Vegetable Cultivar Descriptions for North America

List 26

2002

Edited by Todd C. Wehner
Department of Horticultural Science, North Carolina State University, Raleigh, NC 27695-7609

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.


AMARANTH—VEGETABLE (TAMPALA)

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


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


**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.


**Edsbest I**—Breeder: Edward L. Nigh, Jr. Vendor: Arizona Ag Con. Parentage: four-way cross UC 157 F1 male (AZ 75-C) + Wash500 (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 157F1 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’ Alibraga (cultivar from Alibraga, 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.


**AC Burrito (HR61-1608)**—Breeder: Agri 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 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.


**Arroyo Loro Negro (MSU-N-4-11)**—Breeder: CIAS, Ministry of Agriculture, Dominican Republic, University of Nebraska and Uni-
type. Resistance: BGMV in trials in PR, DR, and Haiti; resistant to common blight and rust and BCMV (I gene), 1999.


**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.


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


**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 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. PVP 7300023.

**Blue Lake GV 2**—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.


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

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


**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 9900104.


**Calgreen**—Breeder and vendor: Novartis Seeds, Inc. Characteristics: 60 days, Greencrop type with 16 cm flat green pods on large upright bush. PVP 9900106.

**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.


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ASTA Cultivar Listing. PVP 9900043.


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


Early Sunray—Breeder and vendor: Bakker Brothers of Idaho, Inc. PVP 8800006.


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


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


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.

Flavole (77-8.8170) —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.


Flevoro—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.


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

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

GalaStop—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.


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.


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


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


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 leafted, 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 leafted, 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-
VEGETABLE CULTIVAR LIST


2. **Asgrow.** Characteristics: Round, green bush bean for processing, large pods, slow seed development, dark green color after blanching. Resistance: BCMV (I), halo blight, anthracnose.


4. **Braeburn.** Breeder and vendor: Harris Moran Seed Co. Parentage: Amber / Hillcrest. Characteristics: 55 days, medium green 12.7 cm long, round, green pods; white seeded bush bean, good yielding, processing type. Resistance: BCMV NY race 15, pod mottle, some races of rust. PVP 7100033.

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


7. **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.

8. **Saratoga.** Breeder and vendor: Seminis Vegetable Seeds. PVP 9800016.

9. **Saurus.** Breeder and vendor: Nunza B.V. PVP 9600185.


11. **Score.** Breeder and vendor: Harris Moran Seed Co. Parentage: Piker/Slimgreen. PVP 7900039.


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

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

16. **Skil.** Breeder and vendor: Royal Sluis B.V. Characteristics: 75 days; 30–50 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 7700601.

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

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

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

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


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


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

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


**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.


**Tenderax**—Breeder and vendor: Charter Seed Co. PVP 7100068.

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


**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.

**Val'dor**—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.


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


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

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CABBAGE

Phillip Griffiths
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New York Agricultural Experiment Station
Geneva, NY 14456


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. Characteristic:


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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 freezing, 2000.


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 heads; best harvest during summer and fall. 1968.


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.


**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.


**Coleguard (HMX5252)**—Vendor: Harris Moran. Characteristics: unique red Savoy F1 hybrid with sweet flavor, excellent wrapper; turns blue-purple when cooked. Resistance: tipburn tolerant.


**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.


**Fastball**—Vendor: Burpee Seed.


**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.


**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.


**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.
**CABBAGE—CHINESE**

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Geneva, NY 14456

**Akala**—Breeder and vendor: Enza Zaden.


**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.


**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 Komatsuwa (Japanese spinach); moderately sweet like cabbage. Adaptation: U.S. 2001.

### CARROT

**Phillipp W. Simon**
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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.  
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/shopper. 2001.  
Prelude (PS38891)—Breeder: R. Maxwell. Vendor: Seminis/
**Root Crops**


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


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**CAULIFLOWER**

**Mark W. Farnham**

USDAARS Vegetable Laboratory

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Charleston, SC 29414


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


**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.


### CELERY

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**Department of Vegetable Crops**

**University of California**

**Davis, CA 95616**


### COLLARD

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**USDA/ARS Vegetable Laboratory**

**2875 Savannah Highway**

**Charleston, SC 29414**


**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.


### CUCUMBER

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**North Carolina State University**

**Raleigh, NC 27695-7609**


**Bugr** **(PS 72595)**—Breeder: Wei Ouyang. Vendor: Seminis...
**VEGETABLE CULTIVAR LIST**

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**JU2**

**Double Feature**

**EDYP F1**

**English Telegraph**

**Fiecha (XPH 1705)**

**Flamingo**

**Heinz Pickling**

**Humocaro (23673)**

**Independence (12702)**

**Indio (PS 155595)**

**Intimidator (XP 3501217)**

**Jazzer**

**Lucia (NC-46)**

**Maverick (PS 31195)**

**Millenium Green (PS 64687)**

**Mocetuma (PS 102095)**

**Odeon (PS 29900)**

**Palomino (EX 1911)**

**Picklet (XVC 8406)**

**Pony (XP 1903)**

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**Hurepeana Burpee**—Breeder and vendor: W. Atlee Burpee and Co.


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

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


Yellow Submarine (PS 23926)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: open pollinated. Characteristics: elongate-oval, white fruit, 1.5 inch, matures rose light rose/white stripes and pure white fruit; green calyx, very tender, great taste. Similar: Ghostbuster.


EGGPLANT

Mark G. Hutton
Sakata Seed America
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Lehigh, FL 33970-1118

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.

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


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.


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 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.

Blacknike—Characteristics: oval purple 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.


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.


