2022
Catalog for Farms, Local Market and Bedding Plant Growers

Grower Discounts Available

Looking for untreated seed? We offer many different varieties!

To Order Call: (800) 622-7333 • +1 (864) 227-5140 (Int'l)
Fax: (864) 227-5108 www.twilleyseed.com
Dear Grower Friends,

Welcome to the 2022 Otis S. Twilley Seed Company catalog. On behalf of our entire staff, we thank you for your continued trust in our company.

Worldwide shortages and delays continue to be a challenge in our industry and many others. Nevertheless, we still find satisfaction in watching seeds grow into food and flowers. Seeds feed the world.

As always, we offer a wide array of new products, each carefully selected with our customers in mind. Look for the "wow" symbol from asparagus to zinnia. The "wow" varieties of the year are tomatoes. Please check out the Rubee series and the new "Plus" improvements of old favorites.

We strive to offer the highest quality seed available and to service your orders promptly. We wish you a bountiful growing season in the coming year. Thank you for the privilege of allowing us to serve you.

Sincerely,
George B. Park, President

George B. Park is a third generation seedman and has spent his entire working life in the seed industry. Twilley Seed Company is proud to operate as a trial site for All America Selections.

Or the Cover: Chinese Cabbage Emiko

See pg. 14 for more information.

Terms

If you pay by check, please make it payable to “Twilley Seed Co.” Payable in U.S. Funds only. There will be a $35.00 charge on all returned checks.

Credit Accounts are due net 30 days from invoice date. Interest will be charged on past due accounts at a rate of 2% per month (annual rate 24%).

Seed is non-returnable except with proper authorization from Twilley Seed Co. No returns on any special purchases or opened packets. Customers purchasing greater than $100 in special buys will be asked to sign a “no return” waiver. There will be a restocking fee of $30 on all returned orders.

Conditions of Sale

All orders are subject to the Conditions of Sale, Special Notices and Terms printed on the Order Blank in this catalog. Please read these and sign your order blank. Seed is not intended for resale or repackaging. In the event of resale and/or repacking seed, the Otis S. Twilley Seed Company shall not be held liable for any resulting claims, actions or proceedings.

Handling Charges

Include in order

If your order is: ADD
Under $25.00........................................$5.00
$25.01 - $99.99.................................$3.00
$100 or more.................................No Charge

Free shipping up to 30lbs.

Shipments outside Continental US -- including AK, HI, US Protectorates, etc. -- contact us for a quote. Express Delivery on request; charges will be added.

For fastest service use credit card and call early in the day.

Hours of Operation

Mon.-Fri. 8:00 a.m. - 5:00 p.m. EST
Seasonal Hours (January-March)
Mon.-Fri. 7:00 a.m. - 6:00 p.m. EST
Sat. 10:00 a.m. - 1:00 p.m. EST

Closed New Year’s Day, Memorial Day, July 4, Labor Day, Thanksgiving Day, Friday after Thanksgiving, Christmas Eve & Day

Grower Discounts!

Over $200 ...................... 3%
Over $1000 .................. 5%
That really adds up!

Please note the following conditions: Discount applies to any single order placed and is not cumulative over the season. Discount applies only on catalog prices. Discount does not apply to shipping charges.

Note -- Twilley Rated Credit Accounts: Discount for charge customers is applicable only on orders which are paid within 30 days from invoice.

Regarding Descriptions

Growth characteristics such as days to maturity and fruit size will vary from location to location and season to season. The descriptions in this catalog only represent an average for each seed variety.

Regarding Seed Treatment

Many crops can be affected by serious seed-and-soilborne diseases. Most of our vegetable seed is available treated with approved protectants to promote better seedling growth -- especially under cool, wet conditions -- and reduce the need for field application of pesticides. These efforts are not a guarantee against seed-borne or soil-borne pathogens, but do help protect against infection. We offer high quality varieties with resistance to diseases whenever they are available. Please look for these characteristics as you plan your purchases.

Untreated Seed: We offer many varieties as untreated seed, and have expanded our inventory to ensure more availability to you this year -- look for highlighted catalog numbers ending with U, for example: 12345678

For helpful growing information, see page 113

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Professional Seed Series for Commercial Growers

Leaders in Excellence

The vegetable variety you choose for planting is one of the most important decisions you make. Each brand in our “Professional Seeds Series” offers notable benefits to help guarantee your success in producing quality crops that bring the greatest return on investment.

Twilley constantly reviews products from breeders worldwide, investigating attributes such as quality, stress and disease tolerance, yield potentials and market acceptability. Superior varieties are added only if they represent the best in their respective classes.

Therefore, you can be confident when selecting from these vegetables.

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<td>Celebrity F1</td>
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Choose from our Outstanding 2022 Professional Seed Series:

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<td>Tomato Tasti-Lee</td>
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To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
**2022 NEW VARIETIES**

**Sweet Corn**
*Catalyst XR F1*
Earliest SuperSweet on the market. Sweet, tender bicolor ears. See page 20.

**Collard**
*Top Chop F1*
Large, upright, deep green leaves. High bolt tolerance. See page 17.

**Lettuce**
*Meridian*
The first Iceberg ever available with tolerance to Fusarium Race 1. See page 35.

**Shallot**
*(Echallion) Creme Brulee F1*
Easy to grow “banana shallot.” Mostly single center mild flavored bulbs. See page 44.

**Spinach**
*Plymouth F1*
Quick growing spade shaped leaves, slightly savoyed. Medium dark green, erect stems. See page 62.

**Tomato**
*Better Boy Plus F1*
All the original Better Boy genetics with broader disease protection and higher brix. See page 75.

**Marigold**
*NoSento Lime Green F1*
No Marigold scent. Eye catching greenish yellow flowers on tall, cutflower length stalks. See page 99.

**Asparagus**
*Grande F1*
Improved dioecious variety for extra high yields. Resistant to Fusarium Wilt. See page 7.

**Zinnia**
*Magna Mix*
Large Dahlia-flowered double blooms in a rich color range including a bright green and a deep ruby red. See page 110.
**Look For this **NEW! **Symbol!**

- **Pepper Pathfinder F1**: Spicy serrano pepper adaptable to both hot and cool weather. Smooth, shiny green fruits. See page 53.
- **Pepper SVPB8415 X10R F1**: Beautiful large, blocky bell pepper developing from green to yellow. See page 49.
- **Pumpkin Hulk F1**: The name says it all. Extra large Howden shaped pumpkins perfect for large jack-o’-lanterns. See page 56.
- **Tomato Jolene F1**: Noted best in class for heat set in trials throughout the Eastern U. S. Firm, meaty flesh and deep red interior. See page 73.
- **Tomato Rubee Dawn F1**: 57 days from transplant. Very early for a large fruited tomato. Great acid/sweet flavor balance. See page 76.
- **Basil Newton**: Bright green leaved basil with clean, refreshing Genovese flavor. Resistant to fusarium. See page 32.

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**Explanation of Symbols in this Catalog**

- **F1**: Indicates a hybrid variety
- **U**: Located at the end of a catalog number; indicates a variety of untreated seed.
- **″Professional Seeds Series™″**: a selection of Twilley varieties called "The Best of The Best". We believe that our "Professional Seeds Series" represents the best varieties available in their respective classes.
- **Designated a winner by All-America Selections**: regional winners have performed truly well in a specific regional climate while national winners have thrived in four or more regions. All-America Selections is a non-profit organization which evaluates new seed-grown flowers and vegetables from around the world for home garden performance. Winners are consistently and reliably good varieties.
- **PVP**: Indicates that a Plant Variety Protection certificate has been granted by the USDA because of the uniqueness of the variety. Symbol is also used if this certificate is applied for. Unauthorized propagation of such a variety is prohibited.

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**To Order Call:** 800-622-7333 (USA) or 864-227-5140 (Int’l)
The Otis S. Twilley Seed Company is proud to partner with Sakata Seed America to offer exceptional products from the Sakata Harvest Collection.

These vegetable seed varieties have been carefully selected for easy and dependable gardening. The wide assortment covers both cool and warm weather seasons.

Freshly harvested vegetables are not only packed full of flavor and enjoyable to harvest, but are also known to have increased health benefits. Harvesting your own collection is something everyone looks forward to.
Artichokes
About 500-600 sd/oz.

2005U Green Globe Traditional type, large green head. About 50% produce artichokes during the first season on 30” stems.
2010U Romesco Exotic Italian heirloom type, stems and artichokes are marked in bronze and purple. Ornamental/Edible.

Asparagus Perennial
(Asparagus officinalis)
About 900-1000 sd/oz. Pkt plants 25” of row. Seeds germinate in about 15 days. Grow seedlings on until following spring. Set plants 9-15” apart in rows 48-72” apart. Plantings usually yield well for many years under normal conditions.

2019U Grande F1 Mid-early. Widely adapted to cool, medium and warm climate areas. Heat resistant. Produces ideal tight head quality even in hot growing conditions. Large to jumbo spears can reach a whopping 1” diam. depending on plant spacing. Generous spacing can produce 12” spears with 1” diam, while close spacing produces longer spears with avg. 4-5” diam. Tight heads for smooth appearance. Improved genetics enables this diocious variety to achieve extra high yields while allowing more reliable seed supply. Resistant Fusarium wilt.

2028U Walker Deluxe F1 High yields, widely adapted to cool, medium and warm climate areas. All male hybrid; every plant produces spears rather than seed. Ideal quality even where harvest-time day temperature rise above 85°F. Thick, mid-green spears can reach 3/8”-3/4” diam, depending on spacing. Tight heads for smooth appearance. Tolerant of Rust, Fusarium, Corynebacteria, Botrytis. Fresh Mkt, Shipping, Restaurant, Processing.

Beans (Phaseolus vulgaris hamulis)
About 1000-2000 sd/lb 70-90 lbs/acre. Sow 2-4” apart, 1-2” deep, on 18-36” rows. 1 lb sows 200 ft. Germ about 6 days. Days to maturity are from sowing.

French Filet Beans
About 2000-3000 sd/lb.

1050U Mascotte 50 days. Very early French Filet type bean with top-bearing trait for easy harvest of clean pods. Compact, upright habit and dense fibrous root system enables Mascotte to bloom and bear prolifically in containers for home or greenhouse use as well as on open ground. Delicious crisp beans, very refined, long, slender and straight, with small sieve size and good 5-6”. Bushy plants bearing at 10” reach about 24” at top of season

1055 & 1053U Outlaw 55 days. Long, straight, extra deep green 5 1/2” pods. Upright bush holds pods well above ground. Stands well with very low risk of lodging. Tender texture and sweet flavor just right for fresh mkt harvest with high yield potential. Widely adapted with good heat tolerance. Resistant BCMV Fresh Mkt, hand or machine harvest.

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To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
**Bush Wax Pod Bean**

About 1000-2000 sd/lb.

1062U **Royal Burgundy** 51 days. Round, tender, stringless, purple pods turn green when cooked. Upright, hardy plants. Fresh Mkt.

**Bush Purple Pod Bean**

About 1000-2000 sd/lb.

1062U **Royal Burgundy** 51 days. Round, tender, stringless, purple pods turn green when cooked. Upright, hardy plants. Fresh Mkt.

**Lima Bean**

1081U **Fordhook #242 [Bush]** 75 days. Famous Fordhook quality; improved strain which reliably sets blossoms and pods under adverse weather conditions. Produces reliable yields of high quality, large-seeded limas with delicious flavor; 3-4 seeds per 4" pod. Vigorous plants, heavy yields.

1062U **Henderson [Bush]** 65 days. Baby lima type. Small, 3" pods contain 3-4 small, flat, tender, dark green limas. Erect plants. Fresh Mkt.

1091U **King of the Garden [Pole]** 87 days. Popular, giant large-seeded lima beans fine for drying. Large, wide 6" pods contain creamy white beans, 4-5 to each pod. Produces a continuous crop over a long season.

**Soybean (Edamame)**

1329U **Midori Giant** Early maturing: 65 days in South with long daylength, 90 days in north with short daylength. Branching 2-3' plants spreading to 12'. Green pods with succulent buff seeds. About 1300 seeds per lb. Widely adapted across US. Capable of large yields. Large pods, with up to 90% producing 2-3 seeds per pod.
**Beets** *(Beta vulgaris)*

Approx. 1,600 seeds/oz. PL plants 25” of row; 1 oz sows 100’. Direct sow 6-10” bizasse or 200 MSd. Sow seed 1/4” deep, 2-4” apart in rows 12-30” apart. Germ in about 8 days. Thin plants to 3” apart in the row. Days to maturity are from sowing.

**Hybrids**

2058 Falcon F1 55-70 days for 2-21/2” bunching size, 80-85 days for 3-4” jumbos. Fast grower, very heat tolerant, excellent vigor, medium top. Forms a solid blocky root with small tap and medium crown. Strong solid red color inside and out. Potential for excellent yield. Fresh Mkt, Processing.

**2065U Fresh Start F1** 25-35 days baby leaf harvest. Deep green, smooth round-oval leaves with distinct red veins and dark red stems, this beetless beet has excellent appearance for spring greens and mixes. Upright habit helps keep leaves clean and undamaged until harvest. Reaches baby-leaf size very quickly. Good disease traits. Highly bolt resistant. Resistant DM. Baby Leaf.

2065 & **2065U Kestrel F1** 53 days. Roots form smooth globe shape and deep color from very early stage. Dark interior with very little zoning. 12-15” tops, bright glossy mid green leaves, brilliant ruby stems. Small, late bolting crowns, drought hardy 10-12% sugar content. Tops stay erect and healthy due to high disease tolerance. Top appeal in bunching. Resistant CLS, Tolerant DM, RZ. Fresh Mkt, Baby Beets, Processing.

2075 Merlin F1 55 days. Solid dark red interior resists zoning even in adverse hot weather. Bright red stems 15-17” with dark green leaves that stay green all season. Roots have refined crowns, tap roots, smooth skin and high Brix. Small slow bolting crown. High 12-15% sugar content and bright attractive appearance. Resistant CLS, DM, and Drought. Fresh Mkt, Processing.

2085 & **2085U Red Ace F1** 53 days. Detroit Red type, well suited to a wide range of growing areas. Full globe shaped red roots, uniform deep red interior color. Strong, graceful tops 13-15”. Fresh Mkt, Processing.

2090 Red Cloud F1 60 days. Perfectly round shape. Solid deep red zoneless interior. Non tapering base, smooth refined crown. Attractive red 14” stems, green leaves. Very high sugar content. Pacemaker type, best sub when needed. Fresh Mkt, Processing.

**Detroit Dark Red Medium Top**

- Detroit Dark Red
- Medium Top
- Variety: F1
- Cat# 2055 & 2050U
- Detroit Supreme
- 59 days. Refined Detroit type. Dark red interior, very light zoning. Smooth globe shape, small smooth crowns. Dark matte green leaf on 14-16” tops. High tolerant to bolting and very high yield potential. Tolerant CLS, DM. Bunching, Fresh Mkt, Garden.

2060U **Green Top Bunching [Early Wonder]** 52 days. Early, sweet roots; high quality tops. Bunching. Fresh Mkt.

2084 **Rainbow Mix** 60 days. Bright ornamental edible blend of colored beet roots. Includes roots that are white w’ white stem, golden w’ golden stem, ringed red/white with rose tinted stem, ringed rose/carmine with red stem & purple foliage, as well as the traditional deep beet red, with deep purple stem & foliage. Delicious sweet roots. Stem & leaf can be used as greens like chard. Fresh Mkt, Edible Ornamental, Container Sales.


**Beet Disease Codes**

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**To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l)**
**Broccoli**

( *Brassica oleracea*, *Botrytis Group*)

Approx. 9,000 seeds/oz. Seeds germ in about 10 days. Set plants 12-24" apart in rows 18-36" apart.

**2103 ArtWork F1** Dual Purpose. 5" crown heads in 50 days from summer transplant or 60 days spring, about a week earlier than Packman, for which ArtWork is currently the best early replacement. 10-14 days after crown harvest, aggressive side shooting yields high volume of broccoli bouquets which continues over a prolonged period, usually until growing conditions become unfavorable. If only shoots are desired, the crown can be pinched at 1" diam at 40-45 days from transplant, with side shoots coming in 10-14 days and onward. The entire side shoot is delicious as broccoli bouquet from its long stem to the compact clusters of fine beads at the tip. Vigorous 20-24" branching plants. Pinch the central stem just before it becomes dime-sized to promote growth of side shoots. Wonderful mild sweet flavor, and bright green color that kids of all ages love. Continues to produce after cutting for another 4 weeks. Good for early spring and fall crops. Can be planted at close spacing for high yield. Specialty Mkt, Fresh Mkt, Restaurant.

**2104U Asprabroc F1** 50-60 days. You may have seen this type in the produce section at grocery stores recently. Thin tender, asparagus-like stems bear numerous fronds of small linear florets along the upper section. Vigorous 20-24" branching plants. Pinch the central stem just before it becomes dime-sized to promote growth of side shoots. Wonderful mild sweet flavor, and bright green color that kids of all ages love. Continues to produce after cutting for another 4 weeks. Good for early spring and fall crops. Can be planted at close spacing for high yield. Specialty Mkt, Fresh Mkt, Restaurant. Note - Orders for more than 10,000 seed require breeders marketing agreement. Please call for information.

**2106 Burney F1** 65-70 days. Warm weather tolerant. Part of the Eastern Broccoli Project. 5-6" domed heads for premium crown cuts. Crops in spring, late summer or fall. Mid green heads, uniform medium bead. Large frame plant about 24-30". Resists purpling under stress. Dense heads promote high pack-out weight. Consistent in trials all over the eastern US including Georgia and other high temp areas. Crown and bunching mixes.

**2108 Castle Dome F1** Heads are uniformly large, deep and heavy domed with small tight beads. Early maturity and good holding ability. Noted in trial reports for good cold vigor and heat tolerance. Compact 22" plants with open habit. Resistant HS, BB. Crown cut packs, Bunching, Florets. **2108 Destiny F1** 60-65 days. Mid early harvest. Compact plants. Good heat tolerance and good fall cropping in breeder trials. Premium quality. Large smooth dome shaped heads are clean green with medium small beads. Produces side shoots after central head has been cut. Fresh Mkt, Regional Grocery, Bedding Plant. **2130 Emerald Jewel F1** 67-77 days. Classy smooth dome shaped heads, with dense, small beads. Tall clean stems. Excellent for crown cut and versatile for fall, late fall, and spring to early summer harvest. Overwinter production may add 20 days to maturity time. Tolerant DM, CR. Crown Cut, Fresh Mkt.

**Emerald Jewel F1**

**2103 ArtWork F1**

**Asprabroc F1**

**Castle Dome F1**

**Burney F1**

**Destiny F1**

**Eastern Broccoli Project**

In recent years, broccoli has become a major specialty crop in the United States, but the lion's share of it is produced in California and trucked long distances to reach markets. Broccoli plants resist flowering when faced with more than 8-10 hours of heat per day. Without flowers, there can be no florets, so the farmer ends up with fields of green, leafy plants. No flowers, no broccoli stems.

In 2011, plant scientists at Cornell University set a goal to develop broccoli varieties that will grow in the hot, humid climate and variable weather conditions of the eastern United States. Success would result in a boon to the increasing interest in a ready supply of locally grown food. The advantages of delicious farm fresh produce and lower shipping costs will offset expected lower yield per acre.

This year, Twilley Seed is pleased to offer two varieties which have proven themselves in the Eastern Broccoli Project: Look for Broccoli Burney and Broccoli Lieutenant hybrids to grow for local market.
**More Broccoli**

**2132U** Green Magic F1 60-65 days. Mid early and widely adapted across production areas. Uniform harvest of large, tight, semi-domed heads with medium to small beads. Sturdy habit stands well in field with good access for harvest. Small leaf nodes leave little scar when stalk leaves are removed at harvest. Fresh Mkt, Processing.

**2135U** Gypsy F1 65 days. Among the earliest Broccolis to tolerate and perform well after the onset of warmish weather. Overall uniformity, excellent smooth domed heads with small tightly refined heads. Tolerant DM. Bunching, Crown Mkt, Fresh Mkt, Shipping.

**2138 Lieutenant F1** 75 days. Early and well adapted to warm season. Part of the Eastern Broccoli Project. Heads up into a smooth deep green crown with medium beads. Long clean stems with minimal side shoots, excellent for bunching. Concentrated harvest window. Minimal hollow in main stem. Uniform beads, minimal cat eye in heads. Vigorous foliage with good head protection. Bunching, Floret, Local/Regional Crown.

**2140 Marathon F1** 75 days. Deep, dome-shaped heads, small beads, and vigorous plants. Tolerant BLS, BR, DM, HS. Fresh Mkt, Processing.

**Broccoli Raab** *(Brassica Rapa, Ruvo Group)*

Approx. 9,000 seeds/oz. ¼ oz sows 100' of row. Direct-sow 2 lbs/acre. Sow seeds ¼” deep in rows 2½-3’ apart. Seeds germ in about 10 days.

**2177U** Spring Sprouting 60 days. Of Popular ethnic vegetable. Early. Many small, tender shoots and leaves with delicious flavor. Fresh Mkt.

**Brussels Sprouts** *(Brassica oleracea, Gemmifera Group)*

Seeds germ in about 10 days. Set plants 18-24” apart in rows 24-30” apart. Days to maturity are from sowing.

