Vegetable Cultivar Descriptions for North America

List 25
1999

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

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

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

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


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

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


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


Buccaneer (NVH 877).—Breeder and vendor: Northrup King. Characteristics: fruit are slightly oval, 6–6.5", moderate sutures, fine netting covers the fruit, thick flesh is bright orange, matures in ≈76 days, home garden, truck farm type. Resistance: powdery mildew, downy mildew. Similar: Supermarket. 1983.


Clipper.—Breeder and vendor: Nunhems. Characteristics: long shelf life, medium early, orange flesh, fruit weight 0.8–1.0 kg, high sugar. Resistance: fusarium wilt races 0, 1, 2. 1992.


Fiola (NUN 7009).—Breeder and vendor: Nunhems. Characteristics: Vauclusien type cantaloupe with long shelf life; netted Fiata type, oval shape, netted sutures, orange flesh with high sugar content,


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


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


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


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

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


**Orange Dew.**—Breeder and vendor: Shamrock. Characteristics: 112 day honeydew type with salmon orange-colored flesh, and fruit size of $6.5^\times 6^\times 6^\prime$. 1988.


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


**Pulsar (PSX10084).**—Breeder and vendor: Petoseed. Characteristics: 86 day maturity, round fruit, $6.5^\times 6.5^\times 6^\prime$ ($17^\times 17$ cm), 5–5.5 lb, coarse net, sutured, orange flesh, fresh market. Resistance: fusarium wilt race 2. 1986.


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


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

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


**Starship (HMX3359).**—Breeder and vendor: Harris Moran. Characteristics: early, 80 days, western shipper; oval, 4.25 x 5” (10–12 cm), 2.5–3 lb; medium net, no sutures, dark orange flesh. Resistance: fusarium wilt race 2, powdery mildew. Similar: Goldstar.


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


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


**Westar (86MH166).**—Breeder and vendor: Musser. Characteristics: Harvest Queen type muskmelon, high soluble solids, resistant to premature internal flesh breakdown. Resistance: powdery mildew.


**OKRA**

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

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


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


**ONION**

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


Brown.—Same as Australian Brown UC Number 5.


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


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


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


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


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


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


Monarch (SSC2246).—Breeder and vendor: Shamrock. Characteristics: late maturing, intermediate day, large, globe-shaped, dark


Pueblo.—Breeder and vendor: Dakota. Characteristics: yellow, similar to Princess, except shorter, more uniform in size and shape. 1991.


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


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


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


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


**PEA—GREEN**

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


**Barok (XPF110).**—Breeder and vendor: Asgrow. Characteristics—


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


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


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


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


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


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

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


Television.—Vendor: Vilmorin. Characteristics: green peas, semi-dwarf, 75 cm, growing very large, dark green twin pods, 13 cm, containing 9–10 peas which are very sweet, semi-early, very productive. 1955.
PEPPER
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Aruba (NVH3078).—Breeder and vendor: Rogers. Characteristics: Hybrid Cubanelle, 64 days to maturity. Vigorous erect plant, best suited to planting slots where adequate fruit size is a problem, large untreated fruits. Similar: Key Largo. 1993.


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


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


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


Jalapeno type, vigorous, dark green to red, mid-early maturity, medium large fruit size, fruit begins very light green maturing to soft yellow when past optimum harvest stage. Similar: Garden Sunshine, 1991.


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


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

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

Nathalie (PE2129).—Breeder and vendor: Rogers. Characteristics: Dark green fruit, 140 mm long, dual lobed fruit, 105 days to maturity. Resistance: Potato Virus Y. Similar: Magda and Agronomico.


NuMex Sweet.—Breeder: P.W. Bosland J. Iglesias, and M.M.外: HORT SCIENCE, VOL. 34(6), OCTOBER 1999


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


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


Thai Dragon (PS007090). —Breeder and vendor: Petoseed. Characteristics: Prolific fruit set of very hot 88 mm thin walled peppers that
dry quickly, used in oriental cooking. Similar: Red Chili. 1994.

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


**POTATO**

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ND8888-2.


**Historically important cultivars.**


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


Red Pontiac.—Breeder: red-skinned sport of Pontiac. Characteristics: see Pontiac, used as a garden cultivar throughout the United States, Canada, valid 1996.


PUMPKIN

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Baby Boo.—Breeder: J. Jaunsem. PVP. 1990.


Connecticut Field.—Characteristics: fruit are large, round, flattened at ends, weighing 15–25 lb; flesh is thick, orange-yellow, sweet but coarse; grown mostly for stock feed and Halloween decoration; 120 day maturity. Eastern States Farmers Exchange Catalog, p. 18, 1962.

Dickinson.—Vendor: Northrup King. Characteristics: fruit is 12–16” × 12–14”. weight 12–16 lb, mostly elongated round; flesh orange, coarse, sweet and good quality; longer and more uniform shape than Kentucky Field; used for canning and livestock. Northrup King Co. GS-7-5 catalog, 1958.

Dills Atlantic Giant.—Breeder: Howard Dill Enterprises. PVP. 1985.


Happy.—Breeder: Jennie C. Brush. PVP. 1986.


Kentucky Field.—Characteristics: 10–18” diameter, fruit variable in shape but usually deeper than they are wide, tapered at ends, 10–15 lb, rind smooth, dull orange-yellow, distinctly sutured, thin hard rind; flesh thick, coarse, deep yellow, sweet; 120 day maturity; used for canning and stock feed. Asgrow Catalog 19, 1957.

Large Cheese.—Characteristics: for home, market, canning; derives name from cheese box shape of fruit; fruit is 7 × 15”, weighing 12–15 lb; very flat shape, slightly grooved; hard shell, deep yellow skin; flesh is orange-yellow, fairly thick, with fine quality and flavor; 110 day dormancy. Cornell Catalog 14. 1964.

Large Sweet Cheese.—Characteristics: a pumpkin for both table and stock, often attains 25 lb; mottled green and yellow when young, creamy yellow when ripe; flesh yellow, extra thick, tender, sweet, and of finest quality; for pies, canning and feeding stock. T. W. Wood and Sons Seed Co., 1961.

Little Boo.—Breeder: Agway. PVP. 1978.


Lumina.—Breeder: Hollar Seed Co. and George Perry & Sons. PVP. 1990.

Mother Lode.—Breeder and vendor: Rupp. Characteristics: hybrid, bush-semi bush vine type with extra large 25+ lb fruit with excellent handles, it stays confined to a tight bush until late after the crown set and can be planted in closer rows than many of the large cultivars. Similar: RS1090. 1996.

Oz (HXP2672).—Breeder: T. Superak. Vendor: Harris Moran.


Peek-A-Boo.—Breeder and vendor: Rogers Brothers. Characteristics: small; fruitoid pumpkin weighing 3.5–4.0 lb; fruit slightly flattened globe shape with medium bright orange color and extra long handles. Similar: Spoktacular, Oz, Baby Bear. 1994.


Tom Fox.—Breeder: Johnny’s Selected Seeds. PVP. 1994.


RADISH

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Cherriette.—Breeder and vendor: Sakata Seed. Characteristics: early Cherry Belle-type hybrid, red root color, globe-round shape, excellent for bunching, slow to develop pithiness, very crisp with good flavor. Adaptation: wide, but especially good for autumn production in temperate climates. 1987.

Crunchy Red.—Breeder and vendor: Sakata Seed. Resistance: tolerance to rhizoctonia scurf. Adaptation: spring and fall culture in warm temperate regions.

Easter Egg.—Vendor: Christiansen. Characteristics: combination of red, pink, purple, violet, white radishes; roots remain firm and crisp with good flavor. 28 day maturity, strapheaded. 1983.


Flou.—Vendor: Vilmorin. Characteristics: the first semi-long hybrid with excellent presentation in bunches, semi-early cultivar, autumn and spring cropping, especially suited for protected-garden cropping, intensive red color with white tips very strong leaf attachments. 1989.


Red Devil B.—Vendor: Ferry-Morse. Characteristics: developed as a shorter top strain than Red Devil, 22 day maturity, round-slightly oval roots with intense red color, retains color well after rinsing.


Tinto.—Vendor: Vilmorin. Characteristics: a round red hybrid, foliage is medium with a strong attachment, root shape is globe, deep scarlet-red color, tap root and crown is refined, suited for bunching or cello-pak. 1994.


RUTABAGA

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American Purple Top.—Characteristics: tender yellow flesh, purple crown and shoulders, large globe shape, good flavor.

Laurentian.—Characteristics: globe shape, yellow flesh, sweet flavor, deep purple crown.

Marian.—Characteristics: yellow flesh, purple top roots, short wide leaves, good flavor and storability, clubroot resistance, vigorous.


SHALLOT

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Bettergreen (US-592).—Breeder: United States Vegetable Laboratory, ARS, USDA, Charleston, South Carolina. Parentage: derived from a single mutant plant harvested from a Carolina Creampopulation, mutant plant homozygous for newly discovered gene (gt) conditioning a unique green cotyledon trait. Characteristics: phenotype, medium, bushy growth habit; typical pod is slightly curved and contains 12–14 peas; pod color at green shell stage, green with distinct purple shading; fresh peas are small, ovate-reniform in shape; dry peas have a smooth seed coat; can be harvested at near-dry seed maturity without loss of the seeds fresh green color, recommended as a commercial cultivar for the frozen-food industry. Resistance: cowpea curculio, cercospora leaf spot, southern blight, rust, and powdery mildew; tolerance to seedling diseases. Similar: Carolina Creampod, except for cotyledon color and slightly greener foliage. Adaptation: southern United States. HortScience 28:856, 1993. 1991.

