Centennial x Osu-167. Characteristics: determinate, parthenocarpic, most seedless, early maturing, large fruited, resistant to races of late blight. Similar: Siletz and Oregon Spring. Adaptation: Pacific northwest and other cool areas. 2000.

Lenor—Breeder and vendor: Sunseeds. Characteristics: F1 hybrid, fresh market, large determinate, medium-large fruit, long shelf life, outstanding fruit quality and color. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot. Adaptation: Florida, Mexico. 1995.

Little Girl (N/A)—Breeder and vendor: W. Atlee Burpee and Co. Parentage: F1 hybrid. Characteristics: cherry tomato, early tasty fruit weighs 16 to 21 grams, high sugar content and sweet taste; plants have short internodes, with indeterminate growth habit. Resistance: V, F1,2, ToMV, N. Similar: Super Sweet 100. Adaptation: wide. 2000.

Lumina (90-22)—Breeder and vendor: Dessert's Cal Seed. Characteristics: dual purpose, determinate, 130 g blocky deep globe fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2,

alternaria stem canker, nematodes. Adaptation: wide. 1995.

Luscious (PS 150053)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: indeterminate plant, beef type fruit, large deep oblate, green shoulder, smooth, very good flavor. Resistance: ASC, FW, St, ToMV, V. Adaptation: home garden. 2000.

Madona (92-75)—Breeder and vendor: Dessert's Cal Seed. Characteristics: F1 hybrid, fresh market, semi-determinate, deep oblate fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, nematodes, tomato mosaic virus. 1995.

Mandarin Joy (25140)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, large plant, 105 g blocky fruit. Resistance: verticillium wilt race 1, fusarium wilt race 1, gray leaf spot, alternaria stem canker, nematodes. Adaptation: home gardens United States. 1998.

Margarith (STM 5810)—Breeder and vendor: Sakata. Characteristics: F1 hybrid, fresh market, large roma type. 1998.

Marina (STM 4808)—Breeder and vendor: Sakata Seed America. Characteristics: F1 hybrid, fresh market, roma. Resistance: verticillium wilt race 1, fusarium wilt race 1 and 2, nematodes, alternaria stem canker, gray leaf spot, bacterial speck race 0. Adaptation: California, Florida, Mexico. 1996.

Micro-Gemma (Fla. 7878)—Breeder and vendor: Univ. of Florida, Bradenton. Parentage: Micro-Gold x PI 270248 (Sugar). Characteristics: miniature dwarf, determinate, 6 g fruit, uniform green shoulders, early, gold fruit color. Resistance: fusarium wilt race 1, gray leaf spot. Adaptation: greenhouse culture in small pots or hanging baskets. Similar: Micro-Gold. 1999.

Micro-Tina (Fla. 7876)—Breeder and vendor: Univ. of Florida, Bradenton. Parentage: Micro-Tom x PI 270248 (Sugar). Characteristics: miniature dwarf, determinate, 6 g fruit, uniform green shoulders, early, sweeter flavor than Micro-Tom. Resistance: fusarium wilt race 1, gray leaf spot. Adaptation: greenhouse culture in small pots or hanging baskets. Similar: Micro-Tom. 1999.

Mingo (XPH 5979)—Breeder and vendor: Asgrow. Characteristics: dual purpose hybrid pear-elongate fruit type. Full season maturity. Large, determinate vine. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck. 1997.

Miramar (118253)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: indeterminate medium vigorous plant, medium internode, oblate fruit, 150–180 grams, slightly ribbed. Resistance: ASC, FW 1&2, N, ToMV, V. Similar: Gloria. Adaptation: Mexico. 2000.

Monica (STM 5810)—Breeder and vendor: Sakata Seed America. Characteristics: F1 hybrid, fresh market, roma type, large, firm. Resistances: Adaptation: California and Mexico. 1998.

Monroe—Breeder and vendor: Johnny's Selected Seeds. Characteristics: F1 hybrid, fresh market, early season, good shelf life and color. Resistance: fusarium wilt races 1 and 2, tomato mosaic virus.

Monte Verde PVP (NC 73388)—Breeder: North Carolina State Univ., Fletcher. Vendor: Ferry-Morse. Parentage: F7 from Flora-Dade x Summit. Characteristics: Fresh market, tall determinate, mid-late season, large, deep oblate to flattened globe, green shoulders, small blossom scar, jointless. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. Similar: 'Colonial' but smoother blossom scars. Adaptation: eastern United States. HortScience 34:940. 1999.

My Baby—Breeder and vendor: Burpee. 1999.

Nautico (FMX 1023)—Breeder: Court Nichols. Vendor: Harris Moran. Characteristics: F1 hybrid. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes, bacterial speck. 1997.

Octavio—Vendor: Johnny's Selected Seed. Characteristics: F1 hybrid, fresh market, indeterminate, small fruit, uniform ripening, extended shelf life, cluster type.

Park's Early Challenge (012-405)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, tall, indeterminate, early maturity, medium (110–130 g) fruit size, fine flavor, long shelf life. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tomato mosaic virus. Adaptation: home garden. Similar: Early Girl.

Pegasus (T 5920)—Breeder and vendor: Sunseeds. Characteris-

tics: F1 hybrid, fresh-market greenhouse type, vigorous indeterminate vine, midseason maturity, large elongated fruit, excellent shelf life, performs well in cool weather. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tomato mosaic virus. Adaptation: North America, Spain, Morocco, Turkey, and other Mediterranean countries. 1996.