**2192 Confidant F1** 145 days from sowing. Midseason variety with high yield potential due to strong FY resistance and tight packed stem. 1-1½” sprouts of excellent deep green color and uniform round shape. Stalk averages 25” and is lined with 16-19 rows of sprouts. Resistant FY. Fresh Mkt, Processing.

**2206 Hestia F1** 100 days. 1” diameter sprouts have bright green wrappers and smooth, dense yellow interior. Erect 24” plant, very uniform, with strong frost tolerance and delicious flavor after temps fall into the 30’s. Found to tolerate both warm and cool weather with good flavor, in AAS trials. Southeast, Mountain/Southwest.

**2209 Jade Cross E F1** 90 days. Extra early, can be sown later than most varieties and still matures well in early frosts. Shorter stalks than most varieties, less prone to lodging or other wind damage. High yield of medium firm, round, 1” diam, deep green, well wrapped sprouts spaced closely on stalk. Tolerant of heat stress. Widely adapted.

**2210 Jade Cross F1** 90 days. Popular Jade Cross type but with Extra disease tolerance. Vigorous stalks packed tight with high yield of firm, deep green, well wrapped sprouts. Early maturing, can be sown later than other varieties and still mature well in early frosts. Compact stalks less subject to wind damage or lodging. We suggest topping plants 3 weeks before harvest. Tolerant Botrytis. Fresh market, processing and home garden.

**Brussels Sprouts Disease Code**

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**Broccoli Disease Codes**

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**Brussels Sprouts Disease Code**

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<td>Lieutenant</td>
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<td>Marathon</td>
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**Green Magic F1**

(USA) **To Order Call:** 800-622-7333 or 864-227-5140 (Int’l)
Cabbage

(Brassica oleracea, Capitata Group)

About 5000-6000 seeds; Germ about 10 days. Set plants 12-24” apart on 24-36” rows. Shipment just prior to mkt. Days to maturity are from transplant.

Early Green

2229 Charmant F1 52-64 days. Stone type, with larger heads. Solid, compact, deep blue-green 2¼-3 lb heads are uniform, with good wrapper leaves. Up-right, vigorous, plants suited to close planting, spring or summer; well-adapted to all growing areas. Excellent baby cabbage. Resistant BR, FY, TB. Fresh Mkt, Processing, Shipping.

2233 Fast Vantage F1 Extra early heading, just 50 days from transplant in trials. Round, green, medium to medium-small heads with excellent sweet flavor and good heat tolerance. Improved uniformity in cool conditions. Fresh Mkt.

2241 Gallican F1 65-70 days. Mid-Early to Main. Tall stem with upright wrappers holds perfectly round heads well off the ground for cleaner harvest. Heads are dense, 3-5 lb, 7-5.5”-8” diam with no bottom leaves lying on the ground. Sweet salad type with wonderful flavor raw or cooked. Good field durability, deep green wrappers. Fresh mkt, Restaurant, Slaw, Shipping...

2259 Katarina F1 45 days. Very sweet, crisp, early and mild, with much less bitterness than comparisons. Small tight 4” heads for baby cabbage that make gourmet cole slaw and won’t crowd a fridge. Plant 10-24” depending on stage. Grows small side heads after harvest of main head. Gdn Ctr, Restaurant, Roadside.

2284 Quick Start F1 55 days. Early, solid head cabbage with a short core. Uniform plants produce 3½ lb heads. Widely adapted. Tolerant FY. Fresh Mkt. Shipping.

2348 Stonehead F1 45-50 days. Early. Mid-sized 2-3½ lb heads. Round, smooth, gray green, and very tight. Compact habit allows close spacing, Tolerant TB. Fresh Mkt, Shipping. Bedding plant.

Main Green

2219 Blue Vantage F1 67-80 days. Ball head type. Deep blue-green heads weigh 3½-4 lbs and 6½” with short core on medium plants. Strong, sturdy plants produce well-developed root systems which help withstand moisture fluctuations. Resistant BSI FY, TB, Tolerant BR. Fresh Mkt, Shipping.

2225 Bobcat F1 80 days. Blue-green. Excellent disease package. Round heads to 4½ lbs. Very solid with short core, holds well in field. High disease rating can allow for high consistent yield potential. Resistant FY 1. Tolerant AL, BR, BSI, TB, TT. Fresh Mkt, Shipping, Shredding.


2360 SuperStar F1 80 days. High quality fancy pack heads with great flavor. Excellent wrapper leaves and great holding ability in field and after harvest help deliver top quality all the way to mkt. Medium large 3 lb heads are 6-7” across, just right across from main mkt. Resistant FY 1, Tolerant BR. Fresh mkt, Shipping, Processing.

2224 OS Cross F1 80 days. Large frame, resists burning til very late. Flat-round 5lb heads which can be grown to 14 lbs under optimum conditions. Adapted worldwide, heat tolerant.

### Cabbage Disease Codes

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<td>Fusarium Yellows &amp; Race #'s</td>
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More Cabbage

Midlate Green

2256 Gunma F1 80-85 days. Huge, Danish flat round hybrid. Large frame plant spreading 22’-24” has potential for 5-7 lb heads up to 9”-12”. Mid-green, mid-main season. Big, sweet, tender with fluffy interior that is superior for shredding, slaw, kraut, mixed salad. Very short core. Resistant TB. Kraut, Shipping, Shredding, Roadside.

2258 Harvest Mist F1 80 days. Very large, 9.9 lb avg. head weight. Deep blue green wrapper leaves, ivory white interior. Flat round shape held up away from soil, very firm. Uniform, heat tolerant, a very good shipper. Grows a beautiful field of cabbage. Exceptional heat and cold tolerance. Fresh Mkt, Adapted to close spacing. Very high yield potential and good field holding ability. Exceptional heat and cold tolerance. Fresh Mkt, Shipping.

2289 Red Jewel F1 67-75 days. Midseason producer of deep ruby red heads, well filled and full colored, with short core, 6” across, weighing about 3 lb. Fine shape, color, solidify and uniform maturity. Semi open frame, good wrapper protection. Erect plant type holds well above soil splash. Uniform maturity. Tolerant TB. Fresh Mkt, Fresh Cut Mkt.

2362 Ruby King F1 70 days. Bright purplish-red color. Solid, round 4 lb heads. Excellent wrapper leaves and upright habit well adapted to close spacing. Very high yield potential and good field holding ability. Exceptional heat and cold tolerance. Fresh Mkt, Shipping.

2309 Ruby King F1 70 days. Bright purplish-red color. Solid, round 4 lb heads. Excellent wrapper leaves and upright habit well adapted to close spacing. Very high yield potential and good field holding ability. Exceptional heat and cold tolerance. Fresh Mkt, Shipping.

2362 Ruby Perfection F1 80 days. Deepest red color. Very attractive deep red, oval, large 3-4 lb heads. Large-framed, vigorous, uniform plants. Excellent interiors.

2358 Super Red 115 F1 115 days. First true storage red cabbage that is Fusarium Yellow race one resistant. Medium sized round heads are nice red color with fancy wrapper leaves. Strong vigor with very good yields. Resistant F1, TT. Fresh Mkt, Storage.

Red

2287 Red Dynasty F1 75-80 days. 7-12 lbs. Extra large round-oval red cabbage. Both wrappers and interior leaves are red. Main season. Large frame, holds well in field and storage. Resistant FY, TB. Tolerant BR. Fresh Mkt, Processing.

2325 Melissa F1 80 days. Productive main season. Solid bright green, crinkle leaved heads, 6-7”. average 2½ lb. Rich sweet savoy flavor, excellent for slaw or mixed salad. Vigorous & cold tolerant, can be planted for late fall harvest. Fresh Mkt, Shipping.

Savoy

2219 Savoy Ace F1 78 days. Fine quality main season savoy heads of good deep green color; uniform, rounded, averaging 3½ lbs. Excellent interior, attractive, sold as cut halves in shrink wrap. Medium-sized plants. Adapted to all areas.

2222 Deardon F1 105 days. Attractive red headed savoy cabbage. Large solid 3-5 lbs. heads develop shiny red appearance which intensifies at mature stages and is strongest in cool autumn weather. High beta carotene for extra health kick. Glossy reddish leaves are veined lavender purple. Smooth, sweet taste. Excellent choice for mixed salad. Fresh Mkt, Shipping.

2235 Melissa F1 80 days. Productive main season. Solid bright green, crinkle leaved heads, 6-7”. average 2½ lb. Rich sweet savoy flavor, excellent for slaw or mixed salad. Vigorous & cold tolerant, can be planted for late fall harvest. Fresh Mkt, Shipping.

Beira Tronchuda listed on page 37

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
Chinese Cabbage

(Brassica rapa, Pekinensis Group)

**Chinese Cabbage**

**New Nabai F1**

Cat# | Chinese Cabbage | 200 sd | 1000 sd | 5 M (per M) | 10 M (per M) | 50 M (per M) | 100 M (per M)
--- | --- | --- | --- | --- | --- | --- | ---
2688 | Apollo | 1.65 | 4.10 | 3.30 | 2.65 | 2.40 | 2.20
2693 & 2693U | Blues | 1.60 | 4.35 | 3.35 | 2.70 | 2.45 | 2.25
2695 | China King | 2.25 | 8.40 | 6.75 | 5.35 | 4.85 | 4.40
2703 | Emiko | 2.10 | 8.40 | 6.75 | 5.45 | 4.80 | 4.20
2707 | Green Rocket | 1.75 | 3.75 | 3.00 | 2.45 | 2.20 | 2.00
2713 | Monument | 1.75 | 3.95 | 3.20 | 2.55 | 2.30 | 2.15
2718 | Optiko | 2.30 | 8.20 | 6.55 | 5.15 | 4.55 | 4.00
2728 | Asian Delight | 1.45 | 5.75 | 4.60 | 3.70 | 3.25 | 2.90
2740 | Joi Choi | 1.70 | 5.95 | 4.80 | 3.85 | 3.50 | 3.20
2745 | Mei Qing Choi | 1.65 | 6.25 | 5.00 | 3.85 | 3.50 | 3.20
2748U | New Nabai | 1.55 | 2.25 | 1.80 | 1.55 | 1.35 | 1.25

**Chinese Cabbage Disease Codes**

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<td>Alternaria Leaf Spot</td>
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**Michihili Type**

**Narrow Cylindrical Shape**

**3713 Monument F1**

80 days. Strong, vigorous 18" plants produce long, uniform, dense, cylindrical heads with deeper green outer color, white interiors. Tolerant BS, BR.

**2707 Green Rocket F1**

70 days. Early variety with bright green crispy leaves—very tall with heads weighing 4-4½ lb. Notably long shelf life. Recommended for fall to winter harvest. Fresh Mkt, Shipping.

**Napa Type Barrel Shape**

**2688 Apollo F1**

65 days. Excellent heat tolerance and good cold tolerance. Well suited for spring sowing and early summer harvest in temperate regions. Bright green 5 lb heads, light yellow interior. Excellent field holding ability. Tolerant CR, BSR, Fresh Mkt.

**2693 & 2693U Blues F1**

57 days. Early with broad, squat heads. Multiple disease resistance and very slow to bolt. Recommended for spring to early summer crops. Mature heads average 4.5 lbs, fresh green leaves with wide white midrib. Tolerant AL, BS, DM, YT, BR.

**2695 China King F1**

55 days. Compact frame can be planted at close spacing to produce baby cabbages. Barrel shaped heads, green wrappers, crispy light creamy yellow interior. Early maturity and very slow bolting give good harvest flexibility. Very uniform in all traits. Tolerant TB. Fresh Mkt.

**2703 Emiko F1**

55 days. Highly consistent, productive Napa with tender, mild heads well protected by deep green wrapper leaves. Holds well in the field and resists bolting in summer conditions. Tolerates crowding very well. Can be spaced closely at 10-12" in the row for smaller 2-4 lb heads or at 18-20" for larger 6 lb heads.

**2707 Green Rocket F1**

55 days. Highly consistent, productive Napa with tender, mild heads well protected by deep green wrapper leaves. Holds well in the field and resists bolting in summer conditions. Tolerates crowding very well. Can be spaced closely at 10-12" in the row for smaller 2-4 lb heads or at 18-20" for larger 6 lb heads.

**2718 Optiko F1**

60 days. Early, vigorous, barrel shaped Napa type heads 12" x 5". Extremely bolt tolerant. Mid green wrappers, white ribs. High yield potential due to extra disease resistance. Resistant Y. Tolerant TB.

**Pak Choi**

**Traditional Shape**

**2728 Asian Delight**

25-40 days. AAS Winner 2018. Tested nationally and proven superbly resistant to bolting. In trial after trial, Asian Delight did not bolt even after the comparisons had gone to seed. This trait provides potential for very high yields and adaptability to seasons and regions in which Pak-Choi has been difficult. Medium small heads, 5-7” spreading 8-10”, or 6-10 oz, with mild flavor, tender white ribs, and dark green semi-savoyed leaves. Fresh local mkt, shipping, gdn ctr plant sales.

**2740 Joi Choi F1**

55 days. Extremely well adapted to fall and winter planting. Highly adaptable for hydro-ponic. Very tender, shiny, dark green leaves with tender white stalks. Uniform plants are slow to bolt, high yielding and cold tolerant. Fresh Mkt.

**2745 Mei Qing Choi F1**

40 days. First hybrid Pak Choi with green petioles—produces highly marketable plants. Easy to grow, attractive heads are tender, excellent eating quality. Vigorous, early, uniform plants are upright, compact and slow to bolt. Well adapted to spring/fall sowings; tolerant to heat and cold. Fresh Mkt.

**2748U New Nabai F1**

45 days. Heat tolerant and slow bolting. Baby white with attractive 6" heads. Deep green outer leaves form nice protective arch over thick, pure white petioles. Fresh Mkt.
**Starlet Carrots**  
*(Daucus carota sativa)*

**Danvers Type**

**2533U Danvers #126 Improved** 75 days. Heavier yield than Danvers. Smooth, orange-red roots have well colored cores, avg 6-8” (about 1” longer than Danvers). Heat-resistant tops. Fresh Mkt, Storage.

**Imperator Types**

**2535 Deep Purple F1** 80-90 Days. Dark purple color to the core. Sweet flavor, well suited to juicing. 7-8” tapered roots. Tall strong healthy tops. Medium Resistant CS. Fresh mkt, Juicing, Specialty.

**2540 Fuerte F1** 65 days. Blunt Imperator type with smooth exterior. 8-10’ x 1.5”. Mid orange with refined core. Nice sweet flavor, avg 5%-7% Brix, with high carotene, avg about 140 ppm. Strong 16’ dark green tops. Exceptionally high yield potential and excellent field-holding ability. Tolerant ALB. Bunching, Cello pack, Cut/Peel.

**2549U Envy F1** 70 days. Mid-early to main. Smooth, dark-green stalks, excellent eating quality with lots of crunch. Good stress resistance, with abundant foliage rising above stalks. Plant resists bolting, is compact and heavy with high yield potential. Overall height is 2 ft, producing 1 ft stalks at harvest. Resistant FW, Tolerant seed.

**2566 Rainbow F1** 90 days. Mid-early to main. Bright yellow eye appeal. 10½ x 1¼” tapered roots, smooth and crisp. Extra interest for salad. Novelty color carrot market. Restaurant, Roadside.

**Baby Nantes Types**

**2523 Adelaide F1** 65 days. Perfect for the baby carrot mkt. 3½ ’ x 1½” cylindrical, smooth, blunt roots. Interior is bright orange and coreless. Tops are 6”. Fresh “Baby” Mkt and Home Garden.

**2549U Little Finger** 50-68 days. OP Baby nantes type. Roots color quickly, can be pulled early at 3” x ½”. Blunt cylindrical roots, smooth skin, very small core. Somewhat small tops. Must be harvested early for quality baby carrots. Baby Fresh Carrots, Canning, Pickling.

**Nantes Types**

**2538 Emny F1** 66 days. Large, 12” x 1¼” cylindrical roots. Sweet, smooth, uniform bright orange roots taper very slowly to blunt ends. Fast vigorous growth, early maturity. Top variety for production of fresh jumbo carrots. Fresh Mkt, Garden.

**2540 Fuerte F1** 65-70 days. Mid-Early. High quality Nantes hybrid. Uniform shape and size, strong tops. Cylindrical mid-orange roots 6-9” with blunt tip and some shoulder, diam about 1½” at tip to 2½” or shoulder. Tops are vigorous, strong stemmed, 18-24”. Proven capable of high yields in many areas. Fresh Mkt, Bunching, Shipping. Can also be good for juicing.

**2543 & 2543U Ingot F1** 70-75 days. 8” x 1¼”. Sweet, full sugar flavor, high color, beta carotene, high yield potential, smooth roots. Strong mid green tops, 15-18”. Fresh Mkt, Roadside, Bunching, Juicing. Limited availability until next crop.

**2568U Scarlet Nantes** 68 days. OP Popular variety for early market. Attractive, quality roots 6-7” with dependable, delicious flavor, sweet and tender. Fresh Mkt.

---

**To Order Call: 800-622-7333 (USA) or 864-227-5140 (Intl)**
Cauliflower
(Brassica oleracea, Botrytis Group)

Approx. 7,000 sd/oz. Seeds germinate in about 10 days. Set plants 14-24” apart in rows 24-36” apart. Days to maturity are from transplant.

2608 Amazing 75 days. Or Truly amazing quality and earliness. Large vigorous plant produces thick leaf jacket. Deep-domed, bright white heads 7” to 8” are heavy and firm. Hearty flavor and crisp texture. Adapted for early and late markets. Fresh Mkt, Shipping.

2610 Baby F1 45-55 days. Novelty item for container production. Can be set year round in 4” pot with visible curd for fresh harvest at home in 1 - 2 weeks. Head will be about 3” diam. Needs 12 hour light to induce bud set. Gdn Ctr Container Sales, Novelty, Patio.

2613 Candid Charm F1 65 days. Best in cool areas for summer harvest. Large, deep dome-shaped curds 7-9” are pure-white and uniform in maturity. Very heavy yields. Excellent quality; non-ricey, long holding ability without purple cast. Vigorous, semi-upright plants have large, dark green leaves which cover heads well. Fresh Mkt, Processing.

2623 Cheddar F1 68 days. Unique orange heads are uniform, smooth and well domed. Weight and firmness is similar to white varieties, but it has about 25 times more beta carotene. Easy to grow when spring planted in areas of moderate temperatures. Leave head untied for maximum orange color. In warmer regions, plant later to assure head development for fall harvest. Excellent flavor cooked or raw (color deepens when cooked). Specialty, Fresh Mkt, Salad Mix.

2627 Fioretto 60 days. Heat tolerant. Special type produces long, slender florets in great abundance. Bright green stems grow to near uniform 5” length, bearing a bouquet of snow white caps at end of stem. Sweet flavor both cooked and raw for salad or dipping. Can be sold in bunches or cello cartons. Extended harvest is possible from successive sowings, due to heat tolerance.

2630 Fujiyama 65-75 days. Widely adapted across trials in a broad range of climate areas. Large high quality 7” domed heads with clean blowing white fine textured curd. Vigorous plant provides ample wrapper leaves for curd protection. Maturity is uniformly early. Fresh Mkt, Shipping, Gdn Ctr Plant Sales.

2635 Multi-Head White F1 50-60 days. Dual use. Produces a central head and 3-7 smaller side heads which can keep bearing for 3-6 weeks. Central head about 6”, subheaded by 2-3 mid size 3” curds and 3-5 small 2” curds. Compact waxy foliage slows dehydration. Good tolerance of fungal disease. Dual user; main head and side shoot florrets.

2653 Snow Crown F1 68 days. Earlier, more uniform Snowball type. The high quality, well-rounded, pure-white heads measure up to 8” across, have good depth and stay tight several days after harvest. Vigorous plants with potential for big yields. Fine raw or cooked.

2654 Steady F1 65 days. Widely adapted across trials in a broad range of climate areas. Large high quality 7” domed heads with clean blowing white fine textured curd. Vigorous plant provides ample wrapper leaves for curd protection. Maturity is uniformly early. Fresh Mkt, Shipping, Gdn Ctr Plant Sales.

Cat# Cauliflower (M=1000) 100 sd 1000 sd 5 M (per M) 10 M (per M) 50 M (per M) 100 M (per M)
2608 Amazing 2.75 20.40 16.60 12.00 11.40 11.00
2613 Candid Charm 2.60 20.70 16.60 13.15 12.45 11.70
2630 Fujiyama 1.60 11.90 9.60 8.15 7.20 6.60
2653 Snow Crown 2.35 18.45 14.80 11.95 11.40 10.85
2654 Steady 3.50 26.20 21.00 14.95 13.50 12.15

Cat# Cauliflower (M=1000) 25 sd 100 sd 500 sd 1000 sd 5 M (per M) 10 M (per M)
2610 Baby Cauliflower 2.65 7.80 31.20 49.50 44.70 40.25
2623 Cheddar 5.00 15.55 62.20 86.30 77.90 70.15
2627 Fioretto 2.70 8.35 33.85 57.40 50.90 46.60
2638 Graffiti 4.05 12.45 49.95 80.85 73.00 65.75
2635 Multi-Head White 2.65 7.80 31.20 49.50 44.70 40.25

Email: twilley@twilleyseed.com Fax: 864-227-5108
Collards
(Brassica oleracea, Acephala Group)

Approx. 9,000 seeds/oz. Pkt plants 25 ft. of row; ¼ oz sows 100 ft. Direct-sow 2-4 lbs/acre. Sow seeds thinly, ¼” deep 12-24” apart in rows 24-36” apart. Seeds germinate in about 10 days. Days to maturity are from sowing.

