2019 Field Collection
QUALITY that Stems from PASSION

You have trusted Ball Seed® to deliver top-quality flower seed for many years, and we want to deliver that same quality and service to the farm stand and vegetable market farmer. The Ball Field Collection includes a carefully selected assortment of our most popular vegetable and field cut flower varieties, delivered to you on time and on spec from the best supply chain in the industry – so you can buy and grow with confidence.

As Seed Business Manager, I make it a top priority to find solutions for our customers’ needs every day. My approach within the industry is deeply rooted in my upbringing.

In fact, I started my very first vegetable garden when I was just 12 years old. I’d order my seed through Burpee® Seed Catalog, and would be so excited when my seeds would arrive – that meant Spring was just around the corner. I have been able to utilize my passions within my role at Ball Seed while working with dozens of breeders and producers of vegetables and field cut flowers across the globe, to help customers exceed their growing potential.

In these pages, you’ll find proven performers that have been specially chosen for growers like you that are serving farmers markets and farm stand customers. From a recognizable favorite such as Early Girl Tomato and exciting new breeding in our NEW Butterbaby Squash, to our award-winning NEW Queeny Lime Orange Zinnia cut flower, you’ll find exactly what you’re looking for in this catalog.

Ball Seed is your one-stop-shop for trialed and proven new products and top-quality seed, as well as reliable technical support, advanced technology and our 24/7 WebTrack® online ordering, plus so much more. Our focus is to make sure you have everything you need to help your business grow.

Jayson Force
Seed Business Manager
Fresh varieties for
farm stand growers and
market farmers.
Big flavor, from garden to table.

vegetables

ARUGULA
Astro ........................................... 3
BEAN
Inspiration ..................................... 3
Navarro ......................................... 3
BEET
Chioggia Guardsmark ....................... 3
BROCCOLI
Arcadia F1 ..................................... 4
Destiny F1 ...................................... 4
Emerald Jewel F1 ............................. 4
Lieutenant F1 .................................. 4
BRUSSELS SPROUTS
Franklin F1 ..................................... 4
CAULIFLOWER
Cheddar F1 .................................. 6
Steady F1 ....................................... 6
COLLARDS
Top Bunch F1 .................................. 6
CUCUMBER
Diva F1 ........................................ 7
Gateway F1 .................................... 7
Gherking F1: Gherkin ....................... 7
Martini F1 ...................................... 7
EGGPLANT
Classic F1 ..................................... 8
Fairy Tale F1 .................................. 8
Hansel F1 ....................................... 8
Shikou F1 ...................................... 8
FENNEL
Onion F1 ....................................... 9
KALE
Dinosaur (Lacinato Kale) .................... 9
Redbor F1 ...................................... 9
Starbor F1 ...................................... 9
Winterbor F1 .................................. 9
KOHLRABI
Quickstar F1 .................................. 10
LETTUCE
Amanda ......................................... 10
Buttercrunch .................................. 10
New Red Fire .................................. 10
Valley Heart ................................... 10
MELON
Ambrosia F1 .................................. 11
Atlan ............................................. 11
Snow Mass F1 .................................. 11
MUSTARD
Mizuna Miz America F1 ...................... 12
Savanna F1 .................................... 12
ONION
Candy F1 ....................................... 12
Parade Bunching ............................. 12
Red Baron Bunching ......................... 13
Red Carpet F1 .................................. 13
Sierra Blanca F1 ............................... 13
PAK CHOI
White .......................................... 13
PEA
Oregon Sugar Pod ............................ 13
Sugar Snap ..................................... 13
PEPPERS
Anaheim ........................................ 18
Desperado F1 .................................. 18
Ancho/Poblano ................................ 18
Carranza F1 .................................... 18
Trident F1 ...................................... 18
Cayenne ........................................ 19
Araraho F1 ..................................... 19
Cubanelle ...................................... 17
Biscayne F1 .................................... 17
Habanero ....................................... 19
Primero Red F1 ................................ 19
Jalapeno ........................................ 20
La Bomba II F1 ............................... 20
Spicy Slice F1 ................................. 20
Sriracha F1 ..................................... 20
Serrano .......................................... 20
Sureño ........................................... 20
Specialty Hot .................................. 21
Ati Rico ........................................ 21
Durango F1 ...................................... 21
Mad Hatter F1 ................................. 21
Sweet Bell ..................................... 14
Archimedes F1 ................................ 14
Hunter F1 ....................................... 14
New Ace F1 .................................... 14
Nikita F1 ....................................... 15
Orange Blaze F1 ............................... 15
Red Knight F1 ................................ 16
Revolution F1 .................................. 16
Snackabelle Red F1 ........................... 16
Touchdown F1 .................................. 17
PUMPKIN
Autumn Gold F1 ............................... 22
Baby Bear ...................................... 22
Casper ........................................... 22
Cracker Jack F1 ............................... 22
Hijinks .......................................... 22
Magic Lantern F1 ............................. 23
RADISH
Easter Egg II Mix .................. 23
Seaside F1 ...................................... 23
SPINACH
Green Beret F1 ............................... 23
Seaside F1 ...................................... 23
SQUASH
Summer ....................................... 24
Bacco F1 ........................................ 24
Butta F1 ........................................ 24
EasyPick F1: Series .......................... 24
Endeavor F1 .................................... 24
Noche F1 ....................................... 24
Sunny Delight F1 .............................. 24
Winter ........................................... 25
Butterbaby ..................................... 25
Primavera F1 ................................... 25
Taybelle ........................................ 25
Tielli F1 ......................................... 25
SWEET CORN
American Dream F1 ......................... 26
Northern Lights Mix .......................... 26
TOMATILLO
Super Verde F1 ............................... 26
TOMATO
Beefsteak ...................................... 27
Big Beef F1 ..................................... 27
Buffalosteak F1 ............................... 27
Damsel F1 ...................................... 27
Saladette/Sauce ................... 32
Bella Rosa F1 .................................. 32
Camaro F1 ...................................... 32
La Roma III Red F1 ......................... 33
Sunrise Sauce F1 ............................. 33
Supremo F1 ..................................... 33
Slicer ........................................... 28
Biltmore F1 ..................................... 28
Bush Champion II F1 ....................... 28
Bush Early Girl F1 ............................ 28
Carmello F1 .................................... 28
Champion II F1 ............................... 29
Dixie Red F1 .................................... 29
Early Girl F1 ................................... 29
Mountain Meat F1 ............................ 29
Phoensis F1 .................................... 30
Rugged Boy F1 ............................... 30
Stellar F1 ....................................... 30
Super Fantastic F1 ............................ 31
Supersonic F1 .................................. 31
Tasti-Lee® F1 ................................. 31
Small Fruited/Cherry ...................... 34
Braveheart F1 .................................. 34
Candyland Red F1 ............................ 34
Chocolate Sprinkles F1 ..................... 34
Cupid F1 ........................................ 35
Juliet F1 ......................................... 35
Midnight Snack F1 ........................... 35
Mountain Magic F1 .......................... 36
Red Racer F1 ................................... 36
Ruby Crush F1 .................................. 36
Sugar Rush F1 ................................ 37
Sungold F1 ..................................... 37
Sweet Treats F1 ............................... 37
Sweet Zen F1 .................................. 37
Tomatoberry Garden F1 .................... 37

PLANTING CHART

<table>
<thead>
<tr>
<th>Vegetable</th>
<th>Planting Depth</th>
<th>Distance Between Rows</th>
<th>Distance Between Plants</th>
<th>Days to Germ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arugula</td>
<td>.125-.25 in.</td>
<td>18-24 in.</td>
<td>2-4 in.</td>
<td>5-7</td>
</tr>
<tr>
<td>Beans - Bush</td>
<td>1-1.5 in.</td>
<td>24-36 in.</td>
<td>3-4 in.</td>
<td>3-7</td>
</tr>
<tr>
<td>Beets</td>
<td>.5 in.</td>
<td>12-18 in.</td>
<td>3-4 in.</td>
<td>7-14</td>
</tr>
<tr>
<td>Broccoli</td>
<td>.5 in.</td>
<td>24-36 in.</td>
<td>14-24 in.</td>
<td>4-10</td>
</tr>
<tr>
<td>Brussels Sprouts</td>
<td>.5 in.</td>
<td>24-36 in.</td>
<td>14-24 in.</td>
<td>4-10</td>
</tr>
<tr>
<td>Cabbage</td>
<td>.5 in.</td>
<td>24-36 in.</td>
<td>14-24 in.</td>
<td>4-10</td>
</tr>
<tr>
<td>Carrots</td>
<td>.25-.5 in.</td>
<td>16-24 in.</td>
<td>1-2 in.</td>
<td>7-21</td>
</tr>
<tr>
<td>Cauliflower</td>
<td>.5 in.</td>
<td>24-36 in.</td>
<td>14-24 in.</td>
<td>4-10</td>
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<tr>
<td>Collards</td>
<td>.5 in.</td>
<td>24-36 in.</td>
<td>14-24 in.</td>
<td>6-10</td>
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<tr>
<td>Corn</td>
<td>.75-1 in.</td>
<td>30-36 in.</td>
<td>6-8 in.</td>
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<tr>
<td>Cucumber</td>
<td>.5 in.</td>
<td>48-72 in.</td>
<td>24-48 in.</td>
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<tr>
<td>Eggplant</td>
<td>.5 in.</td>
<td>24-36 in.</td>
<td>18-24 in.</td>
<td>8-14</td>
</tr>
<tr>
<td>Fennel</td>
<td>.25-.5 in.</td>
<td>16-18 in.</td>
<td>6-8 in.</td>
<td>6-12</td>
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<tr>
<td>Kale</td>
<td>.5 in.</td>
<td>18-36 in.</td>
<td>8-16 in.</td>
<td>6-10</td>
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<tr>
<td>Kohlrabi</td>
<td>.25-.5 in.</td>
<td>12-18 in.</td>
<td>4-6 in.</td>
<td>5-10</td>
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<tr>
<td>Lettuce</td>
<td>.5 in.</td>
<td>10-12 in.</td>
<td>8-10 in.</td>
<td>6-10</td>
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<tr>
<td>Melon</td>
<td>1 in.</td>
<td>60-96 in.</td>
<td>24-36 in.</td>
<td>6-12</td>
</tr>
<tr>
<td>Mustard</td>
<td>.25-.5 in.</td>
<td>18-24 in.</td>
<td>2-4 in.</td>
<td>5-10</td>
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<tr>
<td>Onion</td>
<td>.5 in.</td>
<td>14-24 in.</td>
<td>2-3 in.</td>
<td>6-12</td>
</tr>
<tr>
<td>Pak Choi</td>
<td>.25-.5 in.</td>
<td>24-36 in.</td>
<td>10-12 in.</td>
<td>7-14</td>
</tr>
<tr>
<td>Peas</td>
<td>.5-1 in.</td>
<td>12-18 in.</td>
<td>3-4 in.</td>
<td>7-14</td>
</tr>
<tr>
<td>Pepper</td>
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<td>24-36 in.</td>
<td>18-24 in.</td>
<td>10-21</td>
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<tr>
<td>Pumpkin</td>
<td>1-2 in.</td>
<td>60-96 in.</td>
<td>36-48 in.</td>
<td>6-10</td>
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<tr>
<td>Radish</td>
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<td>12-16 in.</td>
<td>2-3 in.</td>
<td>4-8</td>
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<tr>
<td>Squash - Summer</td>
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<td>36-60 in.</td>
<td>18-36 in.</td>
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<td>Squash - Winter</td>
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<td>60-96 in.</td>
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<td>7-14</td>
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<td>Swiss Chard</td>
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<td>18-30 in.</td>
<td>6-8 in.</td>
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<tr>
<td>Tomatillo</td>
<td>36-48 in.</td>
<td>24-36 in.</td>
<td>18-36 in.</td>
<td>7-14</td>
</tr>
<tr>
<td>Tomato</td>
<td>.5 in.</td>
<td>24-48 in.</td>
<td>18-36 in.</td>
<td>6-14</td>
</tr>
</tbody>
</table>
ARUGULA

Astro
Form (Count): Available as Plugs, Raw Seed (12,500/oz.)
Days from Direct Sow: 40
Produces medium-green leaves with a cut-leaf shape. Mild, spicy, nutty flavor, which gets stronger in warmer weather, performs as cut and come again. Cold and heat-tolerant variety can be utilized year-round for clipping and bunching.

BEAN

Inspiration
Form (Count): Available as Raw Seed (114/oz.)
Days from Direct Sow: 56
Bush bean with proven performance under heat stress. Produces an abundance of 5-6-in. (13-15-cm) dark green, tender, stringless pods, with a crisp texture and sweet flavor. Resistant to Bean Mosaic Virus and Bean True Moasaic Virus.

Navarro
Form (Count): Available as Raw Seed (85/oz.)
Days from Direct Sow: 54
Bush Romano bean offers an improved upright plant type and lower fiber content in its 5.5-5-in. (13-14-cm) light green pods. Set high in the plant, pods are kept off the ground, allowing easier hand and machine harvest. Beans offer a sweet, rich, Romano flavor.