Bettergro Blackeye (US-481).—Breeder: United States Vegetable Laboratory, ARS, USDA, Charleston, South Carolina. Parentage: Magnolia Blackeye x (Magnolia Blackeye x Ala.963.8). Characteristics: tall, upright plant habit; pod set is concentrated; pod color at green shell stage is cream yellow with a touch of reddish shading and reddish tips; typical pod is slightly curved and contains 12–13 peas; size, shape, and eye pattern of peas similar to those characterized of Pinkeye Purple Hull and Coronet; medium seed size, 15 g/100 dry seed; outstanding yield potential; excellent canner. Resistance: cowpea curculio, root knot nematodes, rust, and powdery mildew; susceptible to blackeye cowpea mosaic virus. Adaptation: southern United States. HortScience 28:62–63, 1993. 1991.


California Blackeye 46 (8046).—Breeder: Univ. of California, Davis, and the California Agr. Expt. Sta. Parentage: California Blackeye 5 x (California Blackeye 5 x PI 166146). Characteristics: more erect plant habit than California Blackeye 5; seeds are typical blackeye type, cream seed coat with black pigment around hilum; seed smaller than California Blackeye 5, 19–20 gm per 100 seed vs. 23 gm per 100 seed; 90 day maturity to dry seed; canning qualities comparable to California Blackeye 5 and California Blackeye 3; yields comparable to or better than those of California Blackeye 5. Resistance: fusarium oxysporum f. sp. trachiphtilum race 3, homozygous for the Rk root knot nematode resistance gene. Crop Sci. 31:1703, 1991. 1987.

California Blackeye 88 (8518).—Breeder: Univ. of California, Davis, and the California Agr. Expt. Sta. Parentage: California Blackeye 5 x [California Blackeye 5 x (California Blackeye 5 x PI 166146)]. Characteristics: tall, erect, wide plant type; seeds are typical blackeye type, cream seed coat with a black pigment around hilum; smaller seed than California Blackeye 5, 21 gm per 100 seed vs. 23 gm per 100 seed; 90 day maturity to dry seed; yield and canning characteristics comparable to California Blackeye 5. Resistance: fusarium oxysporum f. sp. tracheiphtilum race 3; homozygous for the Rk root knot nematode resistance gene. Similar: California Blackeye 5. Crop Sci. 31:1703, 1991. 1989.

Carolina Cream (V-306).—Breeder: United States Vegetable Laboratory, ARS, USDA, Charleston, South Carolina. Parentage: selection from CR 17-1-34, which was derived from the cross Alabama 963.8 x Floricream. Characteristics: medium, bushy growth habit; pod set concentrated; pod color at green shell stage, green with a distinct purple shading; typical pod slightly curved, 15 cm long, and contains 13 peas; fresh peas small, cream colored, and ovate-reniform shaped; dry peas cream colored, with smooth seed coats; excellent processing characteristics. Resistance: cowpea curculio, cercospora leaf spot, rust, powdery mildew; tolerance to seedling diseases. Adaptation: southeastern United States. HortScience 19:456–457, 1984. 1982.


Colossus 80 (V-321).—Breeder: U.S. Vegetable Laboratory, ARS, USDA, Charleston, S.C., and Clemson Univ., Clemson, S.C. Parentage: product of backcross breeding program to transfer the Cis-1 gene for cercospora leaf spot resistance from CR 17-1-34 into Colossus. Characteristics: bushy, compact growth habit; pods are slightly to moderate curved, medium long; pod color at green shell stage, silver green with a slight reddish tinge; brown cowpea type peas have irregular shape and are outstandingly large, 0.75 g per freshly shelled pea. Resistance: cercospora leaf spot, root knot nematodes, rust; tolerance to mosaic type viral diseases. Similar: in appearance, maturity, and yield potential to Colossus; broader resistance to fusarium wilt than Colossus. Adaptation: southern United States. HortScience 17:263–264, 1982. 1980.

Corona.—Breeder: Univ. of Georgia, Athens. Parentage: derived from a single plant in a Coronet population. Characteristics: plants upright, compact plant habit, with dark green foliage; mature pods dark purple, 23 cm long; dry seeds are one cm long, oval shaped, weigh 26 gm per 100 seed, and have a smooth, cream colored testa with a red eye; yields comparable to those of Pinkeye Purple Hull and Coronet. Resistance: blackeye cowpea mosaic virus. Similar: Coronet, except pod length and seed are distinctly larger. HortScience 19:592. 1984.

Coronet.—Breeder: Univ. of Georgia, Experiment, Parentage: Pinkeye Purple Hull x [Pinkeye Purple Hull x (Pinkeye Purple Hull x Iron)]. Characteristics: upright and compact plant habit; green shell stage pods are purple and have an average length of 16–17 cm; green shell stage peas are green with a light red eye; dry seeds have a dark red or maroon eye; smooth seed coat; 62 day maturity to green shell, yields equal to Pinkeye Purple Hull. Resistance: tolerance to cowpea strains of southern bean mosaic and cucumber mosaic viruses; susceptible to cowpea yellow mosaic virus; only occasional plants exhibit fusarium wilt symptoms. Similar: Pinkeye Purple Hull plant, pod, and seed characteristics. Georgia Agr. Expt. Sta. Research Rpt. 220, 1976. 1975.

CT Pinkeye Purple Hull.—Breeder: C.T. Smith Co., Pleasanton, Texas. Parentage: selected from a heterogeneous Pinkeye Purple Hull population. Characteristics: procumbent plant habit; pod placement, scattered above the foliage; typical pod is straight with slight constrictions, 19 cm long, and contains 15 peas; pod color at green shell stage, dark purple; fresh peas are ovate to ovoid shaped; dry peas weight 180 g per 1000 seed, have maroon colored eyes and wrinkled seed coats; 67 day maturity to green shell; yields comparable to Coronet. Resis-
tance: blackeye cowpea mosaic virus and soybean cyst nematode; susceptible to bean yellow mosaic virus, cowpea yellow mosaic virus, and cucumber mosaic virus. PVP.

**Early Pinkeye.**—Breeder: Univ. of Georgia, Experiment. Parentage: selection from Pinkeye Purple Hull × (Purple Hull Brown Crowder × Oklahoma 4) double backcross to Pinkeye Purple Hull. Characteristics: upright, compact, nonvining. plant habit; concentrated pod set; green shell stage pods are purple and average 16.5 cm in length; green shell stage peas are green with a light red eye; dry seeds have dark red or maroon eye; 50–55 day maturity to green shell, peas very similar to those of Pinkeye Purple Hull, yields comparable to Mississippi Silver, but slightly less than Coronet or Pinkeye Purple Hull. Georgia Agr. Expt. Sta. Res. Rpt. 273, 1978, 1977.

**Elite (AR76-256).**—Breeder: Univ. of Arkansas, Fayetteville. Parentage: VB63-143, 144 × Ya 59-119. Characteristics: high bush, erect growth habit; concentrated set; pods 18 cm long and easily shelled; seeds small to medium, cream colored, not crowded in pod; high yield potential; suitable for both canning and freezing. HortScience 13:714, 1978.

**Encore (VS81-92).**—Breeder: Univ. of Arkansas, Fayetteville. Parentage: complex, involves Pinkeye Purple Hull, California Blackeye 5, and Texas Cream 42. Characteristics: erect, bush plant habit; concentrated pod set; pods straight, 15–18 cm long; mature seed is ovoid shaped with a medium sized brown eye, 23 gm per 100 seed; pod color, bright reddish-purple; high yield; maturity similar to Pinkeye Purple Hull; quality of canned and frozen pea is satisfactory. HortScience 24:401–402, 1989.

**Epoch (AR 81-197).**—Breeder: Univ. of Arkansas, Fayetteville. Characteristics: erect plant habit with short basal branches; concentrated pod set; pod length, 15–18 cm; shell stage peas are medium-large and have a medium to large pinkeye pattern; early maturity; processed peas comparable in quality to those of Pinkeye Purple Hull, canned and frozen. Resistance: tolerance to bacterial blight. Arkansas Farm Research, p. 3, July–August, 1984.

**Exmore (Va. 69-13).**—Breeder: Virginia Truck and Ornamentals Research Station. Parentage: New Hampshire Z Cream × Va. 59-119. Characteristics: erect, determinate growth habit; green shell maturity. Pod set is slightly curved, yellow, and 18–20 cm long; medium to small seed, 13–14 g per 100 dry seed; 40–50 g per mature green seed; 50–60 day maturity; good to excellent yield. The Vegetable Growers News, July, 1975.

**Freezegreen.**—Breeder: Auburn Univ., Auburn, Alabama. Parentage: derived from a single dry seed with a green seed coat found in a bulked seed lot of Alabama 963.8, parental background probably includes Lady and Conch. Characteristics: low bushy growth habit with spreading basal branches; pods are straight to slightly curved, 15 cm long; pod color ranges from green with a tinge of purple to solid purple at the green shell stage; seeds are small, globose shaped; dry seed color, light olive; good yield potential; easy to shell, persistent green color of seed coat controlled by the recessive gene gt, green testa. Resistance: cowpea curculio and cercospora leaf spot; susceptible to root knot nematodes. HortScience 14:193, 1979.