Pera Mia (BOS 351)—Breeder and vendor: Orsetti Seed Company, Inc. Parentage: F1 hybrid. 2000.

PickRipe 504LSL (PS 504495)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, heat-tolerant, large-extra large fruit, extra firm determinate. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. 1998.

Pik Ripe 193—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, compact determinate, large, firm fruit, long shelf life. Resistance: nematodes. Adaptation: California mature green or vine ripe. 1994.

Porterhouse—Breeder and vendor: W. Atlee Burpee and Co. Characteristics: giant hybrid tomato. 2000.

PS 57990—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, determinate, large fruit, uniform green shoulders, firm. Resistance: nematodes. Adaptation: Fall ground production in California. 1997.

PS 150046—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, roma type, jointless, high yielding. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, fusarium crown and root rot, bacterial speck, nematodes, gray leaf spot, alternaria stem canker. Adaptation: eastern United States and California. 2000.

PS 150440—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, midseason, medium to large, firm, deep oblate, smooth blossom scars. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tomato mosaic virus, alternaria stem canker, nematodes, TYLCV. Adaptation: California. 2000.

QualiT 21 (RFT 5021)—Breeder and vendor: Novartis. Characteristics: F1 hybrid, fresh market, determinate, large fruit, uniform green shoulder, firm. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tomato mosaic virus, gray leaf spot. Adaptation: mid to late season in California and Baja, Mexico. 1998.

QualiT 23 (RFT 5023)—Breeding and vendor: Novartis. Characteristics: F1 hybrid, fresh market, determinate, midseason, large, globe, firm, uniform green shoulders. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, tomato mosaic virus. Adaptation: Central Valley of California. 1998.

Rafter (XP 12255)—Breeder: Brad Korlsen. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: Midseason, fresh market, determinate, flattened globe shape, uniform green, jointed. Resistance: N, ASC, St, V, F 1&2. Similar: Shady Lady. Adaptation: California, South America. 2000.

Red Agate—Vendor: Johnny's Selected Seed. Characteristics: F1 hybrid processing, midseason, deep red, pear shape. Resistance: bacterial wilt.

Red Satin—Breeder and vendor: Burpee.

Regency GH 403 (92-403)—Breeder and vendor: Dessert's Cal Seed. Characteristics: F1 hybrid, indeterminate, fresh market, 200–230 g globe to deep globe fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker, nematodes, tomato mosaic virus. 1995.

Rio Doral (90-15)—Breeder and vendor: Dessert's Cal Seed. Characteristics: F1 hybrid, dual purpose, determinate, 100 g fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, bacterial speck. Similar: Rio Grande. 1995.

Road Runner (PS 78250)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Medium determinate vine, extra large fruit, uniform green, jointed, heat set. Resistance: ASC, FW, N, St, ToMV, V-1. Similar: Sunpride. Adaptation: Northeastern and Southeastern U.S. 2000.

Rock Star (PS 513595)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Medium large determinate plant, medium sized deep oblate fruit, 140–160 grams, jointed, long shelf life. Resistance: ASC, F-1&2, St, V-1. Similar: Heatmaster. Adaptation: Caribbean, southeast Asia. 2000.

Sandra (43506)—Breeder and vendor: Enza Zaden. Characteristics: F1 hybrid. Adaptation: North America. 1997.

Sanibel (PS 826693)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, large determinate, jointless, light green shoulder, midseason maturity, deep oblate, extra firm fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, nematodes, alternaria stem canker. Adaptation: Florida. 1995.

Show Girl (SXT 6569)—Breeder and vendor: Sunseeds. Characteristics: F1 hybrid, fresh market, determinate, mid-late season, large globe fruit, smooth blossom scar, easy stem removal. Resistance: fusarium wilt race 1, verticillium wilt race 1, nematodes, gray leaf spot, alternaria stem canker. Adaptation: central and northern California. 1992.

Sierra Madre (42512)—Breeder and vendor: Enza Zaden. Characteristics: F1 hybrid. Adaptation: North America. 1997.

Sivestre (XP 12299)—Breeder: Tara Jacoby. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: Indeterminate saladette, fresh market, extra large fruit size, uniform green, productive. Resistance: ASC, St, FW 1&2, V-1. Similar: Tequila (Vilmorin). Adaptation: Mexico, Argentina. 2000.

Sonnet—Breeder and vendor: Asgrow. Characteristics: F1 hybrid, fresh market, compact plant, large and extra large size, uniform-shouldered, globe, ultra firm fruit for ground culture. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot, tobacco mosaic virus. Adaptation: California Central Valley. 1998.

Stallion (17484)—Breeder and vendor: Harris Moran. Characteristics: F1 hybrid, fresh market, determinate saladette type, firm, uniform shape and size. Resistance: Adaptation: Mexico. 1999.

SUN 0289 (SXT 0289)—Breeder: Susan Peters. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: Early fresh market/saladette hybrid with vigorous indeterminate vine. 100–120 grams fruit size. High yield, uniform sized fruit with excellent color and interior quality. Resistance: VW race 1, FW 1&2, TMV, BS. 2001.