BEET

Chioggia Guardsmark
Form (Count): Available as Plugs, Raw Seed (2,600/oz.)
Days from Direct Sow: 60
Unique candy striped root interiors plus increased uniformity and bolt tolerance make this new and improved strain of a popular Italian heirloom ideal for specialty markets. Wonderful flavor, but loses quality if grown too big.

Seeds per ounce are approximate and can vary by lot.
**BROCCOLI**

**Arcadia F₁**
Form (Count): Available as Plugs, Raw Seed (5,700/oz.)
Days from Transplant: 95
Large, medium green, domed heads; small to medium bead size and medium stem. Good tolerance to Hollow Core and Downy Mildew. Widely adapted; holds well.

**Destiny F₁**
Form (Count): Available as Plugs, Raw Seed (5,600/oz.)
Days from Transplant: 89
Mid-early, compact, green, heat-tolerant variety. Medium-small beads, smooth dome and round shape. Good for Fall harvest in the Desert Southwest.

**Emerald Jewel F₁**
Form (Count): Available as Raw Seed (7,200/oz.)
Days from Transplant: 100
Small-beaded, smooth-headed, clean-stemmed, green variety. Best for late Spring, early Summer and late Fall harvest. Resists some races of Clubroot.

**Lieutenant F₁**
Form (Count): Available as Plugs, Raw Seed (6,100/oz.)
Days from Transplant: 80
Impressive performer in Summer heat when well-watered. Medium-high, dark green domes are very smooth, with fine beads and mid-sized stems with minimal hollow stem. Upright plants have minimal side shoots. Very uniform maturity.

**BRUSSELS SPROUTS**

**Franklin F₁**
Form (Count): Available as Plugs, Raw Seed (7,000/oz.)
Days from Transplant: 80
Early-maturing, high-quality variety produces 1-in. (2.5-cm), round-oval, uniform and firm sprouts. Tall plants have less woody stalks than others, so whole stem harvest is possible. Tasty when steamed or enjoyed raw.

Order online at BallSeed.com/WebTrack or call 800 879-BALL
CABBAGE

Big Flat Head (Gunma) F₁
Form (Count): Available as Plugs, Raw Seed (5,500/oz.)
Days from Transplant: 85
Flat, green, 5-7-lb. (2.3-3.2-kg) specialty cabbage produces sweet, tender heads with a very short core and less dense interior for easy slicing and shredding.

Fast Vantage F₁
Form (Count): Available as Plugs, Raw Seed (6,900/oz.)
Days from Transplant: 59
Early-season, 2-5-lb. (0.9-2.3-kg), very uniform, medium green cabbage. Matures up to 6 weeks earlier than other varieties.

Platinum Dynasty F₁
Form (Count): Available as Plugs, Raw Seed (6,200/oz.)
Days from Transplant: 70
Main-season, 1-8-2.2-lb. (0.8-1-kg), blue-green cabbage bears large, round to semi-round heads. Resistant to Fusarium Yellows and Black Rot; good Tipburn tolerance.

NEW Primo Vantage F₁
Form (Count): Available as Plugs, Raw Seed (5,600/oz.)
Days from Transplant: 75
Excellent uniformity, holding ability and a short core. Mid-early maturity with sweet flavor. Juicy, tender, dark green, 4-4.5-lb. (1.8-2-kg) variety. Has performed well in the East, West and Desert Southwest. Resistance to Fusarium Yellows Race 1.

Red Jewel F₁
Form (Count): Available as Plugs, Raw Seed (6,600/oz.)
Days from Transplant: 80
High-yielding, 3-5-lb. (1.4-2.3-kg) variety matures early and uniformly. Round, deep red heads have a short core.

CARROT

Harlequin Mix
Form (Count): Available as Raw Seed (23,000/oz.)
Days from Direct Sow: 70
Eye-catching Nantes type produces a mix of fun, bright colors, including purple, white, orange and yellow - each with a slightly different flavor. Raw or cooked, this 5-7-in. (13-18-cm) long variety boasts delicious flavor.
**CAULIFLOWER**

**Cheddar F₁**
- **Form (Count):** Available as Plugs, Raw Seed (5,500/oz.)
- **Days from Transplant:** 68
- 25% more beta-carotene than standard white types - excellent source of Vitamin A. This yellow-orange variety weighs 2 lb. (1 kg); offers firm, uniform, dome-shaped heads.

**Steady F₁**
- **Form (Count):** Available as Plugs, Raw Seed (6,500/oz.)
- **Days from Transplant:** 70
- Early, vigorous plants weighing 1-1.5 lb. (0.5-0.7 kg) have excellent internal wrap. Produces dense, white, dome-shaped heads with excellent flavor. Good variety for early Summer with consistent performance in many environments.

**COLLARDS**

**NEW Top Bunch F₁**
- **Form (Count):** Available as Raw Seed (3,500/oz.)
- **Days from Transplant:** 50
- An early-maturing hybrid, Top Bunch has wavy, lightly savoyed blue-green leaves. Excellent yielder regrows quickly after harvest. Generally earlier and more uniform than open-pollinated types. High bolt resistance.

Order online at BallSeed.com/WebTrack or call 800 879-BALL
CUCUMBER

Diva F1
Form (Count): Available as Raw Seed (1,100/oz.)
Days from Transplant: 58
Non-bitter, 4-5-in. (10-13-cm), gynoecious-type with tender skin. This slicing cucumber is resistant to Scab; tolerant of Powdery/Downy Mildew. All-America Selections National Winner.

Gateway F1
Form (Count): Available as Raw Seed (1,100/oz.)
Days from Transplant: 50
At 8.5-9 in. (22-23 cm) long, this slicing cucumber boasts outstanding quality fruit along with a vigorous, strong plant. With intermediate resistance to Downy Mildew, this monoecious-type variety stands out among other varieties for its strong disease package and great adaptability for the market farmer.

Gherking F1: Gherkin
Form (Count): Available as Raw Seed (1,250/oz.)
Days from Transplant: 50-55
Gynoecious, parthenocarpic type cucumber is 3-5 in. (8-13 cm) long and produces early, large yields of bitter-free fruit that won't turn bitter if left on the vine. Cylindrical, dark green gherkins with white spines are perfect for pickling and fresh eating. High resistance to Scab and CMV 1; Intermediate resistance to Powdery Mildew and Downy Mildew.

Martini F1
Form (Count): Available as Raw Seed (1,200/oz.)
Days from Transplant: 55-60
Slicing cucumber stands out from the competition for its non-yellowing white exterior and earlier yields. Very tender, “no peel” skin if harvested at 5-6-in. (13-15-cm) length; larger fruit will need peeling. White interior is bitter-free, very sweet and crunchy. Powdery Mildew resistant; monoecious.

Order online at BallSeed.com/WebTrack or call 800 879-BALL
EGGPLANT

Classic F₁
Form (Count): Available as Plugs, Coated Seed, Raw Seed (7,100/oz.)
Days from Transplant: 76
Glossy, dark purple, 8-9-in. (20-23-cm), premium-quality fruit with an oval shape.

Fairy Tale F₁
Form (Count): Available as Plugs, Coated Seed, Raw Seed (8,200/oz.)
Days from Transplant: 55
Clusters of 3 to 5 teardrop-shaped, sweet, bitter-free fruit - up to 2 weeks earlier than others. 18-24-in. (46-61-cm), lavender-striped plants; good for small spaces and containers. All-America Selections National Winner.

Hansel F₁
Form (Count): Available as Plugs, Coated Seed, Raw Seed (8,500/oz.)
Days from Transplant: 55
True miniature ideal for containers. Fingerlike clusters of 3 to 6 teardrop-shaped, dark purple, bitter-free fruits. Harvest from 2-10 in. (5-25 cm) long. All-America Selections National Winner.

Shikou F₁
Form (Count): Available as Plugs, Coated Seed, Raw Seed (6,100/oz.)
Days from Transplant: 75
Asian-type eggplant offers long, 6-8-in. (15-20-cm), dark purple fruit with thin and tender, glossy skin; very white interior and very few seeds. Attractive, mid-size plants are very productive and semi-spineless.

Order online at BallSeed.com/WebTrack or call 800-879-BALL.

EGGPLANT
FENNEL
Orion F1
Form (Count): Available as Plugs, Raw Seed (7,000/oz.)
Days from Transplant: 82
Crisp, flavorful, large, thick bulbs are great for early through late Fall production. 18-24 in. (46-61 cm) long and very uniform; resists bolting and Tipburn.

KALE
Dinosaur (Lacinato Kale)
Form (Count): Available as Plugs, Raw Seed (8,600/oz.)
Days from Transplant: 33 Baby, 70 Full Size
Open-shape kale has straplike, blue-green leaves, 3 in. (8 cm) wide by 10 in. (25 cm) long. Extremely Winter-hardy. Good for culinary and ornamental use.

Redbor F1
Form (Count): Available as Plugs, Raw Seed (7,000/oz.)
Days from Transplant: 28 Baby, 55 Full Size
Very deep red-purple, frilly leaves; color/curling are enhanced by cold weather. Edible and ornamental variety.

Starbor F1
Form (Count): Available as Plugs, Raw Seed (9,500/oz.)
Days from Transplant: 55
Very uniform, compact, 12-18-in. (30-46-cm) tall plants with dark blue-green leaves. Resists yellowing.

Winterbor F1
Form (Count): Available as Plugs, Raw Seed (6,400/oz.)
Days from Transplant: 58
Finely curled, dark blue-green leaves on a tall, frost-resistant and productive plant. Overwinters well. Good ornamental, too.

All Kale seed is tested for seedborne diseases according to the International Seed Health Initiative (ISHI) guidelines.

Order online at BallSeed.com/WebTrack or call 800 879-BALL
KOHRLABI

**Quickstar F₁**

**Form (Count):** Available as Plugs, Raw Seed (5,600/oz.)

**Days from Transplant:** 50

Very early, slow-bolting variety with dark green, slightly broad leaves. 5.5-oz. (156-g) bulbs are extremely uniform in size and maturity. Wonderful flavor.

LETTUCE

**Amanda**

**Form (Count):** Available as Plugs, Raw Seed (33,000/oz.)

**Days from Direct Sow:** 70

Large, bolt-tolerant heads are bright green, curly and tender with delicious buttery taste. Looseleaf variety can be grown in containers.

**Buttercrunch**

**Form (Count):** Available as Plugs, Coated Seed, Organic, Raw Seed (27,000/oz.)

**Days from Transplant:** 65

Popular, butterhead is a top-quality variety; easy to grow and yields very tender, 4.5-in. (11-cm) rosettes. Resistant to Lettuce Mosaic Virus. All-America Selections National Winner.

**New Red Fire**

**Form (Count):** Available as Plugs, Raw Seed (26,500/oz.)

**Days from Direct Sow:** 55

Dark red, medium-large head, looseleaf lettuce has high bolting tolerance, moderate cold tolerance and strong heat tolerance. Harvest Summer to Fall.

**Valley Heart**

**Form (Count):** Available as Plugs, Raw Seed (30,000/oz.)

**Days from Direct Sow:** 75

Tall, dense, medium-green romaine has large, slightly savoyed leaves. Flavorful variety has good tolerance to cold and bolting; resists Tipburn.

Order online at BallSeed.com/WebTrack or call 800 879-BALL
MELON

**Ambrosia F₁**
*Form (Count):* Available as Plugs, Raw Seed (1,000/oz.)
*Days from Transplant:* 86
Extra-sweet flavored, 4.5-lb. (1.8-2-kg) cantaloupe has heavy netting and no sutures. One of the best varieties for the East coast.

**Atlantis F₁**
*Form (Count):* Available as Raw Seed (930/oz.)
*Days from Transplant:* 74
Eastern cantaloupe with round-oval shape and firm, dark-orange flesh. 6-8-lb. (2.7-3.6-kg) variety has high sugar content for excellent flavor. Finely netted with shallow sutures.

**Snow Mass F₁**
*Form (Count):* Available as Raw Seed (700/oz.)
*Days from Transplant:* 80
6-8-lb. (2.7-3.6-kg) honeydew melon has large, round, excellent-quality fruit with smooth rind and very sweet, light green flesh. Vigorous vines give excellent cover to heavy fruit set. Best adapted to hot or long growing seasons for maximum fruit size.
**MUSTARD**

**Mizuna Miz America F₁**
Form (Count): Available as Plugs, Raw Seed (14,500/oz.)
Days from Transplant: 20-25
Striking, deep-red leaves have very uniform color, shape and size, with pleasant, mild taste that is not bitter or spicy. Maintains the deep color even at maturity. Upright habit and thick leaves decreases damage from weather and harvesting.

**NEW Savanna F₁**
Form (Count): Available as Raw Seed (10,500/oz.)
Days from Transplant: 20 Baby Leaf, 40 Full Size
Large, glossy, dark green, oval-shaped leaves are heat, cold and drought tolerant; tender and delicious. Mild flavor enhances salads, stir-fries and steamed dishes while adding nutritional value. Can substitute for spinach. Fast-growing hybrid, slow to bolt.