**Genegreen.**—Breeder: Auburn Univ., Auburn, Alabama, Parentage: complex, involves Freezegreen, Giant Blackeye, Conch, and Princess Anne Blackeye. Characteristics: slightly viney, bush type growth habit with pods borne level with or above the foliage; medium early maturity; pods are 19 cm long; pod color is green at green shell stage and medium brown when dry; dry peas are small to medium size and are oval to kidney shape, with a small black eye on an olive green seedcoat; persistent green color of seed coat controlled by the recessive gene gt, green testa; yields comparable to Pinkeye Purple Hull-BVR and Mississippi Silver. Resistance: blackeye cowpea mosaic virus. Alabama Agr. Expt. Sta., Highlights of Agricultural Research, Vol. 39, Number 3, Fall, 1992.


**Magnolia Blackeye.**—Breeder: Mississippi State Univ., Mississippi State. Parentage: complex, involves Extra Early Blackeye, Bunch Purple Hull, and Dixielee. Characteristics: medium sized, bush growth habit; pod color at green shell maturity, light green-yellow; pod length, 18 cm; green shell stage peas are light green in color and have a black eye; seed much less wrinkled than most blackeyes; 65–70 day maturity; good yield potential. Resistance: fusarium wilt and root knot nematodes; tolerance to viruses. Mississippi Agr. And Forestry Expt. Sta. Research Highlights 37(5):1–2, May, 1974.

**Mississippi Pinkeye.**—Breeder: Mississippi State Univ., Mississippi State. Parentage: complex, involves Bunch Purple Hull. Characteristics: semierect plant habit; concentrated pod set; typical pod is slightly curved, 24 cm long, and contains 18 peas; pods are light purple at green shell maturity and dark purple when dry; mature green peas are light green with a pink eye; dry peas are white with a red eye, average 5 mm wide × 9 mm long, have a kidney shape and smooth testa, weigh 22 gm per 100 seed; 54–60 day maturity; yield and quality of fresh and frozen peas equivalent to other pinkeye type cultivars. Resistance: fusarium wilt and root knot nematodes; tolerance to viruses equal to Mississippi Silver. Similar: Bunch Purple Hull. HortScience 26:76–77, 1991.

**Mississippi Shipper.**—Breeder: Mississippi State Univ., Mississippi State. Parentage: complex, involves Mississippi Silver, Newton Silverskins, and Knuckle Purple Hull. Characteristics: brown crowder, semierect plant habit; concentrated pod set; pod color, dark green when immature, dark purple over part of the pod at the green shell stage, and completely dark purple when dry; seed color is light green to cream when immature and tan to brown when mature; dry seedcrowder shaped, smooth, 7 mm long × 6 mm wide, and weigh 24 gm per 100 seed; high yield potential; pods maintain pod wall during the time required for fresh-market shipping, storage, and retailing; recommended for use both as a fresh-market and canning pea. Resistance: fusarium wilt, root knot nematodes, cowpea curculio, and choanephora pod rot; tolerance to blackeye cowpea mosaic virus, cowpea chlorotic mottle virus, cowpea severe mosaic virus; southern bean mosaic virus, cowpea strain, and cucumber mosaic virus. Similar: Mississippi Purple, except for pod color and pod wall thickness. HortScience 20:1142–1143, 1985. 1984.


**Royal Blackeye.**—Breeder: Louisiana State Univ., Calhoun, Vendar. Sun Seeds, Hollister, California. Parentage: complex, involves Calhoun Crowder, Blackeye, Bunch Purple Hull, Texas Cream 8, Louisiana Purchase. Characteristics: indeterminate, short vine plant habit; pods are straight, purple at the green shell stage, and 18.5 cm long; dry seeds are 8.3 mm long, oval, and weigh 19 gm per 100 seed; mature green peas have a smooth, light green testa with a black eye; 57–63 day maturity; good processing characteristics; good yield potential. Resistance: field tolerance to bacterial leaf blight and possibly mosaic virus. HortScience 23:933, 1988. 1985.

**Santee Early Pinkeye (US-311).**—Breeder: United States Vegetable Laboratory, ARS, USDA, Charleston, South Carolina. Parentage: complex, involves Coronet, Pinkeye Purple Hull, Iron, Alabama 963.8, and Alabama 562-9-2-6-1. Characteristics: plant habit is low bush, more compact than Coronet; pod color at the green shell stage, dark purple; fresh peas are kidney shaped and have a pink eye; dry peas have a smooth seed coat and are slightly smaller than those of Coronet; excellent processing characteristics. Similar: appearance, maturity, and yield potential to Coronet, but matures 5–10 days earlier. Adaptation: the southeastern United States. HortScience 25:990–991, 1990. 1988.
Tender Cream (US-630).—Breeder: U.S. Vegetable Laboratory, ARS, USDA, Charleston, S.C. Parentage: product of backcross breeding program to transfer the Rk gene for root knot nematode resistance from Floricream into Carolina Cream. Characteristics: medium, bushy growth habit; concentrated pod set; pod color at green shell maturity, green with a distinct purple shading; typical pod is slightly curved, 14–16 cm long, and contains 12–14 peas; fresh peas are small, cream colored, and ovate to reniform shaped; high yield potential; excellent processing characteristics. Resistance: cowpea curculio, root knot nematodes, southern bean mosaic virus, cercospora leaf spot, southern blight, rust, and powdery mildew; field resistance to blackeye cowpea mosaic virus; tolerance to seeding diseases. Adaptation: southeastern United States. HortScience 31:1250–1251, 1996. 1955.

Texas Pinkeye Purple Hull (Tx 220–4).—Breeder: Texas A&M University College Station. Parentage: complex, involves Burgundy, Pink-eye Purple Hull, Purple Hull 49, Blackeye 8152, and US-432. Characteristics: erect plant habit, plants are 15–20 cm taller than standard pinkeye cultivars, plant habit lends itself to high plant population culture; pod color green and purple when immature, dark purple at green shell stage, and purple when dry; concentrated pod set; pods slightly curved; fresh peas have a slight kidney shape and a green color with a bright-pink eye; dry peas have smooth to slightly wrinkled, cream colored tests with a dark maroon eye; eye is slightly larger than that of Pinkeye Purple Hull; seeds smaller than those of Pinkeye Purple Hull, 18 g per 100 seed. Generally 10 days earlier and higher yielding than Pinkeye Purple Hull and Pinkeye Purple Hull-BVR; outstanding yield potential; outstanding freezing and canning characteristics. Resistance: root knot nematodes; immune to Georgia isolate of blackeye cowpea mosaic virus and some isolates of cowpea aphid borne mosaic virus, but susceptible to other isolates; tolerance to isolates from California and India; susceptible to rust, powdery mildew, and cercospora leaf spot. PVP. Adaptation: culture on highly calcareous soils. HortScience 29:926–927, 1994. 1990.


Worthmore.—Breeder: Univ. of Georgia, Tifton. Parentage: Mississippi Silver x Pinkeye Purple Hull. Characteristics: upright plant habit; pod color at green shell maturity, purple; typical pod is 18 cm long and contains 16 peas; green shell peas are light green with a slightly tan eye; dry seeds are light tan with a greenish tan eye and have a smooth testa; excellent yield potential; 63 day maturity; plants and pods similar to Pinkeye Purple Hull, and seeds very similar to Mississippi Silver; suited for home gardens, fresh market, and processing. Resistance: resistance or tolerance to cowpea chlorotic mottle virus, southern bean mosaic virus, cucumber mosaic virus, and cowpea aphid borne mosaic virus. HortScience 11:621–622, 1976.

Spinach

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Eslivato.—Breeder and vendor: Royal Sluis. Characteristics: dark green, smooth leaf, suited to fresh market and processing, adapted to higher latitudes of North America. Resistance: downy mildew 1, 2. 1979.


Rainier (Exp. 4375).—Breeder: Christiansen. Characteristics: medium curled green, savoy spinach for fall planting in white rust problem areas. Resistance: tolerance to blue mold 1, 2; high tolerance to white rust. Similar: Ozarka, 612, 1984.


SQUASH

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Baraka (Chy 4021).—Breeder: ARCO/Dessert Seed. Characteristics: early maturing, light green Lebanese type squash; plants are medium in size with a semi-open bush and single stem; fruit are 4–5 in length, smooth and slightly larger at the blossom end, very productive. Similar: Clarita.


Butternut Supreme (PSX 11395).—Breeder and vendor: Petoseed. Characteristics: winter squash, uniform thick neck fruit, large vine, 4 lb. 1990.


Castle Queen (Chy 4022).—Breeder and vendor: ARCO/Dessert Seed. Characteristics: medium dark green zucchini with very slight flecking, plants are open bushes, fruit are uniform, cylindrical, and smooth. Similar: Ambassador, Seneca, 1985.

Castlejade (Chy 4005).—Breeder: ARCO/Dessert Seed. Characteristics: longer fruited zucchini, fruit 7.25–8.5 long, uniform, smooth, dark green with light green flecks, plants are medium open and single stemmed. Similar: Aristocrat, Zucchini Elite.


Congress (XPH 1565).—Breeder and vendor: Asgrow. Characteristics: longer fruit length then Senator, and one pick earlier. Similar: Senator.