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**VEGETABLE CULTIVAR LIST**

<table>
<thead>
<tr>
<th>Cultivar</th>
<th>Breeder and Vendor</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Comprido Verde Claro</strong></td>
<td>Vendor: Johnny’s</td>
<td>oval shape 3–4 inch long, slightly ribbed, shiny lime green turning orange at seed maturity, green calyx, tall plant.</td>
</tr>
<tr>
<td><strong>Crescent Moon</strong></td>
<td>Breeder and vendor: W. Atlee Burpee and Co. 2000</td>
<td>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.</td>
</tr>
<tr>
<td><strong>Dobrix</strong></td>
<td>Breeder and vendor: DeRuiter</td>
<td>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.</td>
</tr>
<tr>
<td><strong>Fond Moon</strong></td>
<td>Breeder and vendor: Known-You Seed. Characteristics: oval shape 6–7 inch long, white color fruit, sweet flavor, broad semi-upright plant. Similar: Casper, Cloud Nine.</td>
<td></td>
</tr>
<tr>
<td><strong>Italian Pink Bicolor</strong></td>
<td>Vendor: Stokes. Characteristics: open pollinated cultivar, oval fruit, approximately 8 inch diameter, cream/rose color, mature fruit color is rose pink, purple calyx.</td>
<td></td>
</tr>
<tr>
<td><strong>Kermit</strong></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td><strong>Little Fingers</strong></td>
<td>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.</td>
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<tr>
<td><strong>Louisiana Long Green</strong></td>
<td>Vendor: Johnny’s. Characteristics: open pollinated heirloom cultivar, long slender about 9 inch, glossy light green, tender and mild.</td>
<td></td>
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<tr>
<td><strong>Machiain</strong></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td><strong>Megali</strong></td>
<td>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.</td>
<td></td>
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<tr>
<td><strong>Milionaire</strong></td>
<td>Breeder and vendor: Takii. Characteristics: slender, oriental type, dark purple fruit color, purple calyx, early maturing.</td>
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<tr>
<td><strong>Money Maker No. 2</strong></td>
<td>Breeder and vendor: Takii. Characteristics: small teardrop cylindrical egg shape fruit, glossy black with purple calyx, productive and extra early, good for greenhouse and open field.</td>
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<tr>
<td><strong>Nadia</strong></td>
<td>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.</td>
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<tr>
<td><strong>Neon</strong></td>
<td>Breeder and vendor: Shamrock. Characteristics: teardrop 3 × 8 inch, rose pink color fruit, unique fruit color.</td>
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<tr>
<td><strong>No. 226</strong></td>
<td>Characteristics: round 3 inch diameter fruit, dark purple, glossy and smooth; short plants.</td>
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<tr>
<td><strong>Orient Charm</strong></td>
<td>Breeder: 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.</td>
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<tr>
<td><strong>Prelane</strong></td>
<td>Breeder and vendor: Vilmorin. Characteristics: cylindrical fruit, 8–9 inch long, glossy dark skin, very consistent in size. Adaptation: wide.</td>
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<tr>
<td><strong>Shoya Long</strong></td>
<td>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.</td>
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<tr>
<td><strong>Slim Purple</strong></td>
<td>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.</td>
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<tr>
<td><strong>Snowy</strong></td>
<td>Breeder: Johnny’s. Characteristics: tear drop cylindrical 7 × 2.5 inch, white skinned fruit, early maturing, upright plant, well adapted, specialty and roadside markets.</td>
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<tr>
<td><strong>Special Highbush</strong></td>
<td>Breeder: several. Characteristics: open pollinated cultivar, elongate teardrop shape, intensely colored black fruit, tall upright plant.</td>
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<tr>
<td><strong>Tango</strong></td>
<td>Breeder and vendor: DeRuiter. Characteristics: cylindrical fruit 7 × 2 inch, white fruit, good yields, and strong plant. Similar: Casper, Ghostbuster.</td>
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<tr>
<td><strong>Tania</strong></td>
<td>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.</td>
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<tr>
<td><strong>Vista</strong></td>
<td>Breeder and vendor: Sakata. Characteristics: cylindrical, deep purple-black fruit, early maturing, large vigorous plant, very productive.</td>
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Zebra—Characteristics: elongated oval, purple with white stripes, very attractive with good flavor.

ENDIVE
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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; resistant to bolting.


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.


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.


La Brillance—Breeder: Cook’s Garden. Characteristics: combines shiny leaf of a crisphead type with butterhead tenderness; deliberately toothed, vibrant green leaves; Batavia type. 1936.


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.


Nancy—Breeder: unknown. Vendor: Seedway, Inc. Characteristics: 48 days to maturity, medium to large, head, leaf, and stem; compact, good weight, smooth, rounded leaves, medium green color, excellent quality and texture and clean underside.


New Red Fire—Characteristics: 48 days to maturity, medium to large head, leaf, and stem; compact, good weight, smooth, rounded leaves, medium green color, excellent quality and texture and clean underside.
### VEGETABLE CULTIVAR LIST

**Belgian (witloof chicory)**

<table>
<thead>
<tr>
<th>Breeder</th>
<th>Vendor</th>
<th>Characteristics</th>
<th>Adaptation</th>
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<tr>
<td>Edward J. Ryder</td>
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<td>Salinas, CA 93905</td>
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</table>


**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**
Deena Decker-Walters
The Cucurbit Network
P.O. Box 560483
Miami, FL 33256


**GOURD—CUCURBITA**
Deena Decker-Walters
The Cucurbit Network
P.O. Box 560483
Miami, FL 33256

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.

**GOURD—LAGENARIA**
Deena Decker-Walters
The Cucurbit Network
P.O. Box 560483
Miami, FL 33256

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.
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.

**GOURD—LUFFA SPONGE**
Todd C. Wehner and Tammy L. Ellington
Department of Horticultural Science
North Carolina State University
Raleigh, NC 27695-7609


**HERBS—PARSLEY**
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Fletcher, NC 28732

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.