2777 Flash F1 75 days. Smooth, flat, broad, deep green, early Vates type. Upright 18” plants are slow to bolt. Fast re-growth and good uniformity. Fresh Mkt, Processing.

2782 Georgia Southern 80 days. Well adapted to all areas; performs well under adverse conditions or poor soil. Plants reach about 3’ in height. Upright, large, blue-green leaves on non-heading plants. Fresh Mkt, Roadside, Processing, Gdn.

2789 Hi-Crop F1 Uniform, deep green, semi-savoyed tender leaves. Versatile and vigorous hybrid, tolerates both heat and cold. Excellent producer of medium size plants in both long, hot and short, cool season areas. Plants can be harvested at one time. Fresh Mkt, Processing.

2792 Morris Heading 65 days. Popular in traditional southern markets. Leaves grow straight up in young stages and are picked for early greens. After leaf harvest, plant can be left in field to form a head which can be harvested and used like cabbage. Treated seed.

2798 Top Bunch 2.0 F1 70 days. High quality hybrid produces attractive, uniform, blue-green leaves, slightly wavy, with close internode spacing. Early bearing and quick regrow after harvest. Vigorous plants have high yield potential. Upright habit for clean harvest. Improved successor to original Top-Bunch. Fresh mkt, Bunching, Machine Harvest, Processing.

2799 Top Chop F1 74 days. Upright leaves are very large and broad, deep green and flat, with strong potential for bountiful harvest. Very high bolt tolerance; the slowest to bolt so works well in overwinter production as well as summer-fall. Very uniform growth promotes consistency in timing and yield.

2802 Vates 75 days. The standard, most well known variety. Compact plants with thick, broad leaves grow 1½ -2’. Fresh Mkt, Processing.

To Order: Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
## Selecting Sweet Corn Varieties

Sweet Corn breeders have been working with many new genetic combinations affecting the sugars in sweet corn varieties, which in turn affects classification of varieties. So far, there has not been complete agreement about classifying various types. Twilley’s research department continually looks at different varieties and how they perform. The following information will help clarify types listed by Twilley, so you can choose which variety is best for your sweet corn production. None of our sweet corn varieties are GMO.

**Sh2** corn avg 3,500 sd/lb  
**Other sweet corn** avg 2,500-3,000 sd/lb

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### Genotype  General Information

<table>
<thead>
<tr>
<th>Genotype</th>
<th>General Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Sugary Gene Type (<strong>su</strong>)</td>
<td>The standard sweet corn for many years. This type has creamy corn flavor and mild sugars. They are best used very soon after picking, as conversion of sugar to starch is rapid.</td>
</tr>
<tr>
<td>Homozygous Sugary Enhancer Gene Type (<strong>se</strong>)</td>
<td>100% of kernels are sugary enhanced. Each kernel has higher sugar content than Normal Sugary Gene types but also has comparable levels of starch. This makes the corn both sweet and creamy with a tender pericarp. The higher sugar levels result in hybrids that maintain their quality over a longer period of time. Homozygous denotes that both parents are se. <strong>Isolation required.</strong></td>
</tr>
<tr>
<td>Homozygous Shrunken 2 Gene Type (<strong>sh2</strong>)</td>
<td>Also known as Supersweets, 100% of these kernels contain 2 to 3 times the sugars of Normal Sugary Gene types. The high sugar content gives sh2 seed a shriveled appearance; the seed is lighter and has a higher count per pound. Sh2 has a slower conversion of sugar to starch, allowing longer storage and/or long distance shipping. Supersweets are sensitive to soil temperature. Soil should be consistently warmer than 55° at sowing. Examples of this group include SummerSweet®, X-tra Sweet® and X-tra Tender®. <strong>Isolation required.</strong></td>
</tr>
<tr>
<td>Synergistic Types</td>
<td>Also known as Heterozygous Shrunken 2 Gene Type (<strong>sh2 + se</strong>), this class contains 75% se kernels and 25% sh2 kernels on each ear. These are not recommended for long distance shipping or processing. These can be found under the Synergistic headings by color. <strong>Isolation required.</strong></td>
</tr>
<tr>
<td>Augmented Shrunken</td>
<td>These are a new generation of shrunken types. Like regular shrunken, they contain the sh2 gene but have extra juiciness and sugar from incorporating se and su genes as well. Soil temperatures must be at least 60°. <strong>Isolation required.</strong></td>
</tr>
<tr>
<td><strong>SuperSeedWare®</strong></td>
<td>Breakthrough improvement of sh2 type; non-GMO. Plump, smooth, high-vigor kernels in a Super Sweet Corn. Can be sown earlier and grown more easily, like old-fashioned corns. <strong>Isolation required.</strong></td>
</tr>
<tr>
<td><strong>SRG®</strong></td>
<td>Thicker foliage that stays deep green all the way to harvest. Extra ear protection from broad, healthy flag leaf, stronger photosynthesis, extra market appeal.</td>
</tr>
<tr>
<td><strong>H-Glow®</strong></td>
<td>Bright glossy pericarp that gives eye catching kernel color at market and on the table.</td>
</tr>
</tbody>
</table>

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### Soil Temperature

If sown too early in the season, corn will not grow well. Wait until soil is over 55°F. Only treated seeds of cold-germinating varieties should be planted before that time.

### Isolation

Many types of sweet corn must be isolated from other corn to limit pollen crossover. This can be achieved by using varieties with different maturity timing, sowing at different times, or separating by physical location.

### Planting

Full sun is necessary. Sow seeds 1” deep and space 6-7” apart. Rows should be approximately 32” apart. Untreated seed should be planted more densely. To ensure proper pollination, think “four”: plant in blocks of at least four rows, each at least four feet long.

### Pests/Diseases

Conditions vary depending on location. For the best information regarding each region, we advise you to consult your local extension service.

### Harvest

Corn is ready to eat when the silk turns dry and dark brown and kernels are milky.
**SuperSeedWare®**

SSW® is a new and exciting breakthrough in super-sweet corn genetics. Developed and patented by Abbott & Cobb, SSW®’s are 100% natural. They have notably enhanced performance even with early plantings in colder or wetter soil. Growers can expect strong stalk and root systems, early maturity, better disease tolerance and high yields. SSW®’s also have dramatically improved seed storage and shelf life.

Patent No.’s: 8,796,504 and 8,822,756 and 6,184,438.

### Moisture Level and Soil Temperature

Tests have shown best emergence with normal or slightly above normal moisture. Be sure to provide adequate moisture, but avoid over watering. Sweet corn tends not to germinate below 45° Fahrenheit; however, SSW® shows improved vigor and uniformity at lower temperatures as compared to ordinary sh² varieties.

### Proper Handling and Storage

SSW® seed is denser and less susceptible to physical damage than conventional sh²’s. However, in order to ensure best results, avoid rough handling and excessive agitation prior to planting. As with all seed, store any unused seed in sealed containers in a cool, dry storage area to ensure maximum shelf life and viability.

### Isolation

For best possible appearance, maximum eating quality, and longest shelf life for 100% of the kernels, SSW®’s should be isolated from cross pollination by other corn types. The usual practices, using maturity, sowing dates or physical isolation, would apply.

### Uniform Growth!

**Seed Density and Appearance**

SSW®’s are denser than sh² seeds, and do not show defined dents, wrinkles, or dimples. They are heavier, sturdier, with smoother coats, and are easier to handle than conventional sh² corns.

### More Corn Flavor!

Sweet corn varieties with the Stays Rich Green, or SRG®, characteristics have extra dark green plants and husks, as well as thicker leaves that stay dark green even beyond full ear maturity and enhanced emergence and vigor. SRG®’s harvested ears maintain a rich green appearance and hold better for fresh market and retail displays, making them much more appealing to consumers.

HiGlow® and MultiGlow® sweet corns have really intense and distinct color that gives the variety a very “fresh picked” look. They also have a longer harvest window – holding color, kernel appearance and sweetness both on and off the plant for a greater length of time. MultiGlow® corns have a combination of MultiSweet® eating quality and HiGlow® kernel color.
### Sweet Corn

#### Bicolor

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Ear Size</th>
<th>Kernel Rows</th>
<th>Height</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SSW®</strong>&lt;br&gt;1590 Summer Sweet® Bicolor Early Riser F1</td>
<td>68</td>
<td>7.5&quot;</td>
<td>14-16</td>
<td>6'</td>
<td>Tolerant NCLB</td>
<td>Great combo of earliness and SSW seed vigor make this good for early market slots. Strong bicolor kernel contrast, bright white on deep golden yellow. Good husk protection. Strong flags. Fresh mkt, Shipping, Early slots.</td>
</tr>
<tr>
<td>1474 Packout F1</td>
<td>78</td>
<td>8.25&quot;</td>
<td>16-18</td>
<td>6'</td>
<td>Tolerant CR, NCLB, SCLB</td>
<td>Outstanding main season bicolor. Ears carried 32&quot; above ground. Deep green husks, flags and leaves provide excellent protection, 1 ear per plant at close spacing; 2 per plant at wide spacing. Fresh Mkt.</td>
</tr>
<tr>
<td>1695 Summer SWeet® Multisweet® SSW2742 F1</td>
<td>75</td>
<td>7.5&quot; - 8&quot;</td>
<td>16-18</td>
<td>6.5'</td>
<td>Resistant CR, Rp 1, G 1; Tolerant NCLB</td>
<td>Plenty of extras. The brilliance of HiGlow® makes the color contrast really pop. Rich flavor of se+sh2. Strong stalks. Uniform vigor. Strong disease package.</td>
</tr>
</tbody>
</table>

#### Sh2<br>1378 American Dream F1 | 77 | 7"-7.5" | 16-18 | 6' | Tolerant NCLB | AAS Gold Medal 2018. IFSI Reserve™ eating quality. Tender sweet kernels, excellent tip fill. Good husk protection and flags. |
| 1360 Anthem XR F1             | 73  | 8" x 1.8" | 16-18 | 5'   | Tolerant CR, NCLB | Early supersweet. avg. ear height 20". Deep green husk and multiple flag leaves with medium short shank. Fresh Mkt, Shipping. |
| 1377 Catalyst XR F1           | 66  | 8" x 1.75" diameter | 16-18 | 6'   | Tolerant CR     | 66 days! Earliest SuperSweet on the mkt. Sweet, tender ears borne 27" above ground. Mid green husk and flag provide good protection. Excellent ear size and tip fill. A must have for early mkt window. |
| 1401 Enchanted F1             | 78  | 8" x 2" diameter | 18-20 |       | Tolerant CR, NCLB, SW | Augmented SuperSweet. Combines sh2, se & su genes for exceptional combo of sweet flavor, tender kernels, strong seed vigor and emergence. High yield potential. 3" ear ht. Easy to pack with great holding power from field to consumer. Fresh mkt, Shipping. |
| 1419 Honey 'N Pearl F1        | 78  | 9"       | 16-18     |       | Tolerant NCLB   | An industry standard. Super sweet type with excellent holding ability. Great tip-fill. Nice, straight rows of flavorful shiny yellow & white kernels. Fresh Mkt, Shipping, Processing. |
| 1448 Kickoff XR F1            | 69  | 8" x 2" diameter | 16-18 | 6'   | Resistant CR, NCLB | Xtra-Tender gene combo for super eating quality and seedling vigor. Excellent ear size for a first-early. Deep green husk and robust flags. 28" ear ht. Quick emergence & large ears provide potential for very high yields. Fresh mkt, Shipping. |
| 1480 Obsession F1             | 81  | 8.5" x 1.7" | 18-20 |       | Resistant CR; Tolerant NCLB, SW | Proven main-season mkt leader in many areas. Sh2+se genetics result in sweet, creamy tender kernels. Ears held 2' above ground. |
| 1506 Signature XR F1          | 72  | 8" x 1.9" diameter | 16-18 | 6.5' | Resistant CR     | New-generation breeding from Illinois Foundation, selected for the very best of tender and sweet eating. Excellent husk protection and holding ability in field. Ears 27" above ground. Shaft is compact for easy pack and ship. |

#### Synergistic<br>(75% se + 25% sh2 unless noted)<br><br>**1358 Alto F1**<br>72 8.5" x 2" 14-16 5.5'<br>Earliest TripleSweet synergistic bicolor. Strong emergence in cool soils gives potential for early mkt windows. Works well in northern areas. High quality eating. Tender, creamy and sweet. Fresh Mkt, Shipping.<br><br>**1402 Espresso F1**<br>70 8.5" x 2" 14-16 Tolerant CR, SW<br>Large kernels & strong husk cover make a good combo for mkt appeal. Stalk very tall for an early variety. Near main-season quality in a 70-day corn. Breeder recommends planting as as first-early. Fresh Mkt, Shipping.<br><br>**1489 Primus F1**<br>(60% se + 40% sh2)<br>81 8-8.5" x 2.2" 14-16 Resistant SCLB; Tolerant SW<br>Sweeter than other triple sweets. Wonderful flavor. Avg. ear height 24". Disease package gives potential for high yield. Medium green plant. Mid-sized husks. Fresh Mkt, Roadside, Local Shipping, Cello.<br><br>**1504 Serendipity F1**<br>82 8.5" x 2" 16-18 8' Tolerant SCLB<br>An industry leader. TripleSweet. Superb eating ears with extra shelf life.
Corn Disease Codes

CR  Common Rust
GW  Goss' Wilt
MDMV  Maize Dwarf Mosaic Virus
NCLB  Northern Leaf Blight (& races)
SCLB  Southern Leaf Blight
SW  Stewart's Wilt

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l)
More Sweet Corn

### Bicolor, cont.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Ear Size</th>
<th>Kernel</th>
<th>Height</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1369 Ambrosia F1</td>
<td>75</td>
<td>8-8.5&quot; x 2.2&quot;</td>
<td>16</td>
<td>7.5</td>
<td>Tolerant SW</td>
<td>Exceptionally tender and delicious. Plants may have some resistance to smut. Fresh Mkt, Regional Shipping.</td>
</tr>
<tr>
<td>1384 Delectable RM F1</td>
<td>84</td>
<td>8.5&quot; x 2&quot;</td>
<td>18</td>
<td></td>
<td>Tolerant CR, NCLB, SW</td>
<td>Homozygous SE. Widely adapted to all areas. Strong, dark-green husks. Fresh Mkt, U-Pick, Shipping.</td>
</tr>
<tr>
<td>1451 Luscious F1</td>
<td>75</td>
<td>8.5&quot; x 2&quot;</td>
<td>16-18</td>
<td>6'</td>
<td>Tolerant NCLB, SCLB, SW</td>
<td>The name says it all. Large, blunt ears have sweet, tender eating quality with Galina’s TABLESWEET® homozygous SE genetics. Produces well even under stressful conditions. The husk offers good tip coverage and classy flags. Fresh Mkt, Roadside, Garden.</td>
</tr>
</tbody>
</table>

### White

#### Sh2

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Ear Size</th>
<th>Kernel</th>
<th>Height</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1398 Eden F1</td>
<td>76</td>
<td>8&quot; x 1.8&quot;</td>
<td>16-18</td>
<td>7&quot;</td>
<td>Intermediate Resistance CR, SW</td>
<td>Augmented supersweet. Combines sh2, se and su genes for exceptional sweet flavor; tender kernels and strong seed vigor and emergence. High yield potential. Easy to pack with great holding power from field to consumer. Fresh Mkt, Shipping.</td>
</tr>
<tr>
<td>1621 Summer Sweet® HiGlowMS® White 7401 F1</td>
<td>75</td>
<td>9&quot;</td>
<td>16-18</td>
<td>5.5&quot;</td>
<td>Resistant MDMV</td>
<td>Kernels have an extra shiny glow. Large cylindrical ears. Excellent husk protection and striking flags. Stalk is medium short. Fresh Mkt, Shipping.</td>
</tr>
<tr>
<td>1412 Summer Sweet® Multisweet® glACial F1</td>
<td>76</td>
<td>8.5&quot; x 1.9&quot;</td>
<td>16-18</td>
<td>6&quot;</td>
<td>Resistant CR, NCLB</td>
<td>High quality. Stays bright white past harvest. Fat cylindrical ears with excellent tip fill. Mid sized plant. Fresh Mkt.</td>
</tr>
<tr>
<td>1715 SV 1580SC F1</td>
<td>76-80</td>
<td>8.5&quot; x 1.7&quot;</td>
<td>18-20</td>
<td>6.5&quot;</td>
<td>Resistant CR, SCLB</td>
<td>Excellent harvest either by hand or mechanical means. Avg. ear height 24&quot;. Multiple disease package promotes high yield potential. Fresh Mkt, Roadside, Shipping, Cello.</td>
</tr>
</tbody>
</table>

### Synergistic (75% se + 25% sh2)

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Ear Size</th>
<th>Kernel</th>
<th>Height</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1369 Avalon F1</td>
<td>82</td>
<td>8.5&quot; x 2&quot;</td>
<td>16</td>
<td></td>
<td>Tolerant NCLB, SCLB, SW</td>
<td>Superior eating quality compared to white se types. Medium green husks with compact flags. Fresh Mkt, Regional Shipping.</td>
</tr>
<tr>
<td>1430 Illusion F1</td>
<td>72</td>
<td>8.5&quot; x 2&quot;</td>
<td>14-16</td>
<td></td>
<td>Tolerant CR, SW</td>
<td>Bright white kernels with excellent tip fill. Deep green husks, outstanding flags, excellent eating quality. A Seneca early white. Fresh Mkt, Shipping.</td>
</tr>
</tbody>
</table>

### SE

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Ear Size</th>
<th>Kernel</th>
<th>Height</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1364 Argent RM F1</td>
<td>86</td>
<td>8.5&quot; x 2&quot;</td>
<td>16-18</td>
<td>7&quot;</td>
<td>Tolerant CR, NCLB, SW</td>
<td>Heterozygous SE. Extra luxurious. Avg. ear height 23”. High yield potential.</td>
</tr>
<tr>
<td>1509 Silver King F1</td>
<td>82</td>
<td>8-8.5&quot; x 2.2&quot;</td>
<td>16</td>
<td>6.5&quot;</td>
<td>Tolerant CR, NCLB, SW</td>
<td>Heterozygous SE. Popular variety with wide adaptability. Very good tip fill. Extra broad disease package.</td>
</tr>
<tr>
<td>1724 Whiteout F1</td>
<td>74</td>
<td>8.5&quot; x 2&quot;</td>
<td>16</td>
<td>6.5&quot;</td>
<td>Tolerant CR, NW</td>
<td>Excellent eating quality. Sturdy, vigorous plants have great ear conformation. Fresh Mkt, Shipping.</td>
</tr>
</tbody>
</table>

### SU

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Ear Size</th>
<th>Kernel</th>
<th>Height</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1529 &amp; 1529U Silver Queen F1</td>
<td>88</td>
<td>8.5&quot; x 2&quot;</td>
<td>14-16</td>
<td>7&quot;</td>
<td>Resistant NCLB, SW; Tolerant SCLB</td>
<td>A well-known favorite. Uniform large ears. Dark green husks and flags. Vigorous plants. Fresh Mkt, Regional Shipping.</td>
</tr>
<tr>
<td>Cat#</td>
<td>Sweet Corn</td>
<td>1/4 lb</td>
<td>1/2 lb</td>
<td>1 lb</td>
<td>5 lb (per lb)</td>
<td>10 lb (per lb)</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------</td>
<td>--------</td>
<td>--------</td>
<td>------</td>
<td>--------------</td>
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</tr>
<tr>
<td>1359</td>
<td>Ambrosia</td>
<td>8.75</td>
<td>13.45</td>
<td>21.00</td>
<td>16.50</td>
<td>15.85</td>
</tr>
<tr>
<td>1364</td>
<td>Argent</td>
<td>8.50</td>
<td>13.15</td>
<td>20.50</td>
<td>16.10</td>
<td>15.50</td>
</tr>
<tr>
<td>1369</td>
<td>Avalon</td>
<td>15.15</td>
<td>23.40</td>
<td>29.25</td>
<td>18.55</td>
<td>17.85</td>
</tr>
<tr>
<td>1481</td>
<td>Peaches 'N Cream Early EH</td>
<td>7.75</td>
<td>11.95</td>
<td>18.60</td>
<td>14.60</td>
<td>14.05</td>
</tr>
<tr>
<td>1509</td>
<td>Silver King</td>
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More Sweet Corn

Yellow

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Yellow Days  Ear Size  Kernel  Height  Disease  Description

SSW®

1680 Summer Sweet® HiGlow® SS3778R F1  Higlow®  78  8.5” x 1.5”  18-20  6.5”  Tolerant CR

Main season variety with high vigor emergence. Extra large, thick cylindrical ears. Good flags and dark green husks. Medium tall stalks. Fresh Mkt, Shipping.

1681 Summer Sweet® HiGlow® SS3880MR F1  Higlow®  80  1.9” diam.  16-18  6”  Medium Resistant CR, Tolerant NCLB

High quality main season with good shelf life. Very attractive. SRG® provides good ear protection. Lots of strong flags; medium plant size; high yield potential. Fresh Mkt, Roadside, Shipping, Cello.