Counselor (PS 35691).—Breeder and vendor: Petoseed. Character-


**Dali (FMX 202).—**Breeder and vendor: Ferry-Morse. Characteristics: similar to Lebanese type marrow but longer and more cylindrical. Similar: Jedida.


**El Greco (FMX615).—**Breeder and vendor: Ferry-Morse. Characteristics: dark green, glossy skin, very attractive zucchini shape, open bush habit. Similar: Ambassador.


**Goldfinger (XPH 1294).—**Breeder and vendor: Asgrow. Characteristics: golden zucchini; L/D 3.8; firm seed cavity, cylindrical, plants are open with flecked leaves, processing, home garden, or fresh-market use. Similar: Goldrush. 1985.


**Grisette (Chy 4026).—**Breeder and vendor: ARCO/Dessert Seed. Characteristics: medium gray green fruit color with some stripe, leaves are dark green with some silver, fruit are +6.25" long with some taper to the end. Similar: Caserta. 1983.


**Lancer (XPH 1546).—**Breeder and vendor: Asgrow. Characteristics: long, cylindrical, lighter colored than Senator, zucchini squash, small, open bush, projected for early market needs. Similar: Senator, Seneca zucchini.


**Mellow Gold (XP 931).—**Breeder and vendor: Agway. Characteristics: 50 day yellow straightneck summer squash, fruit are slightly tapered to cylindrical. Similar: Gold Slice. 1987.


**Monet (FMX227).—**Breeder and vendor: Ferry-Morse. Characteristics: precocious yellow straight neck, medium yellow color with yellow stem, plant is 18–28" depending on growing season and location, good yields. Similar: Lemondrop, Multikip.

**Obodas (XPH 1757).—**Breeder: Asgrow. Characteristics: squash of English Marrow type for Middle East, slightly slender fruit, same color as English Marrow with a distinct blossom end scar, light green. Similar: English Marrow. 1994.


**Rama (XPH 1517).**—Breeder and vendor: Asgrow. Characteristics: an English marrow type, light green in color; L/D 2–3 at prime pickling stage for Middle East, high yielding over long pickling period. Similar: Clarita. 1986.


**Sun Drops (NVH 3661).**—Breeder and vendor: Northrup King. Characteristics: yellow, egg-shape fruit with flavor similar to crooknecks, small bush with short petals, spiny and semi-vining, used mostly for home garden. 1986.


**Suprema (XPH 8102).**—Breeder and vendor: Asgrow. Characteristics: large green, winter squash with a thick rind; unique. 1993.

**Sweet Gourmet.**—Vendor: Burpee. Characteristics: has excellent field tolerance to disease, late in the harvest season, garden type.

**Sweet Zucchini (PSX 2588).**—Breeder and vendor: Petoseed. Characteristics: large vigorous plants bush very high yielding; fruit are dark green, 7” long, cylindrical and have a very unusual sweet, nutty flavor, unique, zucchini-like. 1992.


**Verdemax (Chy4007).**—Breeder and vendor: ARCO/Dessert Seed. Characteristics: dark green zucchini with superior processing and market quality, fruit borne on a medium-large open single-stemmed plant. Fruit are cylindrical, smooth, glossy, and very uniform. Similar: Blackjack.


**SWEETCORN**

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**Advance (CXP 514).**—Breeder: W. Whittwood. Vendor: Musser. Characteristics: 86 day maturity, ears enclosed in dark green, long husk with many flags, ears have high row count with deep, narrow kernels, road market, shipping and processing. 1984.

**Alexis.**—Breeder and vendor: Crookham. Characteristics: main


Amazingly Sweet (FMX 332).—Breeder and vendor: Ferry-Morse. Characteristics: 82 day maturity, bicolor shrunken-2, well filled ears are very attractive with long dark flags and dark green husk, ears 7.5–8.5” × 1.9–2.0”, cylindrical to slightly tapered ear. 18–22 rows. Resistance: Rp1 rust, tolerance to heat smut. Similar: Hudson.


Blaze.—Breeder and vendor: Crookham. Characteristics: main season, processing-type hybrid with single gene resistance to leaf rust and tolerance to northern corn leaf blight; large ear and a narrow deep kernel which will result in good field and plant recovery. 1992.


**Breeder and vendor:** Johnny’s. Characteristics: second early, heterozygous ze bicolor, 77 day maturity, good cold emergence, 7’ plant with large 8-husked ear with 16 rows, very good husk protection. Similar: Crossword, Concord. 1988.


**Competitor.**—Breeder and vendor: Crookham. Characteristics: midseason shrunken-2 (supersweet), developed primarily for processing, but could also be used for fresh market. Similar: Cascade. 1993.


**Cornetti (E0503).**—Breeder: C. Pahl. Vendor: Ferry-Morse. Characteristics: late bicolor, ears well covered by dark green husk with medium to long flags, ears are cylindrical with narrow, deep kernels, 18–24 rows, some tolerance to rust. Similar: Bi-Queen. 1983.


**Dapple (Hybrid 58).**—Breeder and vendor: Seedway. Characteristics: 78 day maturity, bicolour shrunken-2, plants mostly single stalked 6–6.5’ tall, ears have 16–20 kernel rows, husk cover over end of ear tends to be less than 1”, many flag leaves. Similar: Dazzle. 1992.


**Early Charm (XP 492).**—Breeder and vendor: Agway. Characteristics: 69 day maturity, bicolour with 7.5–8” ears having 14–16 rows, genotype is normal sugary-1, flag leaves average 6”, and the ear has 1–2” of tip cover. Resistance: stews wilt. 1987.

**Earlypak (SUNEX 2610).**—Breeder and vendor: Sunseeds. Characteristics: sugary, NSCBA classification IIa, yellow kernels, 71 day maturity, 1623 GDD, 24” ear, short, husk cover, 8.0 x 1.8” ear size, slightly tapered ear, 14 rows. Similar: Spirit. 1989.


**Envy (Hybrid 38).**—Breeder and vendor: Seedway. Characteristics: 79 day maturity, yellow, shrunken-2 genotype, plants 6-7’ tall, single stalked ears are 7–8’ long with tapered tips, husks are very tight. Similar: Voyager, SS7630. 1995.


**Everprime (SCH 14036).**—Breeder and vendor: Illinois Foundation Seed. Characteristics: shrunken-2 bicolour with good emergence and vigor, has unique ability to maintain refined ear appearance and eating quality on the stalk and after picking, uniform ears 7–8’ long with excellent tip fill. Resistance: northern corn leaf blight, stews wilt. Similar: Quasar.

**Excalibur (FMX 305).**—Breeder and vendor: Ferry-Morse. Characteristics: 85 day maturity, yellow normal sugary-1 processing corn, deep refined kernels. Plant height is 7–8’ tall, 32–36” ears, very strong erect plant with few tiller. Resistance: rust, stews wilt, smut. Similar: Viking.


**Extender (GH 2451).**—Breeder: L. Hansen. Vendor: Rogers. Characteristics: a late midseason, containing the ze gene in the heterozygous condition, the ear is 9.5’ long with 20 rows, well suited for...

**Fanciful (705).**—Breeder and vendor: Crookham. Characteristics: homozygous shrunk-2, primarily developed for the cob corn market, has good cylinder appearance, excellent length to diameter ratio and straight rowing. Similar: Supersweet Jubilee. 1989.


**Fiesta (XP 753).**—Breeder: M. Dunn. Vendor: U of NHG. Characteristics: 10 days earlier than Purple Husk Rainbow, 60% purple stalks, ear length 7.5"; seven different colors presented in the ears; not the same as Fiesta from Crookham (1952). Similar: Purple Husk Rainbow. 1984.


**Gold Dust (XP 301).**—Breeder: D. Taylor. Vendor: Robson. Characteristics: 72 day maturity, yellow with 7.8" ears, average of 14–16 rows; ears have 2–3" of husk protection, plants are 6.5–7.5" in height. Similar: Sundance. 1985.


**Honey Buns.**—Breeder and vendor: Crookham. Characteristics: heterozygous sugary enhancer, early hybrid designed to have more cold tolerance than homozygous sugary enhancer's of the same season. Similar: Sugar Buns. 1989.

**Honey Queen.**—Breeder and vendor: Rogers. Characteristics: yellow supersweet for fresh-market or roadside applications, ears are cylindrical, 8.5" and uniform. Similar: Supersweet Jubilee, Sweetie 82. 1994.


**Indian Summer (HMX 33580S).**—Breeder: T. Natti. Vendor: Harris Moran. Characteristics: 77 day maturity, tricolor or multicolored supersweet, traditional bicolour corn with purple-red and black kernels, some speckled color kernels as well, eating quality is unique, very sweet and uniquely tender for a shrunk-2 variety, eat fresh like sweetcorn.


**Jewel (XP464).**—Breeder and vendor: Agway. Characteristics: 75 day maturity, bicolour, shrunk-2 genotype; plants are 6–6.5" tall, generally single stalked; ears are 8–8.5" in length with 14–16 kernel rows, distinguished by stiff-branched, fluffy tassel. Similar: Top Notch.


Kandy Treat EH (85-531 EH).—Breeder: Dr. Whitwood. Vendor: Musser. Characteristics: 83 day maturity; short compact plant; ear long; 14–16 rows; quality excellent; very tender and sweet; yellow homozymous, home garden and local markets. 1987.