Cortis—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.


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


Gigante Catalogno—Vendor: Johnny’s. Characteristics: large flat leaves, 2.0–2.5” long; good taste; plain-leaf 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.


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.


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.


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.


KALE

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USDA/ARS Vegetable Laboratory
2875 Savannah Highway
Charleston, SC 29414

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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University of Wisconsin
Madison, WI 53706


LETTUCE

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


Conquistador (PX 0136)—Breeder: Doug Sousa. Vendor: Seminis Vegetable Seeds-Petoseed. Characteristics: dark green Romaine; very uniform maturing, well suited for winter harvest, for fresh pack and
**Vegetable Cultivar List**


**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 inches across; heads all summer, crisp and delicious, never gets rubbery or bitter. Resistance: tipburn and brown rib. 1969.


**Focus**—Breeder and vendor: Enza Zaden. 1999.

**Fresh/Heart (BOS 9021)**—Breeder and vendor: Orsetti Seed Co. Parentage: open pollinated. 1999.


La Brillante—Breeder: Cook’s Garden. Characteristics: combines shiny leaf of 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


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 leaf. 1991


Marin (BOS 9041)—Breeder: 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. 1991


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.


North Pole—Breeder: 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


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


Piplant—Breeder and vendor: Orosi Seed Co. Parentage: open pollinated.


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 Sails—Breeder and vendor: Seminis Vegetable Seeds-
**VEGETABLE CULTIVAR LIST**


Gal—Breeder and vendor: Pioneer.

Gal On My Heart—Breeder and vendor: Pioneer.


Hercules (KXPM-179)—Breeder: Krystyna Markiewicz-Ladd, Polonica International. Vendor: Champion Seed Co. Parentage: F1 hybrid. Characteristics: large, well netted western-shipper canta-loupe; dark orange and firm flesh with high solids; produces very vigorous and dark green vines; excellent shipper; monoeocious. 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.


MELOC

James D. McCreight
USDA/ARS
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**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 melon areas where viruses are a problem and where size is needed.


**My Gal**—Breeder and vendor: Pioneer.


**Regal**—Breeder and vendor: Pioneer.


**Spanish Moon**—Breeder and vendor: W. Atlee Burpee.

**Sun Jewel**—Breeder and vendor: Johnny Selected Seeds. 2000.

**Sunny Gal**—Breeder and vendor: Pioneer.


**Sweet Barcelona**—Breeder and vendor: W. Atlee Burpee and Co. 2000.


**Sweet Tubby**—Breeder and vendor: W. Atlee Burpee and Co. Parentage: F1 hybrid.

**Sweetol Gal**—Breeder and vendor: Pioneer.


**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: California, southeast U.S., Far East. 1999.


**Barletta**—Vendor: Vilmorin. 1952.


Flatare (PS 11892)—Breeder and vendor: Seminis-Petoseed. Parentage:F1 hybrid.


**Suntan** — Breeder and vendor: Bejo. 1989.


**Sweet and Early** — Breeder and vendor: Burpee. Characteristics: mid day hybrid.


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 9800037.

Bantam—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 9800037.

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 89000223.

Booster—Breeder and vendor: Nunhems Seed Corp. PVP 89000224.

Bounty—Breeder and vendor: Novartis Seeds, Inc. PVP 8500192.

Brule—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 9800055.


Caseolode—Breeder and vendor: W. Brotherton Seed Co., Inc. PVP 7600002.

Chari—Breeder and vendor: A.G. Gustafson, Seedsman. PVP 7900116.

Caspass—Breeder and vendor: Seminis Vegetable Seeds. PVP 9400006.

Colworth Swan—Breeder and vendor: Unilever, Ltd., U.K. PVP 7200003.

Conner—Breeder and vendor: A.G. Gustafson, Seedsman. PVP 7500039.

Conway—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 7400020.


Dane—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 7500008.

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.


Early Freezer 680—Breeder and vendor: Novartis Seeds, Inc. PVP 81000109.

Early Sweet 9—Breeder and vendor: Novartis Seeds, Inc. PVP 81000110.


Edison—Breeder and vendor: A.G. Gustafson, Seedsman. PVP 75000037.

Ego—Breeder and vendor: Novartis Seeds, Inc. PVP 8500190.


Everett—Breeder and vendor: Novartis Seeds, Inc. PVP 8800106.

Faro—Breeder and vendor: Seminis Vegetable Seeds. PVP 7700070.

Finess—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 200000053.


Genie—Breeder and vendor: Novartis Seeds, Inc. PVP 8800089.

Gentry—Breeder and vendor: Stubbs Seed Services, Inc. PVP 7200141.


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.

HP904-1204 FP2070—Breeder and vendor: Novartis Seeds, Inc. PVP 9900340.

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.


Karl-Evert—Breeder and vendor: NESTEC S.A. PVP 9000199 (8/31/94).


Kodiak—Breeder and vendor: Pure Line Seeds, Inc. PVP 7700023 (6/7/94).


Lance—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 7900011 (3/29/96).


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).

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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.


Menlo—Breeder and vendor: W. Brotherton Seed Co. PVP 8700099.

Methow—Breeder and vendor: Centis-Moscow Growers, Inc. PVP 9500021.

MF-502—Breeder and vendor: L.D. Maffei Seed Co. PVP 84000087.

Misty—Breeder and vendor: Pure Line Seeds, Inc. PVP 8400031.


Multilift—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 7900054 (ineligible).


Nordic—Breeder and vendor: Novartis Seeds, Inc. PVP 8900107 7/31/91.

Orcas—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 8100047.


Paso—Breeder and vendor: Seminis Vegetable Seeds. PVP 9900147.

Passport—Breeder and vendor: Novartis Seeds, Inc. PVP4900005.