**ONION**

**Candy F₁**
Form (Count): Available as Plugs, Raw Seed (6,000/oz.)
Days from Transplant: 85
Sweet, mild flavor. Day-neutral variety offers huge, very early bulbs with golden brown skin, white interior and thick rings with mostly single centers. Good production throughout the US, mid-day strain for planting in the North or South.

**Parade Bunching**
Form (Count): Available as Raw Seed (13,000/oz.)
Days from Transplant: 70
This bunching onion offers bright white shanks and uniform, dark green foliage. Vigorous and very upright, with little to no bulbing and a mild flavor.

Order online at BallSeed.com/WebTrack or call 800 879-BALL
Red Baron Bunching
Form (Count): Available as Raw Seed (6,500/oz.)
Days from Direct Sow: 70 Scallions, 115 Full Size
Bunching, small onion. Versatile, long-day variety holds its vibrant, burgundy color well. Harvest at 12-14 in. (30-36 cm) tall as a scallion - when bulbs begin to form, or later in Fall with a mid-size, mild-flowered bulb. Vigorous roots; long storage.

Red Carpet F1
Form (Count): Available as Plugs, Raw Seed (6,000/oz.)
Days from Direct Sow: 115
Deep red, long-day variety produces 3-4-in. (8-10-cm) bulbs with attractive, magenta interior rings. Tight bulbs store extremely well.

Sierra Blanca F1
Form (Count): Available as Raw Seed (6,800/oz.)
Days from Direct Sow: 109
Early-maturing jumbo variety makes mild, globe-shaped bulbs with very white and shiny scales; flesh is firm and showy white. Widely adapted and produces thick rings. Good bolt tolerance; resistant to Pink Root Rot. Day neutral.

PAK CHOI
White
Form (Count): Available as Plugs, Raw Seed (13,000/oz.)
Days from Transplant: 30 Baby Leaf, 60 Full Size
Thick, pure white petioles with crisp, smooth, tender leaves are perfect for stir-fries, soups and Asian cooking. Slow to bolt; grows well in warmer climates.

PEA
Oregon Sugar Pod
Form (Count): Available as Organic, Raw Seed (100/oz.)
Days from Direct Sow: 62
Flat, smooth, stringless, 4-in. (10-cm) pods with mildly flavored snow peas on highly productive, 24-30-in. (61-76-cm) vines. Resists Fusarium Wilt, Pea Enation Mosaic Virus and Pea Streak. Trellis for easy harvest; excellent for Spring or Fall plantings.

Sugar Snap
Form (Count): Available as Raw Seed (100/oz.)
Days from Direct Sow: 62
Sweet, 3-in. (8-cm) x 0.5-in. (1-cm) pods, great for fresh use and cooking - remove string from pods before cooking. 6-ft. (1.8-m) tall vines are high yielding for long periods, in both cool and hot weather.
## PEPPERS, Sweet

<table>
<thead>
<tr>
<th>Variety</th>
<th>Form (Count)</th>
<th>Days from Transplant</th>
<th>Size</th>
<th>Color</th>
<th>Habit</th>
<th>Disease Resistance</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>SWEET BELL</strong></td>
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<td><strong>NEW</strong></td>
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<tr>
<td><strong>Archimedes F₁</strong></td>
<td>Available as Plugs, Coated Seed, Raw Seed (3,700/oz.)</td>
<td>76 Green/90 Red</td>
<td>4 x 4.5 in. (10 x 11 cm)</td>
<td>Green/Red</td>
<td>Compact</td>
<td>(HR) TMV, 0, Xcv: 0-3, 7, 8; (IR) Pc</td>
<td>(with X3R®) Widely-adapted, thick-walled, green to red hybrid with large, blocky fruit.</td>
</tr>
<tr>
<td><strong>Hunter F₁</strong></td>
<td>Available as Plugs, Raw Seed (3,600/oz.)</td>
<td>60 Green/75 Red</td>
<td>4 x 4 in. (10 x 10 cm)</td>
<td>Green/Red</td>
<td>Compact</td>
<td>TEV, TMV, (HR) Xcv: 1-5, 7-9</td>
<td>Compact, mid-size plant bears early, concentrated yields. High-quality, extra-large, 4-lobed peppers have smooth and glossy exterior. Well-adapted for growing in the eastern United States.</td>
</tr>
<tr>
<td><strong>New Ace F₁</strong></td>
<td>Available as Plugs, Raw Seed (4,100/oz.)</td>
<td>65 Green/80 Red</td>
<td>4 x 3 in. (10 x 8 cm)</td>
<td>Green/Red</td>
<td>Large</td>
<td>(HR) ToMV, TMV</td>
<td>Early-maturing plant produces heavy yields of sweet peppers. Plant has green stems, green leaves and white flowers and grows 3-4 ft. (0.9-1.2 m) tall. One of the best bell peppers for areas with short or cool Summers, even Alaska.</td>
</tr>
</tbody>
</table>
PEPPERS, Sweet

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<tbody>
<tr>
<td>Nikita F&lt;sub&gt;1&lt;/sub&gt;</td>
<td>Available as Plugs, Raw Seed (3,772/oz.)</td>
<td>65</td>
<td>3.5 x 4 in. (9 x 10 cm)</td>
<td>Green/Red-Orange Shades</td>
<td>Large</td>
<td>(HR) PVY</td>
<td>Glowing, red-orange peppers are loaded with big flavor. Blocky, thick-walled fruit holds its crispness even when cooked at high heat. Well-branched plants produce early and prolifically.</td>
</tr>
<tr>
<td>Orange Blaze F&lt;sub&gt;1&lt;/sub&gt;</td>
<td>Available as Plugs, Coated Seed, Raw Seed (3,800/oz.)</td>
<td>68</td>
<td>3-4 x 1.5 in. (8-10 x 4 cm)</td>
<td>Green/Orange</td>
<td>Large, Tall</td>
<td>TMV, Xcv: 0-3, 7, 8</td>
<td>Gorgeous 2 to 3-lobed fruits that mature early and boast very sweet flavor. All-America Selections National Winner.</td>
</tr>
</tbody>
</table>

All Pepper seed is tested for seedborne diseases according to the International Seed Health Initiative (ISHI) guidelines.
## PEPPERS, Sweet

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<tbody>
<tr>
<td><strong>Red Knight F&lt;sub&gt;1&lt;/sub&gt;</strong></td>
<td>Plugs, Coated Seed, Raw Seed (3,300/oz.)</td>
<td>66 Green/80 Red</td>
<td>4.5 x 4.5 in. (11 x 11 cm)</td>
<td>Green/Red</td>
<td>Compact</td>
<td>(HR) PVY: 0, Xcv: 1-3</td>
<td>Vigorous, early-maturing variety is widely adapted throughout the northeastern U.S. Large to extra-large, thick-walled fruits.</td>
</tr>
<tr>
<td><strong>Revolution F&lt;sub&gt;1&lt;/sub&gt;</strong></td>
<td>Plugs, Coated Seed, Raw Seed (4,100/oz.)</td>
<td>72 Green/89 Red</td>
<td>4.75 x 4.5 in. (12 x 11 cm)</td>
<td>Green/Red</td>
<td>Medium, Tall</td>
<td>(IR) CMV, BLS: 1, 2, 3, 5</td>
<td>Produces a concentrated set and good yields in cool weather. 4-lobed, blocky and thick-walled variety.</td>
</tr>
<tr>
<td><strong>NEW Snackabelle Red F&lt;sub&gt;1&lt;/sub&gt;</strong></td>
<td>Plugs, Raw Seed (4,500/oz.)</td>
<td>60 Green/75 Red</td>
<td>2.25 x 2.25 in. (5-6 x 5-6 cm)</td>
<td>Green/Red</td>
<td>Compact</td>
<td>TMV, (HR) BLS: 1-3, 7, 8</td>
<td>This mini bell excels across the board: earliness, ease and eating! Thick-walled, blunt-end peppers have a rich, sweet flavor that’s great for fresh eating from green to red, and holds up well through grilling and stuffing. “Easy-out” stem and seeds – simply push down or cut around cap to release seed cavity for quick cleaning.</td>
</tr>
</tbody>
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<tr>
<td>Touchdown F₁</td>
<td>Available as Plugs, Raw Seed (3,600/oz.)</td>
<td>72 Green/88 Red</td>
<td>3.75-4 x 3.75-4 in.</td>
<td>Green/Red</td>
<td>Large</td>
<td>(HR) TMV: 0 and Xcv: 0-5, 7-9</td>
<td>A strong, prolific plant with continuous setting ability and excellent cover. High yield potential of large to extra-large, smooth fruit with thick walls and a uniformly blocky shape.</td>
</tr>
<tr>
<td>Biscayne F₁</td>
<td>Available as Plugs, Raw Seed (4,400/oz.)</td>
<td>65 Pale Green/80 Red</td>
<td>6.5 x 2.5 in. (17 x 6 cm)</td>
<td>Pale Green/Red</td>
<td>Large</td>
<td></td>
<td>Cubanelle peppers are produced on 24-30-in. (61-76-cm) plants. Early and productive.</td>
</tr>
</tbody>
</table>

**KEY DISEASE RESISTANCE:**
- HR: High Resistance
- IR: Intermediate Resistance
- CMV: Cucumber Mosaic Virus
- PC: Phytophthora Root Rot
- ToMV: Tomato Mosaic Virus
- PVY: Potato Virus Y
- TEV: Tobacco Etch Virus
- TMV: Tobacco Mosaic Virus
- TSWV: Tomato Spotted Wilt Virus
- Xcv: Xanthomonas (Bacterial Leaf Spot)
### PEPPERS, Hot

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<tr>
<td><strong>ANAHEIM</strong></td>
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<tr>
<td>NEW</td>
<td>Desperado F₁</td>
<td>Available as Raw Seed</td>
<td>60 Green/75 Red</td>
<td>8 x 1.5 in. (20 x 4 cm)</td>
<td>Light Green/Red</td>
<td>Large, Tall</td>
<td>A large-fruited pepper with mid-early maturity and great yield potential on a sturdy mid-size plant with good cover. Fruit is light green with an attractive glossy look and thick walls. Fruit 'de-caps' well, making it well-suited for fresh eating and processing. Pungency is mild and ideal for roasting.</td>
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<td><strong>ANCHO/POBLANO</strong></td>
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<td>NEW</td>
<td>Carranza F₁</td>
<td>Available as Raw Seed</td>
<td>72</td>
<td>6-7 x 3 in. (16-18 x 8 cm)</td>
<td>Dark Green/Red</td>
<td>Large, Tall</td>
<td>High-performance ancho chili pepper is excellent for drying. Large, wide fruits start out green and are very striking in the fresh market. Semi-open foliage covers the fruits to protect against damage by the sun, making it excellent in high temperatures.</td>
</tr>
<tr>
<td>Trident F₁</td>
<td>Available as Plugs, Raw Seed</td>
<td>75 Green/90 Red</td>
<td>6.5 x 3.5 in. (17 x 9 cm)</td>
<td>Dark Green/Red</td>
<td>Large, Tall (HR) TMV: 0</td>
<td>Extra-large, 4.5-5.5-oz. (128-156-g), glossy peppers are firm and straight with a high percentage of two-lobed fruit. Good for fresh and dried use. Plants have good vigor and continuous setting; performs well in a wide range of soils and climates.</td>
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<td><strong>CAYENNE</strong></td>
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<tr>
<td><strong>NEW</strong> Arapaho F₁</td>
<td>Available as Plugs, Raw Seed</td>
<td>65 Green/85 Red</td>
<td>8-9 in. (20-23 cm)</td>
<td>Green or Red</td>
<td>Large, Vigorous</td>
<td></td>
<td>High yields of early maturing fruit on a compact, vigorous plant. Can be harvested 10 days to two weeks earlier than most standard varieties on the market, with no sacrifice in fruit quality. Pungent, with great cayenne aroma. Attractive and delicious, both sweet and moderately hot. Excellent for frying and in salsas. Medium-large plant, formerly known as 'Cheyenne.'</td>
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<tr>
<td><strong>HABANERO</strong></td>
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<tr>
<td><strong>NEW</strong> Primero Red F₁</td>
<td>Available as Plugs, Raw Seed</td>
<td>75-80 Full Ripe</td>
<td>2.75-3.5 x 1.25-1.5 x 3.9 x 3.4 cm</td>
<td>Green/Red Large</td>
<td>(IR) TSWV</td>
<td></td>
<td>The earliest ripening habanero on the market, with fruit ready to harvest and enjoy as early as bell peppers! Produces huge yields of peppers that are larger than other habaneros with just about one-third the heat.</td>
</tr>
</tbody>
</table>

### HOW HOT IS HOT?

We've ranked the taste of our hot peppers from hottest (4 peppers) to mildly hot (1 pepper).

