

Vegetable Variety Trials

2004

EM 8777E-05 • Revised March 2005



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Production notes

Varieties of several kinds of vegetables were grown and evaluated in conjunction with breeding programs at the Oregon State University vegetable farm in Corvallis, Oregon. Unless otherwise noted, plots were 10 to 20 feet long, with 30 inches between rows, and received about 450 lb/acre (about 10 lb/1,000 ft²) of 12-29-10-4 fertilizer banded prior to planting. Water was applied every 7 to 14 days as needed. The soil is a well-drained Chehalis silt loam.

Home gardens produce the best yields when planted with vegetable varieties adapted to local growing conditions. These variety trials may assist market growers and home gardeners in choosing adapted varieties, based on qualities that are important to them (such as appearance, earliness, flavor, yield, and disease resistance).

To learn more about specific crop characteristics, types of cultivars, crop origins, nutritional content, and other varietal qualities, see the Vegetable Crops (Hort. 233) class notes on the Web at oregonstate.edu/dept/hort/233/index.htm. To learn more about fertilization, cultural practices, pest and disease control, and harvest and storage of specific crops, see the Vegetable Crop Production Guides on the Web at oregonstate.edu/dept/NWREC/vegindex.html

Oregon State University Extension Service offers short publications on specific crops, garden planning, site preparation, and more. You can find many publications on the Web at eesc.oregonstate.edu, or write to Extension & Station Communications, Oregon State University, 422 Kerr

Administration, Corvallis, OR 97331-2119; e-mail: [puborders@oregonstate.edu](mailto:pубorders@oregonstate.edu); phone: 541-737-2513.

Notes were not obtained on all varieties provided by seed companies or other sources.

Authors

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Sources of Varieties

*Abbott and Cobb, Inc., PO Box 307, Feasterville, PA 19053-0307, 800-345-7333

Agrisales, Inc., PO Box 2060, Plant City, FL 33566, 813-765-0153

Alberta Nurseries & Seeds, Box 20, Bowden, Alberta, Canada

W. Atlee Burpee Company, 300 Park Avenue, Warminster, PA 18991, 800-888-1447, www.burpee.com

*Bejo Seeds, 1972 Silver Spur Place, Oceanside, CA 93445, 805-473-2199, www.bejoseeds.com

BHN Research, 16750 Bonita Beach Road, Bonita Springs, FL 34135, 800-606-0163

*Danson Seed Company, 10851 Woodbine Street, Los Angeles, CA 90034, 310-838-7675

*D. Palmer Seed Co. Inc., 8269 South Highway 95, Yuma, AZ 85365, 928-341-8494, www.dpalmerseed.com

*Harris Moran Seed Co., PO Box 4938, Modesto, CA 95352-4938, 209-579-7333, www.harrismoran.com

Harris Seed, PO Box 24966, 355 Paul Road, Rochester, NY 14624-0966, 800-544-7938, www.harrisseed.com

*Hazera Quality Seeds, 1369 East Avenue, Chico, CA 95926, 530-894-7346

Johnny's Selected Seeds, 955 Benton Avenue, Winslow, ME 04901-2601, 207-861-3901, www.johnnyseeds.com

Nichols Garden Nursery, 1190 Old Santiam Road NE, Albany, OR 97321, 800-422-3985, www.nicholsgardennursery.com

*Nunhems Seed Company, 1200 Anderson Corner Road, Parma, ID 83660, 800-733-9505, www.sunseeds.com
Oregon State University, J.R. Myers, Department of Horticulture, ALS 4017, Corvallis, OR 97331-7304, 541-737-3083, myersja@science.oregonstate.edu

*Orsetti Seed Company, Inc., 2301 Technology Parkway, PO Box 2350, Hollister, CA 95024-2350, 831-636-4822, www.orsettiseeds.com

*Osborne International Seed Co., 2428 Old Highway 99 South, Mount Vernon, WA 98273, 360-424-7333, www.osborneseed.com

Park's Seed, 1 Parkton Ave., Greenwood, SC 29647-0001, 800-845-3369, www.parkseed.com

*Rogers Seed Company, a division of Syngenta, PO Box 4188, Boise, ID 83711-4188, www.rogersadvantage.com

*Rupp Seeds, Inc., 17919 County Road B, Wauseon, OH 43567-9458, 419-337-1841, www.ruppseeds.com

*Sakata Seed America, Inc., 18095 Serene Road, Morgan Hill, CA 95037, 408-778-7758, www.sakata.com

Seeds of Change, PO Box 15700, Santa Fe, NM 87592-1500, 888-762-7333, www.seedsofchange.com

*Seminis Vegetable Seeds, 2700 Camino Del Sol, Oxnard, CA 93030-7967, 805-647-1572, www.seminis.com

Siegers Seed Co., 13031 Reflections Drive, Holland, MI 49424-7217, 800-962-4999, www.siegers.com

*Sunseeds, a division of Nunhems, 1200 Anderson Corner Road, Parma, ID 83660, 1-800-733-9505, www.sunseeds.com

*Syngenta Seeds, Inc., PO Box 4188, Boise, ID 83711-4188, 208-322-7272, www.syngenta.com

*Takii @American Takii, 301 Natividad Road, Salinas, CA 93906, 831-443-4901, www.takii.com

Territorial Seed Company, PO Box 158, Cottage Grove, OR 97424-0061, 800-626-0866, www.territorialseed.com

Texas A & M University, Leonard Pike, Department of Horticultural Sciences, College Station, TX 77843, 979-845-7012, l-pike@tamu.edu

Wild Garden Seed, PO Box 1509, Philomath, OR 97370, 541-929-4068, www.wildgardenseed.com

*Wholesale only

The listing of a seed company in this publication does not mean that the Oregon State University Extension Service either endorses its products and services or intends to discriminate against products and services not mentioned.

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Revised April 2004. Revised March 2005.

Beans, Snap¹

Variety	Source	Type	Sieve Size ²	Maturity	Color	Length (cm)	Cross Section	Heat Tolerance ³	Yield ³	Growth Habit ⁴	Overall Score ³	Cultivar Type ⁵	Notes ⁶
Carana	Nunhems	French/filet	3	early	light green	13	round	7	7	3	6	PL	
Cherie	Johnny's	French/filet	2	medium	medium green	12	round	5	3	5	4	PL	High fiber
Cupidon	Territorial	French/filet	3	medium	light green	18	round	4	7	3	6	PL	Long and slender; very productive
Decoro	Nunhems	French/filet	3	medium early	medium green	13	round	7	7	7	7	PL	Smooth pods
Grenoble	Johnny's	French/filet	3	early	medium green	12	round	7	5	6	6	PL	Smooth pods; BBL flavor
La France	Burpee	French/filet	2	medium	medium green	12	round	3	6	3	5	PL	Compact plant; curved pod; BBL flavor
Lipso	Nunhems	French/filet	2	medium	medium green	12	round	4	3	1	3	PL	
Masai	Rogers	French/filet	2	early	light green	10	heart	3	3	4	3	PL	
Maxibel	Territorial	French/filet	3	medium	medium green	18	round	5	5	5	5	PL	Long, slender, curved pod; concentrated set
Mercana	Nunhems	French/filet	2	medium early	medium green	12	round	7	5	4	6	PL	Straight pods; BBL flavor
Nagano	Nunhems	French/filet	3	early	medium green	13	round	7	9	4	8	PL	Very productive; straight pods
Nickel	Territorial	French/filet	3	late	medium green	11	round	4	6	6	6	PL	Erect plants; hooked pods
Normandie	Johnny's	French/filet	2	late	medium green	13	round	5	5	7	5	PL	Slender, straight pods
Pissos	Nunhems	French/filet	1	medium early	medium green	12	round	4	3	3	3	PL	Slender pods
Straight 'N Narrow	Nichols	French/filet	2	medium	yellow-green	13	round	8	7	6	8	PL	Compact plants; productive
Stringless French Filet	Burpee	French/filet	3	late	medium green	17	round	1	3	7	4	PL	Long pods; high fiber
Xantos	Nunhems	French/filet	2	medium early	medium green	12	round	5	7	6	6	PL	Slender; BBL flavor
Xera	Johnny's	French/filet	3	late	medium green	12	round	3	3	7	5	PL	Compact plants; smooth pods
Earliserve	Seminis	standard	5	very early	light green	12	oval	1	3	3	2	PL	Curved pod
Tenderette	Harris	standard	6	medium late	medium green	13	round	5	5	3	5	PL	Smooth, straight pods
Paloma	Nunhems	intermediate	4	medium early	medium green	10	oval to round	5	5	3	2	PL	

¹Planted June 7.

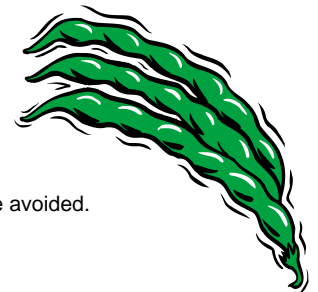
²Sieve size refers to diameter, with full sieve, or standard, beans having sieve size of 5 or 6, intermediate beans having sieve size 4, and small (slender) beans having sieve size 1–3.

³Scores based on a 1–9 scale with 9 = best.

⁴Scores based on a 1–9 scale, with 9 = most upright plant habit. Upright habit is preferable because pods are kept off the ground and diseases, such as white mold, may be avoided.

⁵PL = pure line: varieties of self-pollinated crops—these varieties will reproduce true to type, even without isolation.

⁶BBL stands for bush blue lake, a type of snap bean known for excellent quality and flavor.



Beans, Snap¹

Variety	Source	Type	Sieve Size ²	Maturity	Color	Length (cm)	Cross Section	Heat Tolerance ³	Yield ³	Growth Habit ⁴	Overall Score ³	Cultivar Type ⁵	Notes ⁶
Speedy	Nunhems	intermediate	4	very early	medium green	13	round	5	4	6	4	PL	
Major	Territorial	wax	4	late	yellow	14	oval	3	3	3	3	PL	
Slenderwax	Harris	wax	4	medium	yellow	11	round	3	3	5	4	PL	Hooked pod

¹Planted June 7.