Sh²

1705 Supersweet Jubilee F1  83  8.5” x 1.9”  16-18  7

Jubilee type but with super sweet flavor and outstanding holding ability. Consistent high yield and excellent recovery. Best results in warmer soil.

1795 Xtra-Sweet® Northern Yellow F1  67  8” x 1.9”  5.5”  Tolerant NCLB, SCLB

Xtra Early Super-sweet with excellent cold soil emergence. Very large for first early. Avg ear ht 15”. Fresh Mkt, Roadside, Shipping.

Synergistic

1424 & 1424U Honey Select F1  79  8.5” x 2”  14-16  Resistant SW

Our top selling yellow. High quality product with enhanced flavor and nice fat ears. Good holding ability. Fresh green husks with good flags. Fresh Mkt, U-Pick.

Corn Disease Codes

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<td>9.70</td>
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CR  Common Rust
GW  Goss’ Wilt
MDMV  Maize Dwarf Mosaic Virus
NCLB  Northern Leaf Blight (races)
SCLB  Southern Leaf Blight
SW  Stewart’s Wilt
**More Sweet Corn**

### Yellow, cont.

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<tr>
<th>Cat#</th>
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<th>Days</th>
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<tr>
<td>1370</td>
<td>Bodacious RM F1</td>
<td>75</td>
<td>8-8.5&quot; x 2.2&quot;</td>
<td>16</td>
<td>7'</td>
<td>Resistant CR, MDMV; Tolerant SW</td>
<td>Super dependable. Improvement on the original Bodacious, with highly resistant traits in its 3-way disease pkg.</td>
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<tr>
<td>1432</td>
<td>Incredible RM F1</td>
<td>85</td>
<td>8-8.5&quot; x 2.2&quot;</td>
<td>18</td>
<td>8'</td>
<td>Medium Resistant CR, NCLB, SW</td>
<td>Homozygous SE. Main season. A widely adapted market leader. Avg. ear height 30&quot;. Fresh Mkt, Roadside, Shipping.</td>
</tr>
<tr>
<td>1442</td>
<td>Kandy Korn EH F1</td>
<td>81</td>
<td>8.5&quot; x 2&quot;</td>
<td>16</td>
<td></td>
<td>Tolerant CR, SW</td>
<td>Sweeter than normal sugary types. Very attractive purple stalks, purple and green husks. Long lasting sweetness allows longer harvest period. Fresh Mkt, Garden.</td>
</tr>
<tr>
<td>SU</td>
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<tr>
<td>1396</td>
<td>Early Sunglow F1</td>
<td>70</td>
<td>8.5&quot; x 2&quot;</td>
<td>12-14</td>
<td></td>
<td></td>
<td>Among the finest traditional Sweet Corns. Old fashioned creamy sweet flavor with big kernels for locally grown market. Fresh Mkt, Garden.</td>
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<tr>
<td>1434</td>
<td>Jubilee F1</td>
<td>81</td>
<td>8-8.5&quot; x 2.2&quot;</td>
<td>16-20</td>
<td></td>
<td>Tolerant CR, SCLB</td>
<td>Popular all-purpose variety. Sometimes two ears per stalk. Adapted to New England, Great Lakes and west of the Mississippi. Flavorful, tender and sweet. Fresh Mkt, Freezing, Canning, Processing.</td>
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### Popcorn

**1255U Dream Pop Red F1** 120 days. Bright reddish purple kernels with high popping percentage. Delicious nutty flavor and smooth, crunchy texture. Red and yellow are sister lines. Kernels can be layered in jars for attractive sales presentation. 6" x 1-1.5" ears produce about 700 kernels. Ears slightly tapered. Good tip fill. 7' stalks. Ornamental Edible, Farm Mkt, Cornucopia.

**1256U Dream Pop Yellow F1** 120 days. Bright kernels ranging from soft yellow to light orange.

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<th>1/2 lb</th>
<th>1 lb</th>
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<td>Early Sunglow</td>
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To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
Sow in mid to late May for a mid September harvest. Grow at the same soil temperature and sowing depths/density as sweet corn. Ornamental corn should be harvested by hand when the husks dry, often after one or two frosts. Leave the ears in the husk and complete the drying process in a sheltered environment. Ornamental corn will freely cross-pollinate with other corn, so keep it separate from sweet corn crops.

Farm markets make ideal outlets for cheerful, festive bundles.

**Bloody Butcher** 100 days. Large deep red ears 8-12” x 2” for fall decoration. Giant 9-12’ stalks bear 1-2 ears each well above ground. Prized heirloom variety. Dried Ornamental for Cornucopia, Roadside.

**Broom Corn/Sorghum Colors Medley** Highly ornamental types for autumn cornucopias, can sell with pumpkins, gourds, Indian corns. Contains ornamental Broom Corns and Colored Upright Sorghums.

**Carousel F1** 100 days. Miniature type produces tiny, colorful ears excellent for local florists and dried flower wholesalers. Festive multicolored kernels fill 4-5” ears; average 2 or 3 ears per plant. Cross market with pumpkins, gourds.

**Earth Tones Dent** 85 days. Delectable reselection from an heirloom, dent flour corn. 8-10” ears display muted glowing tones of soft browns, pinks, mauves, greens, blues and golds. Great color for fall sales. Great for decoration or feed for birds. Roadside, Cornucopia.

**Fiesta F1** 102 days. Colorful husks and ears. Long, 7-10” ears contain kernels in a wide range of colors, including red, purple, yellow and white. Extremely decorative husks are 50-70% purple. Plants to 7’.

**Mini Blue** 100 days. Kernels are medium to deep blue. Small, narrow cobs average 2-4” with two ears per stalk. Can be used for dried arrangements, fall decorations or popped for eating.

**Strawberry Corn** 110 days. Small ears with tiny, dark strawberry-red kernels are dual purpose, for popping and ornamental. 2-3” x 1.5” ears, lovely with husks attached and bunched for fall decoration. Plants avg 6’.

**Wilda’s Pride** 110 days. Extremely wide and bright color range. Sturdy plants. Large ears 8-11” in a sparkling array of maroons, deep purplish and blackish reds, pinks, whites, yellows and many multicolors. Fall cornucopia sales with pumpkins.

Ornamental Millet listed on page 102
Salad Bush F1

Saladmore Bush F1

Iznik F1

Bristol F1

Dasher II F1

Cucumber

(Cucumis sativus)

Approx. 1,100 seeds/oz. ¼ oz sows 100’ of row. Direct-sow 2-3 b/a/acre. Sow seeds 1-2”, deep, 8-12” apart in rows 36-72” apart. Seeds germ in about 7 days. Days to maturity are from sowing.

Slicing

2826 Bristol F1 54 days. Top quality new slicer with high yield potential and great disease package. Showed strong multi-virus resistance and intermediate fungal resistance in trials. Mid-vigorous vines. Cylindrical 8.25” x 1.25” fruits with quality flesh and rich green skin. High packing of fancy grade fruit in trials. Excellent combination of marketability and production traits. Gynoecious normal type flowering. Resistant A 1, ALS, CMV, S, ZYMV. Tolerant PRSV , DM, PM.

2832 Dasher II F1 58 days. Premium gyn with high yield potential. Vigorous plants, straight, uniform, dark-green 8.5” x 2.5” fruit. Strong disease package. Tolerant A, ALS, CMV, PM, S, Fresh Mkt, Garden, Commercial.


2872U Iznik F1 45 days as ghs cuke, 50-60 days in field. A real workhorse among parthenocarpic ‘seedless’ fancy-pack cukes. In 2018 trials, Iznik fruited earliest and out yielded others in its class by a wide margin, and was still yielding long after others in trial succumbed to wet weather diseases. Great flavor was noted throughout season - crisp, cool, with no hint of bitterness or aftertaste. Fresh green cukes, shiny and smooth, reach about 4” length and stay slender and tender, with only teeny ovules and a very nice baby slicer shape. Yields avg 5 fruit per leaf axil, allowing potential for high exception yield by fruit count. Multi-use, adaptable to field, greenhouse and container culture.

2876 Marketmore 76 66 days. Of Well-known variety for planting both in North and South. Tolerant CMV, DM, PM. S. Commercial production.

2887U Saladmore Bush F1 55 days. Semi-bush habit spreading about 2’ across. Deep green slicers 7-8” x 2”, slightly tapered cylindrical, with crisp sweet flesh. Strong disease package, high potential yield, with good durability and ca. 5 fruit per leaf axil, allowing potential for high exception yield by fruit count. Multi-use, adaptable to field, greenhouse and container culture.

2890 Salad Bush 66 days. Of Fancy grade fruit in trials. Excellent combination of marketability and production traits. Gynoecious normal type flowering. Resistant A 1, ALS, CMV, S, ZYMV. Tolerant PRSV , DM, PM.

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
More Slicing Cucumbers

**Diva F1**

**2905U**
Mid-early. Smooth, deep green, 8.5”, with desirable L/D ratio. Has demonstrated excellent yield potential in commercial plantings. Predominantly female flowering; contains a pollenizer. A proven, consistent performer. Resistant to **A**, **ALS, DM, PM, S, ZYMV**. Fresh Mkt, Regional Shipping, Garden.

**2905 & 2905U SV 4719 CS F1** 56 days. High % super selects. Top commercial productivity. Large, refined, blocky slicer with superb disease package. Vigorous vine with potential for high yields of 8” x 2.5” fruit. Dark green, smooth, glossy spineless exterior and great eye appeal. Very small seed cavity. Gynoecious flowering. Can be grown open field or trellised. Resistant **A, ALS, DM, PM, S, ZYMV**. Fresh Mkt, Shipping.

**2912 Sweet Success F1** 55 days. Greenhouse-type parthenocarpic cucumber also performs well in the garden (sets fruit without pollination). Medium green, smooth, high-quality fruits grow 12-14”. Grow on stakes or trellis. Sweet, crisp flesh, tender skin. Tolerant **CMV**, S. Fresh Mkt, Greenhouse, Garden.

**2918U**
62 days. American Slicer in fruit shape & color, but parthenocarpic—able to produce “seedless” fruits when isolated from pollen. Robust plants. Deep green, slightly glossy skin, smooth cylindrical shape, 8-9” x 2.25” diam. Bitter free fruit with small core of soft ovules and broad zone of crispy light flesh. Resistant **PM, S, Fresh Mkt**, Field or Greenhouse Crop.

**2925 Taurus F1** 55-60 days. Japanese burpless type that produces very uniform, glossy deep green fruit. 8-8.5” x 1”. Monocious flowering habit, with a medium number of female flowers. Suitable for both greenhouse and open field production, best sown March - July. Great bitter-free taste. Tolerant **DM, PM**, Fresh Mkt, Shipping.

**Burpless**

Handsome slicing types with reduced bitterness in their genetic makeup, these fruits have more tender skins which are believed easier to digest than regular cucumbers. Very popular with Fresh Mks.

**2897U**
58 days. Seedless parthenocarpic cucumber. Sets abundantly without pollination and stays seedless if not interplanted with other cukes. Fruit is smooth and spineless, glossy bright green, slender and cylindrical with slightly tapered ends. Non-bitter trait is unattractive to cucumber beetles so this pest is less likely to carry CMV onto the crop. Can also be sold as mini cucumbers if picked at 4”. Resistant **A, PM, S**, Tolerant **DM, PM**. Fresh Mkt, Shipping, Roadside, Gdn.

**Tasty Green F1**

**2902 Summer Dance F1**
Extra fine quality, uniform fruit with glossy deep green exterior. Interior is classic Japanese Burpless type with very small seeds and small narrow core. Vigorous vines with multiple lateral breaks, combined with strong mildew resistance and tolerance for heat, provide potential for high yield. Resistant **DM, PM, Tolerant TLS**. Fresh Mkt, Fancy Pack, Wrapped.

**2922 & 2922U Tasty Green F1** 52 days. Burpless type produces long, slender, smooth-skinned fruits. Early, heavy yields; long harvest. Best at 9” x 1” but holds at larger sizes. Tolerates high temperature and humidity. Resistant **PM, Tolerant DM**. Fresh Mkt, Garden.

**Pickling**

**2827U Calypso F1** 56 days. Uniform, dark-green, blocky fruits have a length-to-depth ratio of 3:1; white spined. Introduced by NC Agricultural Experiment Station. Tolerant **A, ALS, CMV, DM, PM**. Fresh Mkt, Processing.

**2828U Carolina F1** 55 days. Deep green refined 3” pickler for commercial pickles or fancy baby slicers. Mid long vines are easy for hand picking. White spines. Excellent 6-way disease package for high potential yield. Resistant **PM, DM, ALS, CMV, A, Tolerant S**.

**Parthenocarpic, or “Seedless” Varieties:**

These varieties are able to produce fruit without pollination. When grown in isolation from other varieties, the ovules do not develop into seed, but remain soft and light colored, enabling the production of fruit with “seedless” flesh. Since seed are not set, fruit quality can last longer on plant and in storage, and the flesh can resist developing bitterness associated with mature seed.

---

**Cat#**

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<th>1/8 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
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**More Pickling**

2830 Citadel F1 52 days. Classic mid size gynoeicous pickler bears loads of blunt deep green fruit. Mid size vines with semi-distributed fruit setting pattern that lends itself well to hand picking. Fruit at maturity are 3.6” X 1.2”, a classic 3:1 L/D ratio. Strong disease package allows for high yield potential with less frequent spraying. Pollinator included. Medium Resistant DM, PM, Resistant A 1, ALS, CMV, S. Fresh mkt, Processing.

2835 Diamant F1 45 days. Seedless (Parthenocarpic) bitterfree pickler. Sets abundantly without pollination and stays seedless when not interplanted with other cukes. Fruit develops with 3:1 ratio of length to diameter, straight, cylindrical, dark green, with rounded ends. Crispy sweet and tender. Nonbitter trait is unattractive to Cucumber Beetles so this pest is less likely to carry CMV onto the crop. Compact vine with strong, lateral shoots. Can also be sold as gourmet mini cukes if picked at 3-4”. Resistant DM, PM. Pickling, Fancy Pack, Fresh Mix.

2863 Gherking F1 50-55 days. European gherkin type pickler. Very high quality eating both fresh or pickled. Parthenocarpic, bitterfree, 3.5” X 1.1-1.25”. Tender-skinned crispy fruit can be grown “seedless” for extra fine table quality. Strong disease package and vigorous vines covering 4-6 ft enable high yield potential. Well adapted to tunnel, trellis or open ground. Nationally promoted through consumer channels. Resistant CMV S, Tolerant DM, PM. Fresh Mix, Garden Ctr Sales, Pickling, Restaurant. Southeast, Mountain/Southwest.

2881U Lemon 60-70 days. OP. Heirloom variety with a unique lemon color and shape. Great flavor and crunchy texture with non-bitter skin. High yield potential of 2-3” fruit, a perfect size for a single serving. Great for pickling and slicing. Rust and drought resistant. Novelty sure to sell at fresh markets.

**Specialty**

2888 Martini F1 55-60 days. Bright white interior is bitterfree, non-yellowing small seeded, very sweet and crunchy. Extra tender, no-peel skin is a pale chiffon green color, providing unique table quality. Fruit are straight cylindrical. Harvest fruit at 5-6” long with 1.5-2” diam for gourmet quality. Vigorous vines with 4-6 ft spread keep bearing throughout growing season and provide good sun protection for unblemished fruit. Nationally promoted through consumer channels. Resistant PM. Pickling, Fancy Pack, Fresh Mix, Garden Ctr Sales, Restaurant.

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To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
Eggplant

(***Solanum melongena***

About 6,500 seeds. Hybrid picks 100 seeds; OP packets produce about 75 plants. 4 oz produces about 10,000 plants. Seeds germinate in about 10 days. Set plants 18-30" apart in rows 24-48" apart. Days to maturity are from transplant.

2949 Black Beauty 72-85 days. OP Heirloom. Popular standard. Large, dark purple fruit, 6.5" x 5", can be picked at sizes from 1-3 lb. Bushy 2 plant spreading to 30". Good yield in northern areas provides long frost-free season. Fresh Mkt.

2955U Black Shine F1 70-75 days. Beautiful ovate bell shape, 7-8" x 4" at base, narrowing slightly to about 3" at stem end. Tolerance to bacterial wilt makes it suitable for southern production. Fresh Mkt, Roadside.

2975 Fond May F1 77 days. Rich glossy purple fruit and calyx with tender white flesh. Thin-inch cylindrical fruit averages 6 oz. This is the popular, long, thin oriental type. Tolerance to bacterial wilt makes it suitable for southern production. Fresh Mkt, Garden Ctr Sales.

2977 Gaudi F1 75 days. Shiny deep black fruit keeps beautiful color until the end of harvest season. Bright green calyx is usually spineless, with a few spines under stress conditions. Firm fleshed, 7-8" long, ovate fruit are bell shaped, slightly broader at 4" base, narrowing smoothly to about 3" at stem end. Trials indicate great potential for high yield of top grade fruits. Excellent hot set capability. Widely adaptable, works well in greenhouse production or in open field. Fresh Mkt, Shipping, Garden Ctr Sales.

2997U Millionaire F1 63 days. Very early, high quality Oriental type produces very attractive, long narrow fruits with purple calyx. Fruit color glossy black. Upright plant 25-30", Fresh Mkt.

**Gourds listed on page 34**

**Cat#** | Eggplant (M=1000) | 25 sd | 100 sd | 500 sd | 1000 sd | 5 M (per M) | 10 M (per M) | 50 M (per M)
--- | --- | --- | --- | --- | --- | --- | --- | ---
3004 | Rhapsody | 7.80 | 23.60 | 95.00 | 161.15 | 142.80 | 131.00 | ---

**Cat#** | Eggplant (M=1000) | 100 sd | 500 sd | 1000 sd | 5 M (per M) | 10 M (per M) | 50 M (per M)
--- | --- | --- | --- | --- | --- | --- | ---
2949 | Black Beauty | 1.60 | 2.10 | 3.00 | 2.60 | 2.15 | -- | --
2955U | Black Shine | 2.15 | 7.85 | 12.50 | 10.45 | 9.20 | -- | --
2975 | Fond May | 1.90 | 2.65 | 4.20 | 3.25 | 2.75 | 2.20 | --
2977 | Gaudi | 14.90 | 55.90 | 89.50 | 75.00 | 65.80 | -- | --
2997U | Millionaire | 2.30 | 8.50 | 13.60 | 11.55 | 10.25 | 9.40 | --
3002 | Money Maker No. 2 | 2.50 | 9.50 | 15.20 | 12.45 | 10.80 | -- | --
3003 | Night Shadow | 3.45 | 13.15 | 20.95 | 16.65 | 14.50 | -- | --
3005U | Rosa Bianca | 1.60 | 2.45 | 3.95 | 3.30 | 2.90 | -- | --
3015U | White Star | 1.95 | 4.00 | 6.15 | 5.15 | 4.65 | -- | --
Greens

**Mixed Greens**

3017U Gourmet Salad Blend  A mixture of 5 fine-flavored leaf lettuces custom blended, tested and recommended by market growers and chefs in the California production region. Contains 20% each of Red Romaine Silvia, Lolla Rossa Darkness, Red Oakleaf, Buttercrunch, Green Salad Bowl, Fresh Mkt, Restaurant Specialty, Bedding Plant, Bowl Planters for Gdn Ctr Sales.

3019U Mesclun Mix  A mix of classic salad herbs and lettuces, custom blended to achieve the classic flavor of the French original, and for ease of growing together from seed. Contains 17% each of; Lettuces Buttercrunch, Lolla Rossa Darkness, Romaine Vivian, Arugula, Basil Spicy Globe, Cress Wrinkled Crinkled. Fresh Mkt, Restaurant Specialty, Bedding Plant, Bowl Planters for Gdn Ctr Sales.

3020U Mustard Braising Greens Mix  Specialty mix of Mustards and Arugula. Custom blended to provide a range of colors, textures and flavors in this trendy category. Good material for multiple "cut & come again" harvest. Contains 17% each of Mustards; Green Wave, Red Giant, Mizuna, Mizuna Red Streak, Mibuna, plus Arugula. Fresh Mkt, Mixed Salad Cello, Restaurant Specialty, Edible Color Bowl Sales.

3023 SimplySalad® Alfresco Mix  [Multi Species Multi Seed Pellet] 12"; Convenient & easy to grow. Each ‘Simply Salad’ pellet contains mixed greens. Includes various lettuces, arugula, endive, & radicchio. Sow one plug or direct to 8" container.

3024 SimplySalad® Summer Picnic (formerly Endless Summer)  [Multi Species Multi Seed Pellet] 12" spreading 12"; Each pellet contains seed of both red and green lettuce, all heat tolerant varieties for extended harvest in container garden. Each pellet should produce 3 or more seedlings, enough to fill an 8" planter by sowing just one pellet. For ornamental edible container gardens.

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**Specialty Greens**

5213 Arugula Astro  [Eruca vesicaria sativa] Approx. 13,000 seeds sds/oz. 31 days clipping, 52 days bunching. Mid green leaves only slightly lobed lend a fresher, younger leaf look. Vigorous. Zesty, nutty flavor. Clip at 6"; bunch 12".

5214U Arugula [Rocket] Slow Bolt  Approx.17,000 sds/oz. Holds in field 10 extra days; outyields other Rockets.