- NEW Primero Red F₁
- Aji Rico F₁
- Spicy Slice F₁
- NEW Sureño F₁
- NEW Carranza F₁
- NEW Arapaho F₁
- La Bomba II F₁
- Sriracha F₁
- NEW Desperado F₁
- Trident F₁
- Durango F₁
- Mad Hatter F₁
### PEPPERS, Hot

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<td><strong>JALAPEÑO</strong></td>
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<td>La Bomba II F₁</td>
<td>Available as Plugs, Coated Seed, Raw Seed (3,200/oz.)</td>
<td>55 Green/70 Red</td>
<td>3-3.25 x 1-1.5 in. (8-8.25 x 3.4 cm)</td>
<td>Green/Red</td>
<td>Large, Tall</td>
<td>TMV, Xcv: 1-3</td>
<td>Upgraded for superior disease resistance. Performs like original La Bomba, bearing very large jalapeños with little to no checking. Best in containers or in-ground.</td>
</tr>
<tr>
<td>Spicy Slice F₁</td>
<td>Available as Plugs, Coated Seed, Raw Seed (3,800/oz.)</td>
<td>65 Green/85 Red</td>
<td>4.75 x 0.75-1 in. (10-12 x 2-3 cm)</td>
<td>Green</td>
<td>Compact</td>
<td>TEV, (HR) Xcv: 1, 2, 3, 7, 8</td>
<td>Extra-large peppers are good for cutting into uniform, bite-sized rings with good flavor and medium pungency. Vigorous, prolific plants have good cover and are widely-adaptable.</td>
</tr>
<tr>
<td>Sriracha F₁</td>
<td>Available as Plugs, Coated Seed, Raw Seed (2,700/oz.)</td>
<td>80 Green/95 Red</td>
<td>5 x 1.25 in. (13 x 3 cm)</td>
<td>Green/Red</td>
<td>Medium, Tall</td>
<td></td>
<td>Large and firm, uniformly dark green pepper with beautiful smooth skin and a thick wall. Has a long shelf life and good heat content.</td>
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<tr>
<td><strong>SERRANO</strong></td>
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<tr>
<td>NEW Sureño F₁</td>
<td>Available as Raw Seed (4,500/oz.)</td>
<td>65 Green/85 Red</td>
<td>3 x 5 in. (8 x 13 cm)</td>
<td>Green</td>
<td>Large</td>
<td>PVY: 0, 1, 2</td>
<td>A high-producing, large, straight-fruited pepper with a medium-green color and excellent quality. The plant is more compact and the yield more concentrated than a traditional serrano. Sureño’s fruit is very firm, with a solid core that can withstand rough handling.</td>
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<td><strong>SPECIALTY HOT</strong></td>
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<tr>
<td>Aji Rico F₁</td>
<td>Available as Plugs, Raw Seed (5,000/oz.)</td>
<td>55 Green/75 Red</td>
<td>3-4 x 1.25-1.75 in. (8-10 x 3-4 cm)</td>
<td>Green/Red</td>
<td>Very Large, Vigorous</td>
<td>A unique hybrid Capsicum baccatum variety with more vigor, higher yield and earlier ripening than O.P. heirlooms. Narrow, conical fruit are crispy and thin-walled with delicate citrus flavor – perfect fresh or cooked, green or red. Best in-ground; large, indeterminate plants benefit from support. All-America Selections National Winner.</td>
<td></td>
</tr>
<tr>
<td>Durango F₁</td>
<td>Available as Plugs, Raw Seed (3,800/oz.)</td>
<td>70 Green/85 Red</td>
<td>6.5-7. x 1.5 in. (17-18 x 4 cm)</td>
<td>Green/Dark Red</td>
<td>Large</td>
<td>(HR) TMV: 0, (IR) Pc</td>
<td>A gourmet favorite and good garden performer! Guajillo pepper offers classic mild to medium hot flavor, smooth exterior, thick walls and mature deep-burgundy color on a strong, early-producing plant. High-yielding, with lots of long, tapered, 2-2.5-oz. (57-71-g) fruit that are good for salsa or drying for powder.</td>
</tr>
<tr>
<td>Mad Hatter F₁</td>
<td>Available as Plugs, Raw Seed (4,500/oz.)</td>
<td>70 Green/90 Red</td>
<td>2-3.5 x 2-2.5 in. (5-9 x 5-6 cm)</td>
<td>Green/Red</td>
<td>Very Large, Vigorous</td>
<td>A unique Capsicum baccatum pepper that is early and very productive, yielding more fruit than similar O.P. varieties. Distinctive, flat-disc peppers are crunchy and crisp, with delicate floral scent and rich flavor that intensifies/sweetens as it matures. Best in-ground with support. All-America Selections National Winner.</td>
<td></td>
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</tbody>
</table>
Autumn Gold F1
Form (Count): Available as Raw Seed (280/oz.)
Days from Direct Sow: 90
Highly productive variety spreads 12-20 ft. (3.7-6.1 m), with three to five pumpkins per vine, weighing 7-10 lb. (3.2-4.5 kg) each. All-America Selections National Winner.

Baby Bear
Form (Count): Available as Raw Seed (225/oz.)
Days from Direct Sow: 105
Eight to nine pumpkins per vine, 1.5-2.5 lb. (0.7-1.1 kg) each. Long stems make good handles. All-America Selections National Winner.

Casper
Form (Count): Available as Raw Seed (200/oz.)
Days from Direct Sow: 90
White-skinned, 10-16-lb. (4.5-7.3-kg) ornamental with thick, orange flesh and corky-textured tan handle grows 9-12 in. (23-30 cm) in diameter. Great for carving, painting and eating.

Cracker Jack F1
Form (Count): Available as Raw Seed (170/oz.)
Days from Direct Sow: 105
A medium-sized, 12-16-lb. (5.4-7.3-kg) version of the traditional Jack O’Lantern pumpkin. Fruit grow on vigorous restricted vines, are burnt orange in color, blocky round in shape and offer strong, dark, embedded handles. Cracker Jack has intermediate resistance to Powdery Mildew.

Hijinks
Form (Count): Available as Raw Seed (227/oz.)
Days from Direct Sow: 100
High-yielding, 7-9-lb. (3.2-4.1-kg) pumpkins with smooth skin, pronounced grooves and strong stems. Blocky variety is about 8 in. (20 cm) tall and 7.5 in. (19 cm) in diameter. All-America Selections National Winner.

Magic Lantern F1
Form (Count): Available as Raw Seed (142/oz.)
Days from Direct Sow: 115
Classic, upright, 16-24-lb. (7.3-10.9-kg), dark orange pumpkins with medium ribs are set close to the plant crown. Restricted vining makes this a good choice for small spaces. Intermediate resistance to Powdery Mildew.
**RADISH**

**Easter Egg II Mix**
Form (Count): Available as Raw Seed (3,000/oz.)
Days from Direct Sow: 30
Novel mix produces 6 shades of red, purple and white. Adds distinctive color and delicate flavor to salads and veggie trays. Round, large and late to become pithy.

**SPINACH**

**Green Beret F1**
Form (Count): Available as Plugs, Raw Seed (2,200/oz.)
Days from Direct Sow: 30
Dark green, semi-savoy variety can be grown as baby spinach or as large leaves. Strong resistance to Downy Mildew 1-13.

**Seaside F1**
Form (Count): Available as Plugs, Raw Seed (2,000/oz.)
Days from Direct Sow: 30
Very uniform, smooth-leaf variety has thick, very dark green leaves with the preferred spade shape. Upright plants have moderate bolt resistance. Also resistant to Downy Mildew 1-11, 15, 16 and intermediate-resistance to 12, 14.
<table>
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<td><strong>SUMMER</strong></td>
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<tr>
<td>Bocce F₁</td>
<td>Available as Raw Seed</td>
<td>45 Baby/55 Full Size</td>
<td>Zucchini</td>
<td>4 in. (10 cm)</td>
<td></td>
<td>Open, prostrate, restricted vine produces very high yields of ball-shaped fruit. Smooth, dark green fruit have good holding-ability and uniformity.</td>
</tr>
<tr>
<td>Butta F₁</td>
<td>Available as Raw Seed (190/oz.)</td>
<td>45 Direct</td>
<td>Zucchini</td>
<td>6-8 in. (15-20 cm)</td>
<td></td>
<td>Highly-uniform, lemon yellow variety produces long, blocky fruit with ivory-white flesh.</td>
</tr>
<tr>
<td>EasyPick F₁</td>
<td>Series Green: Available as Raw Seed (170/oz.) Gold II: Available as Plugs, Raw Seed (2,600/oz.)</td>
<td>45 Direct</td>
<td>Zucchini</td>
<td>Up to 10 in. (25 cm)</td>
<td>Gold II: PRSV, WMV, ZYMV</td>
<td>Fast-growing plants have an open habit and few prickles on the petioles. Continuous yields of slender, “twist to harvest” fruits make this traditional zucchini easy to market. &lt;br&gt;• Gold II • Green</td>
</tr>
<tr>
<td>Endeavor F₁</td>
<td>Available as Raw Seed (170/oz.)</td>
<td>45 Direct</td>
<td>Zucchini</td>
<td>7 in. (18 cm)</td>
<td>(IR) WMV, ZYMV, PRSV, Pox</td>
<td>Large, glossy, dark green squash is small-spined. Nice, open habit makes harvesting easy.</td>
</tr>
<tr>
<td>Noche F₁</td>
<td>Available as Raw Seed (195/oz.)</td>
<td>48 Direct</td>
<td>Zucchini</td>
<td>7-8 in. (18-20 cm)</td>
<td>(IR) WMV, ZYMV</td>
<td>Named for its “dark as night” skin, a popular choice in western regions. Long, glossy fruit have superior shelf life. Open, spineless plants are easy to harvest.</td>
</tr>
<tr>
<td>Sunny Delight F₁</td>
<td>Available as Raw Seed (450/oz.)</td>
<td>40 Baby - Direct</td>
<td>Patty Pan</td>
<td>Baby when 2-3 in. (5.1-7.6 cm) across</td>
<td></td>
<td>Bush-type plants reach 24-30 in. (61-76 cm) in height and can easily be grown in hills or rows. Pale yellow fruits have distinct scalloping and great taste.</td>
</tr>
</tbody>
</table>
# SQUASH

<table>
<thead>
<tr>
<th>Variety</th>
<th>Form (Count)</th>
<th>Days from Direct Sow</th>
<th>Type</th>
<th>Size</th>
<th>Disease Resistance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WINTER</strong></td>
<td></td>
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<tr>
<td><strong>NEW Butterbaby</strong></td>
<td>Available as Plugs,</td>
<td>105 Direct</td>
<td>Butternut</td>
<td>0.5-1.5 lbs</td>
<td>(IR) Px</td>
<td>Produces an abundance of sweet, personal-size, mini butternuts with classic light tan skin color. Depending on vine spacing, average fruit size can range from 0.5-1.5 lb. (0.2-0.7 kg) each. Restricted vines will not take over the garden like traditional butternuts; can be grown on a trellis to save even more space. Excellent storage quality – will last up to 4 months or more after harvest.</td>
</tr>
<tr>
<td>Primavera F₁</td>
<td>Available as Raw Seed (227/oz.)</td>
<td>93 Direct</td>
<td>Spaghetti</td>
<td>2.5-3 lbs.</td>
<td>Px</td>
<td>Restricted vine-type is ideal for home gardens and delivers high yields of uniform, 3-lb. (1.4-kg) fruits with delicious, light-colored flesh.</td>
</tr>
<tr>
<td>Taybelle</td>
<td>Available as Raw Seed (310/oz.)</td>
<td>80 Direct</td>
<td>Acorn</td>
<td>2.3 lbs.</td>
<td>Px</td>
<td>High-quality acorn squash matures from dark green to jet black. Semi-bush plants are good for higher-density planting.</td>
</tr>
<tr>
<td>Tivoli F₁</td>
<td>Available as Raw Seed (225/oz.)</td>
<td>98 Direct</td>
<td>Spaghetti</td>
<td>4.5 lbs.</td>
<td></td>
<td>First bush-type spaghetti squash – short vines make this a real spacesaver! Smooth, light yellow exterior with creamy, easy-to-shred flesh. All-America Selections National Winner.</td>
</tr>
</tbody>
</table>

**KEY DISEASE RESISTANCE:**
- **IR:** Intermediate Resistance
- **Px:** Powdery Mildew
- **PRSV:** Papaya Ring Spot Virus
- **WMV:** Watermelon Mosaic Virus
- **ZYMV:** Zucchini Yellow Mosaic Virus
NEW American Dream F₁

Form (Count): Available as Raw Seed (199/oz.)

Days from Direct Sow: 77

Bicolor variety offers superb eating quality, a very tender kernel and outstanding flavor. Strong, clean, 6-ft. (1.8-m) plants hold their ears at 26 in. (66 cm), are 7.5 in. (19 cm) in length and have intermediate resistance to Northern Corn Leaf Blight. Isolation required. 2018 All-America Selections National Winner.

Bright Lights Swiss Chard

Available as Plugs, Raw Seed (1,600/oz.)

Days from Direct Sow: 28 Baby/55 Full Size

Unique yellow, gold, orange, pink, violet, green and striped stems, plus standard red and white. Mild flavor. Tender, bronze or dark green leaves. Good ornamental. All-America Selections National Winner.

Northern Lights Mix

Available as Plugs, Raw Seed (15,200/oz.)

Days from Transplant: 75 Direct

Produces good yields of swiss chard with multicolor stems in vibrant red, magenta, gold and white. Excellent for salads and steamed with other greens. Improved uniformity, yield and longer production cycle than others of this type.