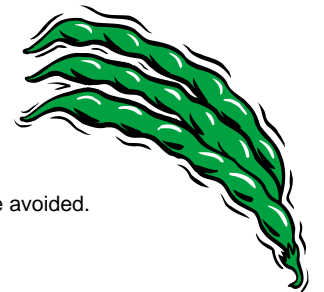
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Broccoli¹

Variety	Source	Maturity	Plant Height (cm)	Head Diameter (cm)	Head Shape ²	Head Color ³	Bead Size ⁴	Stem Color ³	Head Exsertion ⁵	Head Segmentation ⁶	Plot Uniformity ⁷	Branching ⁸	Overall Score ⁹	Cultivar Type ¹⁰	Notes ¹¹
Alborada	Bejo	late	59	15	6	5	fine	5	3	5	1	5	3	F1	Moderate downy mildew and head rot; very mild flavor
Arcadia	Sakata	medium	83	16	7	5	medium to coarse	5	6	3	5	5	6	F1	Some downy mildew; some rosetting
ATX 3040	Osborne	late	83	15	5	7	fine to medium	3	5	3	5	3	6	F1	Very similar to Excelsior but later; some head rot
Bejo 1959	Bejo	medium	61	19	6	7	fine to medium	3	3	1	6	1	3	F1	Moderate to severe downy mildew and head rot
Denali	Orsetti	medium early	57	16	6	5	medium	1	5	1	7	3	3	F1	Rosetting; some head rot
Early Dividend	Territorial	early	59	17	6	4	medium	1	5	3	5	3	3	F1	Some head rot
Emerald Pride	Sakata	medium	62	15	5	5	fine	5	3	5	3	3	5	F1	Moderate head rot
Excelsior	Harris Moran	medium	82	15	5	5	medium	7	3	3	3	3	5	F1	Downy mildew
Gem	Seminis	early	64	14	3	5	coarse	5	6	6	1	9	1	F1	Moderate to severe downy mildew and head rot; variable maturity and type
General	Osborne	medium early	61	16	6	5	medium	3	3	3	7	3	4	F1	One plant with severe head rot

¹Direct seeded July 2.

²Scores based on a 1–9 scale with 1 = concave, 5 = flat, and 9 = extreme dome. A dome shape is preferred to enable water to run off the head, minimizing head rot.

³Scores based on a 1–9 scale with 1 = yellow-green and 9 = dark blue-green. Processors prefer a dark blue-green head and stem; may not be important to home gardeners.

⁴Beads are the individual, unopened flower buds that make up a broccoli head.

⁵Scores based on a 1–9 scale with 1 = little exsertion and 9 = very exserted. Head exsertion refers to how far the heads are held above the leaves (important for mechanical harvest).

⁶Scores based on a 1–9 scale with 1 = uniform, tight head and 9 = highly segmented, loose head. Processors prefer a segmented head; if spears are too tight in the head, color may be uneven when the spears are divided for processing because some florets have not been exposed to light.

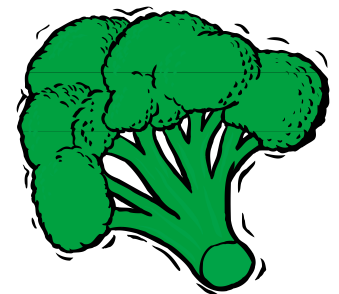
⁷Scores based on a 1–9 scale with 9 = most uniform.

⁸Scores based on a 1–9 scale with 1 = no branching and 9 = many well-developed side branches. Processing types must have a large main head for once-over harvest; home gardeners may prefer a smaller central head and good side branches for an extended harvest.

⁹Scores based on a 1–9 scale with 9 = best.

¹⁰F1 = F1 hybrid: the direct result of a cross between two genetically different parents (usually inbred lines)—seed of these varieties will not reproduce true to type; advantages to gardeners include increased uniformity and vigor and often disease resistance. OP = open pollinated: varieties of cross-pollinated crops that will reproduce true to type if isolated from other varieties of the same species.

¹¹Rosetting refers to the formation of a large ring of older florets surrounding smaller, younger (and sometimes discolored) florets. Head rot is caused by soft-rot bacteria when maturing heads stay wet for too long a period of time; may happen with prolonged periods of rain, but can also be induced by excessive overhead watering.



Broccoli¹

Variety	Source	Maturity	Plant Height (cm)	Head Diameter (cm)	Head Shape ²	Head Color ³	Bead Size ⁴	Stem Color ³	Head Exsertion ⁵	Head Segmentation ⁶	Plot Uniformity ⁷	Branching ⁸	Overall Score ⁹	Cultivar Type ¹⁰	Notes ¹¹
Heritage	Seminis	late	65	14	6	7	fine	3	4	2	7	3	5	F1	
Laguna	Osborne	medium	74	15	7	6	medium	5	1	1	7	1	3	F1	
Legend	Sakata	medium	78	14	4	5	coarse	7	3	1	5	5	3	F1	Severe head rot
Monterey	Sakata	late	78	17	5	5	fine	3	3	3	3	5	1	F1	Moderate head rot; many blind plants
Munchkin	Nichols	late	34	9	7	3	fine to coarse	1	1	1	5	1	1	OP	Moderate to severe downy mildew; strong, bitter flavor
Premium Crop	Takii	medium	73	19	4	5	coarse	7	4	3	7	3	1	F1	Moderate to severe downy mildew and head rot; not a processing type
Purple Peacock	Wild Garden Seed	medium early	88	12	3	purple	coarse	purple	3	3	3	5	—	OP	Variable maturity; some downy mildew; very loose heads with rosetting; strong kale-like flavor; novelty home-garden type
Regal	Harris Moran	early	60	14	5	5	medium	5	3	3	5	5	3	F1	Downy mildew and some head rot
Sultan	Sakata	medium	56	18	5	5	medium	6	6	3	3	1	5	F1	Some head rot
Windsor	Siegers	medium early	64	17	6	7	medium	5	5	1	6	1	7	F1	Some head rot

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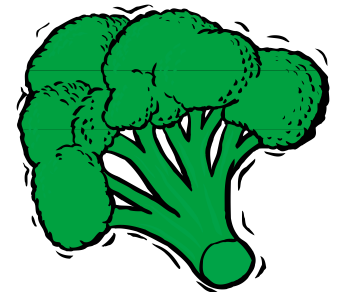
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Carrots¹

Variety	Source	Type ²	Color	Length (cm)	Width (cm)	Top Vigor ³	Cracking & Defects	Overall Score ³	Cultivar Type ⁴	Notes ⁵
Kinbi	Johnny's	kuroda	yellow	17.5	6.4	7	splitting; internal cracking	3	F1	Green shoulder; greenish core; 20% bolting; severe aster yellows
Arrowhead	Sakata	imperator	orange	24.5	5.9	7	splitting (30–40%)	4	F1	Variable size and shape; good crown color; uniform internal color; not sweet
Columbia	Sakata	imperator	orange	37.5	4.5	5	splitting (40–50%)	5	F1	Very uniform color; nice crown color; fair flavor; some aster yellows
Nutri-Red	Nichols	imperator	red skin light-red flesh	24.5	3.4	4	severe splitting	4	OP	Good crown color; high lycopene type; poor flavor
Sugarsnax 54	Johnny's	imperator	orange	33.5	5.0	5	splitting (50%)	5	F1	10% bolting; good shoulder color; very uniform internal color; mild but sweet
Topcut 93	Sunseeds	imperator	orange	34.8	4.4	5	50% splitting	4	F1	fairly uniform; good shoulder color; woody; sweet; some aster yellows
Trinity	Sakata	imperator	orange	33.3	4.9	7	10% cracking	3	F1	Good crown and shoulder color; uniform; strong, unpleasant flavor
Austria	Bejo	nantes	orange	24.0	5.0	3	splitting (60%)	5	F1	Slight green in crown; internal color somewhat variable; pleasant flavor
Beta Sweet	Texas A&M University	nantes	orange/purple	18.5	5.5	6	severe splitting (90%)	4	F1	Good shoulder color; mild flavor but sweet; 5–10% bolting; mild aster yellows
Bolero	Territorial	nantes	orange	20.5	4.3	4	no splitting	4	F1	Some off types; significant green color in crown; darker core; crisp; very unusual flavor
Mignon	Bejo	nantes	orange	19.5	3.8	5	20% splitting	2	F1	Fairly dark shoulder; color OK; slightly bitter
Mokum	Bejo	nantes	orange	23.0	4.5	3	splitting (50%)	6	F1	Slightly green crown; sweet, mild
Nantindo	Harris	nantes	orange	19.5	5.4	6	forking; no splitting	5	F1	Green crown; darker core; mild; some aster yellows
Napa	Bejo	nantes	orange	21.0	4.2	4	no splitting	7	F1	Darker core but uniform shoulder color; flavor mild and slightly sweet; some aster yellows
Napoli	Bejo	nantes	orange	22.0	5.2	5	no splitting	7	F1	Somewhat darker crown; white, pithy center; mild and slightly sweet

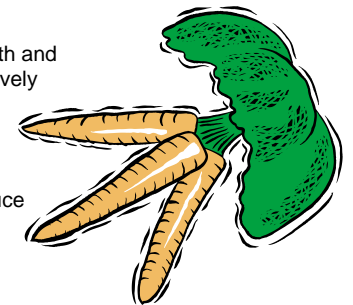
¹Direct seeded June 4.

²Imperator types have nearly cylindrical, long, durable roots and are especially suited to shipping and processing, but need deep, sandy soils; Nantes are medium length and cylindrical and generally are considered to have the best flavor for fresh eating; Danvers are medium length and tapered; Chantenay types are broad, blocky, and relatively short, making them suitable for planting in heavy or shallow soils; Kurodas are Japanese types similar to Chantenay in shape.

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⁵Aster yellows is a virus that infects many crops, including carrots; when severe it can affect yield and quality of roots. Zoning refers to interior rings of non-uniform color, generally considered an undesirable trait; bolting is the premature formation of a seed stalk.



Carrots¹

Variety	Source	Type ²	Color	Length (cm)	Width (cm)	Top Vigor ³	Cracking & Defects	Overall Score ³	Cultivar Type ⁴	Notes ⁵
Narbonne	Bejo	nantes	light orange	19.5	4.5	4	no splitting	6	F1	Dark core with some green; mild flavor; some aster yellows
Nelson	Bejo	nantes	orange	21.0	4.0	3	10% splitting	5	F1	Uniform; good shoulder color; core darker; slightly bitter
Nevis	Bejo	nantes	orange	19.5	4.5	6	no splitting	8	F1	Very uniform; good internal color; crisp
Oranza	Bejo	nantes	orange	22.0	4.6	4	no splitting	7	F1	Darker core; crisp; good flavor
Rumba	Johnny's	nantes	orange	19.0	5.5	3	90% splitting	2	OP	10% bolting; strong flavor but sweet
Sweetheart	Bejo	nantes	orange	22.5	4.4	4	roughly 30–40% splitting	3	F1	Dark core; green shoulder; fair flavor

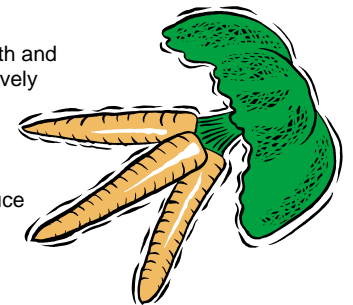
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Corn, Sugary Enhanced and Sweet¹

Variety	Source	Type ²	Color	Days to Harvest	Tons/Acre	Ears/Plant	Lb/Ear	Ear Length (inches)	Ear Diameter (inches)	Kernel Depth (mm)	Pericarp Toughness ³	Kernel Refinement ⁴	Ear Uniformity ⁵	Flavor ⁶	Overall Score ⁶	Notes
Seneca Horizon	Territorial	su	yellow	74	6.8	0.96	0.62	7.3	2.10	11	122	1.5	2.5	2.5	2.5	Coarse; fair yield for early corn
Daybreak	Harris	se	yellow	74	5.1	0.92	0.50	7.6	1.85	10	113	3	1.5	3	2	Pale color; poor yield; flavor sweet but watery
GH 6014	Syngenta	se	yellow	94	8.6	1.06	0.60	8.0	1.95	12	71	4	3	4	3	Very nice except for poor tip fill
Whiteout	Johnny's	se	white	87	7.6	1.27	0.62	7.7	1.95	12	85	3.5	4	3.5	3.5	Lodging
Montauk	Harris	se	bicolor	90	8.9	0.96	0.75	7.8	2.10	12	55	4	2.5	3.5	2.5	Very large butt ends, very tapered
Mystique	Johnny's	se	bicolor	81	8.1	1.17	0.66	8.7	1.95	12	58	3	2.5	3.5	3.5	Lodging; reliable second ears; very good yield for early corn; some ears slightly curved
Nantasket	Harris	se	bicolor	87	7.2	1.05	0.72	7.5	2.05	12	59	3.5	2.5	3.5	3.5	Very tender

¹Direct seeded June 25 in rows 30" apart, thinned to 9" between plants. All data were obtained from typical husked good ears. For ear length, ear diameter, and tenderness, the value shown is the average of 10 individual ear measurements. All varieties are hybrids.