2812U Corn Salad  [Mache]  (Valerianella locusta) Approx. 11,600 seeds/oz. European favorite. Harvest leaves up to 3" for spring salads. Sow every 2 weeks; tolerates warm conditions. Ht. 1-1.5'.

1277U Pea Parsley  24 days to side shoot clipping. 60 days to pea pod harvest. Produces bunches of small delicious leaves with sweet pea flavor on tender branching tendrils which are clipped and used in the specialty greens markets. Sweetest when clipped young. Both clipping and pea harvest can be had by waiting for mature pods and harvesting both. The leafy tendrils will continue to be produced. Vines stand 24-32'. Also featured on pg 46.


**To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l)**
**Annual Herbs**

**Arugula listed on page 31**

*All Herbs are untreated unless otherwise stated.*

5205 Anise (*Pimpinella anisum*) About 11,000 sd/oz. Leaves and seeds have flavor of licorice. Flavor cakes, cordials and sausage. Ht: 2'.

5238 Basil British 60-90 days. A Basil with tolerance to cool, damp growing conditions. Selected for field production in a British climate, this variety is worth testing for fall and spring performance in the U.S., to extend the season for both fresh cut and container basil. Will not stand freezing conditions.

5241 Basil Cinnamon About 23,000 sd/oz. Scented Basil.

5245 Basil Crimson King 80 days. 12" pot, up to 20" in gdn; 100% purple foliage. Attractive Genovese-shaped leaves. Ornamental edible with spicy clove aroma.

5246 Basil Dolce Fresca 60 days from sowing to harvest. 12" tall in pot, 14" tall in gdn. Short internodes keep plants bushy and manageable. Regrows neatly after cutting. Traditional sweet basil flavor.

5250 Basil Genovese About 16,000 sd/oz. Bright green, savoyed leaves. Uniform, tall, 24" plants are slow to bolt. Heavy, spicy taste and smell. Use in pesto sauce.

5277 Basil Lemon About 16,000 sd/oz. Scented Basil.

5286 Basil Lemon Sweet Dani About 14,000 sd/oz. Leaves burst with lemon fragrance when lightly touched. Bushy 26" plant. Useful as a bedding plant in 8-10 weeks from seed. Excellent culinary variety.

5725 Basil Newton

5729 Basil Loricie About 23,149 sd/oz. Scented Basil.

5300 Basil Newton 21" pot spreading 10", 30" gdn spreading 16"; Bright green crinkled leaves. Fast growing, just 7-10 weeks to 1st harvest. High resistance to fusarium. Clean Genovese flavor, no licorice aftertaste. For Fresh Mkt, Container, Field.

5313 Basil Purple Ruffles About 20,000 sd/oz. Shiny, dark purple, ruffled leaves. Provides fine flavoring for culinary use. Ht. 18-24".

5316 Basil Red Rubin About 19,000 sd/oz. 12", Strong purple bronze foliage, intense fragrance and fine flavor. Suitable for professional production.

5318 Basil Rutger's Obsession DMR Vigorous growth, high leaf-to-stem ratio, deep green, excellent disease resistance to both Downy Mildew and Fusarium Wilt, for long, prolific, clean harvest. Performs well in field and potted plant production. Fresh mkt/drying. Resistant DM, FW Fresh Mkt, Drying.

5322 Basil Siam Queen About 20,000 sd/oz. Outstanding anise fragrance and flavor. Beautiful, bushy, bright green leaves 3-4" long and 1.5-2" wide. Can be picked 4 or more months. Ht. 30".

5331 Basil Spicy Globe About 21,000 sd/oz. A fine leaved basil with very little bitterness. Compact green 12-15 plants are attractive as an ornamental. Also very popular for cooking.

5340 Basil Sweet Large Leaf Italian About 16,000 sd/oz. Sweet, pungent herb with broad 2-3" leaves; used to flavor tomato sauces, meat, fish, vegetables, popular for pesto sauce. Ht. 2'.

5350 Barone (*Laurus nobilis*) About 1,000 sd/oz. Produces tiny blue and pink flowers from late spring to frost. Used in salads, soups or cool drinks. Commercially grown for its seed oil. Attracts bees. Ht. 1.5-2'.

5380 Cat Grass Tabby About 857 sd/oz. Bright white, green and some variegated foliage. Attractive to cats and famous in health-food recipes. Reaches about 6" high 2 weeks after sowing. Final height 24" for green leaves and 4-6" for variegated. Softly textured, provides vitamins and fiber for cats.

5412 Chamomile German (*Matricaria chamomilla*) About 395,000 sd/oz. Apple-scented plants that like sun. Plants flower profusely. Used in teas. Ht. 1.5'.

5457 Coriander Slo-Bolt (*Coriandrum sativum*) About 2,000 sd/oz. 45 days. Well known and reliable variety. Fresh cut leaf, dry leaf or ground seed for spice.

5466 Marjoram Sweet (*Origanum majorana*) About 8,000 sd/oz. Seed is powdered and used in curries, pickles, salsas and Mexican food. Hot, pungent flavor. Reaches a height of 9".

5511 Dill Bouquet About 16,000 sd/oz. Delicate, soft green, feathery foliage used fresh on fish and salads; seed heads are a favorite pickling spice. Ht. 28-30".

5517 Fennel Bouquet

5520 Dill Dukat About 19,000 sd/oz. Produces very strong-flavored, pungent foliage with high oil content. European strain used for warm weather. Ht. 48".

5530 Dill Fenleaf About 13,000 sd/oz. Extremely compact, basal-branching; deep green, finely-cut foliage with the flavor of larger types but also quite ornamental. Ht. 18".

5538 Dill Mammoth About 15,000 sd/oz. Larger yellow flower heads than Bouquet. Leaves for soup or stews. Stalks and seeds for pickles. Ht. 2'.

5544 Fennel Antares F1 68 days from sowing. Nationwide trials reported uniform, 4-5" pure white bulbs, ferny fragrant. Bolt resistant in the summer. Sow away from dill.

5550 Fennel Florence (*Foeniculum dulce*) About 7,000 sd/oz. Enlarged leaf bases, somewhat like celery with distinctive anise-like flavor. Will form a bulb if harvested before seed sets. Sow away from dill. Leaves/seed used in soups, eggs, sauces. Ht. 2.5' tall.

5556 Fennel Florence (*Foeniculum dulce*) About 7,000 sd/oz. Enlarged leaf bases, somewhat like celery with distinctive anise-like flavor. Will form a bulb if harvested before seed sets. Sow away from dill. Leaves/seed used in soups, eggs, sauces. Ht. 2.5' tall.

5577 Sovey Summer (*Semenis horizon*) About 44,000 sd/oz. Leaves and young stem-tips used fresh or dried for flavoring meats, stuffings and teas. Ht. 1'.

5578 Stevia rebaudiana About 77,000 sd/oz. 12"; Sub-tropical herb produces white flowers with a sweet scent. Leaves can be used fresh or dried as an alternative to sugar.

Fennel Bouquet

5579 Fennel Bouquet

5580 Fennel Bouquet

5646 Basil Purple Ruffles

5520 Basil Newton

5520 Basil Newton

5520 Basil Newton
Perennial Herbs

*All Herbs are untreated unless otherwise stated.*

5394 Catmint (Nepeta mussinii) About 37,000 sd/oz. Blue flowers thrive in hot weather. Ht. 1’.

5403 Chives (Allium schoenoprasum) About 47,000 sd/oz. Vigorous mint; attractive to cats. Use the heart-shaped leaves fresh or dried in teas. Ht. 24”.


5439 Chives Garlic Oriental (Allium tuberosum) About 6,000 sd/oz. Used chopped leaves to add mild garlic flavor to salads, soups or stir-fry recipes. Flowers are white. Ht. 12”.

5440 Chives Quattro F1 Overwintering. Sow summer; harvest spring till hard freeze. Now leaves are very thick, 75” wide, fleshy, very soft and easily eaten. Flavor like onion with hint of mild garlic. With cold winter, buds initiate and large purple ball-shaped flowers appear 2nd spring. Young tender flower shoots are edible. Flowers have 2-week shelf life as a cut flower. Grows 12” tall first season, taller in subsequent years. Edible & Ornamental, Cut Herb, Gdn Ctr.

5493 Cross Upland (Barbarea versii) About 24,000 sd/oz. Dark green, glossy, rounded leaves similar to water cress; peppery flavor. Ht. 6-8”.

5583 Hyssop (Hyssopus officinalis) About 28,000 sd/oz. Similar to a mint flavor. Plants yield aromatic oils used in perfumes and soaps. Leaves are used in tea. Ht. 1.5’.

5592 Lavender Hidcote Blue (Lavandula angustifolia) About 25,000 sd/oz. Compact, bushy habit with fragrant lavender-blue flowers. Attractive in borders and landscape with gray-green foliage. Ht. 2’.


5621 Lavender Vicanza About 30,000 sd/oz. Benary’s Apex conditioned to overcome dormancy. First year flowering and needs no vernalization. Thick spikes of deep blue flowers over silvery foliage.

5623 Lemon Balm (Melissa officinalis) About 48,000 sd/oz. Heart-shaped leaves with a lemon fragrance. Attracts bees. Used in teas and salads. Ht. 18-36”.

5628 Lemon Mint (Mentha citrata) About 59,000 sd/oz. Lemon-scented foliage and blooms. Attracts bees. Ht. 24-36”.

5637 Lovage (Levisticum officinale) About 9,000 sd/oz. All plant parts are edible and have a celery-like flavor. Used in soups, salads and cakes. Ht. 6’.

5644 Mint Spearmint (Mentha spicata) About 37,000 sd/oz. Appearance very similar to peppermint but less potent. Young leaves used in jellies and drinks. Ht. 22”.

5655 Mint Peppermint (Mentha x piperita) About 358,000 sd/oz. Excellent beverage mint, strong cooling menthol aroma. Oil from plants flavors candies and desserts. Ht. 22”.

5664 Mint Catnip (Nepeta cataria) About 175,000 sd/oz. Appearance very similar to peppermint but less potent. Young leaves used in jellies and drinks. Ht. 22”.

5669 Lavender Vera (Lavandula angustifolia) About 30,000 sd/oz. Pale purple flowers used in potpourri, wreaths, soaps, perfumes. Ht. 2’.

5673 Oregano Greek (Origanum vulgare) About 30,000 sd/oz. Spreading plants with gray-green leaves. Used in herb vinegars, soups, salads and other vegetables. Ht. 6-8’.

5676 Oregano Italian (Origanum vulgare) About 30,000 sd/oz. Spreading plants with gray-green leaves. Used in herb vinegars, soups, salads and other vegetables. Ht. 6-8’.

5682 Oregano Italian (Origanum vulgare) About 321,000 sd/oz. Flavorful herb used in tomato sauces, salads and other vegetables. Ht. 18”.

5691 Pennyroyal (Mentha pulegium) About 389,000 sd/oz. Strong mint flavor and aroma. Good along walkways or as a permanent edging to repel insects. Use sparingly in teas & sauces. Ht. 6’.

5700 Rosemary (Rosmarinus officinalis) About 30,000 sd/oz. Spreading plants with gray-green leaves. Used in herb vinegars, soups, salads and other vegetables. Ht. 6-8’.

5709 Thyme (Thymus vulgaris) About 104,000 sd/oz. Lilac flowers good for edging. Season choewders, stews, sauces and pickles. Ht. 6’.

5718 Sage (Salvia officinalis) About 163,000 sd/oz. Spreading plants with pale green leaves. Used in herb vinegars, soups, salads and other vegetables. Ht. 5’.

5763 Sorrel (Rumex acetosa) About 30,000 sd/oz. Long slender leaves with a distinctive citrus tang. Used to flavor soups, sauces, salads and other vegetables. Ht. 6-8’.

5799 Thyme Creeping (Thymus serphyllum) About 213,000 sd/oz. Tiny, rounded, blue-green leaves with purple flowers. Use in rock gardens, pathways or groundcover. Leaves are used in teas, salads, rice and fish dishes. Ht. 2-6’.

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l)
**Gourds** *(Cucurbita Pepo acutifera)*

Annual cucurbits grown much like winter squash. Large: 100-300 seeds/oz.; Small: 300-900 seeds/oz. Direct sow seeds after danger of frost where they are to remain. Seeds germ in 5-7 days at 75-80°F. Best on a trellis in full sun. Do not thin seedlings as brightest colors may sprout slowest. Harvest when fruits are fully mature but before frost, and dry several weeks. Can be varnished. 10-12’ vines. Days to maturity are from sowing.

### Large Seeded Gourds

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### Small Seeded Gourds

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**Small Seeded Gourds**

5019 Goblin Eggs 80 days. Very cool blend of small eggs with lots of striped, zoned and speckled types as well as pure whites and golds and many others. Earlier maturing than other ornamental gourd strains. Decorative, Cormocopia.

5021U Harvest Wings F1 95 days. Approx. 350 seeds/oz. Multi-color mix, many types with very prominent wings and other strange shapes.

5030U Small Assorted Beautiful patterns, colors and shapes; smooth and warted skins. For table decorations, fresh or dried.

5088U Small Assorted Professional Warted Mix Blended for advantages in commercial production for mkt. Smaller more uniform 3” fruit with stronger colors, more consistent warring. Assortment of stripes, bi-colors solids, spoons, pears, short pears, flats and rounds. High proportion of yellows, greens and oranges, with fewer whites, for brighter display at Fresh Mkt.
Lettuce (*Lactuca sativa*)

Approx. 25,000 seeds/oz. Pkt plants 30' of row; ½ oz sows 100'; 1 oz produces approx. 10,000 plants. Direct-sow 1-3' bisalve; sow seeds thinly ½'' deep. Seeds germinate in about 7 days. Set head types 10-15'' apart in rows 16-24'' apart (leaf types 8-12'' apart in rows 12-24'' apart). Days to maturity are from sowing.

Some lettuce varieties listed are Mosaic Indexed Seed (M.I.). A sample of 30,000 seeds or seedlings was tested and found free of lettuce mosaic virus infection. However, no seed lots are guaranteed disease-free.

Some lettuce varieties listed are Mosaic Indexed Seed (M.I.). A sample of 30,000 seeds or seedlings was tested and found free of lettuce mosaic virus infection. However, no seed lots are guaranteed disease-free.

### Butterhead Type

**3108U Buttercrunch** 20-75 days. Butterhead Bibb type. Slow bolting, long lasting, heat tolerant, with compact cream-yellow heart. 12'' Rosette 4-5''. Sturdy rosette of thick deep green red-tinted blistered leaves. White seeded. Mosaic free. Fresh Mkt.

**3144U Speckles** 45-55 days. Amish heirloom. Lime-green leaves flecked with red-brown speckles on leaf form a dense bibb-like head with a blanched yellow-green heart and sweet flavor.

### Cos/Romaine Type


**3137 Parris Island COS PVP** 71 days. Selection of the popular mkt-type Romaine. Tall, narrow heads with crisp, sweet leaves produce creamy yellow centers. Adapted to North, South, East, and West. Vigorous, uniform.

**3132 New Red Fire M.I.** 48 days. Medium/large dark red heads and good bolt tolerance. Field tolerance to Fusarium Race 1. Large uniform heads and good bolt tolerance.

### Leaf Types

**3132 New Red Fire M.I.** 48 days. Medium/large dark red heads having excellent uniformity in size and color. Leaf-type is red-tinted, ruffled with waxy margins. Slow bolting. Fresh Mkt, Specialty Mkt.

**3138U Red Sails** 40-65 days. Full rosette of intense red foliage, bronzed at tips, extra ruffly and deeply lobed. Flavor is mild, tends to be free of bitter tones. Reaches cutting quality early, but holds well up to cutting. Good shelf life. High content of Vitamin A, C.

**3139U Tango** 28 days baby leaf, 40 days mature leaf. Dense rosettes of ruffly, pointed deep green leaves. Tight erect habit. Very uniform in habit & timing. Tender tangy flavor. Best sub for Green Wave when needed.

**3135U Vulkan** Mid-early. Slightly frilly leafage has brilliant red color over a soft green background. Vigorous and uniform, holds well in field and remains weight well after harvest. Packs out well from field and shows a more attractive color than other red-leaf types, with good color retention. Ornamental and edible. Tolerant TB. Fresh Mkt, Bunching Baby Leaf, Bedding Sales.

### Lettuce Disease Codes

| BR | Brown Rib |
| DM | Downy Mildew |
| F  | Fusarium |
| TB | Tipburn |

### Lettuce Disease Codes

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To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l)
**Kale**

*Brassica oleracea, Acephala Group*

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**Prizm F1**

*Brassica oleracea, Acephala Group*

Approx. 9,000 seeds/oz. Pkt plants 30’ of row; ½ oz sows 100’. Direct sow 2-4 lbs/acre. Sow seeds ½” deep, 18-24” apart in rows 24-36” apart. Seeds germ in about 10 days. An attractive, durable fresh/raw garnish and highly nutritious greens. Days to maturity are from sowing.

**3028U Black Magic**

25 days baby leaf, 60 days mature leaf. Upright rosette habit for easy, clean harvest. Improved winter hardiness. Long narrow dark blue-green leaves with white spine on lower surface. Leaf is intensely blistered and crinkled for a wonderful eating texture. Cold resistant and bolt tolerant. This is improved breeding of the heirloom “Cavolo Nero” type. Fresh Mkt, Specialty Restaurant.

**3029U BlackJack**

25 days to baby leaf, 60-90 days to mature leaf. First F1 Hybrid among Tuscan Kales. More uniform for narrow, darker, well textured leaves. Sturdy stalks perfect for bunching also resist wind damage better. Compact upright rosette habit for easy, clean harvest. Can stand tougher weather than o.p. varieties, with improved resistance to cold weather and bolting, providing opportunity for higher yield and suitability for machine harvest. Leaf is intensely blistered and crinkled for a wonderful eating texture. Fresh mkt, Restaurant, Specialty Cut Mixed Greens.

**3032U Blue Armor (Winterbor) F1**

47-57 days. Outstanding hybrid Vates type. Attractive, very deep blue-green leaves are extremely curled and fringed; wide petiole spacing makes harvest easier. High yield potential on strong growing, uniform plants. May be suitable for over-wintering.

**3037U Blue Knight (Darkibor) F1**

45-55 days. Outstanding hybrid Vates type replaces plantings of standard Vates. Earlier, stronger, more uniform and higher yields. Deep blue, firm, curly leaves have less tendency to yellow and hold up well when cut. Uniform, strong grower. Yields 7-8’ stalks in just 45 days; larger plants in 55 days. Will out yield OP types by 50% Spring or Fall planting.

**3045U Roulette**

30-35 days baby leaf, 50-55 days full leaf. Frilly edged blue green leaves with broadly colored red ribs. Grows to 20-24” x 14-18” inches at full leaf stage. Cold resistant and slow bolting under normal weather conditions. Ornamental and edible. Cut leaf, Bunching, Bedding Plant, Specialty Restaurant.

**3057U Red Russian**

25 days baby leaf, 50 days mature leaf. Red leaves, crisp and curly, cold hardy, for winter harvest.

**3065U Prizm F1**

30-35 days baby leaf, 50-55 days full leaf. Frilly edged blue green leaves with broadly colored red ribs. Grows to 20-24” x 14-18” inches at full leaf stage. Cold resistant and slow bolting under normal weather conditions. Ornamental and edible. Cut leaf, Bunching, Bedding Plant, Specialty Restaurant.

**3067U Scarlet**

35-40 days baby leaf, 55-60 days full leaf. Vigorous plant, grows 2-3’ tall x 2’ wide. Deeply frilled fronds start out deep purplish green with dark purplish red veins and stems. Matures to deep purple red all over as cooler weather begins. A longstanding, hardy plant that may last into winter in mild areas. The leaves spread broadly like a parasol atop the deep purple stems. Ornamental and edible. Cut leaf, Bunching, Bedding Plant, Specialty Restaurant.

**Red Russian**

30-35 days baby leaf, 50-55 days full leaf. Sweetest tasting Kale in British trials. Deep green with frilly edges and broadly colored white ribs. Ornamental and edible. 18’x 12-14” at full leaf stage. Cold resistant and slow bolting under normal weather conditions. Fresh Mkt, Bunching, Baby Leaf, Bedding Plant.

**3045U Lacinato**

50-60 days. Unique heirloom type. Strap-like blue-green leaves 10” x 3”. Deeply sauvoyed and crinkled. Edible ornamental; flavor is enhanced by frost. Extremely winter hardy. Sometimes called “dinosaur kale”. Fresh Mkt, Specialty.

**Black Magic**

50-60 days. Unique dark red. Similar to Blue Armor except for color. Tall standing habit, overwinters well, bolt tolerant, deeply fringed and curled. 2. Extremely productive. Fresh, Ornamental, Salad, Shipping.

**3051 Prizm F1**

50-60 days. Densely branching plants sufficiently compact for container cultivation but also adapted to open ground. Short, tightly ruffled foliage is clean green, tightly ruffled and tender. Flavor unusually mild with nutty overtones. Aggressive re-leafing after cut, for early and prolonged harvest. Keeps mild flavor throughout growing season. Less likely to lodge because of low profile. Fresh Mkt, Garden Ctr Sales, Restaurant.