Prairie—Breeder and vendor: Nunheems 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.


Quadrant—Breeder and vendor: Centis-Moscow Growers, Inc. PVP 9100011.

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.

Recl—Breeder and vendor: Pure Line Seeds, Inc. PVP 9900269.

Regal 36—Breeder and vendor: Centis-Moscow Growers, Inc. PVP 8000003.

Reva—Breeder and vendor: Seminis Vegetable Seeds PVP7700071.

Ripon—Breeder and vendor: Novartis Seeds, Inc. PVP 9800170.

Sagitarius—Breeder and vendor: Morrison Brothers Seed Co. PVP 7600026.

Samish—Breeder and vendor: Centis-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.

Sontry—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.


SP6—Breeder and vendor: Novartis Seeds, Inc. PVP 9600264.

SP18—Breeder and vendor: Novartis Seeds, Inc. PVP 9600263.


SP363-1-1-5-1—Breeder and vendor: Novartis Seeds, Inc. PVP 9400054.

SP496-1-2-3—Breeder and vendor: Novartis Seeds, Inc. PVP 97000412.


SP704-3-8—Breeder and vendor: Novartis Seeds, Inc. PVP 9400056.


Span—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 8300177.

Spirit—Breeder and vendor: Crites-Moscow Growers, Inc. 7605008.

Springreen—Breeder and vendor: Novartis Seeds, Inc. PVP 9500016.


Sugar Daddy (SP110-1-2, Sugar Gem in Europe)—Breeder and

Sugar Gem—see Sugar Daddy.


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 Stick—Breeder and vendor: Deer Seed Co. Characteristics: long, curved pods; stringy. 1935.


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 9800065.


Super SugarMel—Breeder and vendor: Novartis Seeds, Inc. PVP 8300165.

Sussex—Breeder and vendor: W. Brotherton Seed Company, Inc. PVP 7800038.


Sweet Royal—Breeder and vendor: Burpee.


Swinger—Breeder and vendor: Crites-Moscow Growers, Inc. PVP 7500044.

Tahoe—Breeder and vendor: Pure Line Seeds, Inc. PVP 7900009.


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.


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).


XP 357—Breeder and vendor: Seminis Vegetable Seeds. PVP 9900160.


XP F374—Breeder and vendor: Seminis Vegetable Seeds. PVP 9700195.

PEPPER

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Aconcagua—Characteristics: Cubanelle-shaped, but much larger fruit; long fying 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.


Ají (V600)—Breeder: Plants of the Southwest. Characteristics: thin, 80—127 mm long, orange turning to red pods, fruity taste, very hot. 2000.


Alberto—Breeder: DeRuiter Seeds. Characteristics: blocky, green ripening to red bell pepper, large fruit size, vigorous open plant habit, easy setting under high temperatures. Resistance: dip. Adaptation:


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, 90 mm 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.


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.


Berbere — Vendor: Floating Mountain Seeds. Characteristics: a landscape type introduced from Ethiopia, fruit are 152 to 202 mm in size that turn a bright red when ripe, matures in 80 days. 1991.


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, 300 to 600 mm high, 75 days. Resistance: tobacco mosaic virus. 1997.


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.


Biker Billy Hybrid — Vendor: W. Atlee Burpee. Parentage: F1 hybrid. Characteristics: jalaño, 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
### VEGETABLE CULTIVAR LIST

<table>
<thead>
<tr>
<th>Name</th>
<th>Parentage</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blackbird</td>
<td>Vendor: Stokes Seed Co. Parentage: F1 hybrid.</td>
<td>Characteristic: bell pepper, 90 × 95 mm fruit size, ripens green to brown to black to dark red, 73 days. 1997.</td>
</tr>
<tr>
<td>Blockbuster</td>
<td>Vendor: Stokes Seed Co. Parentage: F1 hybrid.</td>
<td>Characteristic: 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.</td>
</tr>
<tr>
<td>Blue Jay</td>
<td>Vendor: Stokes Seed Co. Parentage: F1 hybrid.</td>
<td>Characteristics: very productive, blocky bell pepper, 110 × 100 mm fruit size, ripens green to lilac/grape to pale orange to dark orange, 73 days. 1997.</td>
</tr>
<tr>
<td>Blue Star</td>
<td>Vendor: Known-You Seed Co. Parentage: F1 hybrid.</td>
<td>Characteristics: large fructified 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.</td>
</tr>
<tr>
<td>Blushing Beauty</td>
<td>Vendor: Seminis Vegetable Seeds-Petoseed. Parentage: F1 hybrid.</td>
<td>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. Tobacco mosaic virus race. 1997.</td>
</tr>
<tr>
<td>Bolivian Rainbow</td>
<td>Vendor: Southern Sun Seeds.</td>
<td>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.</td>
</tr>
<tr>
<td>Bulgarian Green (Shikari)</td>
<td>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.</td>
<td></td>
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<tr>
<td>Caldero</td>
<td>Breeder and vendor: Orsetti Seed Company, Inc. Parentage: F1 hybrid.</td>
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<tr>
<td>California Wonder</td>
<td>Breeder: Burpee’s California Wonder.</td>
<td>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.</td>
</tr>
<tr>
<td>California Wonder 300 TMR</td>
<td>Vendor: Carolina Seeds.</td>
<td>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.</td>
</tr>
<tr>
<td>Calurosa</td>
<td>Breeder and vendor: Orsetti Seed Company, Inc. Parentage: F1 hybrid.</td>
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<tr>
<td>Canadana Cheese</td>
<td>Vendor: Shepherd’s Garden Seeds. Characteristic: 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. 1999.</td>
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<tr>
<td>Canape</td>
<td>Vendor: Thompson and Morgan and Harris Seeds. Parentage: F1 hybrid.</td>
<td>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.</td>
</tr>
<tr>
<td>Caribbean Red</td>
<td>Breeder: 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.</td>
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<tr>
<td>Cascabella</td>
<td>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.</td>
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</tr>
<tr>
<td>Cayenne, Large Red Ceyanne</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Cayenne, Long Slim</td>
<td>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.</td>
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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 jalapenos. 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.