²Endosperm type: su = sugary, se = sugary enhanced; must be isolated from supersweets.

³Tenderness was determined by a spring-operated puncture gauge; lower numbers indicate more tender pericarp.

⁴Scores based on a 1–5 scale, with 5 = most refined. Kernel refinement is a subjective measure of kernel size and uniformity, with small, evenly sized kernels being preferable.

⁵Scores based on a 1–5 scale with 5 = most uniform. Ear uniformity refers to the degree of variation among ears.

⁶Scores based on a 1–5 scale with 5 = best.



Corn, Supersweet¹

Variety	Source	Color	Days to Harvest	Tons/Acre	Ears/Plant	Lb/Ear	Ear Length (inches)	Ear Diameter (inches)	Kernel Depth (mm)	Pericarp Toughness ²	Kernel Refinement ³	Ear Uniformity ⁴	Flavor ⁵	Overall Score ⁵	Notes
ACX 1011 Y	Abbott & Cobb	yellow	92	7.1	0.87	0.81	8.6	2.15	12	83	2	2.5	3	2.5	Slightly curved, large ears with coarse kernels; lodging
ACX 1021 Y	Abbott & Cobb	yellow	91	10.0	1.26	0.67	8.0	2.10	12	79	3.5	3.5	4	3.5	Refined ears with very good flavor
ACX 1073Y	Abbott & Cobb	yellow	91	8.5	1.08	0.69	8.0	2.10	12	67	3.5	3	3.5	3.5	Severe lodging
ACX 725Y	Abbott & Cobb	yellow	91	10.1	1.14	0.73	7.8	2.10	14	100	3	3.5	2	2.5	Deep kernels
GSS 2914	Syngenta	yellow	91	11.2	1.28	0.69	8.3	2.00	13	79	3.5	3.5	4	3.5	Generally nice, refined ears but with some variability; good yield
Summer Sweet 610	Abbott & Cobb	yellow	91	11.5	1.11	0.85	8.6	2.20	13	114	3.5	3.5	2	3	Large ears and good yield but not very tasty
Summer Sweet 7210 Imp	Abbott & Cobb	yellow	90	8.3	0.96	0.76	8.5	2.15	13	117	2.5	3	3.5	3	
Summer Sweet 820Y	Abbott & Cobb	yellow	91	7.2	0.89	0.66	7.9	2.00	12	71	2.5	2.5	3	2.5	Poor yield; very sweet but lacking depth of flavor
Summer Sweet 900Y	Abbott & Cobb	yellow	91	7.8	1.00	0.71	7.9	2.05	12	75	3	2.5	3.5	3	Lodging even though plants are short
Silverlining	Abbott & Cobb	white	90	7.8	0.85	0.78	8.5	2.15	13	90	3	3	3.5	3.5	Uniform; large ears with deep kernels
Summer Sweet 642AW	Abbott & Cobb	white	93	5.9	0.72	0.64	7.7	2.05	12	76	2.5	2.5	3	2.5	Fairly coarse, rough ears; sweet but no depth of flavor
Summer Sweet 781 Ultra	Abbott & Cobb	white	91	10.5	1.33	0.60	7.0	2.05	14	81	3.5	4	3.5	3.5	Lodging; small, refined ears with deep kernels; uniform
Xtratender 378A	Johnny's	white	90	9.6	1.38	0.61	7.7	2.05	12	84	4	3.5	3.5	3.5	Very uniform, refined, good-looking ears; good yield
Xtratender 272A	Harris	bicolor	77	7.9	1.00	0.63	7.9	1.95	10	101	3.5	3	4	3.5	Small, refined ears; good flavor; very early

¹Direct seeded June 22 in rows 30" apart, thinned to 9" between plants. All data were obtained from typical husked good ears. For ear length, ear diameter, and tenderness, the value shown is the average of 10 individual ear measurements. All varieties are hybrids.

²Tenderness was determined by a spring-operated puncture gauge; lower numbers indicate more tender pericarp.

³Scores based on a 1–5 scale, with 5 = most refined. Kernel refinement is a subjective measure of kernel size and uniformity, with small, evenly sized kernels being preferable.

⁴Scores based on a 1–5 scale with 5 = most uniform. Ear uniformity refers to the degree of variation among ears.

⁵Scores based on a 1–5 scale with 5 = best.



Lettuce¹

Variety	Source	Type	Color	Vigor ²	Overall Score ²	Cultivar Type ³	Notes ⁴
Blushed Butter Cos	Territorial	butterhead	green with red blush	5	4	PL	Ruffled, savoyed leaves with buttery texture; flavor just OK
Emerald Oak Leaf	Nichols	butterhead	green	6	8	PL	Good head density; good flavor; some bolting
Esmeralda	Nichols	butterhead	green	7	8	PL	Nice head; buttery, mild flavor
Sanguine Ameliore	Territorial	butterhead	green with red freckle	3	7	PL	Nice head; buttery, mild flavor
Bayview	Osborne	crisphead	green	7	8	PL	Salinas type with large frame and head; good flavor
El Dorado	Osborne	crisphead	green	4	5	PL	Uniform; early
Atsina	Nichols	loose leaf	red	2	3	PL	Ruffled; bitter
Concept	Orsetti	loose leaf	dark green	3	4	PL	Slightly savoyed leaves; good flavor
Deep Red	Harris	loose leaf	red	7	7	PL	Frilled leaves
Gold Rush	Territorial	loose leaf	lime green	4	4	PL	Deeply lobed, frilly leaves; chicory-like flavor
Grand Rapids	Orsetti	loose leaf	green	4	6	PL	Mild flavor
Green Vision	Johnny's	loose leaf	dark green	7	8	PL	Glossy, savoyed leaves
Hyper Red Rumpel	Territorial	loose leaf	dark red	6	4	PL	Very ruffled, frilled leaves with thick midribs; bitter; some bolting
New Red Fire	Takii	loose leaf	green with light-red blush	5	5	PL	Strong flavor
Prize head	Alberta Nurseries	loose leaf	green with red edges	4	5	PL	Color is not intense; flavor OK; some downy mildew
Red Deer Tongue	Nichols	loose leaf	green with red blush	4	4	PL	Highly variable in size and color; good mild flavor
Red Embers	Orsetti	loose leaf	red	4	5	PL	Very frilled leaf; flavor OK
Red Rage	Osborne	loose leaf	green with dark-red edges	7	7	PL	Uniform; slightly frilled leaves
Red Sails	Nichols	loose leaf	green with deep-red blush	3	5	PL	Good flavor
Revolution	Territorial	loose leaf	dark red	2	7	PL	Sweet, flavorful
Royal Green	Harris	loose leaf	lime-green	7	6	PL	Frilled, crinkled leaves; crisp
Royal Red	Nichols	loose leaf	dark red	4	6	PL	Heavily savoyed leaves; very pretty color; good flavor; downy mildew
Salad Bowl	Nichols	loose leaf	green	5	5	PL	Good flavor; quite a few bolting

¹Direct seeded July 24.

²Scores based on 1–9 scale with 9 = best.

³PL = pure line: varieties of self pollinated crops—these varieties will reproduce true to type, even without isolation.

⁴Powdery mildew is a fungus-like microorganism that infects many crops, including lettuce; affected plant parts turn brown, and leaves die.



Lettuce¹

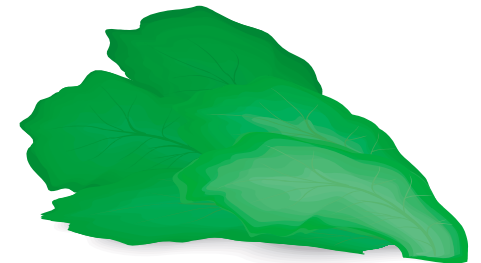
Variety	Source	Type	Color	Vigor ²	Overall Score ²	Cultivar Type ³	Notes ⁴
Tahoe	Osborne	loose leaf	green with deep-red edges	6	7	PL	Deeply textured leaves; very attractive
Two Star	Orsetti	loose leaf	dark green	4	5	PL	Filled leaves; sweet with some bitterness
Berenice	Johnny's	oak leaf	dark green	5	5	PL	Dense heads with very deeply lobed leaves
Blush Icy Oak	Nichols	oak leaf	green with light-red blush	3	5	PL	Good, mild flavor
Italienischer	Territorial	oak leaf	green	7	5	PL	Crisp and very mild; downy mildew
Oaky Red Splash	Territorial	oak leaf	green with dark-red edges	7	7	PL	Deeply lobed leaves; flavor strong but not bitter
Red Ruffled Oaks	Territorial	oak leaf	green with red blush	5	4	PL	Some bolting; mildew
Capistrano	Territorial	romaine	green	5	5	PL	Strong flavor but not bitter; downy mildew
Cimmaron	Harris	romaine	red with green veins	5	6	PL	Early; good flavor
Claremont	Johnny's	romaine	dark green	4	5	PL	Small frame and head; good flavor
Coastal Star	Johnny's	romaine	green	7	7	PL	Mild, sweet flavor
Darkland Cos	Osborne	romaine	dark green	6	6	PL	Dark green, shiny leaves; fair flavor
Eruption	Johnny's	romaine	dark red	6	7	PL	Leaves are slightly ruffled and green at base
Freckles	Johnny's	romaine	green with red freckle	6	7	PL	Very attractive and unusual
Fresh/Heart	Orsetti	romaine	green	2	3	PL	Slightly savoyed leaves; very dense interior; late; mild flavor

¹Direct seeded July 24.

²Scores based on 1–9 scale with 9 = best.

³PL = pure line: varieties of self pollinated crops—these varieties will reproduce true to type, even without isolation.