Lexus (FMX 292).—Breeder and vendor: Ferry-Morse. Characteristics: 80-day maturity, yellow, normal sugary-1 processing sweetcorn, refined deep kernels, good flag length and strong plant; height is 6–7’ and ears are 28”. Resistance: RplId rust, moderate to good leaf blight. Similar: Jubilee.

Little Jewels (NH54D).—Breeder: G. Dunn. Vendor: UNH. Characteristics: 4” ear with small, multicolored kernels; over 50% purple husk; 6–7” plant; matures in 95 days in northern New England, making it the earliest ornamental flint corn. Similar: Fiesta, but considerably smaller ear. 1988.

Lumina (FMX293).—Breeder and vendor: Ferry-Morse. Characteristics: 82–83 day maturity, yellow, normal sugary-1 processing corn, 18–22 row, 8–11’ long, has deep refined kernels. Resistance: RplId rust, smut, southern corn leaf blight. Similar: More, Viking.


Oasis (XPH191).—Breeder and vendor: Agway. Characteristics: 80 days bicolor sweetcorn heterozygous se, 8.5 ears have 16–18 straight kernel rows, medium green plants are 8–9’ tall, has tendency to produce 2 ears per plant. Similar: Calico Belle.


Pearl White (XP925).—Breeder: Dr. Long. Vendor: Agway. Characteristics: 75 day maturity, white with 7.8’ ears having 14–16 rows, unhusked ears have 1.5–2” husk cover; the plant is nearly tillerless; average 7” in height. Resistance: stewart wilt. Similar: Snow Cap. 1984.


Phenomenal.—Breeder and vendor: Crouokham. Characteristics: main season bicolor homozygous shrunken-2 sweetcorn developed primarily for markets requiring dozens per acre case recovery and a 5


**Quest.**—Breeder and vendor: Rogers. Characteristics: bicolor supersweet with 8” ear and dark green husk; shipper type to the east coast; medium resistance. Similar: *H. turcicum* and stewsarts wilt. Similar: Candy Store, Angel Corn. 1994.


**Rise-N-Shine (XP 723).**—Breeder: D. Cotton. Vendor: Agway. Characteristics: 69 day maturity, bicolor, heterozygous *se* sweetcorn; plants are 5’ tall and free of tillers; ears are 7.5” long, blunt tipped with 12–16 kernel rows. Resistance: stewsarts wilt. 1990.


**Showboat (Hy 58).**—Breeder and vendor: Seedway. Characteristics: 78 day maturity, bicolor, *shrunken-2*, plants mostly single stalked 6.5” tall, 16–20 rows, husk cover over end of ear tends to be less than 1”, many flag leaves. Similar: Dazzle.


**Showtime (XP186).**—Breeder and vendor: Agway. Characteristics: 76 day maturity, bicolor type, heterozygous *se*; 8–8.5” ears with 18 straight kernel rows, dark green plants 6’ tall. Similar: Harmony.

**Silver Dollar (HMX).**—Breeder: T. Natti. Vendor: Harris Moran. Characteristics: white *shrunken-2*, 76 day maturity, strong seedling vigor and plant, thick stalk with lodging tolerance, attractive husk with short but adequate cover, 19 cm ears well filled easy to hand pick, sweet flavor with a tough pericarp. Resistance: tolerance to maize dwarf mosaic virus, stewsarts wilt, northern corn leaf blight. Similar: Snow White.

**Silver-n-Gold.**—Breeder: Rupp. Vendor: Crookham. Characteristics: 80 day maturity, homozygous *se*, bicolor type with 1.875 x 8.5” ear, excellent disease resistance. 1990.
Sixpak (SCH22510).—Breeder and vendor: Illinois Foundation Seed. Characteristics: shrunken-2 yellow with good emergence and seedling vigor, plants are uniform and sturdy with good ear package especially long husk protection, ears are 6.5 × 2.0” and have blunt, well-filled tips. Resistance: moderate to rust and northern corn leaf blight.


Snow Cap 84 (XP436).—Breeder: G. Ruttencutter. Vendor: Agway. Characteristics: 78 day maturity, white with 7.5” ears and 14–16 rows, good flag leaves and tight husk cover, excellent cold tolerance gives the ability for seedling emergence from cold soils, moderate tolerance to stews wilt. Similar: Snow Cap. 1984.


Snowmass (WSS4186).—Breeder and vendor: Rogers. Characteristics: 79 day maturity, white shrunken-2 with ears 1.8×8”, and 16–18 rows. Similar: Frontier, Even Sweeter, Pegasus.


Sweet and Slim.—Breeder and vendor: Burpee. Characteristics: ears are almost cobsless; 0.75” cob diameter.


Sweet Ice (HMX3356WES).—Breeder: T. Natti. Vendor: Harris Moran. Characteristics: 74 day maturity, white, attractive dark green husk, 7” ear, 14–16 rows and good tip fill; 3 endosperm are on the ear and combine to give good flavor and sweetness. Resistance: tolerance to stews wilt and smut. Similar: Quick Silver-73W.


Tender Delight (84-1360).—Breeder: Dr. Whitwood. Vendor: Musser. Characteristics: 93 day maturity, dark green plant, ears 8.5”, quality excellent, tender pericarpic, very sweet, yellow, homozygous se, home garden and local markets. 1989.

Tere Bonito.—Breeder: Big Crop. Characteristics: medium tall, excellent stalk strength, semierect leaves with good ear retention, good heat and drought tolerance recommended for plant populations of 22,000–23,000. 1989.


Topacio (HMX8396).—Breeder: K. Christensen. Vendor: Harris Moran. Characteristics: 85 day maturity, yellow sugary-1 variety, tall plant, used for fresh market and processing, 8–8.5” long ears with a narrow cob, 16–18 rows, good husk cover and flag leaves. Resistance: rust, maize dwarf mosaic virus, stews witt, northern corn leaf blight tolerance.


Triton.—Breeder and vendor: Crookham. Characteristics: rust resistant yellow shrunken-2 (supersweet) hybrid with large ear and a narrow deep kernel, excellent eating quality; has the ability to hold quality in the field and after harvest. Similar: Tribune. 1990.


Twilight (XP 147).—Breeder and vendor: Agway. Characteristics: 78 day maturity, bicolour, homozygous se genotype, ears are 8–8.5” long with 18–22 kernel rows, ear tips are blunt, plant height is 6.5”. Similar: Sparkle Sweet. 1990.


Vantage EH (84-1209).—Breeder: Dr. Whitwood. Vendor: Musser. Characteristics: 85 days maturity medium height sturdy plant, ears are long slender, kernels are deep and tender, rowing and tip fill excellent, yellow heterozygous, processing. 1986.


Victor (FMX 329).—Breeder and vendor: Ferry-Morse. Characteristics: strong plant, good vigor, erect appearance, dark green husk color, good flag leaves, ear 7.5–8.5” x 1.9–2”. Resistance: moderate to northern leaf blight, head smut.


Voyager (Hybrid 55).—Breeder and vendor: Seedway. Characteristics: 78 day maturity, yellow shrunken-2 genotype, plants are single stalked, 6–6.5’ tall, ears are 8–8.5” with 14–16 kernel rows, mostly 16–18 rows, husk is very tight. Similar: S37210. 1994.


**SWEETPOTATO**

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**SWISS CHARD**

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Argentata.—Characteristics: Italian heirloom type, silvery white midribs and savoyed deep green broad leaves, mild and sweet flavor.

**Fordhook Giant.**—Characteristics: leaves dark green, savoyed, white veins, stems broad and white, heat resistant, fresh-market use.

**Large White Ribbed.**—Characteristics: leaves dark green, smooth, white veins, stems broad and smooth, white, slightly flattened.

**Paros.**—Characteristics: tall, shiny, upright green leaves on thick white stalks, mild and sweet flavor.


**Silverado.**—Breeder: Alf Christiansen. Characteristics: glossy dark green leaves and white stems, compact habit, excellent flavor.

**TOMATO**

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**All Star (PSXM 72482).**—Breeder and vendor: Petoseed. Characteristics: 78 day maturity, large and extra large fruit, 7 oz, green shoulder, deep globe, smooth, firm, jointed, large determinate. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. 1985.


**Atlantic City (FMX 58).**—Breeder and vendor: Ferry-Morse. Characteristics: jointless, bush or short stake culture, high yields of uniform green, large to extra large firm smooth fruit, vine medium large determinate with curly foliage, medium early maturity, machine harvest capability. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot, alternaria stem canker. Similar: Blazer, Duke, Tempo, Flora-Dade. 1983.


**Baccarat (FMX155).**—Breeder and vendor: Ferry-Morse. Characteristics: bush or short stake production market type, jointless, medium large, green shouldered fruit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot. 1990.


**Beef King (NHV 4534).**—Breeder and vendor: Northrup King. Characteristics: a home garden, bedding plant type, produces super large fruit weighing in a range of 300-350 g, excellent flavor, good interior color, good texture, Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. Similar: Beef Master, Supersteak, Bragger. 1987.