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. 1990.


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 ripening to either deep red or bright yellow, in 80 days, plants are large and very productive. 2000.


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, 2000.

Czechoslovakian—Vendor: Shepherd’s Garden Seeds. Characteristics: fruit ripen gradually from midnight purple color, to very bright red, medium-hot, jalapeno-shaped, plants are stalky, 500 mm high and wide, mainly used as an ornamental. 2000.

Damax—Vendor: Duenefeldt Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, dark green to red fruit, 110 × 100 mm fruit size, 4-loshed, thick walls, 71 days maturity from transplant, plant frame has medium strength, determinate growth. Resistance: tobacco mosaic virus. Similar: Calwonder, 1994.


Diablo Grande—Vendor: Stokes Seed Co. Characteristics: Hungarian yellow wax type, very pungent, tapered, light green ripes to red, 170 mm long fruit, 65 days. 1997.


Dolma Giant—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: blocky bell pepper, pendant fruit, early maturity, tolerant to low temperature, 3- to 4-loshed, light green ripening to red, 85 × 65 mm fruit size. 1996.

Dove—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Character-
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**Early Niagara Giant**—Vendor: Stokes Seed Co. Parentage: general purpose bell pepper, dark green ripening to red, 110 mm square, thick-walled, maturing in 65 days. 1997.


**Elisa**—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: extra large, deep bell pepper, thick-walled, 3- to 4-lobe, 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.


**Fajita Bell Hybrid**—Vendor: Park Seed Co and Nichols Garden Nursery. Characteristics: F1 hybrid, bell pepper, mildly pungent, good flavor, 68 days to green, 90 days to 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: 2000.


**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.


**Golden Arrow**—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: early variety 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: blocky bell pepper, 4-lobed, 120 mm square fruit, 72 days, ripens light green to creamy yellow/pale lemon to red. 1997.

**Golden 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 Tower**—Vendor: Hungnong Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, lime green ripening to golden yellow, 4-lobed, sweet, good foliage cover, 65 days. 1997.

**Golden Heirloom**—Vendor: Vilmorin Seed Co. Parentage: F1 hybrid. Characteristics: Italian sweet pepper type, blocky, deep green ripening to red, 72 days. 1997.

**Golden Summer Hybrid**—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.

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hybrid. Characteristics: standard Korean hot type, pendant fruit, vigorous, pungent, green ripening to red, 115 × 18 mm fruit size. 1996.


**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.


**Hercules**—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: large green ripening to red bell pepper, thick-walled, 200 × 90 mm fruit size, 72 days. 1997.

**Hero**—Vendor: Thompson and Morgan. Parentage: F1 hybrid. Characteristics: Asian hot type, very pungent, thick-walled, 150 mm long, smooth, thin, fleshed fruit, green ripening to 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 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.
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**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.


**Ivory Banana**—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: yellow wax type pepper, pendant fruit, thick-walled, 230 x 60 mm fruit size, butter-yellow ripens to red, 56 days, 1997.

**Jackpot Hybrid**—Vendor: Park Seed. Characteristics: fruit 200 x 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 Burket. Vendor: Petoseed Co. Parentage: F1 hybrid. Characteristics: jalapeño, medium pungency, early production, matures in 65 days, medium plant size with good concentration. In set, fruit are 64 x 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 that habanero, bright-orange fruit, plants are 762 mm tall. 2000.

**Jumbo Sweet**—Vendor: Thompson and Morgan. Parentage: F1 hybrid. Characteristics: bell pepper, 150 x 100 mm size fruit, vigorous, early, sweet, small central core, upright plant habit, thick-walled, 3 to 4-lobated, green ripens to red, sweet, 72 days, 1993.

**Kalosca Sweet 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 x 130 mm. 1999.


**Key Largo**—Vendor: Harris Seeds. Parentage: F1 hybrid. Characteristics: cunabellle 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.


**Kongla Bell**—Vendor: Stokes Seed Co. Parentage: F1 hybrid. Characteristics: giant bell pepper, ripens dark to green to golden yellow to orange, thick-walled, 110 x 110 mm fruit size, 72 days. 1997.


**La Bamba**—Vendor: Harris Seeds. Parentage: F1 hybrid. Characteristics: green to red elongated fruit, 130 x 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 x 60 mm, tapered pendant fruit, slightly wrinkled, dark green ripens red, 72 days. 1997.


**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.


**Little Dipper Hybrid**—Vendor: W. Atlee Burpee. Characteristics: miniature bell pepper, 50 x 40 mm, green to red fruit, 650 mm tall plants, 66 days. Resistance: tobacco mosaic virus. 1997.


**Long Chili**—Vendor: Known-You Seeds. Characteristics: plants are erect, rather tall, and very vigorous, fruit are long and slim, 180 x 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 x 18 mm fruit size. 1996.


**Malan**—Vendor: Daehnfeldt Seed Co. Parentage: F1 hybrid. Characteristics: bell pepper, dark green to red fruit, 115 x 100 mm fruit size, 3- to 4-lobes, thick walls, plants are medium strong and determinate, 71 days. Resistance: tobacco mosaic virus race. Similar: Califonia Wonder. 1994.


**Maseno**—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,
vigorouse medium size plant, large to extra deep, with slight taper. Resistance: bacterial leaf spot 1, 2, and 3. Adaptation: Mexico.

Marato—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.


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.