TOMATILLO

Super Verde F₁

Available as Plugs, Raw Seed (1,600/oz.)

Days from Direct Sow: 30 Baby/60 Full Size

Firm fruit with attractive green color have sturdy, healthy husks and above-average shelf life. Strong plant has good vigor and cover with very good fruit set. Improved uniformity, yield and longer production cycle than others of this type.
## TOMATO

<table>
<thead>
<tr>
<th>Variety</th>
<th>Form (Count)</th>
<th>Days from transplant</th>
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<th>Size</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>BEEFSTEAK</strong></td>
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<tr>
<td>Big Beef F₁</td>
<td>Available as Plugs,</td>
<td>73</td>
<td>Indeterminate</td>
<td>10-12 oz. (284-340 g)</td>
<td>Aal, F₂, N, TMV, V</td>
<td>Beefmaster type with twice the yields. All-America Selections Classic Variety</td>
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<tr>
<td></td>
<td>Coated Seed, Raw Seed</td>
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<tr>
<td></td>
<td>(8,200/oz.)</td>
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<tr>
<td>Buffalosteak F₁</td>
<td>Available as Plugs,</td>
<td>75</td>
<td>Indeterminate</td>
<td>6-8 oz. (170-227 g)</td>
<td>V, F₂, N, T</td>
<td>Large size with especially meaty flesh and few seeds. Early in its category. Productive and easy to grow.</td>
</tr>
<tr>
<td></td>
<td>Raw Seed</td>
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</tr>
<tr>
<td></td>
<td>(15,000/oz.)</td>
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<tr>
<td>NEW Damsel F₁</td>
<td>Available as Plugs,</td>
<td>73</td>
<td>Indeterminate</td>
<td>8-12 oz. (227-340 g)</td>
<td>Pi, N, V</td>
<td>Compact, beefsteak tomato variety, Damsel offers outstanding pink silk heirloom flavor with uniform fruits.</td>
</tr>
<tr>
<td></td>
<td>Raw Seed</td>
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</tr>
<tr>
<td></td>
<td>(9,000/oz.)</td>
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### KEY DISEASE RESISTANCE:

- **IR:** Intermediate Resistance
- **HR:** High Resistance
- **Aal:** Alternaria Stem Canker
- **As:** Early Blight
- **F:** Fusarium Wilt
- **F₁:** Fusarium Wilt (Race 1)
- **F₂:** Fusarium Wilt (Races 1 & 2)
- **F₃:** Fusarium Wilt (Races 0, 1 & 2)
- **Pf:** Leaf Mold (Fulvia fulva)
- **F₀:** Fusarium Wilt (Fusarium oxysporum f. sp. lycopersici)
- **F₁₀:** Fusarium Crown and Root Rot
- **Ma:** Root-Knot (Meloidogyne arenaria)
- **Mc:** Root-Knot (Meloidogyne incognita)
- **Mj:** Root-Knot (Meloidogyne javanica)
- **N:** Nematodes
- **Pi:** Late Blight
- **Pst:** Bacterial Speck
- **Sbl:** Gray Leaf Spot (Stemphylium botryosum f. sp. Lycopersici)
- **Slb:** Septoria Leaf Spot
- **Ss:** Gray Leaf Spot (Stemphylium lycopersici)
- **T:** Thrips
- **TMV:** Tobacco Mosaic Virus
- **ToMV:** Tomato Mosaic Virus
- **TSWV:** Tomato Spotted Wilt Virus
- **TYCV:** Tomato Yellow Leaf Curl
- **V:** Verticillium Wilt
- **Va:** Verticillium Wilt (Verticillium albo-atrum)
- **Vd:** Verticillium Wilt (Verticillium dahliae)
## TOMATO

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<tr>
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<tr>
<td><strong>SLICER</strong></td>
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<tr>
<td>Biltmore F₁</td>
<td>Available as Plugs, Raw Seed (9,200/oz.)</td>
<td>70</td>
<td>Determinate</td>
<td>10-12 oz. (284-340 g)</td>
<td>Aal, Fol, Sbl/Sl/Sa, Va/Vd</td>
<td>Mid-season variety produces a high yield of large, uniform, firm fruit with smooth skin and excellent flavor.</td>
</tr>
<tr>
<td>Bush Champion II F₁</td>
<td>Available as Plugs, Coated Seed, Raw Seed (6,000/oz.)</td>
<td>70</td>
<td>Determinate</td>
<td>8-12 oz. (227-340 g)</td>
<td>Aal, F: 1 &amp; 2, V: 1</td>
<td>Big, meaty fruit on extra-early, compact, 24-in. (61 cm) plants. Slightly more productive and widely adapted. Can be grown staked, but not essential.</td>
</tr>
<tr>
<td>Bush Early Girl F₁</td>
<td>Available as Plugs, Coated Seed, Raw Seed (7,800/oz.)</td>
<td>63</td>
<td>Determinate</td>
<td>6-7 oz. (170-198 g)</td>
<td>N, T, V, F: 1, 2</td>
<td>Higher yielding than other compact varieties. Excellent flavor.</td>
</tr>
<tr>
<td>Carmello F₁</td>
<td>Available as Plugs, Raw Seed (8,500/oz.)</td>
<td>75</td>
<td>Indeterminate</td>
<td>10-12 oz. (284-340 g)</td>
<td>F: 1, N, TMV, ToMV: 0-2, V</td>
<td>High-yielding, French slicing variety has good sugar/acid balance, round shape, juicy interior and crack-resistant skin.</td>
</tr>
</tbody>
</table>
## TOMATO

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<tbody>
<tr>
<td>Champion II F&lt;sub&gt;1&lt;/sub&gt;</td>
<td>Available as Plugs, Coated Seed, Raw Seed (5,200/oz.)</td>
<td>70</td>
<td>Indeterminate</td>
<td>10-12 oz. (284-340 g)</td>
<td>V, F: 1 &amp; 2, N, T</td>
<td>High-yielding variety.</td>
</tr>
<tr>
<td>Dixie Red F&lt;sub&gt;1&lt;/sub&gt;</td>
<td>Available as Plugs, Raw Seed (9,800/oz.)</td>
<td>85</td>
<td>Determinate</td>
<td>10-12 oz. (284-340 g)</td>
<td>(HR) Aal, Fol, Sbl/Si/Ss, TSWV, V, Va/Vd, (IR) Ma/Mi/Mj</td>
<td>Good yield potential and an improved disease package as compared to top market varieties. Produces large fruit that has the potential to perform well and set even in hot conditions. As an early-main season tomato, this hybrid can also be considered for the vine ripe market.</td>
</tr>
<tr>
<td>Early Girl F&lt;sub&gt;1&lt;/sub&gt;</td>
<td>Available as Plugs, Coated Seed, Raw Seed (6,300/oz.)</td>
<td>60</td>
<td>Indeterminate</td>
<td>4-6 oz. (113-170 g)</td>
<td>V, F: 1 &amp; 2</td>
<td>Early slicing variety produces all Summer.</td>
</tr>
<tr>
<td>Mountain Merit F&lt;sub&gt;1&lt;/sub&gt;</td>
<td>Available as Plugs, Raw Seed (10,600/oz.)</td>
<td>75</td>
<td>Determinate</td>
<td>8-10 oz. (227-284 g)</td>
<td>F: 3, Pi, N, TSWV, V</td>
<td>A nice, all-around tomato. Compact, uniform plants produce dark red, 3-3.5-in. (8-9-cm), juicy and mildly flavored fruit perfect for slicing and sandwiches. Offers a 4-5-week harvest window. All-America Selections Regional Winner (Heartland).</td>
</tr>
<tr>
<td>Variety</td>
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<tr>
<td><strong>SLICER</strong> (continued)</td>
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</tr>
<tr>
<td>Phoenix F₁</td>
<td>Available as Plugs, Raw Seed (10,900/oz.)</td>
<td>90</td>
<td>Determinate</td>
<td>10-12 oz. (284-340 g)</td>
<td>(HR) Aal, Fol, Sbl/Si/Ss, Va/Vd</td>
<td>Vigorous, compact, mid-season variety bears globe-shaped, large to extra-large tomatoes that are uniformly colored. Great in areas that have high temperatures in the growing season; sets fruit in heat.</td>
</tr>
<tr>
<td>Rugged Boy F₁</td>
<td>Available as Plugs, Raw Seed (9,300/oz.)</td>
<td>75</td>
<td>Determinate</td>
<td>6-8 oz. (170-227 g)</td>
<td>(HR) ToMV: 0-2, Fol: 1 &amp; 2, Sbl/Si/Ss, Va/Vd: 1, (IR) Pi, Ma/ Mi/Mj</td>
<td>Great adaptability across the United States. Small plant type is perfect for large containers or small garden beds.</td>
</tr>
<tr>
<td>Stellar F₁</td>
<td>Available as Plugs, Raw Seed (9,800/oz.)</td>
<td>75</td>
<td>Determinate</td>
<td>5-7 oz. (142-198 g)</td>
<td>(HR) F2, Pi, V, (IR) As, Slb</td>
<td>High yields of round, red slicing tomatoes. Highest level of disease resistance occurs when planted apart from other tomatoes. Best in-ground; benefits from trellis for support.</td>
</tr>
</tbody>
</table>
## TOMATO

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<tr>
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<tbody>
<tr>
<td><strong>Super Fantastic F₁</strong></td>
<td>Available as Plugs, Coated Seed, Raw Seed (5,100/oz.)</td>
<td>70</td>
<td>Indeterminate</td>
<td>10-12 oz. (284-340 g)</td>
<td>V, F, N</td>
<td>Produces high yields of solid, meaty, smooth-skinned fruit all Summer.</td>
</tr>
<tr>
<td><strong>Supersonic F₁</strong></td>
<td>Available as Plugs, Coated Seed, Raw Seed (10,600/oz.)</td>
<td>79</td>
<td>Indeterminate</td>
<td>9-11 oz. (255-312 g)</td>
<td>V, F, N</td>
<td>Heavy yields of great-tasting fruit.</td>
</tr>
<tr>
<td><strong>Tasti-Lee® F₁</strong></td>
<td>Available as Plugs, Raw Seed (11,700/oz.)</td>
<td>75</td>
<td>Determinate</td>
<td>6-9 oz. (170-255 g)</td>
<td>V: 0, Fol: 0, 1, 2</td>
<td>Strong-performing variety produces deep red fruits with superior, sweet flavor and provides good shade against sunscald. Up to 50% more lycopene than similar types. *Based on vegetables grown under our trial conditions and harvested when ripe. Actual harvest results may vary. TASTI-LEE is a registered trademark of Florida Foundation Seed Producers, Inc.</td>
</tr>
</tbody>
</table>