⁴Powdery mildew is a fungus-like microorganism that infects many crops, including lettuce; affected plant parts turn brown, and leaves die.



Melons¹

Variety	Source	Type ²	Maturity	Fruit Length (cm)	Fruit Width (cm)	Rind Color	Flesh Color	Netting ³	Disease ⁴	Yield ⁵	Cavity Length (cm)	Cavity Width (cm)	Flavor ⁵	Brix ⁶	Overall Score ⁵	Cultivar Type ⁷	Notes
AM-02-03	D. Palmer	Ananas	medium	19.0	15.5	green	light green	moderate	3	4	11.0	8.0	7	11.2	5	F1	Some cracking; good flavor
AM-02-04	D. Palmer	Ananas	early	16.5	15.0	yellow-green	light green	moderate	6	6	10.0	6.5	5	9.4	6	F1	
AChaparral	Abbott & Cobb	California shipper	medium early	16.5	3.0	tan	orange	heavy	8	7	10.0	5.0	4	6.8	6	F1	
Ambrosia	Seminis	California shipper	medium early	15.5	14.0	green-tan	orange	heavy	8	7	8.0	6.0	4	8.2	4	F1	Creamy texture
Cobra	D. Palmer	California shipper	medium early	17.0	14.6	tan	orange	heavy	6	7	10.0	6.0	8	10.6	7	F1	Very good, sweet flavor
Cruiser	Harris	California shipper	early	17.0	14.5	tan	orange	heavy	9	8	11.0	7.0	2	8.0	3	F1	Early concentrated set with very good yield, but heavy disease kept fruit from developing sugar
Joaquin Gold	Rogers	California shipper	medium early	15.0	14.0	tan	orange	heavy	6	7	9.0	6.0	7	12.0	5	F1	
Rocket	Harris	California shipper	medium early	16.5	14.5	tan	orange	heavy	8	6	10.0	6.0	5	10.0	4	F1	
Western Express	Sakata	California shipper	medium early	15.0	15.0	tan	orange	heavy	7	8	7.5	6.5	6	10.8	6	F1	
Amy	Harris	Canary	medium late	18.0	15.0	yellow	very light green	none	7	7	11.5	6.5	7	13.6	6	F1	Soft flesh
Dorado	Harris	Canary	medium	23.0	16.0	bright yellow	light green	none	7	7	15.5	8.0	7	12.4	5	F1	Rind exhibits fine cracking when ripe; good, mild flavor
Sugar Nut	Johnny's	Canary	medium early	18.0	14.5	yellow-green	very pale green	none	6	7	10.5	6.0	7	14.0	6	F1	Creamy texture
Golden Beauty 229	Johnny's	Canary	medium	22.5	15.0	bright yellow	light green	none	7	6	14.5	6.5	6	11.2	5	F1	Crisp flesh, mild flavor; some fruit rot

¹Direct seeded June 4 with 60" row spacing.

²California shipping types have round, thick-walled fruit that are heavily netted but lack ribbing. Eastern cantaloupes are ribbed, usually larger and thinner walled than California shippers, and generally are very sweet with a strong "musky" flavor. Honeydews and canary melons typically are white- or yellow-skinned, without ribbing, do not "slip" the vine when ripe, and have a crisper texture than cantaloupes. Galia types are of Middle Eastern origin and typically are round with moderate to heavy netting and lime-green flesh. Ananas are Middle Eastern-derived, round and fairly large, with green to golden skin and green to white flesh. They are very sweet but ripen quickly in the field and do not store well. Charentais melons usually are small, with blue-green rind with slight ribbing and orange flesh, do not "slip" the vine when ripe, and have sweet, aromatic flesh.

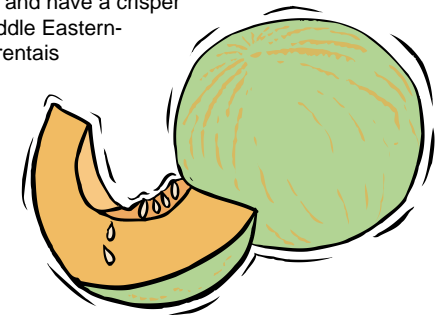
³Netting refers to the "cross-hatch" appearance of the rind, with moderate to heavy netting preferred for shipping melons to prevent damage.

⁴Disease scores based on a 1–9 scale with 9 = severe. Diseases present were angular leaf spot, powdery mildew, and fusarium wilt.

⁵Scores based on a 1–9 scale with 9 = best.

⁶Brix = percent soluble solids (a measure of sweetness; higher numbers indicate sweeter fruit).

⁷F1 = F1 hybrid: the direct result of a cross between two genetically different parents (usually inbred lines)—seed of these varieties will not reproduce true to type; advantages to gardeners include increased uniformity and vigor and often disease resistance. OP = open pollinated: varieties of cross-pollinated crops that will reproduce true to type if isolated from other varieties of the same species.



Melons¹

Variety	Source	Type ²	Maturity	Fruit Length (cm)	Fruit Width (cm)	Rind Color	Flesh Color	Netting ³	Disease ⁴	Yield ⁵	Cavity Length (cm)	Cavity Width (cm)	Flavor ⁵	Brix ⁶	Overall Score ⁵	Cultivar Type ⁷	Notes
Charantais	Nichols	Charentais	very late	12.0	13.5	green mottle	pale orange	none	5	3	6.5	6.5	9	12.0	3	OP	Excellent flavor
Eel River	Seeds of Change	Charentais	medium early	21.5	15.5	light green	light orange	light	6	3	13.0	7.5	6	12.2	5	OP	Light-green fruit have dark-green stripes and spots; almost pear-shaped; poor yield
French Orange	Nichols	Charentais	medium early	13.0	12.0	golden yellow	deep orange	med	6	7	8.0	5.5	6	9.6	6	F1	Fragrant flesh; some fruit rot
Serenade	Johnny's	Charentais	medium	13.5	11.4	cream to yellow	light salmon	none	2	5	8.0	5.5	7	14.0	5	F1	Small fruit, good for single serving; some powdery mildew; some cracking
Earligold	Territorial	Eastern cantaloupe	early	16.0	15.0	tan	med. orange	heavy	8	6	9.0	6.0	2	8.0	2	F1	Vines dying
Motagua	Rogers	Eastern cantaloupe	medium	21.0	17.0	tan	orange	heavy	7	7	14.0	8.0	5	11.0	4	F1	Severe fruit rot
Sweet Granite	Johnny's	Eastern cantaloupe	early	16.5	13.0	yellow-orange	light orange	light	8	6	10.5	6.5	4	10.6	1	OP	Heavy fruit rot
Arava	Territorial	Galia	medium early	17.5	17.0	yellow-green	green	moderate	6	9	10.0	7.5	7	12.0	8	F1	Mild but sweet flavor
Elario	Hazera	Galia	medium early	18.0	17.5	yellow-green	green	moderate	7	8	9.5	6.0	8	11.8	5	F1	Fruit rot and cracking but very good yield and flavor
Galapago 47	Hazera	Galia	medium early	14.5	15.0	bright yellow	light green	none	7	6	14.5	6.5	6	11.2	5	F1	Fruit rot
GM 02-05	D. Palmer	Galia	medium early	14.5	15.0	yellow-green	green	moderate	7	6	7.0	6.5	5	9.6	5	F1	Some fruit rot
GM-02-06	D. Palmer	Galia	medium early	17.0	16.0	yellow-green	green	moderate	6	7	8.0	7.0	5	10.4	7	F1	

¹Direct seeded June 4 with 60" row spacing.

²California shipping types have round, thick-walled fruit that are heavily netted but lack ribbing. Eastern cantaloupes are ribbed, usually larger and thinner walled than California shippers, and generally are very sweet with a strong "musky" flavor. Honeydews and canary melons typically are white- or yellow-skinned, without ribbing, do not "slip" the vine when ripe, and have a crisper texture than cantaloupes. Galia types are of Middle Eastern origin and typically are round with moderate to heavy netting and lime-green flesh. Ananas are Middle Eastern-derived, round and fairly large, with green to golden skin and green to white flesh. They are very sweet but ripen quickly in the field and do not store well. Charentais melons usually are small, with blue-green rind with slight ribbing and orange flesh, do not "slip" the vine when ripe, and have sweet, aromatic flesh.

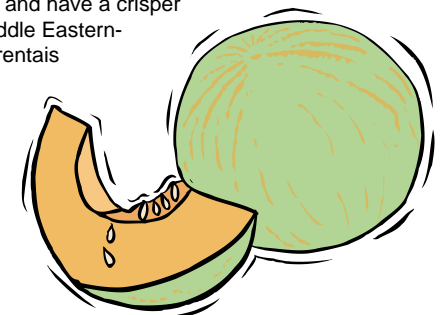
³Netting refers to the "cross-hatch" appearance of the rind, with moderate to heavy netting preferred for shipping melons to prevent damage.

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⁵Scores based on a 1–9 scale with 9 = best.

⁶Brix = percent soluble solids (a measure of sweetness; higher numbers indicate sweeter fruit).

⁷F1 = F1 hybrid: the direct result of a cross between two genetically different parents (usually inbred lines)—seed of these varieties will not reproduce true to type; advantages to gardeners include increased uniformity and vigor and often disease resistance. OP = open pollinated: varieties of cross-pollinated crops that will reproduce true to type if isolated from other varieties of the same species.



Melons¹

Variety	Source	Type ²	Maturity	Fruit Length (cm)	Fruit Width (cm)	Rind Color	Flesh Color	Netting ³	Disease ⁴	Yield ⁵	Cavity Length (cm)	Cavity Width (cm)	Flavor ⁵	Brix ⁶	Overall Score ⁵	Cultivar Type ⁷	Notes
Makdimon Improved	Hazera	Galia	early	15.0	15.5	yellow-green	light green	moderate	8	7	9.0	6.0	2	5.0	3	F1	Poor flavor, low sugar
HDM-02-02	D. Palmer	Honeydew	medium late	19.5	17.5	light green	green	light	5	5	11.5	9.0	7	15.0	6	F1	Some fruit rot; crisp flesh; pleasant flavor
Honey Ace	Takii	Honeydew	medium	19.5	17.0	light green	light green	light	8	3	10.5	7.5	6	12.0	2	F1	Severe fruit rot
Honey Brew	Sakata	Honeydew	late	24.0	18.5	light green	green	slight	2	6	14.5	9.0	9	14.0	7	F1	Excellent flavor
Honey Orange	Johnny's	Honeydew	medium early	20.0	16.5	cream	light orange	very light	8	6	12.5	8.0	9	14.2	7	F1	Some splitting; excellent eating quality
Magic-to-Dew	Abbott & Cobb	Honeydew	medium late	23.0	18.0	light green	green	slight	2	7	14.5	8.0	7	12.6	7	F1	
Megabrew	Sakata	Honeydew	medium	22.5	18.5	light green	green	light	5	6	14.0	9.0	5	9.4	5	F1	Crisp flesh

¹Direct seeded June 4 with 60" row spacing.