SUN 7705 (SXT 7705)—Breeder: Susan Peters. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: Midseason fresh market/saladette hybrid with vigorous, indeterminate vine, wide adaptation, performed well in Baja, Sinaloa, Sonora; good yields, fruit are tolerant to cracking, 120–140 grams fruit size. Resistance: VW race 1, FW 1 and 2, nematodes, TMV, BS. Adaptation: wide. 2001.

Sun Chaser (PS 647095)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, medium-large determinate, heat tolerant, early-midseason maturity, deep oblate, firm. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. Adaptation: Southeastern United States. Similar: Solar Set. 1999.

Sun Sugar (TOK 810811)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, indeterminate vine, golden cherry fruit, early, crack resistant, high sugar content. Resistance: fusarium wilt race 1, tomato mosaic virus. Adaptation: home garden. 1999.

Sunchief (XP 10081)—Breeder and vendor: Asgrow. Characteristics: F1 hybrid, fresh market, tall determinate, early-midseason, large uniform green shouldered fruit, smooth blossoms, concentrated set. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot (intermediate). Adaptation: northeastern United States, Ontario and Quebec, Canada. 1999.

Sungem (XPH 10045)—Breeder and vendor: Asgrow. Characteristics: F1 hybrid, fresh market, medium determinate vine, deep oblate large to extra large fruit, main season vine ripe, firm, uniform green shoulder, excellent flavor. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. Adaptation: east. 1996.

Sunguard (XP 10089)—Breeder and vendor: Asgrow. Characteristics: F1 hybrid, fresh market, medium determinate, midseason, medium to large uniform green shoulder, firm, deep oblate fruit. Resistance: fusarium wilt races 1, 2 and 3, verticillium wilt, alternaria stem canker, gray leaf spot (intermediate). Adaptation: eastern United States. 1999.

Sunoma (131720)—Breeder: Tara Jacoby. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: Elongated saladette, larger fruit than 822, larger vine. Resistance: N, BSK, FW 1&2,

ToMV, V. Similar: Hybrid 882. Adaptation: Mexico. 2000.

Sunpak (XP 10069)—Breeder and vendor: Asgrow. Characteristics: F1 hybrid, fresh market, short determinate, medium-large fruit, early-midseason, uniform green shoulder, very firm, smooth blossom scar. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. Adaptation: southeastern United States. 1999.

Sunshine (XP 10074)—Breeder and vendor: Asgrow. Characteristics: F1 hybrid, fresh market, short determinate, early season, large deep oblate fruit, smooth blossoms. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. Adaptation: northeastern United States, Ontario and Quebec, Canada. 1999.

Sunstart (XPH 10026/Pikquick)—Breeder and vendor: Asgrow. Characteristics: F1 hybrid, fresh market, compact determinate, early season, concentrated fruit set, large deep oblate. Resistance: Adaptation: northern United States, Canada. 1997.

Sunstation (XP 10084)—Breeder and vendor: Asgrow. Characteristics: F1 hybrid, fresh market, short determinate, midseason maturity, large fruit, firm for vine ripeness. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. Adaptation: eastern and midwestern United States. 1999.

Sweet Baby Girl (21368)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Cherry tomato, 18–25 gram fruit, good shelf life, dark red, open plant, short internode, cold tolerant. Resistance: None noted. Similar: Cherry Belle. Adaptation: Home Garden. 2000.

Sweet Cluster (012 890)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, indeterminate vine, cluster harvest, 7–8 fruit per cluster, round to deep oblate, 100–120 g, glossy, deep red. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes, tomato mosaic virus, cladosporium leaf mold (*Cf-5*). Adaptation: home garden. 1998.

Sweet Tangerine (PS 839894)—Breeder: Jim Waltrip. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Large, relatively firm fruit, smooth golden color, medium early maturity. Resistance: ASC, FW, N, St, To, Vert. Similar: Mountain Gold. Adaptation: home garden. 2000.

SXT 0289—Breeder and vendor: Sunseeds. Characteristics: F1 hybrid, fresh market, vigorous indeterminate saladette type, early-midseason, uniform size, excellent color. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tomato mosaic virus, bacterial speck. Adaptation: Baja, Sonora, Sinaloa, Nayarit and Michoacan, Mexico. 1999.

SXT 6245—Breeder and vendor: Sunseeds. Characteristics: F1 hybrid, fresh market, determinate, early to midseason, saladette type, 130 g fruit, firm. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes. Adaptation: Mexico. 1998.

SXT 6252—Breeder and vendor: Sunseeds. Characteristics: F1 hybrid, fresh market, medium large determinate, roma/saladette type. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck. Adaptation: Mexico and South America. 1998.

SXT 6615—Breeder and vendor: Sunseeds. Characteristics: F1 hybrid, fresh market, medium-large determinate, midseason maturity, large fruit, globe shape, uniform green shoulders. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. Similar: Shady Lady. Adaptation: California and Florida. 1996.

SXT 6624—Breeder and vendor: Sunseeds. Characteristics: F1 hybrid, fresh market, medium-large determinate, large uniform ripening fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Adaptation: California. 1999.

SXT 7705—Breeder and vendor: Sunseeds. Characteristics: F1 hybrid, fresh market, vigorous indeterminate, saladette type, crack tolerant. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tomato mosaic virus, bacterial speck. Adaptation: Baja and parts of Sonora, Mexico. 1999.