*Order online at BallSeed.com/WebTrack or call 800 879-BALL*
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<tr>
<td><strong>SALADETTE/SAUCE</strong></td>
<td></td>
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</tr>
<tr>
<td>Bella Rosa F₁</td>
<td>Available as Plugs, Raw Seed (9,600/oz.)</td>
<td>74</td>
<td>Determinate</td>
<td>7.5-9.5 oz.</td>
<td>Aal: F: 1 &amp; 2, Ss, TSWV, V</td>
<td>High-quality determinate salad variety features very good heat setting ability. It has large, firm, smooth-shouldered fruit with good flavor. Suited for both mature green and vine ripe markets. The plants are medium-tall and benefit from light to no pruning. Concentrated set and high yield potential.</td>
</tr>
<tr>
<td><strong>NEW Camaro F₁</strong></td>
<td>Available as Plugs, Raw Seed (8,000/oz.)</td>
<td>75</td>
<td>Determinate</td>
<td>8-10 oz.</td>
<td>(HR) Aal, Fol: 1-3, Va/Vd: 1, (IR) Ss, TYCV</td>
<td>Produces early maturing, extra-large and firm globe-shaped fruit, on mid-compact plants. Setting and size is good through the plant with final yield potential being high. Due to the plant habit, pruning is either unnecessary or should be low. The deep red fruit have smooth shoulders and perform well for both vine-ripe or for mature green gassing.</td>
</tr>
</tbody>
</table>
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<tbody>
<tr>
<td><strong>La Roma III Red F&lt;sub&gt;1&lt;/sub&gt;</strong></td>
<td>Available as Plugs, Coated Seed, Raw Seed (5,700/oz.)</td>
<td>76</td>
<td>Determinate</td>
<td>5-7 oz. (142-198 g)</td>
<td>V, F: 1 &amp; 2, N</td>
<td>Large, tasty fruit on large, vigorous plants. NOTE: Trialing is recommended in areas with short growing season; maturity and yield may be adversely affected under some conditions compared to the original.</td>
</tr>
<tr>
<td><strong>Sunrise Sauce F&lt;sub&gt;1&lt;/sub&gt;</strong></td>
<td>Available as Plugs, Raw Seed (10,400/oz.)</td>
<td>57</td>
<td>Determinate</td>
<td>3-4 oz. (85-113 g)</td>
<td>F, V</td>
<td>The only professional non-heirloom orange roma/paste/cooking tomato on the market. Ideal for small-space gardens and large containers. Yields large amounts of easy-to-peel tomatoes that are sweet and meaty, with a taste like traditional romas. Best in-ground.</td>
</tr>
<tr>
<td><strong>Supremo F&lt;sub&gt;1&lt;/sub&gt;</strong></td>
<td>Available as Raw Seed (12,100/oz.)</td>
<td>70</td>
<td>Determinate</td>
<td>1 oz. (28 g) (HR) Fol: 1-3, Mi: Pst: 0, Va: 1, Vd: 1, (IR) TSWV</td>
<td></td>
<td>Compact plants yield many uniform, elongated, extra-large fruit that are firm and red. Concentrated production period. Widely adapted; sets well in hot weather.</td>
</tr>
<tr>
<td>Variety</td>
<td>Form (Count)</td>
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<td><strong>SMALL FRUITED/CHERRY</strong></td>
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<tr>
<td>Braveheart F₁</td>
<td>Available as Plugs, Raw Seed (14,000/oz.)</td>
<td>60</td>
<td>Indeterminate</td>
<td>1 oz. (28 g)</td>
<td>(HR) Pf: A-E, Fol: 1, For, ToMV: 0 &amp; 1, (IR) Ss</td>
<td>Cherry tomatoes grow prolifically on medium-sized, well-behaved plants. Fruit ripen quickly and uniformly, extending the harvest throughout the season. Sweet and juicy fruit have thin skin and a bold, rich tomato flavor. Resists cracking.</td>
</tr>
<tr>
<td>Candyland Red F₁</td>
<td>Available as Plugs, Coated Seed, Raw Seed (30,000/oz.)</td>
<td>60</td>
<td>Indeterminate</td>
<td>0.5 oz. (14 g)</td>
<td></td>
<td>Puts a new spin on currant tomatoes – with its compact, tidy and manageable habit, Candyland Red won’t take over like other sprawling varieties do. Easy to grow, earlier and easy to harvest compared to other currants. Branched trusses are accessible for more usable fruit with less damage while picking. Very high yielding, very sweet flavor. Best in-ground. All-America Selections National Winner.</td>
</tr>
<tr>
<td>Chocolate Sprinkles F₁</td>
<td>Available as Plugs, Raw Seed (13,000/oz.)</td>
<td>55</td>
<td>Indeterminate</td>
<td>1 oz. (28 g)</td>
<td>F: 1, N, TMV, ToMV</td>
<td>First in this type with a disease-resistance package. Unique, striped color. Produces more fruit with better flavor than similar open-pollinated varieties.</td>
</tr>
<tr>
<td>Variety</td>
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<tr>
<td>Cupid F₁</td>
<td>Available as Plugs, Raw Seed (16,200/oz.)</td>
<td>66</td>
<td>Indeterminate</td>
<td>1 oz. (28 g)</td>
<td>Aal, Sbl</td>
<td>Vigorous vines bear hundreds of smooth, firm, very sweet, 1-in. (3-cm) grape tomatoes continuously over a long season. Holds well without bursting.</td>
</tr>
<tr>
<td>Juliet F₁</td>
<td>Available as Plugs, Coated Seed, Raw Seed (10,000/oz.)</td>
<td>60</td>
<td>Indeterminate</td>
<td>1.5-2 oz. (43-57 g)</td>
<td>As, Pi</td>
<td>Clusters of juicy, red, elongated tomatoes on long, vigorous vines. Less cracking than other cherry types. All-America Selections National Winner.</td>
</tr>
<tr>
<td>Midnight Snack F₁</td>
<td>Available as Plugs, Raw Seed (9,600/oz.)</td>
<td>70</td>
<td>Indeterminate</td>
<td>1 oz. (28 g)</td>
<td></td>
<td>A unique cherry tomato that ripens red with a blush of glossy black-purple on the skin when exposed to sunlight, due to anthocyanin pigment. Produces all season, yielding well-balanced, flavorful fruit. Great in salads or eaten straight off the plant — a guilt-free treat any time. Best in-ground, grown with support. All-America Selections National Winner.</td>
</tr>
<tr>
<td>Variety</td>
<td>Form (Count)</td>
<td>Days from Transplant</td>
<td>Growth</td>
<td>Size</td>
<td>Disease Resistance</td>
<td>Description</td>
</tr>
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</tr>
<tr>
<td><strong>NEW Mountain Magic F₁</strong></td>
<td>Available as Plugs, Raw Seed (12,600/oz.)</td>
<td>66</td>
<td>Indeterminate</td>
<td>2 oz. (57 g)</td>
<td>F: 3, Pi, V, As</td>
<td>Brilliant, red fruit with a juicy, smooth interior that is tropical-tasting with low acid and high sugars. Known as Campari-type tomatoes, they command high prices in specialty markets as tomatoes-on-the-vine. The uniform, crack-resistant globes appear in beautiful trusses of up to a dozen fruit.</td>
</tr>
<tr>
<td><strong>NEW Red Racer F₁</strong></td>
<td>Available as Plugs, Raw Seed (7,600/oz.)</td>
<td>57</td>
<td>Determinate</td>
<td>2 oz. (57 g)</td>
<td>F: 1 &amp; 2, GLS, N, TMV, V</td>
<td>2018 All-America Selections National Winner is a large, cocktail tomato variety that provides high-quality, great-tasting fruit in the garden or in large containers. Fruit has a good, sweet/acid balance, is uniform in size and matures as a cluster of fruits. Produces a huge yield, 7-10 days earlier than competing varieties.</td>
</tr>
<tr>
<td><strong>NEW Ruby Crush F₁</strong></td>
<td>Available as Plugs, Raw Seed (13,400/oz.)</td>
<td>60</td>
<td>Determinate</td>
<td>0.5 oz. (14 g)</td>
<td>(HR) Fol, For, ToMV: 0-2, (IR) Ss</td>
<td>A widely adapted, mid-early maturing grape on mid-compact plants with good vigor. Plant features good setting and size, with high final yield potential. Requires limited to no pruning. Deep red fruit is very smooth, uniform and firm with good flavor.</td>
</tr>
</tbody>
</table>
# TOMATO

<table>
<thead>
<tr>
<th>Variety</th>
<th>Form (Count)</th>
<th>Days from Transplant</th>
<th>Growth</th>
<th>Size</th>
<th>Disease Resistance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sugar Rush F₁</strong></td>
<td>Available as Plugs, Raw Seed (13,200/oz.)</td>
<td>55</td>
<td>Indeterminate</td>
<td>1 oz. (28 g)</td>
<td>(HR) F: 1, TMV, ToMV</td>
<td>Super-sweet, elongated fruit have one of the highest Brix ratings of this type. Fast-maturing and very productive all season, making long trusses of fruit with great crunch and texture.</td>
</tr>
<tr>
<td><strong>Sungold F₁</strong></td>
<td>Available as Plugs, Coated Seed, Raw Seed (16,700/oz.)</td>
<td>57</td>
<td>Indeterminate</td>
<td>0.5-0.75 oz. (14-21 g)</td>
<td>(HR) F; TMV</td>
<td>Beautiful, golden orange fruits are borne in large clusters. Great for snacking even a week before fully mature, with a sweet flavor.</td>
</tr>
<tr>
<td><strong>Sweet Treats F₁</strong></td>
<td>Available as Plugs, Raw Seed (12,000/oz.)</td>
<td>75</td>
<td>Indeterminate</td>
<td>0.5-0.75 oz. (14-21 g)</td>
<td>(HR) PF, Fol, ToMV: 0, 1, (IR) For, Sts</td>
<td>Unique, large-fruited cherry tomato has deep pink skin, smooth texture, and excellent flavor and aroma. Crisp, crack-resistant fruit is produced in clusters of 12-15 tomatoes.</td>
</tr>
<tr>
<td><strong>Sweet Zen F₁</strong></td>
<td>Available as Plugs, Raw Seed (19,800/oz.)</td>
<td>60</td>
<td>Determinate</td>
<td>0.5-0.75 oz. (14-21 g)</td>
<td>F, N, T</td>
<td>Red grape tomato offers early maturity and bright red fruit with good Brix and heat tolerance. Firm fruit ship well. Sweet Zen is an extended-harvest type.</td>
</tr>
<tr>
<td><strong>Tomatoberry Garden F₁</strong></td>
<td>Available as Plugs, Raw Seed (12,200/oz.)</td>
<td>60</td>
<td>Indeterminate</td>
<td>0.5 oz. (14 g)</td>
<td>F, N, T</td>
<td>Unique, 1-in. (3-cm), strawberry-shaped fruits have a super-sweet taste and aroma. Produces high yields of shiny, deep red, one-bite fruit.</td>
</tr>
</tbody>
</table>

Order online at BallSeed.com/WebTrack or call 800 879-BALL
Savory herbs, ideal for containers and small-space gardens.

<table>
<thead>
<tr>
<th>Herbs</th>
<th>Days to Germ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basil</td>
<td>10-14</td>
</tr>
<tr>
<td>Chives</td>
<td>10-14</td>
</tr>
<tr>
<td>Cilantro</td>
<td>10-16</td>
</tr>
<tr>
<td>Dill</td>
<td>7-21</td>
</tr>
<tr>
<td>Oregano</td>
<td>14-21</td>
</tr>
<tr>
<td>Parsley</td>
<td>14-28</td>
</tr>
<tr>
<td>Sage</td>
<td>10-18</td>
</tr>
<tr>
<td>Thyme</td>
<td>18-24</td>
</tr>
</tbody>
</table>
BASIL

**Dolce Fresca - Annual**

*Form (Count):* Available as Plugs, Raw Seed (16,600/oz.)

*Height:* 12-14 in. (30-36 cm)

*Spread:* 10-12 in. (25-30 cm)

*Days from Transplant:* 28

*(Ocimum basilicum)* Traditional basil flavor, with more usable leaf yields. Mid-size plants have a unique, bushy habit with shorter internodes so plants stay controlled without getting tall and leggy. Great in-ground as well as in containers.

**Eleonora - Annual**

*Form (Count):* Available as Plugs, Raw Seed (18,000/oz.)

*Height:* 18-22 in. (46-56 cm)

*Spread:* 14-16 in. (36-41 cm)

*Days from Transplant:* 40

*(Ocimum basilicum)* Genovese type with intermediate resistance to Downy Mildew. Upright growth with medium green, big, light-serrated leaves. Suitable for open-field and pot production.

**Super Sweet Genovese - Annual**

*Form (Count):* Available as Plugs, Organic (18,700/oz.)

*Height:* 12-16 in. (30-41 cm)

*Spread:* 10-12 in. (25-30 cm)

*Days from Transplant:* 45

*(Ocimum basilicum)* Large-leafed Italian Genovese type. Very productive.

**Sweet Nufar F1 - Annual**

*Form (Count):* Available as Plugs, Organic (18,600/oz.)

*Height:* 24-28 in. (61-71 cm)

*Spread:* 16-20 in. (41-51 cm)

*Days from Transplant:* 60

*(Ocimum basilicum)* Large, dark green, textured leaves. Vigorous, very productive variety. Highly tolerant to a broad spectrum of Fusarium Wilts. Good for open-field production.

---

**Seeds per ounce are approximate and can vary by lot.**

Order online at BallSeed.com/WebTrack or call 800 879-BALL
CHIVES

Garlic - Perennial
Form (Count): Available as Plugs, Organic, Raw Seed (6,600/oz.)
Hardiness Zone: Zone 3-10
Height: 18-22 in. (46-56 cm)
Spread: 4-6 in. (10-15 cm)
Days from Transplant: 75

(Allium tuberosum) Garlic-flavored leaves.

Onion - Perennial
Form (Count): Available as Plugs, Organic, Raw Seed (23,000/oz.)
Hardiness Zone: Zone 3-10
Height: 16-20 in. (41-51 cm)
Spread: 4-6 in. (10-15 cm)
Days from Transplant: 75

(Allium schoenoprasum) Excellent for seasoning.

CILANTRO

Santo - Annual
Form (Count): Available as Plugs, Raw Seed (2,400/oz.)
Height: 8-12 in. (20-30 cm)
Spread: 8-10 in. (20-25 cm)
Days from Transplant: 60

(Coriandrum sativum) Broad, celery-like leaves are medium green and heavier than standard strains. Slow-bolting for higher yields.
**DILL**

**Dukat - Annual**
- **Form (Count):** Available as Plugs, Raw Seed (16,000/oz.)
- **Height:** 50-58 in. (127-147 cm)
- **Spread:** 24-30 in. (61-76 cm)
- **Days from Transplant:** 50 Leaf / 95 Seeds

*Anethum graveolens*

Produces much higher yields of foliage than other dill varieties. The dark green, ferny leaves also have a distinct, strong aroma that adds depth to any fish, vegetable or pasta dish. Vigorous plants are topped with very large umbels.

**OREGANO**

**Italian - Perennial**
- **Form (Count):** Available as Plugs, Raw Seed (275,000/oz.)
- **Hardiness Zone:** Zone 5-9
- **Height:** 10-24 in. (25-61 cm)
- **Spread:** 8-16 in. (20-41 cm)
- **Days from Transplant:** 75

*Origanum vulgare*

Italian type. Use fresh or dried.