**Benewah (Idaho 21).**—Breeder and vendor: Univ. of Idaho. Moscow. Parentage: Pixie Hybrid x Sub-Arctic Midi. Characteristics: indeterminate, later ultra-early maturity, good leaf cover, slightly oblate 6–7 cm fruit. Similar: Sub-Arctic varieties. Adaptation: cool,


**Bonita (NVII 4457).**—Breeder and vendor: Northrup King. Characteristics: fresh-market hybrid for the commercial grower, fruit are globe to deep globe, firm, smooth shoulders, blossom end scar is tight, fruit are jointless, plant is medium vigorous of determinate habit. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, gray leaf spot. Similar: Sunny. 1986.


**BOS 3203 (3203).**—Breeder and vendor: Orsetti Seeds. Characteristics: midseason processing hybrid, square-round shape, firm, jointless, excellent internal and external color, vine cover and fruit set are very good. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes. 1987.


**BOS 8132 (8132).**—Breeder and vendor: Orsetti Seeds. Characteristics: medium to large vine, hybrid processing type, jointed pedicel, square round shape, green shoulders, versatile for peeling, dicing, or product use. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes. 1990.

**BOS 8147 (8147).**—Breeder and vendor: Orsetti Seeds. Characteristics: processing hybrid with a medium to large, dark green vine, large, firm, good colored fruit, good yields and holding capacity, for dicing and product use. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes. 1990.

**Brigade (XPH 5210).**—Breeder and vendor: Asgrow. Characteristics: square peeler and dicer with utilization also for high solids and viscosity products, a consistent performer that is adapted to all major production areas. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: E6203. 1986.


**Bush Big Boy.**—Breeder and vendor: Burpee. Characteristics: improved Big Boy type, with reduced plant size and added disease resistance, for garden use.

**Butte (FM 50189).**—Breeder and vendor: Ferry-Morse. Characteristics: early, heat tolerant, deep round type with very good, compact vine for twin row planting, firm fruit with good quality. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker. 1990.


Corona (PSX 26381).—Breed and vendor: Petoseed. Characteristics: 77 day maturity, deep oblate 8 oz fruit, uniform green, small scars, very smooth, jointed, medium to large size, large determinate plants. Resistance: verticillium wilt race 1, nematodes, tobacco mosaic virus, alternaria stem canker, gray leaf spot, fusarium wilt races 1 and 2. 1987.


Count Fleet (#46).—Breed and vendor: Ferry-Morse. Characteristics: a firm large-fruited fresh-market hybrid for bush or short stake culture, high yields of uniform ripening fruit for grower-shippers, it is nearly as early as Jackpot, but with larger fruit. Resistance: verticillium wilt race 1, tobacco mosaic virus, gray leaf spot, fusarium wilt races 1 and 2. Similar: Jackpot, Bingo. 1982.


Empire (PSX 77384).—Breed and vendor: Petoseed. Characteristics: fresh-market type, midseason, 72 day maturity, medium-large determinate, fruit deep oblate, 8 oz or 230 g, green shoulder, heavy yielder. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus, alternaria stem canker, gray leaf spot. 1990.


First Prize (012718).—Breed and vendor: Petoseed. Character-
istics: fresh market, indeterminate, greenhouse type, large, firm globe shaped fruit, green shoulder, midseason maturity. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, tobacco mosaic virus. Similar: Carmelo. 1995.


**Flavor King (NVII 4356).**—Breeder and vendor: Northrup King. Characteristics: a home garden bedding plant type, medium to large size from 190–250 g or 9 oz, excellent flavor, good interior and exterior color, easy peeler, indeterminate, i.e. long season harvest. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: Whopper, Champion, Super Fantastic. 1987.

**Flavormore 210 (FMX210).**—Breeder and vendor: Ferry-Morse. Characteristics: extended shelf life hybrid, first fusarium race 3 resistant variety, high yield, firm, large fruit, late maturity, medium large vine suitable for staking, jointless pedicel. Resistance: cracking, verticillium wilt race 1, tobacco mosaic virus; fusarium wilt races 1, 2, 3. Similar: other vine ripe harvest, long shelf life varieties. 1995.

**Flavormore 212 (FMX212).**—Breeder and vendor: Ferry-Morse. Characteristics: large, firm and very smooth fruit, market hybrid of the extended shelf life type, medium compact vine provides good foliage cover, suited to bush product, with extra fertilizer before flowering can develop large enough vine for staking. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: bush type long shelf life varieties. 1995.


**Fourth of July.**—Breeder and vendor: Burpee. Characteristics: garden type, early, a large number of fruit ripe on early pick.


**Gemstar (012-803).**—Breeder and vendor: Petoseed. Characteristics: hybrid, mid-late maturity, medium-large fruit, 150–180 g, uniform shoulder, jointed, small compact bush plant. Resistance: verticillium wilt race 1, fusarium wilt race 1, gray leaf spot, TYLCV. Similar: Ty20, Tymor, E436, E437.

**Gilbraltar (PSM74180).**—Breeder and vendor: Petoseed. Characteristics: 76 day maturity, 7–8 oz, deep oblate fruit, medium to large size, fairly smooth, green shoulders, jointless pedicels, medium to large determinate plants. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. 1986.


**Haley 3155 (3155).**—Breeder and vendor: Orsetti Seeds. Characteristics: processing hybrid, jointed pedicels, large round fruit, thick walls, good internal color, uniform green shoulders, for dicing, whole peel and other uses, vine cover is desirable, fruit hold well, yield is excellent. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1. 1987.


**Hunter (PSX 60431).**—Breeder and vendor: Ferry-Morse. Characteristics: early square-round type with high solids, good consistency, very coarse foliage, fruit has light green shoulders, good interior color. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker; good tolerance to heat. Similar: UC 82. 1983.


**Hy 337 (PSX 33790).**—Breeder and vendor: Petoseed. Characteristics: 128 day maturity direct seed, processor, square-round 3.3 oz, medium viscosity, 5.5–6.5% soluble solids, medium large determinate plants, fairly concentrated set. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, alternaria stem canker, gray leaf spot. 1985.

**Hy 882 (PSP882).**—Breeder and vendor: Petoseed. Characteristics: 125 day maturity direct seed, processor, 2.5 oz, blocky pear, medium viscosity, 5.4–6.2% soluble solids, excellent color, medium large determinate plants, concentrated set. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, alternaria stem canker, gray leaf spot, bacterial speck. 1986.


**Hychimo (PSX124982).**—Breeder and vendor: Petoseed. Characteristics: very deep globe, 5 oz or 160 g, green shoulder, jointed,
suitable for greenhouse and fresh market. Resistance: verticillium wilt race 1, nematodes, fusarium wilt race 1, tobacco mosaic virus. 1986.


**Hype 696 (PS P696).**—Breeder and vendor: Petoseed. Characteristics: high yields, uniform fruit with small stem scar, high peel recovery. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker, gray leaf spot. 1990.


**Keno (FMX 98).**—Breeder and vendor: Ferry-Morse. Characteristics: jointless fresh-market hybrid, high yielding, large fruited, firm, good flavor, smooth, good foliage cover, suitable for short stakes or bush culture. Resistance: nematodes, verticillium wilt race 1, fusarium wilt race 1, gray leaf spot, alternaria stem canker. 1988.

**La Rossa (NVH 4762).**—Breeder and vendor: Northrup King. Characteristics: pear-shaped processing type, fruit are firm with thick walls, excellent internal color, the locale number is usually two-three, vines are large, very vigorous with outstanding fruit color; use for whole peel, pear pack, slicing, dicing, wedging and sauce. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. Similar: Peto 1488, Castlelar, Castelelong, Marcero. 1986.


**Lemon Boy.**—Breeder and vendor: Petoseed. Characteristics: 72 day maturity, lemon-colored fruit, deep globe, 6 oz or 170 g, green shoulder, large, indeterminate plants. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes, alternaria stem canker, gray leaf spot. Adaptation: home garden, local markets. 1984.

**Libra (PSX GH40779).**—Breeder and vendor: Petoseed. Characteristics: deep oblate, green shoulder, excellent color, slightly ribbed, medium to large sizes, large indeterminate plant for greenhouse or fresh market. Resistance: verticillium wilt race 1, tobacco mosaic virus. 1987.


**Lucky Lady.**—Breeder and vendor: Sunseeds. Characteristics: fresh market, medium-large vine, normal joint, uniform ripening, large, deep oblate fruit, very tight blossom end scar. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes, alternaria stem canker, gray leaf spot. Similar: Shady Lady.


**Merced (NVH 4461).**—Breeder and vendor: Northrup King. Characteristics: extremely smooth, large, deep globe-shaped fruit, typically has smooth blossom end and shoulders, fruit stems are jointed. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tobacco mosaic virus, gray leaf spot. Similar: Sunny, Jackpot. 1991.


**Millagro (P3MS65799).**—Breeder and vendor: Petoseed. Characteristics: 71 day maturity, 6–7 oz or 170–200 g, deep oblate fruit, green shoulder, jointed, medium size determinate plants. Resistance: verticillium wilt race 1, nematodes, gray leaf spot, fusarium wilt races 1 and 2, alternaria stem canker, tobacco mosaic virus. 1986.


Monaco (FMX 104A).—Breeder and vendor: Ferry-Morse. Characteristics: jointless, market hybrid for bush or short stake production, fruit is large, smooth firm, better fruit set and earlier maturity than Keno. Resistance: fusarium wilt races 1 and 2, nematodes, verticillium wilt race 1, gray leaf spot, fair to cracking. Similar: Sweepstakes. 1990.