**3052 Red Bor F1**

47-57 days. Unique dark red. Similar to Blue Armor except for color. Tall standing habit, overwinters well, bolt tolerant, deeply fringed and curled. 2. Extremely productive. Fresh, Ornamental, Salad, Shipping.

**3057 Red Russian**

25 days baby leaf, 50 days mature leaf. Red leaves, crisp and curly, cold hardy, for winter harvest.

**3065 Roulette**

30-35 days baby leaf, 50-55 days full leaf. Frilly edged blue green leaves with broadly colored red ribs. Grows to 20-24” x 14-18” inches at full leaf stage. Cold resistant and slow bolting under normal weather conditions. Ornamental and edible. Cut leaf, Bunching, Bedding Plant, Specialty Restaurant.

**3067 Scarlet**

35-40 days baby leaf, 55-60 days full leaf. Vigorous plant, grows 2-3’ tall x 2’ wide. Deeply frilled fronds start out deep purplish green with dark purplish red veins and stems. Matures to deep purple red all over as cooler weather begins. A longstanding, hardy plant that may last into winter in mild areas. The leaves spread broadly like a parasol atop the deep purple stems. Ornamental and edible. Cut leaf, Bunching, Bedding Plant, Specialty Restaurant.

**Red Russian**

30-35 days baby leaf, 50-55 days full leaf. Sweetest tasting Kale in British trials. Deep green with frilly edges and broadly colored white ribs. Ornamental and edible. 18’x 12-14” at full leaf stage. Cold resistant and slow bolting under normal weather conditions. Fresh Mkt, Bunching, Baby Leaf, Bedding Plant.
**Kohlrabi**  
*(Brassica oleracea, Gongylodes Group)*

Approx. 9,000 seeds/oz. Pkt plants 30’ of row. Direct-sow 2-4 lbs/acre. Sow seeds 1/8” deep, 18-24” apart in rows 24-36” apart. Seeds germinate in about 12 days. Days to maturity are from sowing.

3077 Grand Duke Improved F1 45 days. Easy to grow, tasty crop; high yields in limited space. Plants form rounded, smooth bulbous stems about soil level, up to 4” across. Delicious raw, salads or cooked. Resists cold weather, light frosts and adverse weather conditions.

3081 Konan F1 50 days. Smooth globe shaped “bulb” has pure white interior with sweet flavor and excellent crispy texture. Maintains good non-pithy quality up to 6. Upright uniform leaf stalks, 10” at small-bulb harvest, 24” at full maturity, hold foliage well held away from ground, reducing likelihood of insect damage. Plant spreads only 10”, adaptable to container culture or plant sales. Fresh Mkt, Garden Ctr. Restaurant.

3080 & 3080U Quickstar F1 50 days. Early maturing, slow bolting. Beautiful, smooth bulbs are pale green with mild sweet flavor, flat round shape, very uniform in size & maturity.

3082 & 3082U Winner Improved F1 55 days. Mid-early. Large green knob, upright, resists pithiness. Best substitute for Grand Duke when needed.

**Leek**  
*(Allium ampeloprasum, Porrum Group)*

Approx. 11,000 seeds/oz. Pkt plants 30’ of row; ½ oz sows 100’. Direct sow 3-4 lbs/acre. Sow seeds ½” deep, 1’-4” apart in rows 16-24” apart. Seeds germinate in about 10 days. Days to maturity are from sowing.

3098 Exeter F1 95-105 days. Productive hybrid, with attractive dark foliage. Early and bolt tolerant. Strong basal 1” diameter shaft grows to 6” or longer depending on depth of trenched or hill. Abundant 12” flag leaves above develop a deep bluish green color. The base of shaft tends not to bulb at maturity, an added benefit of this variety. Resistant Rust. Fresh mkt, Home Gdn, Specialty.

3099U Zermatt 85 days. Very early among OP Leeks, which has created great demand in baby leek mkt. Attractive. Long shaft with erect light green leaves. Extended white zone at base of stalk.

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**More Kale**

3068 Starbor F1 55 days. High leaf volume in small space, the most densely branched Kale available. At just 12-18”, due to short internodes, yields like much taller varieties in the same area, with better durability against wind and cold damage. Finely curled leaves about 10-12” inches, extra dark blue green vs all others of this type. Fast, vigorous regrowth after harvest or stripping, continued harvest up to heavy freeze. Fresh Mkt, Bunching, Processing.

3098 Exeter F1 55 days. Well-known variety with attractive, curled leaves which resist yellowing. Upright hardy plants.

**Starbor F1**

**Autumn Star F1**

**Zermatt**

**Kalette®**

2211U Autumn Star F1 180 days. Kalette® is a cross between Kale and Brussel Sprouts, created using traditional breeding methods (non-GMO). A flat tall stalk develops but instead of sprouts, a miniature kale head about 2” across buds out at each node. These are harvested from Sept/Oct onward until hard freeze. High vigor, high yield potential. Delicious sweet and nutty flavor. Highly nutritious. Red-Green bicolor. Plants are quite ornamental as well. Fresh mkt, Restaurant, Novelty.

**Tronchuda Leaf Cabbage**

2215 Beira Tronchuda 85 days. Special type of loose-leaf cabbage. Interest in this traditional type has grown recently. Wide spreading leaves are deep green with thick, white, fleshy ribs, sweet and tender, a welcome component to the greens market. Good for juicing. Fresh Mkt, Greens, Grocers, Mixed Salad, Novelty.
Melons

**Eastern Types**

2369 Ambrosia F1 88 days. Higher than average sugar content, extra-sweet flavor your customers will come back for again and again. Nearly round fruits average 4-4.5 lbs, 6.5” x 6”, with heavy netting and no sutures. Thick, sweet salmon flesh; small seed cavity and very tight seed mass. Tolerant DM, PM. Fresh Mkt, Short distance shipping, Garden.

2371 Aphrodite F1 72 days. Athena type with slightly larger fruit, 6-7 lb and 6.5” x 7”. Habit is more compact with smaller footprint. Very sweet flesh is smooth, creamy and aromatic with a hint of honey. Thick flesh, strong texture, good shelf life on farm stand or in regional shipping. Rind is well netted, slightly sutured. Got high marks for yield and quality in Eastern and Midwest trials. Resistant FW 0-2, PM 1. Fresh Mkt, Regional Shipping, Garden Plant Sales.

2374 & 2374U Athena F1 75 days. Early maturing eastern muskmelon particularly suited to SE, Midwest and Mid-Atlantic mkt's. Course netting, small cavity, very firm flesh (5-6 lbs.) Resistant FW 1-2, PM. Tolerant Sul. Fresh Mkt, Shipping.

2375U Avatar F1 70-80 days. Uniform extra large 7-9 lb melons with full netting & shallow rind. Classy Eastern type; blocky oval fruit with large, dry, open cavity. Deep orange, very sweet full-flavored flesh is medium firm. Brix ratings at trials have been mostly 11-12, occasionally 13. Especially notable for such early maturity. Resistant FW 0-2, PM 1. Tolerant PM 2. Fresh Mkt, Short Distance Shipping.

2381 Carousel F1 80-85 days. 6-9 lbs; Oval Super Star type melons, measure 9.5” x 7” with strong sutures like classical muskmelons. Tight cavity, firm flesh and good sugar for excellent eating quality. Strong vigorous vines and double disease package provide high yield potential. Firn melons and firm internal flesh. Good shipper with lasting quality. Well adapted to outdoor production. Resistant FW 0-2, PM. Fresh Mkt, Roadside, Shipping.

2386 Duchess F1 75 days. 5-6 lbs. 14% Brix rating. Big round-oval melon, good shelf life rating, great taste. Heavily netted, lightly sutured, refined Eastern type interior with small, tight cavity and thick flesh, deep orange to rind at maturity. High disease rating can enable consistent high yield potential. Worth testing as Athena type. Resistant FW 0-2, PM 1-2. Fresh Mkt, Roadside, Regional Shipping.

**Melon Growers, Note:** We suggest you grow the correct type of melon for your market. Shipping types are especially resilient with lasting quality for long-distance market. They do, however, taste fine if grown for fresh market. The varieties we recommend for local or home garden are best used near where they are grown because they have a softer rind/skin and may not hold as well.

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**Cat#** | **Cantaloupe (M=1000)** | **25 sd** | **100 sd** | **500 sd** | **1000 sd** | **5 M (per M)** | **10 M (per M)** | **15 M (per M)** | **30 M (per M)**
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
2369 | Ambrosia | 6.00 | 15.55 | 61.20 | 81.50 | 79.05 | 77.15 | 75.25 | 73.95 |
2371 | Aphrodite | 5.20 | 13.55 | 53.20 | 74.55 | 72.30 | 70.55 | 68.80 | 67.65 |
2374 & 2374U | Athena | 4.90 | 12.15 | 47.80 | 61.20 | 75.90 | 73.55 | 71.80 | 70.05 |
2375U | Avatar | 4.35 | 11.85 | 46.55 | 63.00 | 73.90 | 70.40 | 66.95 | 63.45 |
2381 | Carousel | 3.15 | 8.40 | 33.00 | 49.65 | 52.35 | 49.65 | 46.35 | 43.00 |
2386 | Duchess | 3.75 | 9.75 | 38.25 | 54.30 | 57.20 | 54.30 | 50.65 | 47.05 |
**More Eastern Types**

2408 El Gordo F1 75 days. Extra large 10-15 lb fruit are sweet and quite early for such jumbo size. Extra large oval melon with heavy netting, distinct green sutures, and interior cavity that is small in proportion to fruit diameter. Flesh is very sweet at avg 16% Brix, with the excellent, slightly musky flavor of classic Eastern type. Yield avg 3-4 fruit per plant. Can produce giant 20-30 lb show melons if all but the first few fruits are removed at young stage and if given extra deep soil with rich nutrition. Tolerant PM 2, WMV. Fresh Mkt.

2411 Goddess F1 68 days. A Wow! Early eastern melon with excellent performance and quality for the extra early market. 6.5” fruit. Average weight 5-6 lbs. Good sugar at 11% Brix. Oval, heavy net, unsutured. Tolerant PM 1-2, FW 0-2.

2421 Halona F1 68-72 days. 4-5 lb, 6” globe shape. An improved Earlqueen type, matures a week earlier. Thick, sweet orange fleshed muskmelons. Rinds with heavy netting and distinct sutures. Uniform and productive, with better taste and stronger disease package. Resistant PM. Tolerant FW. Fresh Mkt. Roadside, Garden.

2485 Infinite Gold F1 75 day, mid-season maturity. Average weight 4 lb. Bred especially for long shelf life (LSL) great flavor and fruit quality. Strong vines, high yield potential, uniform size and shape. Was rated in 2012 by a third-party sensory analysis panel as higher in flavor and quality attributes than the leading competition. Round oval melons, very light suture, fully netted, with firm deep orange flesh. High % size 9 fruit. High Resistance PM 2, FW 0-2. Fresh Mkt, Shipping.

2428 Milan F1 72 days. Early Eastern type with distinct sutures and netting. Very sweet and aromatic, avg 13-15% brix. High yield potential of 4-6 lb melons. Breeder's trials found great holdability which can help get the fruit to mkt in great shape; Tight seed cavity and better resistance to cracking than most Eastern melons enhance chance for high production of marketable fruit. Milan performed well even in areas where splitting is a problem. Resistant PM 1-2; FW 0-2. Fresh Mkt, Shipping.

2490u Minerva F1 78 days. 6-7 lb, 7 x 7.5”. Recommended where early size, sugar and holding ability are wanted. Athena type Eastern melon, from same breeding but slightly larger, with higher resistance level. Fruit is oval to flat oval and lightly but distinctly sutured, with coarse open netting overall. Flesh is thick with outstanding firmness. Vine is vigorous. Largest sizes have reached 10 lb. under best conditions. Well proven and widely adapted in University trials, especially U of F 2000, where Minerva demonstrated higher yield, with same fruit set but 8.3 lb average weight vs Athena’s 5-6 lb. Minerva performs well and maintains quality under wet field conditions. Firm flesh allows harvest at tan stage and full slip; green harvesting such as for softer varieties is not needed. Resistant FW 0-2, PM 1. Tolerant PM 2, Fresh Mkt, Shipping.

2440 Orange Sherbet F1 62 days. Highly aromatic melon flavor & high brix. Tuscan type Eastern shipper produces premium fancy 7-8 lb oval melons with distinct green sutures and netting. Thick bright orange flesh with small cavity of classic triangular shape. These traits plus high fiber content gives a great eating experience and good shippability. An all-around top notch eating melon. Tolerant FW 1-2, PM 2, WMV. Fresh Mkt, Shipping.

2451 Rockstar F1 74 days. 5-7 lb. Performed well in trials across NE & SE. Eastern shipper type with outstanding eating quality; consistently firm orange flesh and lightly sutured rind with medium netting. Slightly earlier and somewhat larger melon than Athena, with good shipping and holding ability. Resistant PM 1-2, FW 0-2.

2479 Verona F1 75 days. Average weight 6-8 lb, reaching 15 lb under intensive cultivation. A very large Eastern Shipper (Athena) type, excellent for roadside and mid-range shipping applications, with good holding ability. 12% Brix, lightly sutured, medium netted. Great eating quality, very sweet and firm. Resistant FW 0-2, PM 1-2. Fresh Mkt, Regional Shipping.

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**Melon Disease Codes**

- **ALB**: Alternaria Leaf Blight
- **DM**: Downy Mildew
- **FW**: Fusarium Wilt & Race #'s
- **PM**: Potato Mosaic Virus
- **PRSV**: Papaya Ringspot Virus
- **Sul**: Sulphur Damage
- **WMV**: Watermelon Mosaic Virus
- **ZYMV**: Zucchini Yellow Mosaic Virus
**Western Types**

2444 Primo F1 79 days. Early, large, dark orange flesh. Almost sutureless fruit are heavily netted, with a small dry seed cavity. The colorful flesh is very thick, sweet and flavorful. Fruits average 5-7 lbs. each, 7” x 7.5”. Tolerant PM 1-2, Sulphur. Fresh Mkt, Shipping.

2462 San Juan F1 75 days. Ultra-early. 5 lb, Ivory green flesh, medium closed cavity for high weight. Soft, creamy white skin, small neat seed cavity & high 11-13% Brix rating. Excellent potential for high yield due to quick maturity and disease package. Several growers we’ve spoken to have praised its performance. Resistance FW 0-2, Medium Resistant PM, strong against sulphur. Fresh Mkt, Roadside, UPick.

**Specialty Melons ★**

**Ananas**

Ananas melons produce light netting over an orange colored rind. Most have firm, yellowish ivory flesh but some are orange-fleshed. Its name means pineapple because of its unique pineapple-like scent. These melons usually have short shelf life. They are not suitable for long distance shipping but perfect and highly sought after in fresh markets.

2462 San Juan F1 75 days. Ultra-early. 5 lb, Ivory colored flesh is sweet, aromatic with spicy tones. Reaches fully sweet stage while still firm and slightly crisp. Rind is very attractive, golden yellow and finely netted, strong vigorous vines. Tolerant FW 0-2, PM 1-2. Fresh Mkt, Shipping.

**Canary**

Canary melons are oblong with bright yellow rinds, slightly larger than cantaloupes or honeydews. They have a strong, pleasant aroma and sweet, off-white flesh that is very good mixed into a fruit salad.

2477 Tweety F1 60-70 days. Bright yellow rind, pale ivory-green flesh. Early maturity. Tropical taste preferred by many; mild, sweet and aromatic with no musky aftertaste. Tolerant FW 1-2, GSB, ALB.
**Charentais**
Charantais melons are French cousins to American muskmelons. They are very sweet, typically grow only to the size of a softball, and are suitable for vertical growing on a trellis.

2438 Oui F1 77-82 days. Round to slightly oblate, dark orange flesh, 3-4 lbs with butterscotch flavor & high Brix. Lightly sutured & netted, this unusual Eastern shipper has a strong, sweet taste. Fruit are firm with good shelf life. Strong disease tolerance makes this melon ideal for east coast production. Tolerant FW 0-2, PM 2.

**Christmas**
Christmas melons have a longer than average shelf life and are characterized by an elongated shape and splochty yellow and green rind.

2422 Lambkin F1 75-80 days from sowing. 70 days from transplant. "Christmas Melon". Special traditional type that harvest well late season. Smooth oval 2-4lb melons, avg 7" x 5". Thin rind mottled green on yellow. Flesh is ivory-white, sweet aromatic, avg 14-16% Brix. Stores well, maybe til Christmas if you get the timing right. Resistant FW 0-1, Tolerant FW 2. Gourmet Melons.

**Crenshaw**
Crenshaw melons are elongated, rich yellow sometimes streaked with light green, appearing slightly wrinkled at the stem ends. The flesh inside is aromatic salmon orange with a delicious lightly spicy sweetness.

2426 Lilly F1 80-85 days. Great Crenshaw taste, with super high 15-16% Brix rating. Large long oval 8-10 lb melons with light orange flesh and light smooth, light pale yellow rind. This one should sell well when folks see this hard-to-find favorite back on your shelf again. Avg yield 3-4 fruits per plant in trials. Tolerant PM 1-2, WMV, PMV. Roadside, Fresh Mkt, Regional Grocer.

2425 Lilliput F1 80 days. Early. A personal hand sized cantaloupe with round, 3.5-5” diam. fruit. Stem slips at full maturity. Eastern shipper type, sutureless, with light netting and tan color at maturity. Flesh is deep orange, very highly flavored, sweet & aromatic, and very firm with tight closed cavity. Resistant FW 0-2, PM 1,2. Fresh Mkt, Regional Grocery, Specialty, Restaurant.

2475 Tasty Bites F1 75-80 days. Perhaps the ultimate gourmet personal sized melon with deep orange flesh offset with green outer ring. Flavor is delicious, unique and sweet, resulting from its charantais and ananas parentage. Easy to grow, very vigorous and productive ripening over an extended harvest period. Above average shelf life. Offer customers halves at your market stand as a snack with a scoop of sherbert. Tolerant ALB, FW 1-2, PM 1. Personal Hand Melon.

**Galga**
Galga melons are similar to cantaloupes in outward appearance but slightly larger. Inside, the flesh is yellow-green and is reported as exceptionally juicy.

2501 Passport F1 75 Days. Very early Galia type. Large, round fruit avg 6-lb, 7”x7” diam. Thick flesh is very sweet, avg 12-13% at first harvest. Flavorful, aromatic, light green flesh is very attractive. Rinds have almost no suture and a fine, full net. Fruits slip when ripe for easy harvest. Vigorous vines can be very productive. Shipping, Fresh mkt, Gdn.

**Personal Size Melons**

**2425 Lilliput F1** 80 days. Early. A personal hand sized cantaloupe with round, 3.5-5” diam. fruit. Stem slips at full maturity. Eastern shipper type, sutureless, with light netting and tan color at maturity. Flesh is deep orange, very highly flavored, sweet & aromatic, and very firm with tight closed cavity. Resistant FW 0-2, PM 1,2. Fresh Mkt, Regional Grocery, Specialty, Restaurant.

**2473U Sugar Cube F1** 81 days. Superb unique disease package promotes development of super-high sweetness. Small 2 lb. melons pack a big taste, with full flavored 14% Brix rating. Round & fully netted. Deep orange flesh, long shelf life, a must-have for the personal hand melon market. Resistant P 1-2, FW 0-2, PRSV, WMV, ZYMV. Fresh Mkt, Restaurant, Local shipping.

**2475 Tasty Bites F1** 75-80 days. Perhaps the ultimate gourmet personal sized melon with deep orange flesh offset with green outer ring. Flavor is delicious, unique and sweet, resulting from its charantais and ananas parentage. Easy to grow, very vigorous and productive ripening over an extended harvest period. Above average shelf life. Offer customers halves at your market stand as a snack with a scoop of sherbert. Tolerant ALB, FW 1-2, PM 1. Personal Hand Melon.

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**To Order Call: 800-622-7333 (USA) or 864-227-5140 (Intl)**

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**Cat# | Cantaloupe (M=1000) | 25 sd | 100 sd | 500 sd | 1000 sd | 5 M (per M) | 10 M (per M) | 15 M (per M) | 30 M (per M)**

| 2422 | Lambkin | 4.85 | 14.90 | 62.80 | 108.35 | 98.20 | 82.00 | 75.95 | 69.85 |
| 2425 | Lilliput | 2.95 | 9.40 | 38.00 | 58.65 | 48.40 | -- | -- | -- |
| 2426 | Lilly | 3.15 | 8.20 | 32.15 | 51.00 | 48.35 | 45.15 | 41.90 | 39.65 |
| 2428 | Oui | 2.90 | 7.55 | 29.75 | 47.20 | 44.75 | 41.75 | 38.80 | 36.65 |
| 2501 | Passport | 2.75 | 8.15 | 32.15 | 51.00 | 48.35 | 45.15 | 41.90 | 39.65 |
| 2473U | Sugar Cube | 4.20 | 11.70 | 45.90 | 72.85 | 69.10 | 64.45 | 59.85 | 56.55 |
| 2475 | Tasty Bites | 5.10 | 13.30 | 52.20 | 82.90 | 78.60 | 73.35 | 68.10 | 64.35 |
Fresh Mkt., Restaurant.

Color in salads. Leaf type mustard and slow bolter.

Large, large leaves and nice mustard pugency. Suitable for stuffing, and long holding in field, 2-4 weeks longer than others of the type.