**PARSLEY**

**Forest Green - Annual**
- **Form (Count):** Available as Plugs, Organic (15,000/oz.)
- **Height:** 10-12 in. (25-30 cm)
- **Spread:** 8-12 in. (20-30 cm)
- **Days from Transplant:** 70

*Petroselinum crispum*

Dark green, triple-curled leaves.

**Italian Dark Single - Annual**
- **Form (Count):** Available as Plugs, Raw Seed (14,000/oz.)
- **Height:** 15-18 in. (38-46 cm)
- **Spread:** 12-18 in. (30-46 cm)
- **Days from Transplant:** 70

*Petroselinum crispum*

Flat, deeply cut leaves with rich flavor.

**Triple Curled - Annual**
- **Form (Count):** Available as Plugs, Raw Seed (16,000/oz.)
- **Height:** 12-14 in. (30-36 cm)
- **Spread:** 8-12 in. (20-30 cm)
- **Days from Transplant:** 70

*Petroselinum crispum*

Curled, dark green leaves on compact plants.

**SAGE**

**Salvia-Sage - Perennial**
- **Form (Count):** Available as Plugs, Organic Raw Seed (117,000/oz.)
- **Hardiness Zone:** Zone 5-8
- **Height:** 18-24 in. (46-61 cm)
- **Spread:** 18-22 in. (46-56 cm)
- **Days from Transplant:** 65

*Salvia officinalis*

Use fresh or dried.

**THYME**

**Summer (French) - Tender Perennial**
- **Form (Count):** Available as Plugs, Organic Raw Seed
- **Hardiness Zone:** Zone 6-8, Annual below 6
- **Height:** 6-12 in. (15-30 cm)
- **Spread:** 6-8 in. (15-20 cm)
- **Days from Transplant:** 75

*Thymus vulgaris*

Very aromatic, small, gray/green leaves. Tiny lilac flowers. Evergreen. Summer type is spicier than most other thymes.
<table>
<thead>
<tr>
<th>Cut Flowers</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ASCLEPIAS</strong></td>
<td>43</td>
</tr>
<tr>
<td>Silky Series</td>
<td></td>
</tr>
<tr>
<td><strong>COSMOS</strong></td>
<td>43</td>
</tr>
<tr>
<td>Sonata™ Series</td>
<td></td>
</tr>
<tr>
<td><strong>DELPHINIUM</strong></td>
<td>44</td>
</tr>
<tr>
<td>Belladonna</td>
<td></td>
</tr>
<tr>
<td>Bellamoseum</td>
<td></td>
</tr>
<tr>
<td>Blue Donna</td>
<td></td>
</tr>
<tr>
<td>Casablanca</td>
<td></td>
</tr>
<tr>
<td>Magic Fountains Series</td>
<td>45</td>
</tr>
<tr>
<td>Pacific Giants Series</td>
<td></td>
</tr>
<tr>
<td><strong>DIANTHUS</strong></td>
<td>46</td>
</tr>
<tr>
<td>Amazon™ F1 Series</td>
<td></td>
</tr>
<tr>
<td>Bouquet™ F1 Series</td>
<td></td>
</tr>
<tr>
<td>Sweet™ F1 Series</td>
<td></td>
</tr>
<tr>
<td><strong>EUCALYPTUS</strong></td>
<td>47</td>
</tr>
<tr>
<td>Silverdrop</td>
<td></td>
</tr>
<tr>
<td><strong>GOMPHOCARPUS</strong></td>
<td>48</td>
</tr>
<tr>
<td>Hairy Balls</td>
<td></td>
</tr>
<tr>
<td><strong>GOMPHRENA</strong></td>
<td>48</td>
</tr>
<tr>
<td>QIS Series</td>
<td></td>
</tr>
<tr>
<td><strong>LARKSPUR</strong></td>
<td>49</td>
</tr>
<tr>
<td>QIS Series</td>
<td></td>
</tr>
<tr>
<td><strong>LEUCANTHEMUM</strong></td>
<td>49</td>
</tr>
<tr>
<td>'Alaska'</td>
<td></td>
</tr>
<tr>
<td><strong>MARIGOLD</strong></td>
<td>49</td>
</tr>
<tr>
<td>Nosento Limegreen</td>
<td></td>
</tr>
<tr>
<td><strong>MATHIOLA</strong></td>
<td>49</td>
</tr>
<tr>
<td>Column Series</td>
<td></td>
</tr>
<tr>
<td>Katz Series</td>
<td></td>
</tr>
<tr>
<td><strong>SNAPDRAGON</strong></td>
<td>50</td>
</tr>
<tr>
<td>Rocket Series</td>
<td></td>
</tr>
<tr>
<td><strong>SOLANUM</strong></td>
<td>51</td>
</tr>
<tr>
<td>Pumpkin On A Stick</td>
<td></td>
</tr>
<tr>
<td><strong>STATICE</strong></td>
<td>51</td>
</tr>
<tr>
<td>QIS Series</td>
<td></td>
</tr>
<tr>
<td><strong>STRAWFLOWER</strong></td>
<td>51</td>
</tr>
<tr>
<td>King Size Complete Mix</td>
<td></td>
</tr>
<tr>
<td><strong>SUNFLOWER</strong></td>
<td>52</td>
</tr>
<tr>
<td>Double Quick Orange F1</td>
<td></td>
</tr>
<tr>
<td>Full Sun F1</td>
<td></td>
</tr>
<tr>
<td>Jua Series</td>
<td></td>
</tr>
<tr>
<td>Pro Cut F1 Series</td>
<td></td>
</tr>
<tr>
<td>Sunbright Supreme F1</td>
<td></td>
</tr>
<tr>
<td>Sunrich F1 Series</td>
<td></td>
</tr>
<tr>
<td>Vincent Deep Orange DMR F1</td>
<td></td>
</tr>
<tr>
<td>Vincent F1 Series</td>
<td></td>
</tr>
<tr>
<td><strong>SWEET PEA</strong></td>
<td>54</td>
</tr>
<tr>
<td>Mammoth Series</td>
<td></td>
</tr>
<tr>
<td><strong>ZINNIA</strong></td>
<td>55</td>
</tr>
<tr>
<td>Benary’s Giant Series</td>
<td></td>
</tr>
<tr>
<td>Oklahoma Mix</td>
<td></td>
</tr>
<tr>
<td>Queen Series</td>
<td></td>
</tr>
<tr>
<td>Queeny Lime Orange</td>
<td></td>
</tr>
</tbody>
</table>

Beautiful bouquets from fragrant, colorful stems.
**ASCLEPIAS**

**Silky Series - Tender Perennial**

**Form (Count):** Available as Plugs, Raw Seed (3,900/oz).

**Hardiness Zone:** Zone 7-10

**Height:** 24-28 in. (61-71 cm)

**Spread:** 8-10 in. (20-25 cm)

**Days from Transplant:** 90

(A. curassavica) Strong-stemmed plants have intensely colored blooms all Summer.

- Deep Red
- Golden yellow centers.
- Gold
- Mix: Intense reds and golds.

**COSMOS**

**Sonata™ Series - Annual**

**Form (Count):** High Efficiency Seed (4,400/oz.)

**Height:** 24 in. (61 cm)

**Spread:** 12-14 in. (30-36 cm)

**Days from Transplant:** 60

(C. bipinnatus) Easy-to-grow plants are free-flowering with golden-eyed blooms. Not short-day types; plants flower in June from March sowing. Good garden cut flower.

- Carmine
- Pink
- Pink Blush
- Purple Shade (Plugs available)
- White
- Mix: May contain most or all colors in the series.

Seeds per ounce are approximate and can vary by lot.
**Belladonna** - Perennial

*Form (Count):* Available as Plugs, Raw Seed (11,100/oz.)

*Hardiness Zone:* Zone 5a-9b

*Height:* 32-40 in. (81-102 cm)

*Spread:* 8-10 in. (20-25 cm)

*Days from Transplant:* 130

(D. X Belladonna) Sky blue.

**Casablanca** - Perennial

*Form (Count):* Available as Plugs, Raw Seed (11,100/oz.)

*Hardiness Zone:* Zone 3-10

*Height:* 42 in. (107 cm)

*Spread:* 10-12 in. (25-30 cm)

*Days from Transplant:* 130

(D. X Belladonna) White; contains a small percentage of pale blue flowers. Can be grown year-round in coastal or mild Winter regions.

**Bellamosum** - Perennial

*Form (Count):* Raw Seed (11,100/oz.)

*Hardiness Zone:* Zone 3-8

*Height:* 30-36 in. (76-91 cm)

*Spread:* 10-12 in. (25-30 cm)

*Days from Transplant:* 125

(D. X Belladonna) Deep blue, good companion to Belladonna.

**Blue Donna** - Tender Perennial

*Form (Count):* Available as Plugs, Raw Seed (11,100/oz.)

*Hardiness Zone:* Zone 5a-9b

*Height:* 32-40 in. (81-102 cm)

*Spread:* 8-10 in. (20-25 cm)

*Days from Transplant:* 100

(D. X Belladonna) Uniform, deep blue, semi double-flowered variety is heat tolerant with low disease sensitivity. Productive, multiple flush crop has a fast 12 to 16 week crop time from planting. Harvest when 25 to 30% of the flowers are open.

**Casablanca** - Perennial

*Form (Count):* Available as Plugs, Raw Seed (11,100/oz.)

*Hardiness Zone:* Zone 3-10

*Height:* 42 in. (107 cm)

*Spread:* 10-12 in. (25-30 cm)

*Days from Transplant:* 130

(D. X Belladonna) White; contains a small percentage of pale blue flowers. Can be grown year-round in coastal or mild Winter regions.
Magic Fountains Series - Perennial

Form (Count): Available as Plugs, Raw Seed (14,300/oz.)
Hardiness Zone: Zone 3-7
Height: 24-36 in. (61-91 cm)
Spread: 24-36 in. (61-91 cm)
Days from Transplant: 110

(D. elatum) Sturdy, compact plants.
- Dark Blue Dark Bee
- Blue Dark White Bee
- Mid Blue White Bee
- Sky Blue White Bee
- Cherry Blossom White Bee
- Lavender White Bee
- Lilac Pink White Bee
- Crystal Mix
- White Dark Bee
- Pure White White bee varieties only.
- Mix May contain most or all colors in the series.

Pacific Giants Series - Perennial

Form (Count): Available as Plugs, Raw Seed (15,000/oz.)
Hardiness Zone: Zone 3-7
Height: 4.5-6 ft. (137-183 cm)
Spread: 10-12 in. (25-30 cm)
Days from Transplant: 125

(D. elatum) Large, semi-double blooms. All have white bees, except Blue Jay, Black Knight and Percival, which have black bees.
- Astolat Bluish pink shades with darker tones. Can show both creamy white and dark bees.
- Black Knight Dark blue.
- Blue Bird Mid blue.
- Blue Jay Medium blue.
- Cameliard Lavender-rose.
- Galahad Pure white.
- Guinevere Lavender-pink.
- King Arthur Royal violet.
- Percival White.
- Summer Skies Light blue.
- Mix All of the series colors.

Order online at BallSeed.com/WebTrack or call 800-879-BALL
DIANTHUS

Amazon™ F₁ Series - Tender Perennial

Form (Count): Available as Plugs, Pelleted Seed
Hardiness Zone: Zone 6a-8b
Height: 18-24 in. (46-61 cm); finishes at 36 in. (91 cm) tall as a Winter greenhouse-grown crop
Spread: 10-12 in. (25-30 cm)
Days from Transplant: 110

Vibrant blooms over very dark green, glossy foliage. No vernalization required for flowering.
- Neon Cherry
- Neon Duo 50:50 mix of Neon Cherry and Neon Purple on separate plants.
- Neon Purple
- Rose Magic Each bloom starts white, ages to pink, then deep rose; shows the full color range on one flower head.

Bouquet™ F₁ Series - Perennial

Form (Count): Available as Plugs, Pelleted Seed
Hardiness Zone: Zone 4a-8b
Height: 18-24 in. (46-61 cm)
Spread: 10-12 in. (25-30 cm); finishes up-36 in. (91 cm) as a greenhouse-grown crop
Days from Transplant: 100

Bedding/landscape and commercial cut flower series has lacy, lightly scented blooms on well-branched plants with strong, straight stems. Outdoors, the vigorous plants have good heat tolerance. Well-suited to 4-in. (10-cm) pots and gallons for landscape and backyard cutting gardens.
- Purple
- Rose Magic
- Rose

Order online at BallSeed.com/WebTrack or call 800 879-BALL
**Sweet™ F1 Series - Tender Perennial**

*Form (Count):* Pelleted Seed  
*Hardiness Zone:* Zone 6a-8b  
*Height:* 18-36 in. (46-91 cm) for field-grown; taller from early Fall-transplanted, greenhouse-grown plants  
*Spread:* 10-12 in. (25-30 cm)  
*Days from Transplant:* 70  

(D. barbatus) High-yielding plants are very uniform for height and flowering time. No vernalization needed for first-year-flowering. Produces long-lasting, very fragrant blooms on vigorous, frost-tolerant plants.