²California shipping types have round, thick-walled fruit that are heavily netted but lack ribbing. Eastern cantaloupes are ribbed, usually larger and thinner walled than California shippers, and generally are very sweet with a strong "musky" flavor. Honeydews and canary melons typically are white- or yellow-skinned, without ribbing, do not "slip" the vine when ripe, and have a crisper texture than cantaloupes. Galia types are of Middle Eastern origin and typically are round with moderate to heavy netting and lime-green flesh. Ananas are Middle Eastern-derived, round and fairly large, with green to golden skin and green to white flesh. They are very sweet but ripen quickly in the field and do not store well. Charentais melons usually are small, with blue-green rind with slight ribbing and orange flesh, do not "slip" the vine when ripe, and have sweet, aromatic flesh.

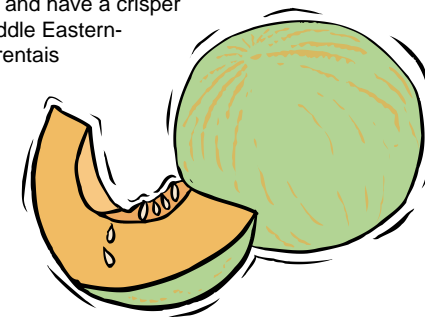
³Netting refers to the "cross-hatch" appearance of the rind, with moderate to heavy netting preferred for shipping melons to prevent damage.

⁴Disease scores based on a 1–9 scale with 9 = severe. Diseases present were angular leaf spot, powdery mildew, and fusarium wilt.

⁵Scores based on a 1–9 scale with 9 = best.

⁶Brix = percent soluble solids (a measure of sweetness; higher numbers indicate sweeter fruit).

⁷F1 = F1 hybrid: the direct result of a cross between two genetically different parents (usually inbred lines)—seed of these varieties will not reproduce true to type; advantages to gardeners include increased uniformity and vigor and often disease resistance. OP = open pollinated: varieties of cross-pollinated crops that will reproduce true to type if isolated from other varieties of the same species.



Onions, Red¹

Variety	Source	Maturity	Exterior Color ²	Interior Color ²	Length (cm)	Width (cm)	Shape	Storage ³	Plant Vigor ⁴	Overall Score ⁴	Cultivar Type ⁵	Notes
Bennie's Red	Sunseeds	medium	5	3	9.5	7.5	oblong	9	2	7	OP	Interior color is patchy and highly variable
Flamenco	Sunseeds	late	7	9	7.5	7.0	round	8	9	8	F1	Variable size
Red Baron	Bejo	medium	9	9	8.5	7.5	slightly oblong	3	2	3	F1	Good color; poor storage ability
Red Beauty	Bejo	late	7	7	10.0	9.0	slightly oblong	8	5	8	F1	
Red Long of Tropea	Johnny's	medium	3	4	11.5	6.5	torpedo	1	5	1	OP	Very large center; not for storage
Red Wethersfield	Sunseeds	medium	9	9	6.5	9.5	oblate	8	2	9	OP	Excellent, uniform color
Redwing	Bejo	medium	9	8	10.0	9.0	slightly elongated, pointed	7	4	8	F1	
Rossa di Milano	Seeds of Change	late	4	6	8.0	8.5	slightly oblong	8	1	5	OP	Multiple large centers
Rumba	Sunseeds	late	7	4-8	8.5	8.0	round	5	8	5	F1	Variable interior color
Salsa	Sunseeds	late	6	7	9.0	8.5	round	2	2	3	F1	poor storage ability
Southport Red Globe	Seeds of Change	late	5	6	7.5	8.0	close to round	8	5	6	OP	

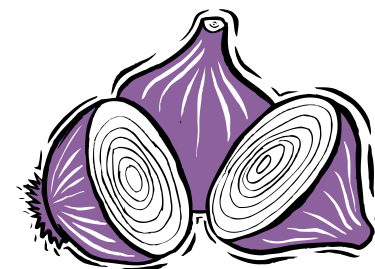
¹Direct seeded May 11. Storage notes taken January 6, 2005.

²Scores based on a 1–9 scale with 9 = best (darkest and most uniform).

³Scores based on a 1–9 scale with 1 = all bulbs sprouted and 9 = no sprouting and bulbs showing no signs of softening or rot.

⁴Scores based on a 1–9 scale with 9 = best.

⁵F1 = F1 hybrid: the direct result of a cross between two genetically different parents (usually inbred lines)—seed of these varieties will not reproduce true to type; advantages to gardeners include increased uniformity and vigor and often disease resistance. OP = open pollinated: varieties of cross-pollinated crops that will reproduce true to type if isolated from other varieties of the same species.



Peppers, Bell¹

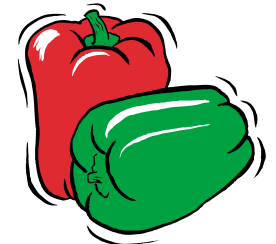
Variety	Source	Maturity	Immature Color	Mature Color	Fruit Length (cm)	Fruit Width (cm)	Plant Height (cm)	Plant Width (cm)	Flesh Thickness	Sunscald ²	Overall Score ³	Cultivar Type ⁴	Notes
8600	Abbott & Cobb	medium	green	golden-orange	10.5	11.0	54	62	6	3	5	F1	Crisp flesh; tart flavor
ACR 252	Abbott & Cobb	medium early	green	red	12.0	9.5	51	79	9	3	5	F1	Flared bell; good flavor; good yield
ACX 238	Abbott & Cobb	medium	green	red	11.5	9.0	42	61	8	1	7	F1	Fair flavor; no fruit rot
Blushing Beauty	Nichols	medium	ivory	red	11.0	10.0	52	63	8	1	7	F1	Fruit seems to rot as it ripens; fair flavor
Conquest	Harris	medium late	green	red	11.0	11.0	35	47	7	5	4	F1	Plants lodging; good flavor
Corona	Johnny's	medium early	green	orange	9.5	8.5	50	57	7	3	8	OP	Excellent flavor
Desert Belle	Abbott & Cobb	medium late	green	red	13.0	8.0	71	60	8	3	4	F1	Plants are lodging and have broken branches; bland flavor
Double Up	Sakata	medium	green	red	11.0	10.5	61	61	8	3	5	F1	Uniform interior color; soft fruit; flavor sweet but bland
Early Sunsatation	Nichols	medium	green	golden-yellow	10.0	9.0	41	52	8	7	4	F1	Plants lodging; heavy yield
Enterprise	Osborne	medium	green	red	11.5	9.5	60	66	6	7	6	F1	Fair flavor
Espada	Abbott & Cobb	medium late	green	red	17.0	9.0	51	59	7	1	5	F1	Good flavor
Excursion II	Abbott & Cobb	medium	green	red	11.0	9.5	56	60	8	3	7	F1	Upright plants with good fruit cover; excellent flavor
Fat 'N Sassy	Nichols	medium early	green	red	10.5	10.5	49	75	7	5	7	F1	Flared bell; good yield; good flavor
Flamingo	Harris Moran	early	yellow-green	red	14.0	8.0	42	63	8	3	8	F1	Nice interior red color; soft texture; bland flavor
Heritage	Harris	medium late	green	red	11.5	11.0	58	56	9	3	4	F1	Brittle plant with broken branches; pale interior color; fair flavor
Honeybelle	Harris Moran	medium	green	yellow-gold	14.0	8.5	46	71	6	1	6	F1	Good fruit cover; fair yield; bland flavor
Jupiter	Park	late	green	red	10.5	8.5	50	54	5	2	7	F1	Blocky fruit; good flavor; good yield

¹Transplants set out May 25.

²Sunscald of fruit, scores based on 1–9 scale with 1 = least sunscald and 9 = most.

³Scores based on 1–9 scale with 9 = best.

⁴F1 = F1 hybrid: the direct result of a cross between two genetically different parents (usually inbred lines)—seed of these varieties will not reproduce true to type; advantages to gardeners include increased uniformity and vigor and often disease resistance. OP = open pollinated: varieties of cross-pollinated crops that will reproduce true to type if isolated from other varieties of the same species. (Peppers are self-pollinated but have a high degree of out-crossing so must be isolated if seed is to be saved.)



Peppers, Bell¹

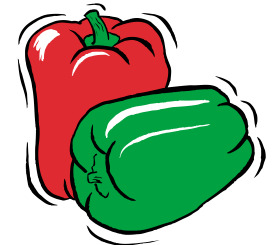
Variety	Source	Maturity	Immature Color	Mature Color	Fruit Length (cm)	Fruit Width (cm)	Plant Height (cm)	Plant Width (cm)	Flesh Thick-ness	Sun-scald ²	Overall Score ³	Cultivar Type ⁴	Notes
Patriot	Harris	medium	green	dark red	11.0	9.5	66	62	9	5	7	F1	Excellent flavor; lodging
Prince	Harris Moran	medium	green	yellow	13.5	11.0	62	66	8	3	7	F1	Good, sweet flavor; fruit rot
Queen	Territorial	medium	green	orange	9.0	9.5	39	58	8	5	6	F1	Uniform interior color; nice flavor
Snow White	Nichols	medium late	ivory	orange-red	12.5	9.0	49	57	9	3	5	F1	Poor flavor
Super Heavy Weight	Nichols	late	green	yellow-gold	18.0	12.0	60	83	7	3	4	F1	Sharp flavor with no sweetness
Super Set	Sakata	medium	green	red	8.5	7.5	54	72	5	1	5	F1	Good flavor
Tequila	Osborne	medium early	lilac	red	15.0	7.0	52	54	4	3	7	F1	Variable fruit size and shape; good flavor; lodging
Valencia	Harris	medium late	green	orange	9.0	9.0	52	48	7	5	4	F1	Bland flavor

¹Transplants set out May 25.

²Sunscald of fruit, scores based on 1–9 scale with 1 = least sunscald and 9 = most.