Spineless, with shorter stalk due to shorter internodes. Harvest pods when 4.5-5 x 7.55. Turns green when cooked. Fresh Mkt., Ornamental Fresh or Dried Stalks.

Okra

Approx. 500 seeds/oz. (Formerly of genus Hibiscus.) Pkt plants 20’ of row; 2 oz sows 100’. Direct-sow 3-5 lbs/acre. Sow seeds 1/4” deep, 18-24” apart in rows 42-60” apart. Seeds germ in about 10 days. Plants have ornamental flowers and attractive leaves; pods are about 3” long. Days to maturity are from sowing.

3167 Florida Broad Leaf [Large Smooth Leaf] 50 days. Large, broad, oval, green leaves have toothed margins, distinct white midribs. Large, vigorous plants.

3159U Green Wave 40-60 days. 16-18” tall. Large upright frame. Southern Curled type but more deeply frilled. Spineless leaves and stems. Very deep green for a curly variety, with spicy hot flavor, slow bolting, and long holding in field, 2-4 weeks longer than others of the type.

3161 Mizuna Mix America F1 20-25 days. Deep, dark red leaves. Very uniform for color, growth rate, shape and size. Both upper and lower leaf surfaces stay deep red through maturity. Retains milder flavor through all the growth stages. Upright habit makes harvest easy. Fresh Mkt., Bedding.

3162U Red Giant 40 days. Dark purplish red with large leaves and nice mustard pugency. Suitable for use as an ornamental edible or as an element of color in salads. Leaf type mustard and slow bolter. Fresh Mkt., Restaurant.

3167 Savanna 1 oz. Very early, productive plants. Smooth, thick leaves are dark green. Nutritious, tangy-flavored greens are excellent for boiling, steaming, and stir frying. Large, upright, vigorous plants are widely adapted. Bunching, Fresh Mkt.

3172U Southern Giant Curled 45 days. Popular variety for bunching. Bright green, frilled and curled leaves; upright, long standing plants.

3177 Tendergreen 40 days. Dark green, very smooth oblong leaves keep deep color even in the hot, dry spells. Large, erect, early bearing plants, good yield potential. Early maturity for quick harvest. Distinct mild spinach/mustard flavor. Fresh Mkt, Gdn.

Okra

Approx. 500 seeds/oz. (Formerly of genus Hibiscus.) Pkt plants 20’ of row; 2 oz sows 100’. Direct-sow 3-5 lbs/acre. Sow seeds 1/4” deep, 18-24” apart in rows 42-60” apart. Seeds germ in about 10 days. Plants have ornamental flowers and attractive leaves; pods are about 3” long. Days to maturity are from sowing.

3191 Candle Fire 60 days. Bright red pods are smooth, slender and ribless, borne on bright red stems of same intense hue. Very productive and long bearing. Got high marks in nationwide AAS trials for taste, tender texture, value as edible, ornamental and yield, which was reported at 30 pods avg per plant. Plant sets fruit at 2 and continues growing and yielding till frost. Eventual spread about 2’. Harvest pods when 4.5-5 x 7.55. Turns green when cooked. Fresh Mkt., Ornamental Fresh or Dried Stalks.

3197 Clemson Spineless #80 60 days. High quality. Spineless, rich green pods. Highly productive 6’ plants. Developed by SC Ag Experiment Station. Fresh Mkt.

Cat# | Mustard | 1/32 oz | 1 oz | 1/4 lb | 1/2 lb | 1 lb | 5 lb (per lb) | 10 lb (per lb)
--- | --- | --- | --- | --- | --- | --- | --- | ---
3167 | Savanna | 2.00 | 13.30 | 45.25 | 76.70 | 139.50 | 118.20 | 113.95
3177 | Tendersgreen | 1.95 | 4.15 | 6.20 | 10.70 | 19.15 | 17.50 | 16.35

Cat# | Mustard | 1/16 oz | 1 oz | 1/4 lb | 1 lb | 5 lb (per lb) | 10 lb (per lb)
--- | --- | --- | --- | --- | --- | --- | ---
3157U | Florida Broad Leaf | 1.60 | 2.55 | 3.80 | 8.15 | 6.30 | 4.55
3159U | Green Wave | 2.00 | 4.40 | 6.45 | 21.50 | 19.00 | 17.50
3162U | Red Giant | 1.75 | 4.40 | 6.60 | 22.40 | 19.85 | 18.20
3172U | Southern Giant Curled | 1.70 | 2.70 | 4.00 | 8.60 | 6.65 | 4.80

Cat# | Mustard | 250 sd | 1000 sd | 5 M (per M) | 10 M (per M) | 50 M (per M)
--- | --- | --- | --- | --- | ---
3161 | Mizuna Mix America | 1.75 | 2.50 | 0.55 | 0.40 | 0.30

Cat# | Okra | 1/8 oz | 1 oz | 1/4 lb | 1 lb | 5 lb (per lb)
--- | --- | --- | --- | --- | --- | ---
3191 | Candle Fire | 5.25 | 15.45 | 25.35 | 91.30 | 163.15 | 298.20 | 278.75
3199U | Green Fingers | 5.20 | 15.15 | 24.35 | 86.15 | 152.60 | 280.00 | --
3200 | Jambalaya | 3.35 | 9.75 | 16.15 | 57.65 | 94.25 | 180.75 | 173.15

Cat# | Okra | 1/4 oz | 1 oz | 1/4 lb | 1 lb | 5 lb (per lb) | 10 lb (per lb) | 50 lb (per lb)
--- | --- | --- | --- | --- | --- | --- | --- | ---
3197 | Clemson Spineless #80 | 1.70 | 2.00 | 2.75 | 4.15 | 6.15 | 5.70 | 5.40 | 5.15
3198 | Clemson Spineless #99 | 1.75 | 2.15 | 2.90 | 4.25 | 6.35 | 5.90 | 5.60 | 5.35
3202U | Red Burgundy | 1.55 | 1.75 | 2.45 | 4.15 | 7.35 | 6.75 | -- | --
**Onion (Allium cepa)**

Approx. 8,500 seeds/oz. Pkt plants 25-30’ of row; 1 oz sows 100’. Direct-sow 3’-4’ bunches. Sow seeds 1” deep, 1’-4’ apart in rows 16-24’ apart. Seeds germinate in about 10 days. Days to maturity are from sowing.

**Intermediate Day**

3221 Candy F1 100 days. A favorite throughout the US for its versatility and mildness. Golden straw color scales with white flesh. Yields 4” jumbos with a globe shape. Short, sturdy tops and small, tight necks. Matures early in Northern growing areas. Excellent potential for transplants. Sweet and mild flavor. Fresh mkt.

3240 Great White F1 103 days. Sweet Spanish type but with beautiful luminous white skin and interior. High % single centers. This is one of Crookham’s Celebrate onions. Vigorous tall tops create a canopy to protect bulbs from sunburn, provide a larger leaf area to feed the root system and fewer hiding places for thrips; easier spray applications. The result is high yield potential of clean, jumbo grade onions with great flavor and fewer problems for the grower. Good storage for 3-4 months. Tolerant FW, PR.

3257 Saffron F1 100 days North, 110 days mid states. Needs 12-14 hr daylength at end of growth cycle to bulb up. Large 3.5-4” yellow Grano with excellent storage capabilities, but also quite sweet, unusual for a long storage onion. Beautiful dark yellow bronze skin, refined neck and highly single-tailed. Trialed well from North Carolina to Northern US. Maturity will be earlier in north, later in mid states. Not recommended for deep south. Fresh Mkt, Storage.

3246U Ramrod (Allium cepa) 60 days. Winter hardy type with good capability for both fall and spring harvest. Leafier and milder than many bunching varieties and may produce a small attractive bulb if grown past the usual harvest stage. Can develop into a larger, bolder salad onion, especially if allowed to overwinter into spring growth season.

**Long Day**

3219 Blush F1 107 days. Unique long day onion. Beautiful delicately colored pink flesh, strong rose-tinted skin. Long storage. Well adapted and easy to grow. Resistant PR. Fresh Mkt, Restaurant.

3223 Century F1 98 days. Yellow. Early maturing. Good yield potential. Very long storage. Strong skin with refined neck. Recommended for testing in all areas. Resistant PR.

3249 Red Carpet F1 Late season maturity with good long term storage ability. Large, hard, bulbs with excellent red color throughout. Refined rounded shape. Resistant PR.

3265U Evergreen White Bunch 120 days. High quality. Very long; slender, white shanks with white skin attractive for bunching, delicate flavor. Plants are slow to bolt. Hardy plants winter over for spring crops. Resistant PR, Smut.

3239 & 3239U Feast 65-70 days. Clean white upright single stalks with white stem 16-20” long topped by 7-8 thick deep green leaves. White neck is tight and uniform for easy packing of classy-looking bunches. High yield potential due to good heat tolerance and good disease package. Recommended for summer production. Resistant DM, ALS. Fresh Mkt, Roadside, Shipping.

**Short Day**

3226 Century F1 160 days. Midseason. Bred for Vidalia market growers. Granex type with light gold scales, flat globe Granex shape, capable of high packout of Colossal to Jumbo grade bulbs with good sugar readings and low pungency. Bulbs very uniform. Stores well compared to other Granex types. Resistant FB, PR.

3225 Chianti F1 Late season SD, 170 days from sowing, 85 days from transplant. Short-day red with Granex type shape. Large 3-3.5” bulbs with deep, long lasting red skin color. Rings are wide and crisp, with broad red bands that develop through maturity and intensify during curing. Sweet, mildly pungent flavor. Good for short to mid mid range storage, 2-4 months. High percentage single centers. Capable of high yields under good standard conditions. Tolerant PR. Fresh SD "Vidalia" Type Mkt. Ships and stores well.

3258 Sapelo Sweet F1 Short day, jumbo, sweet Granex type. Mid early maturity in Vidalia® production areas. Tops are dark green with 7-8 leaves with 2 skins. Also features a light bronze, tight skin and firm, wide interior rings. Produces bulbs or 2:1 ratio with high percentage of jumbo size. High yield potential. Moderate Tolerance PR.

3276 White Phantom F1 110-115 days. Early, short day white with large to jumbo 3” bulbs. High percentage of single centers. Excellent foliage. Has been found in some trials to withstand high heat conditions. Resistant PR. Fresh mkt, Storage.

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l)
More Bunching Types
(Scallions)

**3247 Red Baron Bunching** 75 days. The first red buncher to stay colored through all stages of growth and under wide range of temps.

**3274 Warrior** 60 days. Early maturing. Refined appearance with bright green stalk color sharply delineated from pure white base. Can harvest from 10-24”. Stalks are uniform, slender, .5” at base. Nationwide AAS trials reported good durability, holding longer in field than comparisons. Quite pungent and tasty. Tolerant PR. Fresh Mkt, Shipping, Garden Center Sales. Southeast, Mountain/Southwest.

**Pearl Onion**

**3227 Crystal White Wax** 60 days. Produces lots of small, white, pearl onions very uniform in size and shape. Perfect for pickling, hors d’oeuvres or cocktails. Sow thickly and harvest early. Mild flavor. Resistant PR.

**Sweet Spanish Types**

**3218 Almagro F1** 149 days. ID. Replaces Expression in breeder’s program. Consistent producer of sweet jumbos for northern production. Adaptable to a wide range of soil types. Thick sweet rings, great sandwich fare. Can reach premium sweet jumbo market in late season when the southern crop is no longer available.

**3241 Lasso F1** 112-114 days. ID. Improved yellow Spanish onion. 2.5-3” bulbs with high pet single centers and firm flesh even after storage. Attractive, clean rosy-brown skin. Vigorous plant growth. Grower friendly, adapted to all areas where long day Spanish onions are grown. Strong pink root tolerance. Tolerant PR. Fresh Mkt, storage, shipping.

**3227U Walla Walla** 105 days. ID. Extra sweet, extra large and earlier than other Spanish types. Light brown skin, white flesh, very mild and sweet. Summer ripening for fresh use, very cold hardy; short shelf life. Does well in the northeast.

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**Shallots**

Plant shallots at a rate of 14 seeds per foot.

**3986 Ambition F1** 90 days. Long Day. The genuine French delicacy at last available from true seed, can be grown like any onion, with less labor and without the diseases carried by sets. Small 1.5”-2” round reddish brown onions with special flavor. Bolt resistant. Very long storage ability. Fresh Mkt, Specialty Mkt.

**3983 (Echallion) Creme Brulee F1** 115 days. Special type of shallot, commonly called banana shallot, with oblong single-centered bulbs, bright coppery pink outer skin and attractive rose-purple interior with thick rings. Bulbs are sweet and tender, milder flavored, mature earlier than standard shallots, and the single bulb is easier to peel. Plant reaches 2-3 ft tall. Tolerant PR. Fresh Mkt, Shipping, Great Lakes, Southeast, West/Northwest.

**3989 Innovator F1** 112 days. First ever Downy-resistant Shallot requiring less chemical application and easier culture than other shallots. Good vigor, making a strong stand and promoting good yield potential. Suitable for long storage. Skin is reddish brown. Interior flesh is pink. Elongated bulbs are 3-4” long & 2-3” wide. Green tops are 12-18” long. Resistant DM. Fresh Mkt, Processing.

**Potato**

Pelleted seed only. Start indoors at temps between 65 degrees and 80 degrees in soil with pH from 5-6. It is not advised to have nutrients in the sowing medium. Once seed emerges, add plant food. Cut nutrients 1 week prior to transplant. Plant outdoors with 2-4” of top above soil level. When seedlings reach 4-5” tall, begin hilling with soil or straw. Continue throughout the season as necessary.

**3701 Clancy F1** 110 days from transplant. Received high marks in nationwide trials. True seed stores more easily than spuds with less risk of disease transmission. Tubers average 3” x 4”, round oval, smooth skin ranging from red to rose blush and creamy white or yellow flesh. Germinate indoors or in seedbed like tomato, transplant at approximately 25 days with 4 true leaves. Delicious flavor midway between russet and yellow varieties. Fresh local, Farm Mkt, Roadside.

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**Onion Disease Codes**

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### Parsley (Petroselinum crispum)

- **Dark Green Italian**
  - 78 days.
  - We believe this is the best strain of plain parsley available. Produces large quantities of dried.
  - Strong flavor used fresh or dried as herb. Flavoring. Fresh Mkt.
  - Broad, dark green leaves; may be cut repeatedly. Leaves with strain of plain parsley available. Produces large quantities of dried.

### Peas (Pisum sativum)

#### Cowpeas (Vigna unguiculata)
- **[Southern Peas]** Culture same as for bush beans. Use fresh/dried.

1164U **Mississippi Pink Eye II Purple Hull**
- 60-70 days.Young pods change from green to purple as they mature and dark purple when dry. Mississippi Pinkeye II was developed from Mississippi Pinkeye for much greater cold tolerance, stronger emergence and better seedling survival. Tolerant FW, N.

1166U **Mississippi Purple Brown Crowder PVP**
- 70 Days. Large seeded, brown cowder with reddish-purple pods at green shell stage. Plants have much less vine and a higher concentration of pods with the pods maturing over a short time span. Pods shell very easily. High yield. Tolerant FW, N.

1168 **Pink Eye Purple Hull**
- 80-85 days. Well known standard variety with excellent flavor. Productive, bunch-type plants have possibility of a second crop maturing seven weeks after first harvest if favorable weather persists.

1175 **QuickPick Pinkeye**
- Non-vining erect bush type habit. Uniform early high yield with pod set well synchronized in clusters of 2 to 3 pods per node, carried high on the plant, above the foliage. Easy harvest by machine or by hand. Straight 8” pods avg 11 peas per pod. Pod matures to dark purple. Fresh peas are green with pink eye, drying to cream with maroon eye. Resistant BLCMV.

Please see prices on pg 46

### Parsnip (Pastinaca sativa)

- **Harris Model**
  - 120 days. Very attractive; well known for the smoothest roots. Long, white roots 10-15” keep their whiteness after harvest without discoloring. High quality for packing/bushel sales.

1180U **Top Pick Pink Eye**
- 50 days. Improved pinkeye, upright bush type. Loads up with blooms. Pod placement is concentrated cluster on top of plant. For fresh “green” peas, pick when pods are pale or light purple, NOT deep purple. Plant height 18-26” depending on soil type. Easy shelling. High yields, good virus and disease tolerance. Tolerant FW, N.

3316U **Starlett**
- 80 days, depending on sowing season. Very fast crop time and extra dark green “moss-curved” foliage. Robust plants with potential to yield high volume of dense, heavy leaf cusions on strong stems. Medium rough, curled leaves show good shelf life after harvest. Open Field or Container, Fresh Garnish, Garden Ctr Plant Sales.

3312 **Triple Curled**
- 68 days. Tightly curled leaves attractive for garnish or salad.

3316U **Top Pick Curled**
- 50-55 days to fresh pea harvest; longer to dry pea stage. Upright bush habit provides cleaner picking than old-style vine types. Pale silvery green pods develop pale pink tinge when ready for harvest. Concentrated top-set pods. Early, good shell-out. Fresh Mkt. Shelled or in pod, Freezing, Drying.

3317U **Top Pick Brown Crowder**
- 50-55 days to fresh pea harvest; longer to dry pea stage. Upright bush habit provides cleaner picking than old-style vine types. Pale silvery green pods develop pale pink tinge when ready for harvest. Concentrated top-set pods. Early, good shell-out. Fresh Mkt. Shelled or in pod, Freezing, Drying.

### Peas

**[Cowpeas]**
- Approx. 1,800 seeds/oz. Pkt plants 30’ of row; ½ oz sows 100’. Direct-sow 3-5 lbs/acre. Sow seeds ½-⅝” deep, 4-12” apart in rows 18-36” apart.

**Parsley**
- Approx. 18,500 seeds/oz. Pkt plants 30’ of row; ½ oz sows 100’. Sow 3-4” deep, 42” apart in rows 12-36” apart.

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
**Cowpea**

1276 Mr. Big 58 days. Giant podded, 4” x 5”, easy to pick and shell. Pod zips out 9 to 10 extra plump peas. Stays sweet longer than most. Productivity excellent due to early set of 2 pods per node and disease resistance. Resistant FW 1, PM.

1282U Patio Pride 40 days. Compact, densely branching plants start flowering at 10” tall and grow to 24”. AAS trials reported avg of 30+ pods per plant. Produces 2-3” pods very quickly with 5-6 sweet tender peas per pod. First-early harvest in spring and multiple succession plantings. Direct sown containers can be sold in early spring gdn mkts. Fresh Mkt, Gdn Center Sales. Southeast.

**Pea Parsley**

1277U Pea Parsley 24 days to side shoot clipping. 60 days to pea pod harvest. Produces bunches of small delicious leaves with sweet pea flavor on tender branching tendrils which are clipped and used in the specialty greens markets. Sweetest when clipped young. Both clipping and pea harvest can be had by waiting for mature pods and harvesting both. The leafy tendrils will continue to be produced. Vines stand 24-32”. Also featured on pg 31.

1324U Little Purple F1 50-54 days. Early Dwarf Snap Pea. Produces plump 3” pods maturing six days earlier than Sugar Snap. Vigorous productive vines grow 55-65” requiring support. Resistant PM. Tolerant BLCMV, PM, CW, PSV. Fresh Mkt, Garden. Superceded Sugar PVP.

**Snap Peas** (Edible-Podded Peas)

1295 Sugar Sprint PVP 62 Days. Supercedes Sugar Snap PVP. Ann and Sugar Bon. Early, sweet and stringless. Improved disease traits and short 26” vines. High yield potential, avg. 12 nodes at 2 pods per node. Resistant PM. Tolerant PEMV, PM, CW, PSV. Fresh Mkt, Freezing, Shipping.

1300 Super Sugar Snap PVP 66 days. A sweet, crisp snap pea. Produces plumper 3” pods than most in container, 24” tall in ground. Soft purple flowers. Flat pods are glossy bright green. Needs no trellis. A low maintenance space saver for close spaced row crop or container sales. Ornamental and edible. Fresh mkt, Plant sales.

1324U Oregon Sugar Pod II 68 days. Eggs on the bottom of the vines. Plants 24-28”. Tolerant PYRV, PEMV, PM, CW, PSV. Fresh Mkt, Garden.

**Cowpea/Pea Diseases**

- BLCMV: Blackeye Cowpea Mosaic Virus
- BLRV: Bean Leaf Roll Virus
- BYMV: Bean Yellow Mosaic Virus
- DM: Downy Mildew
- FW: Fusarium Wilt & race #8
- N: Nematode
- PEMV: Pea Enation Mosaic Virus
- PM: Powdery Mildew
- PSV: Pea Streak Virus
### Sweet Bell Peppers

**Antebellum X10R® F1**

Southeast trials marked this as a must-have for the region. Mostly 4-lobed. Capable of jumbo sizes up to 4.5”-5”. No anthocyanin purpling. Dense foliage provides good protection. 22-30” plants. Fresh Mkt, Shipping.

**Jupiter PVP**

Highly commercial bell with unique traits important to growers. 3.5 x 3.5” fruit sets continuously on 2 ft plants. Open plant structure makes harvest easier. Tight leaf canopy provides good sun cover for fruit. Good tolerance against cold and drought stress. Fresh mkt, Shipping.

**California Wonder #300 TMR**

Yellow version of the famous California Wonder 300. Large 5” x 4” thick walled fruit matures light green to golden yellow. Long harvest season.