- **Black Cherry**  
- **Coral**  
- **Magenta Bicolor**  
- **Deep Pink Maxine** Offers a more intense color than Sweet Pink. A top-selling color in most markets.  
- **Pink**  
- **Pink Magic**  
- **NEW Purple Improved** Richer color and improved uniformity. (No plugs available)  
- **Purple White Bicolor**  
- **Red**  
- **Scarlet** Deep scarlet; 3 to 5 days later to flower than others in the series.  
- **White** Pure, clean white flower color with no gray anthers.  
- **Mix** Includes Black Cherry, Purple White Bicolor and White.

Order online at BallSeed.com/WebTrack or call 800 879-BALL
**EUCLYPTUS**

Silverdrop - Tender Perennial

Form (Count): Available as Plugs, Raw Seed (4,900/oz.)

Hardiness Zone: Zone 6b

Height: 47 in. (119 cm)

Days from Transplant: 120

(E. gunni) Fragrant, small, blue-green leaves on vigorous, uniform filler plants with strong side branching.

**GOMPHOCARPUS**

Hairy Balls - Tender Perennial

Form (Count): Raw Seed (4,900/oz.)

Hardiness Zone: Zone 6b

Height: 47 in. (119 cm)

Days from Transplant: 120

(G. physocarpus) (syn. Asclepias physocarpa, Balloon Cottonbush) Light green, round, inflated fruits with soft spikes top long, arching stems. Well-suited to butterfly gardens. Crop time: Gallon or field grown, 17 to 18.5 weeks.

**GOMPHERENA**

QIS Series - Annual

Form (Count): Available as Plugs, Raw Seed (17,000/oz.)

Height: 24-26 in. (61-66 cm)

Spread: 8-10 in. (20-25 cm)

Days from Transplant: 90

(G. haageana)

- Carmine
- Lilac
- Orange
- Purple
- Red
- Mix May contain most or all colors in the series.
**QIS Series - Annual**

Form (Count): Raw Seed (12,700/oz.)

Height: 30-48 in. (76-122 cm)

Spread: 10-20 in. (25-51 cm)

Days from Transplant: 85

(Consolida ambigua) Uniform color and stem quality.

- Carmine
- Dark Blue
- Light Blue
- Light Pink
- Lilac
- Rose (No plugs available)
- White

**LEUCANTHEMUM**

‘Alaska’ - Perennial

Form (Count): Available as Plugs, Raw Seed (25,000/oz.)

Height: 24-36 in. (61-91 cm)

Spread: 12-24 in. (31-61 cm)

Days from Transplant: 85

(L. x superbum) Single, pure white flowers with yellow centers are 3 in. (7 cm) across, over dark green leaves.

**MARIGOLD**

**NEW** Nosento Limegreen - Annual

Form (Count): Coated Seed

Height: 28 in. (71 cm)

Days from Transplant: 85

(Tagetes erecta) This scentless African Marigold shows off fully double, greenish-yellow flowers and deep green foliage. Vase life is almost 3 weeks. Can be grown in cold or heated greenhouses as well as outdoors.

**MATTHIOLA**

Column Series - Annual

Form (Count): Raw Seed (14,800/oz.)

Height: 24-30 in. (61-76 cm)

Days from Transplant: 140-150

(M. incana) Non-branching plants bear 50 to 60% double blooms.

- Appleblossom
- Apricot
- Avalanche Pure white
- Cheerful White
- Cheerful Yellow
- Lilac Lavender
- Malmaison Pink Pastel salmon-pink
- Miracle Blue Mid Mid-blue
- Miracle Crimson
- Miracle White
- Miracle Yellow
- Pink Sweetheart
- Purple Heart

**Katz Series - Annual**

Form (Count): Available as Plugs, Raw Seed (16,900/oz.)

Height: Stem length: 32 in. (81 cm)

Days from Transplant: 90

(M. incana) Delivers shorter crop time, uniformity in flowering for stem length and timing between colors, and better heat tolerance than traditional types. Can be grown earlier and later in the season, and even be sold in flower for Christmas. About 55 to 60% double-flowering, with some selectability possible. Tunnel production is recommended for overall quality and weather protection.

- Apricot
- Blue
- Bright Rose
- Cherry Blossom
- Crimson
- Lavender Blue
- Light Lavender
- Pink
- Purple
- Ruby US PVP 201200438
- White
- Yellow

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49
SNAPDRAGON

Rocket Series - Annual

Form (Count): Available as Plugs, Pelleted and Raw Seed (170,000/oz.)
Height: 30-36 in. (76-91 cm)
Spread: 16-18 in. (41-46 cm)
Days from Transplant: 90

(*Antirrhinum majus*) Flowers well under long days.

* Bronze - All-America Selections National Winner.
* Cherry
* Golden - All-America Selections National Winner.
* Lemon
* Orchid - All-America Selections National Winner.
* Pink
* Red - All-America Selections National Winner.
* Rose Shades - All-America Selections National Winner.
* White - All-America Selections National Winner.
* Mix - May contain most or all colors in the series.

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**STATICE**

**QIS Series - Annual**

- **Form (Count):** Raw Seed (12,000/oz.)
- **Height:** 30-35 in. (76-91 cm)
- **Spread:** 8-10 in. (20-25 cm)
- **Days from Transplant:** 110

- **• Apricot**
- **• Dark Blue**
- **• Lavender**
- **• Pale Blue**
- **• Pastel** Soft, pastel shades.
- **• Purple**
- **• Rose**
- **• White**
- **• Yellow**
- **• Mix** May contain most or all colors in the series.
- **• Pastel Shades Mix** Raw Seed

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**SOLANUM**

**Pumpkin On A Stick - Annual**

- **Form (Count):** Available as Plugs, Pelleted Seed (10,000/oz.)
- **Height:** 3-4 ft. (91-122 cm)
- **Spread:** 2-3 ft. (61-91 cm)
- **Days from Transplant:** 100

*(S. integrifolium)* A must for Fall decorating! The well-branched, upright plants have strong, woody stems and very large leaves that protect the developing clusters of fruit from sun. Pale green fruit appear in late Summer and mature to bright, deep scarlet and finally orange.

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**STRAWFLOWER**

**King Size Complete Mix - Annual**

- **Form (Count):** Raw Seed (12,000/oz.)
- **Height:** 20-30 in. (51-76 cm)
- **Spread:** 12 in. (30 cm)
- **Days from Transplant:** 100

*(Helichrysum bracteatum)* This long-lasting, cool-season annual features daisy-like flowers with a vibrant color mix of yellow, white, orange and pink. Prefers full sun. Winter hardy in zone 8 and the south.
SUNFLOWER

Double Quick Orange F₁ - Annual
Form (Count): Treated Seed (560/oz.)
Height: 5 ft. (152 cm)
Days from Direct Sow: 66
(Helianthus annuus) The only single-stemmed, early-flowering double suitable for the mass market. Fully-double, golden-yellow, 4-5-in. (10-13-cm) flowers have a pollenfree, green disk. Upright habit.

Full Sun F₁ - Annual
Form (Count): Treated Seed (530/oz.)
Height: 6 ft. (183 cm)
Days from Direct Sow: 55-65
(Helianthus annuus) Classic, golden yellow blooms are 6-8 in. (15-20 cm) wide.

Jua Series - Annual
Form (Count): Treated Seed (650-700/oz.)
Height: 3-5 ft. (91-152 cm), depending on culture
Spread: 36-60 in. (91-152 cm)
Days from Direct Sow: 55-65
(Helianthus annuus) Bred for less sensitivity to cultural variations than traditional varieties. Fast-growing plants produce big, pollenless blooms over small, deep green top leaves. Very good vase life.
- Inca Mahogany/gold bicolor flower with a dark center.
- Maya Golden yellow petals with dark black center.

Pro Cut F₁ Series - Annual
Form (Count): Treated Seed (450/oz.)
Height: 5-6 ft. (152-183 cm)
Days from Direct Sow: 50-60
(Helianthus annuus) Each bright, 4-5-in. (10-13-cm) flower features a dark, pollenless disk on single-stemmed plants. Daylength neutral varieties are excellent for mass market production.
- Bicolor Mahogany with large yellow tips.
- Brilliance Unique petal color — yellow on outside intensifies to orange near the dark center.
- Gold
- Orange
- NEW Orange Excel Fusion of deep orange color on upright, single-stemmed flowers. Faster than Orange.
- Plum
- Red
- NEW White Nite Unique flowers open creamy vanilla and turn white after a few days of sunlight.

Sunbright Supreme F₁ - Annual
Form (Count): Treated Seed (590/oz.)
Height: 4-5 ft. (122-152 cm)
Days from Direct Sow: 60-70
(Helianthus annuus) Pollenless, bright yellow flowers have a large, dark brown center. Earlier and more uniform than Sunbright.
Sunrich F₁ Series - Annual
Form (Count): Treated Seed (590/oz.)
Height: 3-5 ft. (91-152 cm)
Days from Direct Sow: 50-60
(Helianthus annuus) Blooms 10 to 14 days earlier than Sunbright. Single-stemmed plants bear 5-6-in. (13-15-cm) flowers. The four Summer varieties flower 5 to 10 days earlier than others in the series.
• Gold Green face matures to golden orange.
• Lemon Bright yellow.
• Lemon Summer
• Lime Light yellow with a green center.
• Limoncello Summer White-yellow with a dark center.
• Orange Golden yellow.
• Orange DMR Offers added vigor and disease resistance to multiple strains of Downy Mildew.
• Orange Summer True orange.
• NEW Provence Summer Deeper orange color than Sunrich Orange. Double row of perfect petals surrounds the dark disk. Great uniformity, long vase life.

Vincent F₁ Series - Annual
Form (Count): Treated Seed
Height: 4-5 ft. (122-152 cm)
Days from Direct Sow: 50-60
(Helianthus annuus) Daylength-neutral series allows for flexible programming, with production of high-quality crops in early, mid and late seasons. Upward-facing flowers on strong stems have round, overlapping petals for better shipping, and an extra ring of petals for more attractive presentation.
• Choice Dark Eye Deep orange petals with a brown center.
• Fresh Light Eye Green center.

Vincent Deep Orange DMR
Form (Count): Treated Seed (450/oz.)
Height: 4-5 ft. (122-152 cm)
Days from Direct Sow: 50-60
(Helianthus annuus) All the impressive attributes of the original Vincent series, plus Downy Mildew resistance! Also features a deeper flower color and larger flower disc size than the original Vincent series.
SWEET PEA

Mammoth Series - Annual
Form (Count): Raw Seed (350/oz.)
Height: 5-7 ft. (152-213 cm)
Days from Direct Sow: 85
(Lathyrus odoratus) Large, early flowers and long stems.
- Crimson
- Deep Rose
- Lavender
- Mid Blue
- Navy Blue
- Rose Pink
- Salmon Cream
- Scarlet
- White
- Mix May contain most or all colors in the series.

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ZINNIA

Benary's Giant Series - Annual
Form (Count): Available as Plugs, Coated Seed
Height: 40 in. (102 cm)
Spread: 12 in. (30 cm)
Days from Transplant: 85
(Z. elegans) Thick stems hold 4-5-in. (10-13-cm), fully double blooms with excellent yield per plant.
• Bright Pink
• Carmine Rose
• Coral
• Deep Red
• Golden Yellow
• Lilac
• Lime
• Orange
• Purple
• Scarlet
• White
• Wine
• Mix Does not include Lime.

Oklahoma Mix - Annual
Form (Count): Available as Plugs, Raw Seed (4,400/oz.)
Height: 30-40 in. (76-102 cm)
Spread: 28 in. (71 cm)
Days from Transplant: 80
(Z. elegans) Powdery Mildew-tolerant plants bear 1.25-1.5-in. (3-4-cm), double and semi-double blooms.

Benary's Giant Lime
Benary's Giant White
Benary's Giant Bright Pink
Benary's Giant Purple
Benary's Giant Carmine Rose
Benary's Giant Orange

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ZINNIA
ZINNIA continued

**Queen Series - Annual**

*Form (Count):* Raw Seed (Varies by variety)
*Height:* 24-30 in. (61-76 cm)
*Spread:* 18-20 in. (46-51 cm)
*Days from Transplant:* 85

(*Z. elegans)* Produces a mass of fully double, 2.5-3-in. (6-7-cm) flowers. Well-branched, upright plants supply a high number of sturdy flower stems. Long vase life. Also makes a good garden cut flower.

- **Lime** (Raw Seed, 4,100/oz.)
- **Lime Red** Exotic bicolor – maroon petals topped with lime green. (Raw Seed, 3,800/oz.)

**NEW Queeny Lime Orange - Annual**

*Form (Count):* Available as Plugs, Raw Seed (4,300/oz.)
*Height:* 18-24 in. (46-61 cm)
*Spread:* 12 in. (30 cm)
*Days from Transplant:* 85

(*Z. elegans)* Show-stopping 2018 All-America Selections National Winner is highlighted by its unique color – the flowers evolve from dark coral/peach/orange to light peach with a dark center as they age. The longlasting, 2 to 4-in. (5-10-cm), dahlia-like blooms sit atop sturdy, compact plants.

- **Award-winning, one-of-a-kind color.**

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