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Peppers, Miscellaneous¹

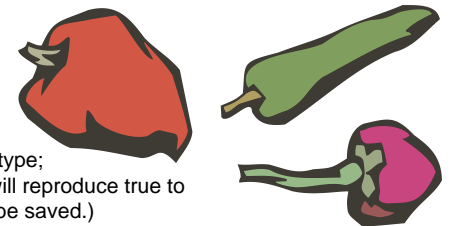
Variety	Source	Type	Maturity	Immature Color	Mature Color	Fruit Length (cm)	Fruit Width (cm)	Plant Height (cm)	Plant Width (cm)	Flesh Thickness (mm)	Sun-sca ²	Overall Score ³	Cultivar Type ⁴	Notes
Bananarama	Burpee	banana	very late	yellow	red	30.0	4.0	45	74	3	1	5	F1	Sweet
Andy	Johnny's	cayenne	medium early	green	red	20.0	2.0	50	39	1	1	8	F1	Upright plants; good yield; moderately hot
Cayenne Long Stem	Nichols	cayenne	medium early	green	red	11.0	1.8	33	53	1	1	7	OP	Relatively mild
Cheese Pepper	Jim Myers (OSU)	cheese pepper	medium	green	red	5.0	8.0	42	62	3	5	5	OP	Slightly hot; good flavor
Round of Hungary	Johnny's	cheese pepper	medium	green	dark red	4.5	9.0	32	50	6	3	8	OP	Excellent flavor; lodging; good yield
Hot Paper Lantern	Johnny's	habanero	medium late	green	red-orange	9.0	3.0	67	102	2	1	7	OP	Vigorous plants with good yield; hot
Bulgarian Carrot	Territorial Hungarian	paprika	medium early	green	orange	7.5	3.0	41	45	3	3	6	OP	Very seedy; tough skin; moderately hot
Caldero	Orsetti	Hungarian wax	medium	yellow	red	9.0	3.0	55	64	2	1	5	F1	Moderately hot
Inferno	Seminis	Hungarian wax	medium early	yellow	red	23.0	5.0	52	64	4	3	6	F1	Moderately hot; lodging
Volcano	Harris Moran	Hungarian wax	medium	yellow	red	16.0	5.0	55	72	4	1	5	F1	Heat in placenta and seed; good yield
Giant Marconi	Nichols	Italian sweet	medium	green	red	20.0	5.5	52	72	5	1	7	F1	Sweet
ASX25 3XR	Osborne	jalapeño	late	green	red	10.5	3.0	71	66	6	1	5	F1	Good flavor, sweet and moderately hot; good yield
Conchos	Orsetti	jalapeño	medium	green	red	9.5	4.0	52	54	7	1	5	F1	Concentric cracking; lodging
Early Jalapeño	Nichols	jalapeño	medium	green	red	6.5	3.0	56	52	4	1	7	OP	Good flavor; slightly hot
Mitla	Seminis	jalapeño	late	green	red	11.0	3.0	69	72	4	1	5	F1	Good flavor; moderately hot
Tam Jalapeño #1	Seminis	jalapeño	medium late	green	red	6.5	2.5	28	47	4	1	6	OP	Sweet and medium hot; lodging
VTR 195	Orsetti	jalapeño	medium early	green	red	8.5	2.5	49	47	3	1	6	F1	Hot but poor flavor
Pizza	OSU	sweet jalapeño	late	green	red	12.0	4.5	43	64	5	1	6	OP	Good flavor with a little heat; heavy yield; very thick walls

¹Transplants set out May 23.

²Sunscald of fruit, scores based on 1–9 scale with 1 = least sunscald and 9 = most.

³Overall score includes fruit score plus yield and plant architecture. 1–9 scale with 9 = best.

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Peppers, Miscellaneous¹

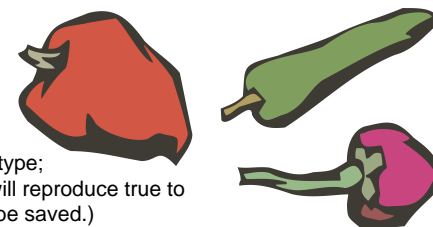
Variety	Source	Type	Maturity	Immature Color	Mature Color	Fruit Length (cm)	Fruit Width (cm)	Plant Height (cm)	Plant Width (cm)	Flesh Thickness (mm)	Sun-sca ²	Overall Score ³	Cultivar Type ⁴	Notes
Solar	Danson	wax jalapeño	medium late	yellow	red	9.5	3.5	26	56	4	1	5	F1	Sweet; poor growth habit with lodging; good yield
Black Hungarian	Territorial	ornamental jalapeño	late	purple	red	7.5	2.5	64	55	3	1	5	OP	Ornamental purple flowers; tough skin; medium hot; poor plant vigor
Marbles	OSU	ornamental	medium early	pale green to purple	red	1.7	1.7	28	31	1	1	7	OP	Small, round fruit that changes from green to yellow to purple to orange to red, with all colors present on plant at once
Riot	OSU	ornamental	medium early	pale green to yellow	orange-red	6.5	1.8	23	27	1	1	7	OP	Compact plants; erect, chili-shaped fruit; very prolific
Tiburón	Harris	poblano	very late	green	red-brown	15.5	8.5	62	83	4	7	3	F1	Good flavor
Ventura	Orsetti	poblano	late	dark green	brown	17.0	7.0	67	85	5	1	6	F1	Good flavor with some heat
Autopick	Territorial	large serrano	medium early	light green	red	6.5	2.0	54	54	3	1	7	OP	Medium hot; very soft flesh
Gypsy	Nichols	pointed bell	medium early	yellow	red	13.0	6.0	49	66	4	1	9	F1	Excellent flavor; good yield

¹Transplants set out May 23.

²Sunscald of fruit, scores based on 1–9 scale with 1 = least sunscald and 9 = most.

³Overall score includes fruit score plus yield and plant architecture. 1–9 scale with 9 = best.

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Spinach¹

Variety	Source	Leaf Type	Vigor ²	Downy Mildew	Overall ²	Cultivar Type ³	Notes
Jive	Nichols	savoy	7	no	7	F1	
7-Green	Johnny's	smooth	5	some	3	F1	Very prostrate
Oriental Giant	Nichols	smooth	9	no	8	F1	Large plants with large leaves; good color and flavor
Renegade	Bejo	smooth	3	no	4	F1	Lower leaves yellowing
Rushmore	Sakata	smooth	7	no	7	F1	Some leaf yellowing
Space	Bejo	smooth	5	no	6	F1	Upright growth; large leaves
Spaulding	Bejo	smooth	3	no	4	F1	
Spinnaker	Bejo	smooth	4	no	4	F1	

¹Direct seeded July 24.

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Squash, Winter¹

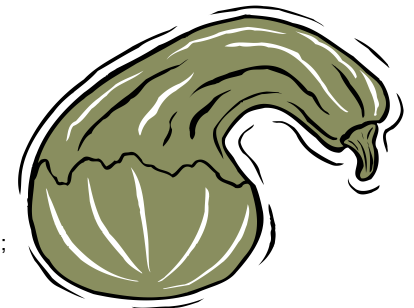
Variety	Source	Species	Type	Skin color	Flesh color	Length (cm)	Width (cm)	Flesh Thickness (cm)	Yield ²	Vigor ²	Disease ³	Overall ²	Cultivar Type ⁴	Notes
Burpee Butterbush	Burpee	moschata	butternut	tan	orange	26.5	10.0	1.5	5	3	9 ALS	4	OP	Bush-type plant
Early Butternut	Nichols	moschata	butternut	tan	orange	23.5	11.5	2.0	3	5	8 ALS	4	F1	Fruit cracking
JWS 6823	Johnny's	moschata	butternut	tan	orange	22.0	10.5	2.0	6	7	4 ALS	6	F1	
JWS 6858	Johnny's	moschata	butternut	tan	orange	21.5	12.0	2.5	7	7	7 ALS	5	F1	Some fruit cracking
Tahitian	Harris	moschata	butternut	green-gold	orange	72.0	13.0	3.0	5	9	5 ALS	5	OP	Late
Bonbon	Johnny's	maxima	buttercup	dark green	yellow	14.0	19.0	4.0	7	9	7 mildew, ALS	8	F1	Semi-bush plant; fine flesh; solid

¹Direct seeded June 4 in 60" rows.

²Scores based on a 1–9 scale with 9 = best or most vigorous.

³Scores based on a 1–9 scale with 9 = severe. Diseases present were angular leaf spot (ALS) and powdery mildew.

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Tomatoes¹

Variety	Source	Type	Maturity	Vine Type ²	Shoulder ³	Fruit Height (cm)	Fruit Width (cm)	Fruit Color	Leaf Cover ⁴	Sunburn ⁵	Cracking ⁶	Yield Efficiency ⁷	Flavor ⁴	Overall ⁴	Cultivar Type ⁸	Notes ⁹
Delight Gardeners	Burpee	cherry	early	I	GS	3.0	3.5	red	6	5	8	8	5	6	PL	Early blight present
Gold Nugget	OSU	cherry	very early	D	GS	3.0	3.0	golden-yellow	2	8	8	8	6	7	PL	Severe early blight; productive with very concentrated set; strong tendency for seedless fruit
Marcellino	Bejo	cherry	medium	I	UR	2.5	3.0	red	6	6	8	7	6	6	F1	Early blight present; sprawling plant; tough skin; large clusters of fruit
Oregon Cherry	OSU	cherry	very early	D	GS	3.5	4.0	red	3	5	7	7	6	5	PL	Early blight present; compact plant; early, concentrated yield
Snow White	Territorial	cherry	medium	I	GS	3.5	3.5	lemon-yellow	3	8	8	6	4	4	PI	Early blight present; very sprawling, open plant; bland flavor
Sun Gold	Territorial	cherry	early	I	GS	2.5	2.5	orange	7	8	5	8	8	8	F1	Early blight present; fruit splits when ripe; excellent flavor, sweet and moderately acid
Supersweet 100	Rogers	cherry	medium early	I	UR	2.8	2.8	red	8	8	8	7	7	8	F1	Sprawling plant; very sweet
Sweet Baby Girl	Seminis	cherry	early	I	UR	3.0	3.0	red	5	7	8	8	7	7	F1	Early blight present; very sweet
Large German Cherry	OSU	large cherry	medium	I	UR	4.0	4.5	red	5	5	8	8	7	6	PL	Early blight and other foliar diseases present; large fruit clusters; flavor is sweet and mildly acid
Charm	Bejo	sauce	medium	I	UR	7.0	5.0	red	2	5	7	8	4	5	F1	Early blight present; heavy crown set; exposed fruit; not very solid for a sauce tomato
Monica	Osborne	sauce	medium	D	UR	8.5	6.5	red	5	5	9	8	7	6	F1	Very firm fruit with good, acid flavor
Oroma	OSU	sauce	medium	D	UR	9.0	4.0	red	6	6	7	8	4	7	PL	Early blight present; concentrated yield of firm, long-keeping fruit; sparsely seedy; classic Roma shape

¹Transplants set out May 25 in 60" rows with 24" between plants.

²Vine type: I = indeterminate, D = determinate, SD = semi-determinate.

³Shoulder: UR = uniform ripening, GS = green shouldered.

⁴Scores based on 1–9 scale with 9 = best cover.

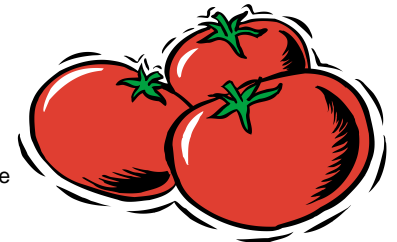
⁵Scores based on 1–9 scale with 9 = best; i.e., least sunburn.

⁶Scores based on 1–9 scale with 9 = best; i.e., least cracking.

⁷Yield efficiency refers to the ratio of yield to plant size; scores based on 1–9 scale with 9 = best (highest ratio).