Tara (XP671)—Breeder: Tara Jacoby. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: Saladette, jointed, uniform growth, later than Hybrid 882. Resistance: N, BSK, FW 1&2, ToMV, V. Similar: Hybrid 882. Adaptation: Central America and Caribbean. 2000

Tayrona (57528)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Determinate saladette, jointed, uniform green, square, 90–120 grams, early maturity. Resistance: ASC, FW 1&2, St, V. Similar: Chiro. Adaptation: Indonesia. 2000.

TCHE (57568)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Vigorous determinate plant, large square fruit, very productive. Resistance: ASC, BSK, FW, ST, V. Similar: Rio Grande. Adaptation: South America. 2000.

Toro (FMX 1072)—Breeder and vendor: Harris Moran. Characteristics: F1 hybrid, fresh market, determinate saladette type, firm, heat tolerant. Resistance: Adaptation: Mexico, United States. 1997.

Trinity Pride (PS 842 194)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, indeterminate saladette, midseason maturity. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tomato mosaic virus, bacterial wilt. Adaptation: Caribbean.

Veronica (STM 4807)—Breeder and vendor: Sakata Seed America. Characteristics: F1 hybrid, fresh market, roma type, vigorous. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, alternaria stem canker, gray leaf spot, bacterial speck race 0. Adaptation: wide. 1996.

Victoria Supreme (STM 4809)—Breeder and vendor: Sakata Seed America. Characteristics: F1 hybrid, fresh market, roma type, large fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, bacterial speck race 0. Adaptation: Florida, Baja California. Similar: Rio Grande. 1999.

Vita-Gold (PS 36912)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, multi-use, determinate vine, orange fruit, 85 g size, high in beta-carotene, midseason maturity. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, fusarium crown rot. Adaptation: California. 1999.

Window Box Roma (RS 2003)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 hybrid. Characteristics: fresh market type; long shelf-life tomato, uniform green, weight is from 60–80 g, unique, determinate with dark green rugose foliage; for growing in containers and pots; large Roma type pear shaped fruit, very tasty; not for commercial use. Similar: Patio. Adaptation: home garden; U.S. 2001.

Xena (PS 150817)—Breeder: John Bill. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: Indeterminate saladette, deep blocky fruit, vigorous plant, very productive, uniform sizes. Resistance: ASC, BSK, FW 1&2 N, ST, V. Similar: Tequila. Adaptation: Mexico. 2000.

Yaqui—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, saladette with larger fruit, firm, thick walls. Resistance: nematodes, bacterial speck. Adaptation: California.

Zuley—Breeder and vendor: Novartis. Characteristics: F1 hybrid, fresh market, saladette type, vigorous determinate, mid-late season, medium length, blocky round fruit, uniform green shoulders. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tomato mosaic virus, bacterial speck. Adaptation: Mexico, Central and South America. 1995.

TURNIP

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Top Star (STP 9901)—Breeder and vendor: Sakata Seed America. Parentage: F1 hybrid. Characteristics: excellent for turnip green production. 1998.

WATERMELON

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Africa 8—Breeder: Rev. Rush Wagner, Old Umtali Mission, South Africa. Parentage: selection from accession sent by Wagner to Layton. Characteristics: round fruit, flaccid sweet red flesh, early maturity. Resistance: anthracnose. 1937.

Angeleno—Parentage: possibly from Chilean watermelons or Chilean Black Seeded cultivar.

Black Kleckley—Breeder: Iowa. Parentage: Jugoslavia 7, Iowa Bell, Kleckley Sweet. Characteristics: darker rind than original Kleckley Sweet. 1945.

Black Seeded Klondike No. 3—Breeder: Dept. Vegetable Crops, University of California, Davis. 1933.

Brownlee—Breeder: Mr. Walker, Florida. Parentage: Leesburg x Hawkesbury. Characteristics: thin rind, good internal quality, sweet crisp red flesh with hollow heart or white heart. Similar: Kleckley Sweet. 1941.

Buist Little Gem—Breeder and vendor: Robert Buist Co. Characteristics: 75 days to harvest; earliest cultivar; fruit nearly round, small in size, 12 to 17 lb.; skin dark green stripes on gray green background; flesh pinkish red, very firm, sweet, delicious eating.

Buttercup (4505)—Breeder: Dr. Warren Barham. Vendor: D. Palmer Seed Co. Characteristics: tiger stripe, bright yellow flesh. Adaptation: most watermelon growing areas around the world. 1999.

Calhoun Gray—Breeder: North Louisiana Experiment Station, Calhoun, LA. Parentage: Calhoun Sweet x Charleston Gray. Resistance: anthracnose, fusarium wilt races 0 and 1. 1965.

California Klondike—Parentage: selection from Klondike. Similar: Klondike. 1933.

Calsweet—Breeder: Mr. Layton, California. Parentage: (Miles x Peacock) x Charleston Gray, the same parents as Allsweet, Crimson Sweet. Characteristics: 21 x 18 inch size, 20–30 lb., wide indistinct stripes, bright red flesh. Resistance: fusarium wilt.

Carolina Bradford—Vendor: Robert Buist Co. Characteristics: 85 days to harvest; a fine shipping cultivar having a very tough, elastic rind; fruit large, 25 lb., oblong, deep green irregularly striped with a darker shading; flesh dark red, fine grained and sweet; seeds creamy white with some slightly mottled.

Carolina Cross #183—Breeder and vendor: Burpee Seed. Characteristics: gigantic fruit, 200 lb. size, oblong fruit shape, light green rind with narrow dark green stripes, 100 days to harvest.