Ohio 832 (O7868).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: Purdue 7323 × [(VF34 × [(UC98 × Campbell 28) × (Ohio 2170 × VF Roma)])] F1. Characteristics: early to main season processing tomato, medium upright to semi-prostrate vine, determinate (sp), blocky to plum shaped 95 g fruit, small stem scar and core, uniform ripening (u), crimson (ogc from Purdue 7323). Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the midwest, eastern United States and Canada. 1986.


Ohio 7663 (E1084).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: [(Ohio 2070 x Campbell 28) x Florida 2125-D1-S2] F<sub>1</sub>. Characteristics: early-season main season processing tomato developed for machine harvest, semi-prostrate vine, oval shaped 60 g fruit, small stem scar and core, uniform ripening (u), determinant, jointless pedicel (j2). Resistance: fusarium wilt race 1; tolerance to verticillium wilt race 1. Adaptation: the Midwest and Eastern United States. 1979.

Ohio 7681 (E2524-1).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: [(Ohio 2170 x Bouncer) x (Campbell 28 x Heinz 1547)] F<sub>1</sub>. Characteristics: early-season main season processing tomato, semi-prostrate vine, blocky, deep-globe shaped 117 g fruit, uniform ripening (u), determinant. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the Midwest and Eastern United States. 1981.

Ohio 7814 (OH871-3).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: C37 x ([VF34] x (UC98 x C28) x (Ohio 2170 x VF Roma)) F<sub>1</sub>. Characteristics: early-season processing tomato, medium-small, prostrate vine, blocky to plum shaped fruit, small stem scar and core, jointless pedicel (j2), uniform ripening (u), determinant. Resistance: fusarium wilt race 1. Adaptation: the Midwest and Eastern United States and Canada. 1982.

Ohio 7870 (OH1657-1).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: [(Ohio 736 x Ohio 2070) x (VF34) x (UC98 x C28) x (Ohio 2170 x VF Roma)] F<sub>1</sub>. Characteristics: early-season processing tomato, medium, plum shaped 100 g fruit, uniform ripening (u), determinant. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the Midwest and Eastern United States and Canada. 1982.

Ohio 7985 (K2365-1).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: [C37 x ([VF34] x (UC98 x C28) x (Ohio 2170 x VF Roma))] F<sub>1</sub>. Characteristics: early-season processing tomato, medium size, prostrate to semi-prostrate vine, blocky to plum shaped, 55 g fruit, small stem scar and core, jointless pedicel (j2), uniform ripening (u), determinant. Resistance: fusarium wilt race 1, tolerance to verticillium wilt race 1. Adaptation: the Midwest and Eastern United States and Canada. 1982.

Ohio 8243 (A2905).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: [(OH871-3 x (C37 x Ohio 7681))] F<sub>1</sub>. Characteristics: main season processing tomato, medium upright to semi-prostrate vine, blocky to plum shaped, 55 g fruit, small stem scar and core, jointless pedicel (j2), uniform ripening (u), determinant. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the Midwest and Eastern United States and Canada. 1984.

Ohio 8245 (OA 2944).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: [(OH871-3 x (C37 x Ohio 7681))] F<sub>1</sub>. Characteristics: main season processing tomato, upright to semi-prostrate vine, blocky to plum shaped, 55 g fruit, small stem scar and core, jointless pedicel (j2), uniform ripening (u), determinant. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the Midwest and Eastern United States and Canada. 1984.

Ohio 8556 (F1511).—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: [(OH871-3 x [OH 7870 x (H871-3 x [PU 76-88 x OHH1 179])]]) F<sub>1</sub>. Characteristics: main season processing tomato, upright to semi-prostrate vine, ovate, 56 g fruit, small stem scar and core, fruit color is crimson (op), jointless pedicel (j2), uniform ripening (u), determinant. Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the Midwest United States, Canada. 1991.

Ohio OX38.—Breeder and vendor: The Ohio Agricultural Research and Development Center. Parentage: Ohio 8245 x Ohio 88119 [(Heinz 722 x Heinz 2653 (F5)) x (Ohio 7870 x OK1483-3 (F5))] F<sub>1</sub>. Characteristics: medium vine, determinate, ovate to plum shaped, 54 g fruit, uniform ripening (u), jointless (j2). Resistance: fusarium wilt race 1, verticillium wilt race 1. Adaptation: the Midwest United States, Canada. 1995.


Pink Girl.—Breeder and vendor: Petseed. Characteristics: 76 day maturity, smooth pink-fleshed, red flesh 8 oz or 230 g, deep oblate, green shoulder, large indeterminate plants. Resistance: verticillium wilt race 1, fusarium wilt race 1, gray leaf spot, alternaria stem canker. Adaptation: home gardens. 1984.


Red Century 32 (17098).—Breeder and vendor: Orsetti Seeds. Characteristics: indeterminate processing type with exceptional color and firmness for a 115 day tomato, good results for whole peel and dice use, very good soluble solids. Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes, bacterial speck. 1976.


Redpak (NFHF).—Breeder and vendor: Harris Moran. Characteristics: second early, large extra firm fruit on a open compact plant, fruit has excellent shelf life when picked at mature red stage. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2. 1974.


Roulette (#60).—Breeder and vendor: Ferry-Morse. Characteristics: firm, large fruited, fresh-market hybrid for bush culture, high yields of uniform ripening fruit for grower-shippers, it has firmer fruit and more disease resistance than Full House. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes, gray leaf spot. Similar: Full House. 1982.


Royal Red Cherry (76VFTI).—Breeder and vendor: Univ. of California, Davis. Parentage: (Large Red Cherry × 70T999). Characteristics: indeterminate vine, early-midseason maturity, 3.1–3.5 cm fruit. Resistance: fusarium wilt race 1, verticillium wilt race 1, tobacco mosaic virus, alternaria stem canker. Similar: Large Red Cherry, Jumbo Cherry. HortScience 15:98. 1980.


San Marino (E0208A).—Breeder and vendor: Ferry-Morse. Characteristics: medium early pear tomato for whole peel pack and paste, medium size vine with curly foliage, the fruit is blocky, uniform ripening, highly colored. Resistance: fusarium wilt race 1, high to fruit cracking; tolerance to early blight. Similar: Napoli. 1975.


Shady Lady (Simnre 6559).—Breeder and vendor: Sunseeds. Characteristics: determinate bush is very sturdy and does not fall open under fruit weight, excellent set of large and extra large fruit. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker, gray leaf spot. Similar: Blazer. 1989.


Siletz (OSU 165).—Breeder and vendor: Oregon State Univ. Characteristics: early fruit set and seed set, seedlessness, large average

Silverado (FMX 951).—Breeder and vendor: Ferry-Morse. Characteristics: high yielding pear type hybrid, medium early, medium sized vine, good foliage color, fruit harvests essentially stem-free, has good firmness and color. Resistance: verticillium wilt race 1, fusarium wilt race 1, alternaria stem canker. Similar: Macero 2. 1990.


Springfield (FMX 174).—Breeder and vendor: Ferry-Morse. Characteristics: leaves are broad and dark green providing excellent cover, the vine is determinate, size is large, fruit are firm, globe shaped, fruit size is distributed better medium-large. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tobacco mosaic virus, gray leaf spot, alternaria stem canker. Similar: Sunny, Shady Lady, Sunbelt. Adaptation: California, Florida. 1995.


Super 528 (11528).—Breeder and vendor: Orsetti Seeds. Characteristics: processing hybrid, square-round shape, for whole peel and dicing, excellent quality, large vine, exceptional cover, high solids.
Resistance: fusarium wilt races 1 and 2, verticillium wilt race 1, nematodes. 1996.


**Super Marzano (PSX 309686).**—Breeder and vendor: Petoseed. Characteristics: fruit are large, long, pear shaped, weight ≈4 oz, green shouldered, maturity is midseason, plants are indeterminate, quite large, have very good disease resistance. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes, tobacco mosaic virus, bacterial speck. Similar: San Marzano. 1992.


**Supsersweet 100 (NVH 4353).**—Breeder and vendor: Northrup King. Characteristics: cherry type =1” diameter, indeterminate variety, staked plants produce several long, multiple branched clusters containing 100 or more fruit. Resistance: verticillium wilt race 1, fusarium wilt race 1. Similar: Sugar Lump. Sweet 100. 1986.


**Sweet Quartz (MS5).**—Breeder and vendor: Sakata. Characteristics: cherry tomato with excellent taste, disease free. Resistance: tobacco mosaic virus, fusarium wilt race 1, gray leaf spot, Cladosporium gray leaf mold.

**Tango (NVH4467).**—Breeder and vendor: Northrup King. Characteristics: large, deep globe, uniform green shoulders, jointed pedicels, fruit have been smooth with good blossom ends, excellent interior quality, good red color. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, tobacco mosaic virus, alternaria stem canker, gray leaf spot. Similar: Celebrity, Sunny, Bingo, Blazer. 1991.


**Tenna (XP 4054).**—Breeder and vendor: Asgrow. Characteristics: UC 82 plant type, 120–150 g fruit size, very firm, full season, hand harvest or machine. Resistance: verticillium wilt race 1, fusarium wilt race 1, tobacco mosaic virus. Similar: UC 82. 1987.