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⁹Multilocular tomatoes have more than the usual three or four locules (internal chambers); radial cracking refers to cracks on the shoulder of the fruit that start at the core and are perpendicular to the ground—they often are deep and can seriously affect fruit quality; concentric cracking runs around the fruit parallel to the ground (often just an arc rather than a complete circle) and usually is confined to the surface. Cat facing is unsightly scarring or distortion on the blossom end of the fruit.



Tomatoes¹

Variety	Source	Type	Maturity	Vine Type ²	Shoulder ³	Fruit Height (cm)	Fruit Width (cm)	Fruit Color	Leaf Cover ⁴	Sunburn ⁵	Cracking ⁶	Yield Efficiency ⁷	Flavor ⁴	Overall ⁴	Cultivar Type ⁸	Notes ⁹
Roma	Nichols	sauce	medium	I	UR	7.5	5.0	red	7	4	8	7	4	6	PL	Early blight present; highly variable maturity; solid fruit; bland flavor
Saucy	OSU	sauce	medium	D	UR	7.0	6.0	red	5	5	7	9	5	7	PL	Severe early blight; concentrated yield of long-keeping fruit; thick walls; sparsely seedy
Sun 0289	Sunseeds	sauce	medium	I	UR	7.0	5.0	red	7	7	9	8	7	7	F1	Classic Roma shape; firm fruit
Oregon Pride	OSU	sauce/slicer	early	D	UR	8.0	7.0	red	4	4	4	4	6	3	PL	Early blight present; solid, multilocular fruit; long keeping; strong tendency to seedless fruit
Oregon Star	OSU	sauce/slicer	medium early	D	UR	10.0	8.0	red	5	5	8	7	6	5	PL	Early blight present; similar to Oregon Pride; slightly later and slightly larger
Acclaim	Osborne	slicer	medium	D	UR	7.0	10.0	red	6	7	7	8	6	7	F1	Very solid; some rough fruit; minor cat facing
BHN 358	BHN	slicer	medium	D	UR	8.0	11.0	red	4	3	4	6	4	4	F1	Early blight present; sparsely seedy; firm fruit
BHN 359	BHN	slicer	medium	D	UR	9.0	10.5	red	3	3	5	7	5	4	F1	Severe early blight and other foliar disease; rough fruit; poor color
BHN 363	BHN	slicer	medium	D	UR	8.0	10.0	red	5	5	4	6	5	5	F1	Severe early blight; firm fruit; acidic
BHN 377	BHN	slicer	medium	D	UR	7.0	10.0	red	5	4	7	7	3	4	F1	Severe early blight and some powdery mildew; solid; mealy texture; not sweet
Big Beef	Nichols	slicer	medium	I	UR	7.5	10.5	red	3	3	6	6	5	5	F1	Early blight and other foliar diseases present
Brandy Boy	Burpee	slicer	late	I	UR	6.5	12.0	pink	6	4	8	7	6	3	F1	Early blight present; rough fruit; fruit rot

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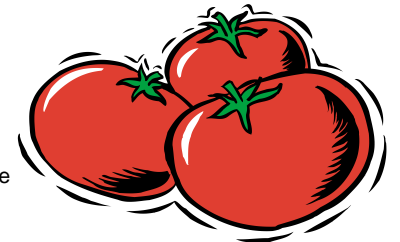
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Tomatoes¹

Variety	Source	Type	Maturity	Vine Type ²	Shoulder ³	Fruit Height (cm)	Fruit Width (cm)	Fruit Color	Leaf Cover ⁴	Sunburn ⁵	Cracking ⁶	Yield Efficiency ⁷	Flavor ⁴	Overall ⁴	Cultivar Type ⁸	Notes ⁹
Burpee's Big Boy	Burpee	slicer	medium	I	GS	7.0	11.0	red	3	3	4	4	4	3	F1	Severe early blight and other foliar disease; rough fruit with cat facing
Carmello	Nichols	slicer	medium	I	GS	6.5	9.0	red	7	5	5	7	8	6	F1	Early blight present; concentric cracking; sweet
Caro Rich	Nichols	slicer	late	I	UR	6.0	7.0	orange	5	5	7	5	6	5	PL	Early blight present; rough fruit; attractive orange flesh
Celebrity	Nichols	slicer	medium	SD	GS	6.5	8.0	red	5	5	3	7	6	4	F1	Early blight present; concentric and radial cracking; some cat facing
Early Girl	Territorial	slicer	medium early	I	GS	5.5	8.0	red	7	7	8	8	8	8	F1	Early blight and powdery mildew present
Equinox	Agrisales	slicer	medium	D	UR	7.0	9.5	red	6	6	7	7	6	6	F1	Moderate cat facing
Evergreen	Nichols	slicer	medium	I	GS	8.0	12.0	golden-green	4	6	6	5	6	4	PL	Very severe early blight and other foliar diseases present; fruit rot; rough, many lobed fruit; cat facing
Floralina	Seminis	slicer	late	D	UR	8.0	10.5	red	6	6	7	7	5	6	F1	Early blight present
Glory	Nichols	slicer	medium	I	GS	7.0	10.0	red	7	6	5	6	6	6	F1	Firm fruit; sets fruit over long period
Health Kick	Burpee	slicer	medium	D	UR	7.0	5.5	red	5	6	8	8	5	7	F1	Early blight present; firm fruit with two locules
Legend	OSU	slicer	early	D	UR	6.0	8.0	red	6	6	5	6	6	6	PL	Early blight present; concentrated early yield of large fruit; strong tendency for seedless fruit; late blight resistant
Lemon Boy	Nichols	slicer	late	I	UR	7.0	10.0	golden-yellow	6	7	7	6	5	6	F1	Early blight present; firm fruit; attractive color; meaty texture
Medford	OSU	slicer	medium	D	UR	7.0	9.0	red	6	5	5	7	5	5	PL	Early blight present

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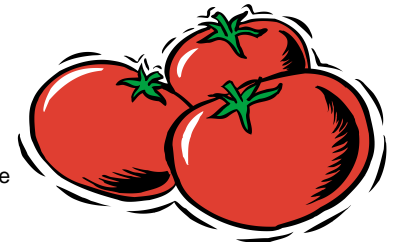
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Tomatoes¹

Variety	Source	Type	Maturity	Vine Type ²	Shoulder ³	Fruit Height (cm)	Fruit Width (cm)	Fruit Color	Leaf Cover ⁴	Sunburn ⁵	Cracking ⁶	Yield Efficiency ⁷	Flavor ⁴	Overall ⁴	Cultivar Type ⁸	Notes ⁹
Mountain Crest	Sunseeds	slicer	medium	D	UR	7.5	10.0	red	5	4	8	7	4	5	F1	Early blight present; some rough fruit; firm; not sweet
New Girl	Johnny's	slicer	medium early	I	UR	6.0	8.5	red	4	3	7	7	7	5	F1	Early blight and other foliar diseases present; firm fruit; good flavor
Orange Blossom	Johnny's	slicer	medium	D	UR	7.0	9.5	orange	1	3	8	6	6	4	F1	Very severe early blight and other foliar diseases present; firm fruit; some cat facing; mild, sweet flavor
Oregon Spring	OSU	slicer	medium early	D	GS	6.0	8.0	red	4	5	7	7	6	4	PL	Severe early blight; concentrated yield; strong tendency for seedless fruit; good, meaty texture; some rough fruit and blossom-end scarring
Ornata	Rogers	slicer	late	D	UR	8.0	11.0	red	7	7	7	8	3	5	F1	Early blight present; some rough fruit; orange-red interior; firm
Pik Red	Harris	slicer	medium	D	GS	6.0	8.5	red	4	5	4	7	5	4	F1	Early blight and other foliar diseases present; meaty
Pink Beauty	Johnny's	slicer	medium	I	GS	7.0	10.0	pink	8	7	6	7	7	5	F1	Firm fruit with good, rich flavor
Quick Pick	Territorial	slicer	late	I	GS	6.0	9.0	red	3	4	5	5	5	5	PL	Early blight and other foliar disease
Santiam	OSU	slicer	early	D	UR	5.0	8.0	red	?	5	5	5	6	6	PL	Very severe early blight; similar to Oregon Spring; slightly earlier and slightly smaller
Scotia	Territorial	slicer	medium early	D	GS	5.0	7.5	red	1	3	7	7	6	3	PL	Very severe early blight and other foliar disease; firm fruit
Show Girl	Sunseeds	slicer	late	D	UR	7.0	10.5	red	7	6	5	7	5	7	F1	Small locules; firm fruit
Siletz	OSU	slicer	early	D	UR	6.0	8.0	red	4	3	5	6	6	5	PL	Early blight present; concentrated early yield; strong tendency for seedless fruit; many rough fruit

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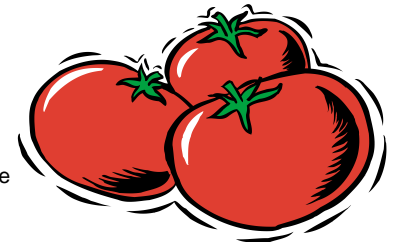
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Tomatoes¹

Variety	Source	Type	Maturity	Vine Type ²	Shoulder ³	Fruit Height (cm)	Fruit Width (cm)	Fruit Color	Leaf Cover ⁴	Sunburn ⁵	Cracking ⁶	Yield Efficiency ⁷	Flavor ⁴	Overall ⁴	Cultivar Type ⁸	Notes ⁹
Sunchief	Harris	slicer	medium	D	UR	8.0	11.0	red	4	4	6	8	5	5	F1	Early blight present; very good yield; moderate amount of fruit rot; firm fruit; little sweetness
Sunshine	Harris	slicer	medium	I	UR	8.0	11.0	red	3	3	7	8	6	5	F1	Compact plant with very good yield; some early blight and other foliar disease; firm fruit
Super Tasty	Burpee	slicer	late	D	UR	8.0	11.0	red	4	3	7	7	4	4	F1	Severe early blight; bland flavor
Torbay	Bejo	slicer	late	D	UR	6.5	8.5	pink	7	5	7	6	4	6	F1	Early blight present; firm fruit
Willamette	OSU	slicer	medium	D	UR	6.0	8.0	red	6	4	7	7	6	5	PL	Early blight present; smooth, solid fruit; mild, low-acid flavor; some concentric cracking
Fourth of July	Burpee	small slicer	early	I	GS	5.0	5.0	red	7	7	6	7	6	6	F1	Soft fruit; smooth; uniform; sweet; rank vine
Glacier	Territorial	small slicer	very early	I	GS	4.5	5.0	red	6	3	7	6	8	6	PI	Good, sweet flavor
IPB	OSU	small slicer	very early	I	GS	4.5	5.5	red	4	3	8	6	7	5	PL	Early blight present; open vine with poor leaf cover; soft fruit
Matina	Territorial	small slicer	early	I	UR	5.0	5.5	red	2	6	7	7	7	6	PL	Early blight present; soft fruit; good, sweet/tart flavor
Tasty	Bejo	small slicer	medium	I	UR	5.5	6.5	red	3	5	7	8	5	5	F1	Early blight present; heavy crown fruit set; soft fruit
Black	Territorial	heirloom slicer	medium	I	GS	7.0	10.0	reddish-brown	3	3	3	3	7	2	PI	Early blight present; rough fruit; lots of fruit rot; soft; good, sweet flavor
Black Prince	Nichols	heirloom slicer	late	I	GS	6.5	7.0	reddish-brown	7	4	2	6	4	2	PL	Very severe early blight and other foliar diseases present; fruit rot; bland flavor