Charleston Gray No. 133—Breeder: Mr. Stevenson, India. Parentage: Charleston Gray selected for higher wilt resistance. Characteristics: thinner rind; otherwise similar to Charleston Gray. Resistance: fusarium wilt. 1961.

Colebrook—Breeder: E.M. Meader. Parentage: open pollinated selection from Korean cultivar Shingyamato. Characteristics: round, 10 lb. fruit, thick rind, striped pattern, bright red flesh, small brown seeds. Similar: Merrimack Sweetheart, Yankee Queen, Sweet Sugar. 1948.

Cole's Early (Harris' Earliest)—Breeder: Coles Seed Store, Pella Iowa. Vendor: Robert Buist Co. Characteristics: 80 days to harvest; extra early; a favorite in the North; for home market; fruit small size, 15 lb., short, nearly round, dark green stripes irregular on a light green background; rind tender; flesh light red, sweet and delicious; seeds black. 1892.

Conqueror—Breeder: Orton. Parentage: Eden x citron. Characteristics: insufficient fruit quality for commercial production; used to develop wilt resistant cultivars with acceptable fruit quality. Resistance: fusarium wilt. 1908.

Cooperstown (XP 4590339)—Breeder: David Dean. Vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: seedless with mottle stripe on green background, oval fruit shape, medium to large size. Resistance: anthracnose, fusarium wilt. Similar: Tri-X-313. Adaptation: North America. 2000.

Corporal (PS 56595)—Breeder: Manual Rosa. Vendor: Seminis

Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: seeded, all sweet type, late, wide strips, large fruit. Similar: Sangria. Adaptation: U.S., Mexico. 1999.

Cuban Queen—Breeder and vendor: W. Atlee Burpee. 1881.

Dark Icing—Vendor: D.M. Ferry. 1888.

Delta (PS 36594)—Breeder: Jose Gomez. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: Royal Sweet type, crimson Sweet stripes, oblong, 18–25 lb. strong plant, vigorous, wide adaptability. Similar: Royal Sweet. Adaptation: United States. 1998.

Dixie Belle (Stone Mountain)—Breeder: H.G. Hastings, Atlanta, Georgia. Characteristics: thick, tough, dark green rind, 17 x 14 inches, 35–40 lb., red, sweet flesh. 1924.

Dixie Queen (White-Seeded Cuban Queen)—Breeder: Johnson. Vendor: Stokes Seed Co. Parentage: Cuban Queen x Kolb Gem. Characteristics: round fruit 30–40 lb., pink flesh, white seeds, narrow dark green stripes over light green rind; 90 days to harvest; popular with home gardeners, roadside markets, truckers and shippers; fruit oblong or nearly round; rind thin, but tough; flesh crisp and extremely sweet with very few seeds; seeds white and small. 1890.

Dulce Verde (4506)—Breeder: Dr. Warren Barham. Vendor: D. Palmer Seed Co. Parentage: F1 hybrid. Characteristics: solid dark green rind. Similar: Peacock. Adaptation: most watermelon growing areas around the world. 1999.

Early Kansas—Vendor: Robert Buist Co. Characteristics: 80 days to harvest; a fine shipper; fruit nearly round, 40 lb., light green with wavy stripes; flesh bright red sweet and tender; seeds reddish brown.

Early Resistant Queen—Breeder: Iowa. Parentage: Early Market Queen x Hawkesbury. 1945.

Excel—Breeder: D.H. Gilbert of Monticello, Florida. Characteristics: poorly fixed hybrid. 1906.

Falcon (RS 56395)—Breeder: Manual Rosa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: seeded, Allsweet shaped watermelon, early planting, wide stripes, large fruit, high yields, no hollow heart or bottlenecks. Adaptation: United States and Mexico. 1999.

Fandango (SSC 46072)—Breeder: New Avenue Seeds. Vendor: Shamrock Seed Co. Parentage: F1 hybrid. Similar: Summer Sweet 5244. Adaptation: all watermelon growing regions. 1999.

Far North—Breeder and vendor: Fischer Seed Co. Parentage: Sugar Bush x Peacock. Characteristics: dark green fruit, 6–8 lb., bright red flesh, black seeds; many off-types.

Fenway (XP 6279)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 triploid hybrid. Characteristics: seedless Sugar Baby type, high yield, round to slightly oblong fruit shape, dark green rind with very dark green faint mottled stripe, rind has shown excellent resistance to sunburn. Similar: Sugar Baby (except seedless). Adaptation: southeastern U.S. 2001.

Florida Favorite—Vendor: Robert Buist Co. Parentage: Rattlesnake and Pearson. Characteristics: 80 days to harvest; excellent for the home garden or home market trade, not for long distance shipping; fruit large, 25 lb., long with round ends; light green with mottled stripes of dark green; rind fairly tough; flesh dark red, crisp and sweet; seeds white.

Georgia (152185)—Breeder: Eldon Heersink. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: small Crimson Sweet type, strong vine, early to medium early maturity; fruit about 10–13 lb. with small broken dark green stripes. Similar: Crimson Sweet. Adaptation: Guatemala, South America. 2000.

Georgia Rattlesnake—Characteristics: 90 days to harvest; an excellent shipping melon popular for its size, productiveness and eating qualities; fruit very long, large, 25 to 30 lb., light green, irregularly mottled with dark green stripes; striking appearance; rind very tough; flesh bright scarlet, crisp and sweet; seeds all white with black tips. Adaptation: southern U.S. 1870.