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. 11 days. Resistance: tobacco mosaic virus race. Similar: Bell Tower. 1997.


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.


Mucho Nacho Hybrid—Vendor: Burpee. Parentage: F1 hybrid. Characteristics: jalapeno 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.


Park’s Early Thickest 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 Sweet Banana Whopper Improved Hybrid—Vendor: Park Seed. Characteristics: banana type, 65 days to harvest, vigorous plants, huge thick-walled fruit. 1999.


**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.


**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.


**Pusa Ivala**—Vendor: Daenfeldt 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.


**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.


**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: bell pepper, thick walls, green ripening to red, 3- to 4-lobed, 100 × 90 mm fruit size, 66 days. 1997.

**Red Darn**—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 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 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.


**Ring of Fire**—Vendor: Stokes Seed Co. Parentage: open pollinated. Characteristics: pencil thin cayenne pepper type, 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.


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.


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.


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.


Sizzler—Vendor: Harris Seeds. Parentage: F1 hybrid. Characteristics: hot Portugal type, great appearance and yield, larger 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 Line—Vendor: Hunglong Seed Co. Parentage: F1 hybrid. Characteristics: fasciculated upright fruit setting, early, high pungency, green ripening to red, 75 × 12 mm fruit size. 1996.


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.


Sophie 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, 130 × 50 mm fruit size, green ripening to red, tapered, pointed tip, excellent fruit setting in the winter, 200 mm long. 1997.


Sunny Star—Vendor: Known-You Seed Co. Parentage: F1 hybrid. Characteristics: improved Ruby King, long, slim fruited bell
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**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.

**Super Greigo 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 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 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: Greyo. 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 Sweet**—Vendor: Stokes Seed Co. Parentage: open pollinated. Characteristics: bell pepper, early, green ripening to red, 64 days, 90 mm long fruit. 1997.

**Super Sweet Chili**—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.


**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 a 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.

green leaves, with upright fruit, that mature from white to red. Seed Catalog. 1987.


**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.


**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.


**X38 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, large 3- to 4-lobed, 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.


**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.


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.


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; 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 #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 0 min planting. 85 days. 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.


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.


**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.


**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.


### RADISH

**Al Burkett and Jewel Yates**

Seminis Vegetable Seeds

37437 State Highway 16

Woodland, CA 95695

**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.


**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.


**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 longkeeping tops for bunching. Resistance: strong resistance to splitting, 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 (SRA 4504)**—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.

**Everest**—Breeder and Vendor: Takii. Characteristics: tropical Chinese radish, early white neck type, late pithiness, high yielder, 55 day maturity, 35 cm long x 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.

**Flamivill’s**—Vendor: Various. Characteristics: predecessor of Fluor, French breakfast type; exhibits OP characteristics; cylindrical, 3” long, brilliant red with a frosty white tip; juicy, crisp, sweet, heirloom; 25 day maturity.


**French Breakfast**—Vendor: various. Characteristics: blunt oblong, 1 1/2 x 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.


**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.


**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.
VEGETABLE CULTIVAR LIST


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.


Misato Red—Breeder and vendor: Sakata Seed America. Characteristics: Chinese type, long, red tapered roots, tall tops, 28 days.

Misato Rose—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.

Red Meat—Breeder and vendor: Takii. Characteristics: deep green necks, red flesh, ball shaped, 8-cm diameter, fall to winter harvest, 60-day maturity.


Rond Rose a Bout Blanc—Vendor: Gourmet Gardener. Characteristics: round, bright pink with white tip, 24 days; imported from France.


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.


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.


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.


Valentine—Vendor: Stokes. Characteristics: round, green and white for salads, red interior at maturity, 25-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.


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.


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.

Chippman’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.


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 the southeastern United States, and for processing for the frozen food industry. PVP pending (Application No. 200000183). Crop Sci. 40:854–855, 2000.

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 x 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 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 (IH-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 pigmentation 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 without loss of fresh green color); similar in appearance to Coronet and 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 Pinkeye Purple Hull-BVR; adapted 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.
**Vegetable Cultivar List**

**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 and 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 Bettnkro 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 Bettergk Blackeye); pod set is concentrated and pods are borne above the foliage in a scattered fashion; typical pod is slightly curved, 2 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 Bettergk Blackeye), a smooth seed coat, and are somewhat larger than those of Bettnkro Blackeye (15.6 g per 100 peas). Yield potential is much greater than that of Bettergk Blackeye. Adaptation: for use throughout the southeastern United States by home gardeners and the dry pea 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; dry 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); yield is comparable to those of Charleston Greenpack, Coronet, and 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 and wholesale market production for the wholesale dry pack bean industry. 2000.

**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, good heat tolerance; flat, rounded leaf, with no curl for a good pack appearance. Resistance: downy mildew races 1, 2, 3, 4. Adapta-


**Baby’s Leaf—**Breeder and vendor: W. Atlee Burpee and Co.


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**SQUASH**

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**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 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 Bullet**—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.


**Bonita**—Vendor: Seedway. Characteristics: Mediterranean squash; mottled gray-green, good flavor; high yields; vigorous bush; 43 days.


Cha-Cha (JWS 6301)—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.


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 Warted Hubbard—Vendor: Twilley Seeds. Characteristics: open pollinated, green-skinned processing type; large warty fruit, 15” long x 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, Lebannese-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.


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.


Declaration II (XPT 1814)—Breeder and vendor: Seminis Vegetable Seeds-Asgrow. Characteristics: hybrid, medium dark zucchini—Vegetable Cultivar List

**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: Willite 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; 46 days.


**Gold Bar**—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.

**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.

**Hubbard Golden**—Vendor: Twilley Seeds. Characteristics: open pollinated winter squash; large, red-orange, warted fruit weigh about 10 lb., 11” x 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” x 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, warty, vining, 100 days.