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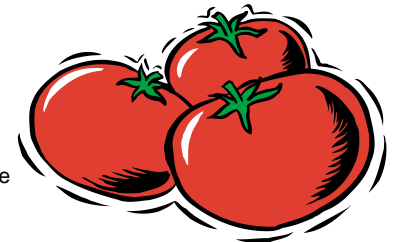
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Tomatoes¹

Variety	Source	Type	Maturity	Vine Type ²	Shoulder ³	Fruit Height (cm)	Fruit Width (cm)	Fruit Color	Leaf Cover ⁴	Sunburn ⁵	Cracking ⁶	Yield Efficiency ⁷	Flavor ⁴	Overall ⁴	Cultivar Type ⁸	Notes ⁹
Brandywine	Territorial	heirloom slicer	late	I	UR	7.5	13.0	pink	2	5	7	6	7	3	PI	Early blight present; fruit rot; rough fruit with cat facing; solid
Brandywine	Burpee	heirloom slicer	late	I	GS	6.0	14.0	pink	7	7	5	5	7	3	PI	Early blight present; rough fruit but solid, with many small locules
Brandywine	Johnny's	heirloom slicer	medium	I	GS	8.0	12.0	pink	6	4	3	5	8	6	PI	Early blight present; smoother fruit than other strains of Brandywine; nice, acid/sugar balance to flavor
Cherokee Purple	Territorial	heirloom slicer	medium	I	GS	6.0	9.5	dark pink	2	3	4	3	5	1	PI	Very severe early blight and other foliar diseases present; fruit rot; poor yield
Gold Medal	Territorial	heirloom slicer	late	I	GS	8.0	14.0	golden-orange	3	6	6	2	4	3	PI	Early blight and other foliar disease; rough fruit; solid; low acid
Mortgage Lifter	Nichols	heirloom slicer	medium	I	UR	7.0	11.0	pink	2	3	3	5	4	3	PL	Severe early blight and other foliar diseases; rough fruit; lots of fruit rot; very solid; bland flavor
Pink Accordion	Territorial	heirloom slicer	medium	I	UR	6.5	12.0	pink	2	4	8	4	3	3	PI	Deeply indented, scalloped fruit can be broken into segments; fruit rot; foliar disease; bland
Pruden's Purple	Johnny's	heirloom slicer	medium	I	GS	7.5	11.0	dark pink	2	4	5	3	5	3	PL	Early blight present; rough fruit; sprawling plant; lots of fruit rot; solid; bland flavor
Purple Calabash	Territorial	heirloom slicer	late	I	GS	4.5	8.0	reddish-purple	3	4	6	4	4	4	PI	Very severe early blight; ribbed fruit; dark-purple interior; fruit rot; flavor is sour/acidic with low sugar
Rose	Johnny's	heirloom slicer	medium	I	GS	9.5	11.0	pink	5	5	3	3	4	4	PL	Early blight present; very meaty; locules are few and small

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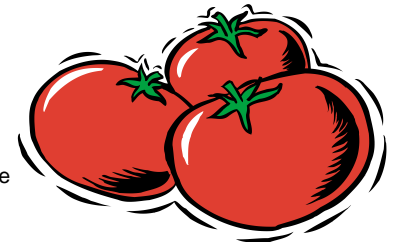
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Tomatoes¹

Variety	Source	Type	Maturity	Vine Type ²	Shoul-der ³	Fruit Height (cm)	Fruit Width (cm)	Fruit Color	Leaf Cover ⁴	Sun-burn ⁵	Crack-ing ⁶	Yield Effici-ency ⁷	Flavor ⁴	Overall ⁴	Cultivar Type ⁸	Notes ⁹
Seattle's Best of All	Territorial	heirloom slicer	medium	I	UR	5.5	7.0	red	8	6	5	7	4	6	PL	Rough, soft fruit; sprawling plant
Striped German	Johnny's	heirloom slicer	late	I	GS	8.5	13.0	red and gold striped	3	5	3	3	5	4	PL	Severe early blight; rough fruit; lots of fruit rot; interior color is yellow with red marbling; mild flavor
Yellow Brandywine	Nichols	heirloom slicer	late	I	UR	7.5	12.0	golden-orange	3	7	7	4	3	3	PL	Early blight present; sprawling, open plant; rough fruit with cat facing; lots of fruit rot; meaty
Black Plum	Territorial	heirloom small slicer	medium early	I	GS	5.0	4.0	reddish-brown	4	4	7	7	7	3	PL	Early blight present; lots of fruit rot; very meaty; flavor sweet and tart
Tiger-like	Territorial	heirloom small slicer	medium early	I	UR	5.5	6.0	red with yellow streaks	4	6	6	6	5	4	PL	Early blight present; soft fruit with two locules; sweet

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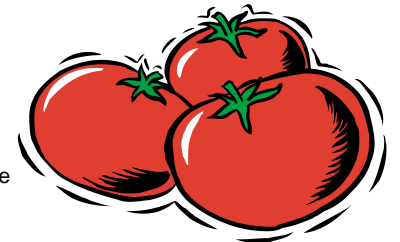
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Watermelons¹

Variety	Source	Maturity	Flesh Color	Rind Color	Fruit Length (cm)	Fruit Width (cm)	Rind Thickness (cm)	Seed Color	Disease ²	Yield ³	Brix ⁴	Flavor ³	Overall Score ³	Cultivar Type ⁵	Notes ⁶
ACX 570T	Abbott & Cobb	medium	red	medium green with light green mottle	26.0	24.5	2.1	seedless	5	5	12.6	9	6	F1	Nearly round fruit; some hollowness; excellent flavor
Afternoon Delight	D. Palmer	medium	deep red	light green with medium green stripes	27.0	20.5	1.4	seedless	4	4	9.4	3	4	F1	Little disease but poor flavor; chewy texture
Black Seeded Ice Cream	OSU	medium late	red	creamy green with light green stripes	22.5	22.5	1.5	black	2	8	10.6	4	7	OP	Round fruit; good disease resistance and yield
Butterball	D. Palmer	medium late	yellow	light green with dark green stripes	21.0	22.0	2.0	seedless	6	7	11.8	4	4	F1	Round fruit of variable size; chewy, firm texture
Constitution	Sunseeds	medium early	red	green with broad stripes	24.5	25.0	1.0	seedless	7	3	12.0	8	4	F1	Round fruit; interior cracking; good flavor
Crimson Delight	Harris	medium late	light red	light green with broad stripes	30.0	29.5	1.2	brown	5	5	11.0	5	4	F1	Round fruit; interior cracking
DSP 4100	D. Palmer	medium	red	light green with dark green stripes	26.0	23.5	1.0	brown	7	6	11.0	7	5	F1	
Festival	Johnny's	medium	deep red	light green with dark green stripes	23.5	23.5	1.4	black	7	5	10.0	8	6	F1	Round fruit; good texture and flavor
Gold Flower	Johnny's	medium early	peach	green with dark stripes	32.5	16.5	0.5	black	8	7	11.2	9	7	F1	Fruits are long and thin with some minor cracking, interesting color is almost bicolor yellow and orange; excellent flavor
Jade Star	Territorial	early	red	dark green	25.0	25.0	1.3	brown	7	6	11.2	4	5	F1	Round fruit
Jamboree	Rogers	medium	deep red	light green with broad stripes	36.0	21.5	1.4	brown	7	7	10.4	7	7	F1	Long, blocky fruit; somewhat coarse flesh; very late; round off-type in plot
Montreal	Sunseeds	medium	red	light green with very broad stripes	36.0	26.0	1.2	black	7	9	10.0	5	4	F1	Long, blocky fruit; excellent yield

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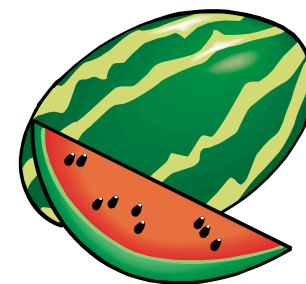
²Disease scores based on a 1–9 scale with 9 = severe. Diseases present were angular leaf spot and fusarium wilt.

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⁴Brix = percent soluble solids (a measure of sweetness; higher numbers indicate sweeter fruit).

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Watermelons¹

Variety	Source	Maturity	Flesh Color	Rind Color	Fruit Length (cm)	Fruit Width (cm)	Rind Thickness (cm)	Seed Color	Disease ²	Yield ³	Brix ⁴	Flavor ³	Overall Score ³	Cultivar Type ⁵	Notes ⁶
Nova	Sakata	medium late	salmon	medium green with stripes	22.5	23.0	1.2	seedless	6	6	12.0	4	4	F1	Round fruit; tomato-like flavor
Orchid Sweet	Territorial	medium	yellow	light green with dark green stripes	20.0	21.5	1.5	seedless	4	6	11.8	6	6	F1	Icebox type
Sangria	Rogers	medium late	red	light green with medium green stripes	41.0	20.5	1.4	brown	4	5	12.4	7	6	F1	Elongated fruit
Smile	Takii	early	orange-red	light green with dark green stripes	20.5	19.5	0.7	brown	8	4	12.2	8	5	F1	Nearly round fruit; good flavor
Stars n' Stripes Seminis		medium	deep red	light green with broad, dark stripe	39.0	22.0	1.5	black	6	6	10.0	7	7	F1	Elongated, cylindrical fruit
Sunshine	Johnny's	medium	yellow	light green with dark green stripes	23.5	21.0	1.1	black	3	5	11.6	4	6	F1	Icebox type
Sweet Beauty	Territorial	early	orange-red	green with dark stripes	19.0	17.5	0.7		7	4	13.0	5	4	F1	Icebox type
Talledega	Sakata	medium	red	light green with dark green stripes	23.0	23.5	1.4	seedless	6	6	14.0	8	4	F1	Variable for size and color; some hollowness
Tiger Baby	Seminis	medium	light red	light green with dark, thin, green stripes	22.5	22.0	1.8	brown	4	7	10.4	6	5	F1	Icebox type; round fruit; some interior cracking
Triple Star	Rupp	medium late	light red	light green with medium green stripes	28.0	23.5	1.7	seedless	4	5	12.4	9	7	F1	Crisp, sweet flesh; solid, no cracking
Valdoria	Sunseeds	medium	red	dark green	19.5	20.5	1.4	seedless	2	7	10.6	8	9	F1	Icebox type
Vanessa	Sunseeds	medium late	red	dark green	20.0	20.5	1.6	seedless	2	8	11.6	8	6	F1	Icebox type; hollow heart tendency

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