Golden Anniversary—Parentage: Wikara x Kleckley. Characteristics: sweet.

Gray Monarch (Long Light Icing)—Vendor: Robert Buist Co. Characteristics: 85 days to harvest; a large melon mostly adapted for home gardens; fruit 25 lb. cylindrical with blunt ends, a beautiful light

gray green faintly mottled darker; rind thin and tender; flesh red, sweet and delicious; seeds white.

Green Seeded Citron—Vendor: Robert Buist Co. Characteristics: 95 days to harvest; bred exclusively for preserving; fruit round, 10 lb., striped alternately with dark and light green. Flesh clear white and very solid. Seeds glossy olive green.

Halbert Honey—Vendor: Robert Buist Co. Characteristics: 85 days to harvest; a fine, large prolific melon; sweet flavor; for home use and nearby markets; fruit 30 to 35 lb., cylindrical with blunt ends, dark glossy green with fine veins; rind tender, flesh rich red, extending clear to the rind; seeds white with black tips.

Harris' Earliest (Cole's Early)—Vendor: Robert Buist Co. Characteristics: 80 days to harvest; extra early; a favorite in the North; for home market; fruit small size, 15 lb., short, nearly round, dark green stripes irregular on a light green background; rind tender; flesh light red, sweet and delicious; seeds black.

Hawk (131784)—Breeder: Manuel Rosa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: Allsweet type, seeded, wide stripes, for early planting. Similar: Sangria. Adaptation: U.S. & Mexico. 1999.

Hawkesbury (synonyms Hawkesbury Wilt Resistant, Dark Seeded Gray Monarch)—Breeder: H.S. Shirlow, N.S.W. Australia. Parentage: selection from a field of Gray Monarch with dark rather than light colored seed. Resistance: fusarium wilt. Similar: Gray Monarch. 1935.

Hungarian Honey—Parentage: introduced from Hungary. 1885.

Improved Stone Mountain No. 5—Breeder: Mr. Younkin, Iowa. Parentage: Iowa Bell x Stone Mountain. Resistance: some fusarium wilt tolerance. Similar: Stone Mountain.

Iowa 112—Breeder: Mr. Younkin, Iowa. Parentage: Iowa Bell x Jugoslavia 7. 1938.

Iowa Belle—Breeder: Porter, Iowa. Parentage: Conqueror x unknown male parent (probably Kleckley Sweet). 1932.

Iowa Dixie—Breeder: Mr. Wilson, Iowa. Parentage: Iowa Belle x Japan 7. 1934.

Iowa King—Breeder: Porter, Iowa. Parentage: Conqueror x unknown male parent (probably Kleckley Sweet). 1932.

Irish Gray—Vendor: Robert Buist Co. Characteristics: 90 days to harvest; one of the finest watermelons; productive, very sweet and tender; earlier than Tom Watson, but similar in shipping quality; fruit large, 25 to 30 lb. oblong, smooth, a distinct mottled greenish gray; rind tough and hard; flesh bright red, firm and sweet; seeds white.

Japan 7—Parentage: received from Prof. Akewo Hemmi, Japan. Characteristics: white flesh, yellow rind, small oval fruit, early maturity. Resistance: fusarium wilt.

Jubilee II—Breeder: Crall, Leesburg, Florida. Parentage: Jubilee x Jubilee 5. Characteristics: fruit and plant resembles Jubilee but selected for higher resistance to wilt. Resistance: fusarium wilt. Similar: Jubilee. 1990.

Kafir—Breeder: selected from African stock. Resistance: fusarium wilt, anthracnose. 1932.

Kengarden—Breeder: H. Mohr, University of Kentucky. Parentage: Dwarf Asahi Yamato x (dwarf Bush Desert King x breeding lines) x New Hampshire Midget. 1975.

Kleckley Sweet (Monte Cristo)—Breeder: W.A. Kleckley, Alabama. Vendor: Robert Buist Co. Parentage: possibly Boss x Arkansas Traveler. Characteristics: thin, glossy, dark green rind, large white seeds, medium-red flesh, oblong fruit, 25–40 lb., 85 days to harvest; always popular and a favorite with all; excellent for home use and nearby markets; rind thin and brittle; flesh juicy and very sweet. 1887.

Klondike—Parentage: a mutation selected in California. Characteristics: blocky fruit, rind solid green with stripes, 20–25 lb., fine-textured flesh. 1908.

Klondike R7—Breeder: Mr. Porter, California. Parentage: Iowa Belle x Klondike. Characteristics: fruit 15 x 10 inch size, 20–25 lb.; thin, dark-green rind; sweet red flesh. Resistance: fusarium wilt. 1937.

Klondike Striped—Parentage: selection by grower in California from field of Klondike. Characteristics: oblong fruit with thin, tough, light green rind with narrow dark green stripes, 20–25 lb., fine-textured flesh. 1923.

Klondike Striped Blue Ribbon—Breeder: Mr. Porter, California. Parentage: Klondike R7 x Klondike Striped. Characteristics: thin

tough rind, light green with narrow dark stripes, 15 x 10 inch size, 20–30 lb., sweet dark-red flesh. Resistance: fusarium wilt, anthracnose, sunburn. 1939.