**Irit**—Breeder: Zerain Gedera. Characteristics: hybrid; smooth, cylindrical light green fruit; open bush plant.

**Japan Cup**—Breeder: TakiI. Characteristics: hybrid; 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.

**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” x 9” fruit; 85 days to harvest; for home garden. Burpee Spring Catalog, 2000.


**Magda**—Breeder and vendor: Johnny’s Selected Seeds. Characteristics: hybrid. Middleeastern “cousa” type summer squash; pale green, blocky, tapered fruit; nutty, sweet flavor; 3–4” long for stuffing; 48 days. 2000.


**Midas**—Breeder and vendor: Willite 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.

**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.


**Papaya Pear** (**PX 4718347**)—Breeder and vendor: Seminis Vegetable Seeds. Parentage: *Cucurbita pepo* F1 hybrid. Characteristics: summer squash, strong plant; 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.


**Pilgrim**—Breeder and vendor: Seeds By Design. Characteristics: hybrid butternut winter squash; 3.3 lb. average fruit weight, 9” long x 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 Teten. Vendor: Tezier


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: large fruited acorn type; deep green skin, dark orange flesh; 7


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.


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.


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.


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.


Yellow Bush Scallop—Vendor: Liberty Seed. Seed Characteristics: scallop-shaped with bright yellow color; use immature for mini vegetable; 50 days.


Zebra—Breeder and vendor: Johnny’s Selected Seeds. Characteristics: middle eastern “cousa” type summer squash; pale green; for stuffing.


**SWEETCORN**

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**Alliance**—Breeder and vendor: Johnny’s, 1994.

**Appaloosa**—Breeder and vendor: Bobson. Characteristics: sh2, bicolored.


**Bandit**—Breeder and vendor: Harris Moran. Characteristics: 81 days, sh2 yellow.


**Bi-Guard**—Breeder and vendor: Harris Moran. Characteristics: 77 days, su, bicolored.


**Bold**—Breeder and vendor: Novartis. Characteristics: 82 days, Yellow, su. Resistance: Common Rust (Rp1d) and MDMV. Adaptation: Midwestern U.S.


**Bonus**—Breeder and vendor: Novartis. Characteristics: 83 days, Yellow, su. Resistance: Common Rust (Rp1d) and MDMV. Adaptation: Midwestern U.S.


**Candy Store**—Breeder and vendor: Harris Moran. Characteristics: 81 days, sh2, bicolored.


**Cornucopia**—Breeder and vendor: Ferry Morse. Characteristics: 85 days, su, yellow.

**Crossword**—Breeder and vendor: Harris Moran. Characteristics: 74 days, su, bicolored.


**Divinity**—Breeder and vendor: Stokes. Characteristics: 78 days, se, white.


**Dyno (HMX5372)**—Breeder: T. Kunkel. Vendor: Harris Moran Seed Co. Characteristics: 78 days, su, yellow.


**VEGETABLE CULTIVAR LIST**


**Elite (GH22839)**—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.


**First Class (SCH89013)**—Breeder: P. Mosely. Vendor: IFSI. Characteristics: 70 days, white, 7.5” ear. 1999.


**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.


**Frosty**—Breeder and vendor: Crookham Company. Characteristics: mid-season, white, se.

**Gemini**—Breeder and vendor: Stokes. Characteristics: 68 days, se, bicolor.

**GHI1676**—Breeder and vendor: Rogers. Characteristics: 81 days, su, yellow.

**GHI1698**—Breeder and vendor: Rogers. Characteristics: 81 days, su, yellow.

**GHI1703**—Breeder and vendor: Rogers. Characteristics: 73 days, su, yellow.

**GHI1887**—Breeder and vendor: Rogers. Characteristics: 78 days, su, yellow.

**GHI2419**—Breeder and vendor: Rogers. Characteristics: 78 days, se, bicolor, yellow.

**GHI2547**—Breeder and vendor: Novartis. Characteristics: 85 days, Yellow, su, Resistance: Common Rust (Rp1d). Adaptation: Midwest U.S.

**GHI2628**—Breeder and vendor: Rogers. Characteristics: 86 days, su, yellow.

**GHI2684**—Breeder and vendor: Rogers. Characteristics: 78 days, se, bicolor, yellow.

**GHI2690**—Breeder and vendor: Rogers. Characteristics: 85 days, su, yellow.

**Golden Gourmet**—Breeder and vendor: Harris Moran. Characteristics: 82 days, sh2, yellow.


**GSS-3710**—Breeder and vendor: Rogers. Characteristics: 82 days, sh2, yellow.

**GSS-6273**—Breeder and vendor: Rogers. Characteristics: 82 days, sh2, yellow.


**Heritage (GH1685)**—Breeder and vendor: Rogers. Characteristics: 81 days, su, yellow.


**Illini Xtrasweet (SCH 4109)**—Breeder: J. Hove. Vendor: IFSI. Characteristics: 85 days, yellow, 8.5” ear. 1968.


**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.


**Lonewolf (PS 8001 SSB)**—Breeder and vendor: Petoseed. Characteristics: late, bicolor, sh2, shipper, excellent fresh market ear.


**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.


**Notstine Dent**—Breeder and vendor: John’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...


Pinnacle—Breeder and vendor: Harris Moran. Characteristics: 77 days, sh2, yellow.


SEneca Dancer (RXB 8901)—Breeder and vendor: Robson. Characteristics: late, se, bicolor.

SEneca Horizon—Breeder and vendor: Robson. Characteristics: early, yellow, su.


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.


Silverado—Breeder and vendor: Harris Moran. Characteristics: 78 days, se, white.

Silverette—Breeder and vendor: Harris Moran. Characteristics: 79 days, se, white.