**Tierra (HMX 6841).**—Breeder and vendor: Harris Moran. Characteristics: bears firm, round fruit 110–118 day maturity from plant, fruit quality is excellent for processing; firm rounds are used for paste, whole processing, and diced products. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, nematodes.


**Yello Stuffer.**—Breeder and vendor: Petoseed. Characteristics: indeterminate, 76 day maturity, stake, bush, home garden. Unique pepper shape with large open locules, ribbed, green shoulder, fruit 4 oz or 115 g. 1990.

**Yuba (FM 48432).**—Breeder and vendor: Ferry-Morse. Characteristics: medium determinate vine, medium sized, square round, red fruit excellent for whole peel use. Resistance: verticillium wilt race 1, fusarium wilt race 1, nematodes. 1990.

**TURNIP**

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**All Top.**—Breeder: Sakata. Characteristics: F1 hybrid, for foliage crop, multiple harvests possible, vigorous top growth.

**De Milan.**—Characteristics: deep rose colored shoulders and white bottoms, early maturity.

**Fortress.**—Breeder: Univ. of Arkansas. Characteristics: for greens production, tolerance to white spot and bolting, deep color, leaves have short petioles, fully upright habit, excellent field holding ability.

**Hakurei.**—Characteristics: white salad turnip, flat-round smooth white roots, early-maturing, good flavor.
Just Right.—Characteristics: large white globe, cold tolerant, best for fall and winter crops, root and leaf crop.

Market Express.—Breeder: Sakata. Characteristics: F₁ hybrid, small pure white root, globe shape, mild and sweet, very early maturity, multipurpose turnip.


Purple Top White Globe.—Characteristics: round smooth root with bright purple crown, mild flavor, sweet, widely grown, open pollinated cultivar.

Royal Crest.—Characteristics: F₁ hybrid, second generation Purple Top White Globe type, taller and deeper green tops than Purple Top White Globe and Royal Crown, intense purple coloration on crown, high yield.


Sakata Foliage.—Breeder: Sakata. Characteristics: open pollinated, large root, used as a foliage crop.


Seven Top.—Characteristics: for greens, very dark green, flesh not edible, stock feed.

Shogoin.—Characteristics: open pollinated, for foliage crop, roots white and flattened on top, tender and mild tasting leaves.

Spring Cutie.—Breeder: Sakata. Characteristics: slow bolting, small size, leaves have thick petioles, semi globe shape, can overwinter in the field at temperatures of -3°C and above.

Tokyo Cross.—Characteristics: F₁ hybrid, very early, white globe shape.


Topper.—Characteristics: Hybrid Seven Top type with aphid and downy mildew resistance, leaves are nonpubescent, good cold tolerance, dark color. Resistance: aphids, downy mildew, tolerance to cold.

Tornado (Forage Star).—Breeder: Sakata. Characteristics: F₁ hybrid, for foliage crop, thick fleshecd leaves, deep green, tops usable in 60°. Resistance: tolerance to cold and downy mildew. Similar: Seven Top, with broader leaves.


White Egg.—Characteristics: egg shape, white with green-white tinted crown, crisp sweet flesh.


White Lady.—Breeder: Sakata. Characteristics: F₁ hybrid, medium size root, good bolting tolerance and heat tolerance, erect habit, tender leaves, pure white skinned roots.

Yorii Spring.—Characteristics: early maturing, all white, sweet.

WATERMELON

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Alena.—Breeder: Newe Yaar Expt. Station, Haifa, Israel. Tetraploid. Parentage: Developed by colchicine treatment of Sugar Baby seedlings. Characteristics: has classic polyploid features such as broader and thicker leaves, less branching, and slower growth than diploids, seed number per fruit is ≈70 compared with 500–1000 in diploid Sugar Baby, flesh is darker red and firmer than that in Sugar Baby. 1981.


AU-Sweet Scarlet (AW-82-50CS).—Breeder: Alabama Agr. Exp. Station, Auburn Univ. Vendor: Hollar and Co. Parentage: Crimson Sweet x PI 189225, Allsweet, PI 362515, Calhoun Sweet and Wilt Resistant Peacock. Characteristics: fruit are round to oblong in shape and similar in rind color to AU-Producer and weigh 4–6.5 kg, flesh is bright red and firm. Resistance: fusarium wilt races 0 and 1, anthracnose race 2, gummy stem blight. 1995.


Carnival (RX6118).—Breeder and vendor: Rogers. Characteristics: F₁ hybrid, fruit have a blocky shape with Crimson Sweet rind color and weigh 22–26 lb, flesh is bright red and has 12–13% soluble solids and matures early. Resistance: fusarium wilt race 1, anthracnose race 1. Similar: Regency and Royal Sweet. 1995.

Charlee (F83CE).—Breeder: Central Florida Research and Education Center, Univ. of Florida, Leesburg. Vendor: Petoseed Co. Parentage: Texas W5, Charleston Gray, and Calhoun Gray. Characteristics: plants are vigorous and fruit ripen early-midseason, fruit is similar in shape, appearance, and weight to Charleston Gray, flesh texture and flavor is better than that of Charleston Gray, Jubilee, and Crimson Sweet. Resistance: fusarium wilt races 0 and 1, anthracnose race 1. PVP. 1990.


Crisby (Num 1839).—Breeder and vendor: Canners. Characteristics: very early Crimson Sweet type, round-oval shape, fruit weigh 7–9 kg and have red flesh and small brown seeds. 1989.

Dixilee (Florida 75-1).—Breeder: Agr. Research Center, Univ. of Florida, Leesburg. Parentage: Texas W5, Wilt Resistant Peacock, Fairfax, Summit, and Graybelle. Characteristics: round fruit with...
Jubilee stripes that weigh 18–22 lb, flesh is firm and a very deep red color, flesh quality is excellent. Resistance: fusarium wilt race 1, anthracnose race 1. 1979.

Dokodoko.—Breeder and vendor: Dept. of Hort., Univ. of Science and Tech., Kumasi, Ghana. Parentage: selection of F₁ hybrid Top Yield. Characteristics: fruit resembles Charleston Gray but is longer and lighter green, flesh is crisp and red with very small brown seeds, relatively thick rind makes for better shipping than Sugar Baby. 1978.


Honey Red (NXC 1539).—Breeder and vendor: Moran. Characteristics: Sugar Baby type with both larger vine and fruit, flesh color is a darker red than Sugar Baby, fruit weigh 9–11 lb, have a tough rind. Resistance: fusarium wilt. Similar: Sugar Baby. 1983.


Jubilation (NVH 4258).—Breeder and vendor: Norfrup, King and Co. Characteristics: F₁ hybrid, Jubilee type melon, shape is shorter and more blocky than Jubilee, flesh is medium bright red with excellent sweet flavor, very high yielding vigorous vine that holds up well, 84 day maturity. Resistance: fusarium wilt and anthracnose race 1. Similar: Jubilee and Royal Jubilee. 1987.


Louisiana Queen.—Breeder: North Louisiana Experiment Station, Calhoun. Parentage: Summit x Fairfax. Characteristics: fruit similar in appearance to Dixie Queen and matures early, rind is tough and suitable for shipping, flesh is bright red, firm, crisp and sweet, fruit weight ≥20 lb. Resistance: fusarium wilt race 1. 1971.


Petite Sweet (Kansas 68–20).—Breeder: Dept. of Hort. and Forestry, Kansas State Univ., Manhattan. Parentage: Crimson Sweet and New Hampshire Midget. Characteristics: rind pattern similar to Crimson Sweet; fruit shape is blocky round, fruit weight 5–10 lb, the flesh color is bright pinkish red and seeds are few and small. Resistance: fusarium wilt, anthracnose races 1 and 3. 1971.


Rebel Queen (FMX 4).—Breeder: H. Sakamoto. Vendor: Ferry-Morse Seed Co. Characteristics: high yields with good, vigorous vines, rind is gray-green with narrow black-green stripes, flesh is reddish pink and firm, a high quality shipping type melon. Similar: Crimson Sweet and Jubilee. 1982.


Samos.—Breeder and vendor: Nunhems. Characteristics: medium early, large, oval fruit with dark green rind color, fruit weigh 11–13 kg, handles well and has tasty fruit with small seeds, solid, sweet flesh. 1991.


Smoklee (D7-4 and F68-1).—Breeder: Agr. Research Center, Univ. of Florida, Leesburg. Parentage: Texas W5 x Charleston Gray. Characteristics: elongated, dark green fruit with distinctly outlined leaf patterns of lighter green color which give it a smoky appearance, fruit weigh 22–26 lb and have a very fine quality pink red flesh. Resistance: fusarium wilt race 1, anthracnose race 1. 1971.


Super Sweet (Kansas 68-12).—Breeder: Dept. of Hort. and Forestry, Kansas State Univ., Manhattan. Parentage: Miles, Peacock and Charleston Gray. Characteristics: external rind color is similar to Crimson Sweet but fruit are more spherical and are slightly grooved, fruit weigh 10–18 lb, mature 5–10 days later than Crimson Sweet, and have a tough rind and firm, pinkish red flesh. Resistance: fusarium wilt, anthracnose races 1 and 3. 1971.

Tiffany (XPH 9039).—Breeder and vendor: Asgrow. Characteristics: triploid seedless hybrid, round, striped fruit weigh as much as 20 lb, flesh color is uniform red and solid. Similar: small Crimson Sweet. 1990.