Klondike WR—Breeder: Mr. Layton, California. Parentage: California Klondike 3 x Klondike R7. Characteristics: like Klondike, but sweeter. Resistance: fusarium wilt (better than Klondike). 1957.

Klondike WR 60—Breeder: Mr. Layton, California. Parentage: California Klondike 3 x Klondike R7. 1958.

Kolb Gem—Breeder: R.F. Kolb, Alabama. Vendor: D.M. Ferry. 1885.

Long Light Icing (Gray Monarch)—Vendor: Robert Buist Co. Characteristics: 85 days to harvest; a large melon mostly adapted for home gardens; fruit 25 lb. cylindrical with blunt ends, a beautiful light gray green faintly mottled darker; rind thin and tender; flesh red, sweet and delicious; seeds white.

Long Mountain—Parentage: selection from Stone Mountain. 1936.

Matador (13786)—Breeder: Manuel Rosa. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: seeded, late season, large fruit, wide stripes, vigorous vines, excellent yields. Similar: Sangria. Adaptation: U.S. and Mexico. 1999.

Mercedes (SSC 9490)—Breeder: Hollar Seed Co. Vendor: Shamrock Seed Co. Parentage: F1 hybrid. Resistance: some races of anthracnose and fusarium wilt. Similar: Sangria. Adaptation: All watermelon production regions. 2000.

Millennium (HMS7928)—Breeder: Bob Schroeder. Vendor: Harris Moran Seed Co. Parentage: F1 hybrid. Characteristics: very dark rind pattern, dark red flesh. Resistance: fusarium wilt race 1, anthracnose. Similar: Tri-X-Shadow. Adaptation: California, Southeast US, Midwest, Atlantic Shore. 1999.

Monte Cristo (Kleckley Sweet)—Breeder: W.A. Kleckley, Alabama. Vendor: Robert Buist Co. Parentage: possibly Boss x Arkansas Traveler. Characteristics: thin, glossy, dark green rind, large white seeds, medium-red flesh, oblong fruit, 25–40 lb., 85 days to harvest; always popular and a favorite with all; excellent for home use and nearby markets; rind thin and brittle; flesh juicy and very sweet. 1887.

Montreal (SXW 5023)—Breeder: Gary Elmstrom. Vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: seeded diploid watermelon; oblong fruit with wide dark green stripes on a light green background; high sugar content, good flesh color. Resistance: fusarium wilt race 1. Similar: Allsweet. Adaptation: California, Texas, Florida. 2000.

Mountain Sweet—Vendor: Robert Buist Co. Characteristics: 90 days to harvest; for home and local markets; fruit large, 25 lb.; oblong, dark green; with sweet juicy, light crimson flesh; seeds brown.

Northern Sweet—Breeder: Minnesota Agr. Exp. Sta. Parentage: selection from Russian cultivar. Characteristics: early, round fruit, 10–12 lb. size, medium green rind with wide stripes, red-orange flesh. 1932.

Omega (PS 3981428)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: F1 triploid hybrid. Characteristics: seedless hybrid; typical Allsweet stripe (dark green stripe on light green background), 18–20 lb. size fruit, very bright red flesh, midseason maturity. Adaptation: North America. 2001.

Orton—Breeder: Florida. Parentage: Iowa Belle x unknown male parent. 1950.

Peacock—Breeder: G. Stratis, Brawley, CA. Parentage: selection from Klondike. Characteristics: oval fruit, 20–25 lb., dark green rind, sweet red flesh. 1939.

Peacock Special Shipper—Breeder: R. Peacock. Parentage: chance cross of Klondike. Characteristics: smooth, dark green rind, crisp, red flesh, 20–25 lb. 1935.

Peacock WR 124—Breeder: Mr. Layton, California. Parentage: California Klondike 3 x Peacock x Klondike R7. 1959.

Peacock WR 50—Breeder: Mr. Layton, California. Parentage: Klondike R7 x Peacock. Characteristics: tough thin rind, dark green with faint dark stripes, 15 x 10 inch size, 20–25 lb., sweet bright red flesh. Resistance: tolerant to fusarium wilt. 1955.

Premiere (SSC460057)—Breeder: Colorado Seeds. Vendor: Shamrock Seed Co. Parentage: F1 hybrid. Characteristics: 82–85 day maturity; round to slightly oblong fruit; 12–24 lb. average weight;

sweet, red, firm flesh; medium-dark green stripes and light green background; produces hardy vines, high yields. Similar: Tri-X-313. 1999.

Riviera (015208)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Parentage: F1 hybrid. Characteristics: Crimson Sweet type, more round shape, quite early, fruit weight approximately 5–7 kg. Resistance: fusarium wilt race 1, anthracnose. Similar: Crimson Sweet. Adaptation: Caribbean. 1997.

Samba (SSC 31782)—Breeder and vendor: Shamrock Seed Co., Inc. Parentage: F1 triploid hybrid. Characteristics: a very productive seedless cultivar with impressive fruit uniformity; develops very strong vines; high yields of oval-round, large sized fruit with a dark striping pattern; appealing firm, red flesh with high sugars; thrives under a wide range of growing conditions; 75–85 days to maturity. Similar: Tri-X-313. Adaptation: all watermelon growing regions. 2001.

Santa Amalia (35422)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: Royal Sweet type with Crimson Sweet stripes, oblong, 20–27 lb., strong plant vigor. Similar: no cultivar like it. Adaptation: South America. 1999.