Snowshoe (PS 6502 SEW)—Breeder and vendor: Robson. Characteristics: early, se, white.


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.


Sprint—Breeder and vendor: Rogers. Characteristics: 73 days, su, yellow.


Summer Pearl—Breeder and vendor: Stokes. Characteristics: 74 days, se, white.


Sweet Dawn—Breeder and vendor: Harris Moran. Characteristics: 64 days, se, yellow.


Sweet Sal—Breeder and vendor: Harris Moran. Characteristics: 80 days, su, bicolour.


Sweet Start (HMX 5386)—Breeder and vendor: Harris Moran. 1989.

Sweter Bi Far—Breeder and vendor: Harris Moran. Characteristics: 79 days, sh2, bicolour.

Tartan—Vendor: Johnny’s. Characteristics: 84 days, sh2, bicolour.


Twin Star (HMX6346BS)—Breeder: Dr. Thomas A. Natti. Vendor: Harris Moran Seed Co. Characteristics: main season, sh2, bicolour, multiple disease resistance.

VEGETABLE CULTIVAR LIST

SWEETPOTATO

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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.


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...


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 determine vine, uniform green shoulder, globe shape and firm fruit. Resistance: verticillium wilt race 1, fusarium wilt race 1 and 2, gray leaf spot. 1996.


Big Shot—Breeder and vendor: Burpee. 1999.


Bucks County—Breeder and vendor: Burpee. 

Burpee Bunch—Breeder and vendor: Burpee. 


Captive (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 and 2, gray and red. 1996.


Conquistador (6252)—Breeder and vendor: Sunseeds. Parentage: F1 hybrid. Characteristics: midseason (80 days) maturity, medium-large vine, determine, good ground culture or short stakes good cover, strong. Saladelte/Roma type. Resistance: TVW race 1, nematode, fusarium wilt races 1, 2, 3, BS. Similar: Yaqi. 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 stakes. 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.

Cyriss (PS 628495)—Breeder and vendor: Petoseed. Characteristics: F1 hybrid, fresh market, large determinate, oma/saladette fruit, very firm, for ground or short stakes. Resistance: verticillium wilt race 1, fusarium wilt races 1 and 2, bacterial speck race 0. Adaptation: Mexico, Texas, South America. Similar: Yaqi.

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 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.


**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-shoudlered, 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-shoudlered, 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.


**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, tomato mosaic virus. 1995.


**French Rose**—Breeder and vendor: Burpee. 1999.


**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, TTYLCV. 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, TTYLCV. 1996.


**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: midseason in California, northwest U.S. Similar: Hypeel 676. 1999.


**Kymdia—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.


**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.


**My Baby**—Breeder and vendor: Burpee. 1999.

**Nautico (FMY 1023)**—Breeder: Court Nichols. Vendor: Harris Moran. Characteristics: F1 hybrid, fresh market, indeterminate, small fruit, uniform ripening, extended shelf life, cluster type.

**Octavio—Vendor:** Johnny’s Selected Seed. Characteristics: F1 hybrid, fresh market, determinate, 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.

VEGETABLE CULTIVAR LIST


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Sweet Cluster (012890)—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.


TURNIP

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VEGETABLE CULTIVAR LIST

WATERMELON

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Angeleno—Parentage: possibly from Chilean watermelons or Chilean Black Seeded cultivar.


Black Seeded Klondike No. 3—Breeder: Dept. Vegetable Crops, University of California, Davis. 1933.


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.


Carolina Bradford—Breeder: 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.


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.


Cuban Queen—Breeder and vendor: W. Atlee Burpee. 1881.


Dixie Belle (Stone Mountain)—Breeder: H.G. Hastings, Atlanta, Georgia. Characteristics: thick, tough, dark green rind, 17 × 14 inches, 35 to 40 lb., red, sweet flesh. 1924.

Dixie Queen (White-Seeded Cuban Queen)—Breeder: Johnson. Vendor: Stokes Seed Co. Parentage: Cuban Queen × 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 few seeds; seeds white and small. 1890.


Early Kansas—Breeder: 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.


Florida Favorite—Breeder: Robert Buist Co. Parentage: Rattlesnake and Peacock. 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 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.


Gray Monarch (Long Light Icing)—Breeder: 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 large, 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 size small, 15 lb., short, nearly round, dark green stripes irregular on a light green background; rind tender; flesh light red, sweet and delicious; seeds black.


Hungarian Honey—Parentage: introduced from Hungary. 1885.


Iowa 112—Breeder: Mr. Younkin, Iowa. Parentage: Iowa Bell x Jugoslavia 7. 1938.


Iowa Dixie—Breeder: Mr. Wilson, Iowa. Parentage: Iowa Belle x Japan 7. 1934.


Irish Gray—Breeder: 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.


Kleckley Sweet (Monte Cristo)—Breeder: W.A. Kleckley, Alabama. Vendor: Robert Buist Co. Parentage: possibly Boss xArkansas 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. 1932.


Monte Cristo (Kleckley Sweet)—Breeder: W.A. Kleckley, Alabama. Vendor: Robert Buist Co. Parentage: possibly Boss xArkansas 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. 1932.

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.


**VEGETABLE CULTIVAR LIST**

**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: elongated 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.


**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.


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**Very Dark Green**—Breeder: H.G. Hastings, Atlanta, Georgia. Characteristics: thick, tough, dark green rind, 17–18 inches, 10–12 lb., pink flesh, white seeds, narrow dark green-black rind; 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: excellent shipping requisites for size, tough rind and quality; fruit are 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.

**Viviana**—Breeder: Mr. Taylor, Louisiana. Parentage: from African stock. 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.

**White Seed**—Breeder: 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.

**Wills Sugar**—Vendor: O. H. Will Seed Co., Bismarck, North Dakota. 1889.