Schochler—Vendor: Robert Buist Co. Characteristics: 90 days to harvest; a very large melon used extensively in the South, having outstanding shipping requisites for size, tough rind and quality; fruit very long, 40 to 50 lb., rich dark green with faint stripe; flesh bright crimson, fine grained and very sugary.

Sentinel (PS 36694)—Breeder: Jose Gomez. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: Royal Sweet type, Crimson Sweet stripe, oblong, 20–27 lb., strong plant vigor, excellent red flesh color. Similar: Royal Sweet. Adaptation: U.S. and Australia. 1998.

Small Seeded Dixielee—Breeder: Crall et al., Leesburg, Florida. Parentage: Fairfax, Summit, Charleston Gray, Texas W5, Crimson Sweet, W.R. Graybelle. Characteristics: round-oval fruit, light green rind with narrow dark stripes, 10–15 lb., fine-textured flesh, dark, red flesh, few small black seeds, high sugar content. 1995.

Smile—Breeder and vendor: American Takii. Parentage: hybrid. Characteristics: icebox type, with resistance to fruit cracking and tough rind for shipping; fruit have crisp textured, sweet, dark red flesh, black seeds; fruit are round with narrow dark stripe on light background; 6 to 8 lb. fruit; 38 to 40 day maturity; fruit keep 12 days after harvest. Adaptation: home garden and commercial fresh market. 2000.

Stone Mountain (Dixie Belle)—Breeder: H.G. Hastings, Atlanta, Georgia. Characteristics: thick, tough, dark green rind, 17 × 14 inches, 35–40 lb., red, sweet flesh. 1924.

Summit—Breeder: Mr. Taylor, Louisiana. Parentage: Calhoun Sweet x Black Diamond. Characteristics: large round fruit with tough, dark green-black rind, flesh red, black mottled seeds. Resistance: fusarium wilt (high level of resistance). 1957.

Sunsplash (25453)—Breeder: Manuel Rosas. Vendor: Seminis-Petoseed. Parentage: F1 hybrid. Characteristics: seedless yellow-flesh round with thick rind, exterior color, narrow dark-green stripes on

light green background, medium-large sizes. Similar: Honeyheart. Adaptation: U.S. Southeast Asia. 2000.

Sweetheart—Breeder: Mr. Wittenmeyer, southern Indiana. Vendor: D.M. Ferry. 1890.

The Dixie—Vendor: Robert Buist Co. Characteristics: 85 days to harvest; a splendid shipper; prolific, with fruit large, 25 lb., oblong, very dark green with lighter green stripes; rind thin but strong; flesh scarlet and sweet; seeds black.

Thurmond Gray—Breeder: Mr. Thurmond, Perry, Georgia. Vendor: Robert Buist Co. Characteristics: large elongated fruit with light green mottled rind, large seeds, pink flesh; 90 days to harvest; shipping cultivar similar to Irish Gray, but having fruit much larger; fruit 30 to 40 lb., cylindrical, grayish-green with faint veining; rock hard rind; flesh crisp and sweet. 1923.

Tom Watson—Breeder: Alexander Seed Co. Vendor: Robert Buist Co. Characteristics: elongate shaped fruit, 25–40 lb., thin tough rind, dark green with dark veining; flesh sweet, firm, crisp, coarse, red; large brown seeds spotted with white; shipping melon. 1906.

Tribute (PX 5696)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: seedless, round fruit, striped with medium to large fruit. Similar Tri-X-313. Adaptation: U.S. and Mexico. 1999.

Trident (PX 58596)—Breeder: Manuel Rosas. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: seedless round fruit, striped, medium to large fruit, deep red flesh and high sugars, early. Similar: Tri-X-313. Adaptation: U.S. and Mexico. 1999.

Triton (PS 37794)—Breeder: Jose Gomez. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: seedless, round, striped, medium-large, yellow flesh. Similar: Honey Heart. Adaptation: U.S. and Asia. 1998.

White Seeded—Breeder: Mr. Porter, Iowa. Parentage: from African stock. Resistance: fusarium wilt, anthracnose. 1932.

White-Seeded Cuban Queen (Dixie Queen)—Breeder: Johnson. Vendor: Stokes Seed Co. Parentage: Cuban Queen x Kolb Gem. Characteristics: round fruit 30–40 lb., pink flesh, white seeds, narrow dark green stripes over light green rind; 90 days to harvest; popular with home gardeners, roadside markets, truckers and shippers; fruit oblong or nearly round; rind thin, but tough; flesh crisp and extremely sweet with very few seeds; seeds white and small. 1890.

Wills Sugar—Vendor: O.H. Will Seed Co., Bismarck, North Dakota. 1889.

Wrigley (XP 4590249)—Breeder and vendor: Seminis-Asgrow. Parentage: F1 hybrid. Characteristics: seedless, oval blocky shape with excellent flesh color, maturity 80–90 days, average fruit size 12–16 lb. Resistance: anthracnose, fusarium wilt. Similar: A and C 5244. Adaptation: U.S. wholesale market. 2000.

Yellow Dragon (PX 33994)—Breeder: Jose Gomez. Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid. Characteristics: yellow seeded watermelon, medium blocky fruit, good taste, crisp flesh. Similar: Yellow Doll. Adaptation: wholesale, Pacific rim. 1997.