**Golden California Wonder**

OP. Very large, extremely blocky fruit. 4” x 4”. Widely adapted. Fresh Mkt, Shipping, Garden.

**Keystone Resistant Giant #3**

Large fruited Florida Giant type, capable of producing mostly 4-lobed 4.5 x 3 3/4” fruits. Deep green, thick walled. 30” tall plants with pendant habit and thick stems. Capable of continuous harvest.

**King Arthur F1**

Large blocky 4.5” x 4.5”, 3-4 lobed fruit. Upright habit. Widely adapted. Fresh Mkt, Commercial.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3345 Antebellum X10R® F1</td>
<td>74</td>
<td>![Pepper Image]</td>
<td>Resistant TMV; Tolerant BLS 1-10, TSWV</td>
<td>Southeast trials marked this as a must-have for the region. Mostly 4-lobed. Capable of jumbo sizes up to 4.5”-5”. No anthocyanin purpling. Dense foliage provides good protection. 22-30” plants. Fresh Mkt, Shipping.</td>
</tr>
<tr>
<td>3373 Bayonet F1</td>
<td></td>
<td>![Pepper Image]</td>
<td>Resistant BLS 1-5,7,8,9; TMV, Tolerant TSWV 0</td>
<td>Highly commercial bell with unique traits important to growers. 3.5 x 3.5” fruit sets continuously on 2 ft plants. Open plant structure makes harvest easier. Tight leaf canopy provides good sun cover for fruit. Good tolerance against cold and drought stress. Fresh mkt, Shipping.</td>
</tr>
<tr>
<td>3377U California Wonder #300 TMR</td>
<td>74</td>
<td>![Pepper Image]</td>
<td>Resistant TMV</td>
<td>OP. Selected mosaic resistant strain. Avg size 4” x 4”. Mostly 4-lobed. Compact 24-28” plants. Fresh Mkt, Commercial.</td>
</tr>
<tr>
<td>3394U Chablis F1</td>
<td>60</td>
<td>![Pepper Image]</td>
<td>Resistant BLS, TMV</td>
<td>4” x 3” mostly 4-lobed fruit matures from cream to orange to red, growing ever sweeter. Can be harvested at any of these stages for color pepper. Thick walled. Compact 12” plants. For bedding or pot sales.</td>
</tr>
<tr>
<td>3410U Encore F1</td>
<td>50-60</td>
<td>![Pepper Image]</td>
<td>Resistant PMV, PVY 0-2</td>
<td>High % extra-large grade, blocky peppers 5.75” X 5.75” in size. Fruit are firm and smooth. Plant is medium ht, 24” tall and provides very strong foliage cover to protect fruit from sun-scall. Fresh mkt, shipping, fancy extra-large stuffing.</td>
</tr>
<tr>
<td>3425U Golden California Wonder</td>
<td>70</td>
<td>![Pepper Image]</td>
<td></td>
<td>Yellow version of the famous California Wonder 300. Large 5” x 4” thick walled fruit matures light green to golden yellow. Long harvest season.</td>
</tr>
<tr>
<td>3467U Jupiter PVP</td>
<td>72</td>
<td>![Pepper Image]</td>
<td></td>
<td>Large fruited Florida Giant type, capable of producing mostly 4-lobed 4.5 x 3 3/4” fruits. Deep green, thick walled. 30” tall plants with pendant habit and thick stems. Capable of continuous harvest.</td>
</tr>
<tr>
<td>3468U Keystone Resistant Giant #3</td>
<td>72-80</td>
<td>![Pepper Image]</td>
<td>Tolerant TMV</td>
<td></td>
</tr>
<tr>
<td>3472 King Arthur F1</td>
<td>72</td>
<td>![Pepper Image]</td>
<td>Tolerant BLS 2, PVY, TEV, TMV</td>
<td>Large blocky 4.5” x 4.5”, 3-4 lobed fruit. Upright habit. Widely adapted. Fresh Mkt, Commercial.</td>
</tr>
</tbody>
</table>

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To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l)

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**Approx. 4,500 seed/oz. Hybrid packets contain 25 seeds; OP packets produce about 75 plants; 7 oz. produces approx. 10,000 plants. Seeds germ in about 10 days. Set plants 12-24” apart in rows 18-36” apart. Days to maturity are from transplant.**

**Summer Sweet®** is a registered trademark of Abbot & Cobb, Inc. All varieties in the Summer Sweet® series are also part of our Professional Seeds Series.

---

**Cat#** | **Pepper** | **25 sd** | **100 sd** | **500 sd** | **1000 sd** | **5 M (per M)** | **10 M (per M)** | **25 M (per M)** | **50 M (per M)** |
<table>
<thead>
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<td>77.65</td>
<td>119.30</td>
<td>116.25</td>
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<td>King Arthur</td>
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**Encore F1**
### More Sweet Bell Peppers

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<th>Variety</th>
<th>Days</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3475 Majestic Red F1</td>
<td>75 green, 85 red</td>
<td>Resistant BLS 0-3, 5,7-8; TMV; Tolerant Pc</td>
<td>Fruit can reach 5.5&quot; x 3.5&quot; and avg 4-6 oz, thick walled and meaty. Intense candy apple red at maturity. 2-3 ft. plants provide dense leaf cover for good protection. Widely adapted.</td>
<td></td>
</tr>
<tr>
<td>3489U Muscato F1</td>
<td>75</td>
<td>Tolerant TMV</td>
<td>5 x 4&quot;, 4-lobed, dark green to orange. Heavy yields of blocky, very thick wall, pendant fruits are produced on vigorous 24&quot; plants with thick stems. Continual bearing, widely adapted.</td>
<td></td>
</tr>
<tr>
<td>3492 Ninja S10 F1</td>
<td>75 green, 89 red</td>
<td>Resistant TMV, BLS 0-10</td>
<td>Well suited to production where BLS is a concern. High yield potential with mostly 4.5&quot; x 4&quot; diam fruit reported in trial. Thick walls have been measured at .25&quot;. Strong plants, good setting ability, full leaf canopy. Very good for Eastern US.</td>
<td></td>
</tr>
<tr>
<td>3497U Orange Sun</td>
<td>70 green, 80 orange</td>
<td></td>
<td>Excellent flavor, thick flesh, 3-4 lobed. Avg size is 4-5&quot;.</td>
<td></td>
</tr>
<tr>
<td>3499 Playmaker X10R® F1</td>
<td>56 green, 70 red</td>
<td>Resistant TMV, Tolerant BLS 0-10, Pc</td>
<td>Northeast trials gave especially high marks for high yield potential, also a standout in NC Mountain areas. Compact 20-24&quot; plants bear concentrated set of heavy, smooth, blocky 8.5-oz fruit. 4&quot; wide x 4.5&quot;. Anthocyanless, so fruit keeps nice, clear color to market. Can be a game-changer for all growers where BLS is present. Worth trying throughout Eastern US.</td>
<td></td>
</tr>
<tr>
<td>3502U Purple Beauty</td>
<td>65 green, 70 purple, 80 red</td>
<td>Resistant BLS 1-5,7,9; TMV 0, Phytophthora</td>
<td>Thick walled, meaty 3-4 lobed fruit with crispy, tender texture. Heavy leaf coverage protects from sun scald.</td>
<td></td>
</tr>
<tr>
<td>3524 Samurai S10</td>
<td>70 green, 84 red</td>
<td>Resistant TMV, BLS 0-10</td>
<td>Well suited to production where BLS is a concern. High yield potential with mostly 4&quot; x 3.5&quot; fruit in trial. Thick walls measured at .25&quot;. Strong plants, good setting ability, good leaf canopy. Very good for Eastern US. Fresh Mid, Shipping</td>
<td></td>
</tr>
<tr>
<td>3572 Summer Sweet® 8610 F1</td>
<td>73 green, 83 yellow</td>
<td>Tolerant BLS 1-3, TMV, PVY</td>
<td>Top quality, deep blocky 4.5&quot; x 5&quot; fruit. Solid, thick-walled, mostly 4-lobed. Very sweet flesh at yellow maturity. Good leaf canopy protection.</td>
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</tr>
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### Pepper Disease Codes

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pepper</th>
<th>BLS</th>
<th>N</th>
<th>Pc</th>
<th>PMV</th>
<th>PMMV</th>
<th>PVY</th>
<th>Stp</th>
<th>TEV</th>
<th>TMV</th>
<th>ToMV</th>
<th>TSWV</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>25 sd</td>
<td>100 sd</td>
<td>500 sd</td>
<td>1000 sd</td>
<td>5 M (per M)</td>
<td>10 M (per M)</td>
<td>25 M (per M)</td>
<td>50 M (per M)</td>
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<tr>
<td>3475</td>
<td>Majestic Red</td>
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</table>

**Additional Information:**
- **Pepper Disease Codes:**
  - **BLS:** Bacterial Leaf Spot & race #’s
  - **N:** Nematode
  - **Pc:** Phytophthora Blight
  - **PMV:** Pepper Mottle Virus
  - **PMMV:** Pepper Mild Mottle Virus
  - **PVY:** Potato Virus Y & race #’s
  - **Stp:** Strix
  - **TEV:** Tobacco Etch Virus
  - **TMV:** Tobacco Mosaic Virus & pathogen types
  - **ToMV:** Tomato Mosaic Virus
  - **TSWV:** Tomato Spotted Wilt Virus
### More Sweet Peppers

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3603 SVPB8415 X10R F1</td>
<td>85 days green, 95 days yellow</td>
<td>Resistant TMV; Tolerant BLS 1-10</td>
<td>Large, blocky 4.5” diam thick-walled fruit borne on vigorous 36” plant. Very sweet especially at yellow-ripe stage. High yield potential enabled by broad disease pkg. Color shifts from green to yellow quickly &amp; uniformly and holds well after turning color.</td>
<td></td>
</tr>
<tr>
<td>3612U Sweet Chocolate</td>
<td>58 green, 86 chocolate</td>
<td>Early medium 3-4 lobed pepper with thick walls and unusual, intense chocolate color at full maturiy.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3631 Touchdown F1</td>
<td>70 green, 76 red</td>
<td>Resistant TMV 0, BLS 0-5, 7-9</td>
<td>Trials avg. 4.5-6” X 4-4.5” extra large blocky bells. Fruit is thick walled and uniform. Med. sized plants are 24-30”, vigorously branched. Tight protective foliage canopy. Continuous setting ability.</td>
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<tr>
<td>3633 Turnpike X5R® F1</td>
<td>55 green, 65 red</td>
<td>Resistant BLS 0-5, 7-9, Pc</td>
<td>Large 8-9 oz, 5.5” x 4” fruit. Vigorous 22-26” plants. Strong multi-disease resistance. Excellent hot/humid performance.</td>
<td></td>
</tr>
</tbody>
</table>

#### Sweet Banana

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Shape and Color</th>
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<th>Description</th>
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<tbody>
<tr>
<td>3372 Banana Bounty F1</td>
<td>65</td>
<td>Smooth fruits 8”x2” taper to a point. Thick, sweet light yellow flesh. Turns red at full ripe stage. Vigorous 2ft plants; high yield potential. Fresh Mkt, Processing.</td>
<td></td>
<td></td>
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<tr>
<td>3607U Sweet Banana</td>
<td>68</td>
<td>Hungarian wax type. 6”x1.5” with sweet flesh. Bright yellow fruits turn red at maturity. Fresh Mkt, Commercial.</td>
<td></td>
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<tr>
<td>3615 Sweet Sunset X3R® F1</td>
<td>85</td>
<td>Tolerant BLS 0-3, 7-8</td>
<td>Compact, upright habit with vigorous branching, with high yield potential and concentrated fruit set. Compact plant needs no staking. Grows well in container for greenhouse harvest or bedding plant sales. Early for its class; capable of extended harvest. Fresh Mkt, Processing, Bedding Plant Sales. Southeast, Heartland, West/Northwest.</td>
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<table>
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<tr>
<th>Cat#</th>
<th>Pepper</th>
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<th>1/4 lb</th>
<th>1/2 lb</th>
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**To Order Call:** 800-622-7333 (USA) or 864-227-5140 (Int’l)
## Sweet Specialty Peppers

<table>
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<th>Variety</th>
<th>Days Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3387U Carmen F1</td>
<td>63 green, 80 red</td>
<td></td>
<td>Classic Italian bull horn shape. 5 oz fruit is 6” x 2.5”. Very sweet from first show of red pigment. Upright plant 28” tall x 16” wide. Good protective leaf canopy. Fresh Mkt, Roadside, Garden.</td>
</tr>
<tr>
<td>3395 Cherry Pick F1</td>
<td>68 green, 82 red</td>
<td>Resistant TMV</td>
<td>Early, Uniform 1.5”. Cherry shaped fruits mature glossy green to bright red. 20” plants with strong stalks, strength and good cover. Concentrated set, easy harvest. Fresh Mkt, Restaurant.</td>
</tr>
<tr>
<td>3396U Cornito Giallo F1</td>
<td>75</td>
<td></td>
<td>Italian frying type with sweet fruity flavor. Cones shaped 6” x 2” peppers avg 5 oz. Nationwide AAS trials reported 25-35 fruits per plant. Plant is 24” tall x 16” wide. Specialty, Restaurant, Garden Center.</td>
</tr>
<tr>
<td>3411U Escamillo F1</td>
<td>77</td>
<td></td>
<td>Italian roasting pepper, also good raw or fried. Fruit are 8” x 2.5” and avg 6 oz. Plant is 24” tall x 16” wide. Fresh Mkt, Specialty, Garden Center.</td>
</tr>
<tr>
<td>3426U Grenada F1</td>
<td>75 green, 82 red</td>
<td>Resistant BLS 0-3, 7-8</td>
<td>Long, blocky cubanelle with shallow shoulders and smooth exterior. Plant 2-3 ft apart. Dense protective canopy. Widely adapted. Fresh Mkt, Shipping, Garden Center, Bedding Plants.</td>
</tr>
<tr>
<td>3476U Mama Mia Giallo F1</td>
<td>85</td>
<td>Tolerant TMV</td>
<td>Early, sweet Marconi type. Horn shaped 7-9” long fruit. Avg. weight 2-4 oz. Bushy 24” tall x 20” wide plants can bear 25-30 fruit. Fresh Mkt, Cello, Chef Specialty, Bedding Plant.</td>
</tr>
<tr>
<td>3479 Marconi Red</td>
<td>70-91</td>
<td></td>
<td>Fruit up to 12” long x 3” diam at shoulder. Ripens red early. Plant is 24”-30” tall x 24”-30” wide. A choice Italian heirloom. Fresh mkt, Restaurant, Specialty.</td>
</tr>
<tr>
<td>3498U Pimiento</td>
<td>65 green, 90 red</td>
<td></td>
<td>Robust plant to 30”. High yields of smooth, thick walled heart shaped fruit, 3 x 2.5”. Extra sweet when red ripe. Fresh Mkt, Canning.</td>
</tr>
<tr>
<td>3509U Right On Red F1</td>
<td>58 green, 65 red</td>
<td></td>
<td>Eye catching. Numerous deep red flat-round 2.5”-3” fruit atop compact 18-24” tall plant. Good in container. Fresh Mkt, Bedding Plants, Containers.</td>
</tr>
<tr>
<td>3620 Takara F1</td>
<td>60</td>
<td></td>
<td>Shishito type, much in demand. Some citrusy and some hot fruits on each plant. Dark green, crinkly, 3.5” x 1” with blunt tips, thin walls and tender cavity. Fresh Mkt, Specialty, Restaurant, Garden Center.</td>
</tr>
</tbody>
</table>

### Seed Prices

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pepper</th>
<th>1/32 oz</th>
<th>1/2 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1/2 lb</th>
<th>1 lb</th>
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<tbody>
<tr>
<td>3387U</td>
<td>Carmen</td>
<td>1.75</td>
<td>4.55</td>
<td>7.30</td>
<td>25.85</td>
<td>45.80</td>
<td>84.00</td>
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<tr>
<td>3395</td>
<td>Cherry Pick</td>
<td>1.75</td>
<td>4.55</td>
<td>7.30</td>
<td>25.85</td>
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<td>84.00</td>
</tr>
<tr>
<td>3396U</td>
<td>Cornito Giallo</td>
<td>1.75</td>
<td>4.55</td>
<td>7.30</td>
<td>25.85</td>
<td>45.80</td>
<td>84.00</td>
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<tr>
<td>3411U</td>
<td>Escamillo</td>
<td>1.75</td>
<td>4.55</td>
<td>7.30</td>
<td>25.85</td>
<td>45.80</td>
<td>84.00</td>
</tr>
<tr>
<td>3426U</td>
<td>Grenada</td>
<td>1.75</td>
<td>4.55</td>
<td>7.30</td>
<td>25.85</td>
<td>45.80</td>
<td>84.00</td>
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<tr>
<td>3476U</td>
<td>Mama Mia Giallo</td>
<td>1.75</td>
<td>4.55</td>
<td>7.30</td>
<td>25.85</td>
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<tr>
<td>3479</td>
<td>Marconi Red</td>
<td>1.75</td>
<td>4.55</td>
<td>7.30</td>
<td>25.85</td>
<td>45.80</td>
<td>84.00</td>
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<tr>
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<td>Pimiento</td>
<td>1.75</td>
<td>4.55</td>
<td>7.30</td>
<td>25.85</td>
<td>45.80</td>
<td>84.00</td>
</tr>
</tbody>
</table>

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**Email:** twilley@twilleyseed.com  **Fax:** 864-227-5108
## Hot Peppers

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ancho/Poblano</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3487U Mulato Islano</td>
<td>85-95</td>
<td>![Image]</td>
<td></td>
<td>Thick, tasty flesh. Full ripe “ancho” stage used for drying. 6” x 3” heart shaped with mild heat. 1000-3000 Scovilles. Fresh Mkt, Relenos, Drying, Salsa, Processing.</td>
</tr>
<tr>
<td>3506U Poblano</td>
<td>73</td>
<td>![Image]</td>
<td></td>
<td>Distinctive large heart shaped fruit are peeled and stuffed for chiles rellenos in green stage, and as chief ingredient of Poblano chili powder at reddish brown dried stage. 18-24&quot; plants spread about 18&quot;. Fresh mkt, stuffing, Drying, Specialty.</td>
</tr>
<tr>
<td>3632 Trident F1</td>
<td>80-85</td>
<td>![Image]</td>
<td>Resistant TMV 0</td>
<td>High yield potential. Extra large, tapering 2-lobed 6.5 x 3.5” fruit, avg 5 oz. Shiny, dark green to red. Mild heat (250-1500 Scovilles). Widely adapted. Good dry weight. Fresh mkt, Drying, Stuffing, Restaurant.</td>
</tr>
</tbody>
</table>

| **Cayenne**      |      |                 |                          |                                                                                                                                                                                                          |
| 3397 Arapaho F1  | 60-65 | ![Image]       |                          | Long, narrow fruit colors quickly to vibrant red with medium pungency. Compact but robust plant habit. Fresh Mkt, Processing, Shipping.                                                                          |
| 3393U Cayennetta F1 | 69   | ![Image]       | Resistant Tobamovirus P 0 | Prolific 3-4" mildly spicy fruit. Compact, bushy plant 24" tall x 20" wide. Good in container. Requires no staking. Hot and cool weather tolerant. Fresh Mkt, Bedding, Container, Ornamental edible. |
| 3392 Cayenne Large Red | 74   | ![Image]       |                          | 6-7” x 1.25" fruits with medium, thick hot flesh. Plants avg 24". Fresh mkt, Drying, Processing, Salsa.                                                                                                      |

| **Chili**        |      |                 |                          |                                                                                                                                                                                                          |
| 3342U Anaheim Chili | 77   | ![Image]      |                          | Pungent 7-8” x 1.5” fruit with medium thick flesh. Plants 28-34”. Fresh Mkt, Drying, Processing.                                                                                                               |
| 3415 Flaming Flare F1 | 55 green, 65 red | ![Image] | Resistant Tobamovirus P 0 | Fresno chili type. Brilliant red triangular fruit, 4" x 1", broad at base, tapering to a pointed tip. 500-1000 Scovilles. Vigorous plant, 2 ft tall x 2 ft wide.                                             |
| 3419 & 3419U Garden Salsa F1 | 73-75 | ![Image] | Resistant PMMV, PVY 0-1 | 8.5 x 1” mildly pungent fruit, 2500-3500 Scovilles. 28” tall, holds fruit well above ground. Trials noted excellent yield potential. Fresh Mkt, Rings, Salsa.                                   |
| 3424U Giant Ristra F1 | 80   | ![Image] | Tolerant TMV            | Very large chili, 6-7” avg length, 4 oz avg weight. Size & long horn shape like Marconi, but very hot at 30,000 Scovilles. Bushy deep green plants, 24” tall x 16” wide. Can produce 15-18 fruit per plant. Fresh Mkt, Processing, Bedding, Mountain/Southwest. |
| 3508 Sahuaro F1   | 68   | ![Image]      | Resistant PMV           | Large chili, up to 9” long with thick walls. Mildly pungent at 500 Scovilles. Strong plants with dense canopy. Good fruit protection. Trials noted high yield potential. Fresh Mkt.                                                      |

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pepper (M=1000)</th>
<th>25 sd</th>
<th>100 sd</th>
<th>500 sd</th>
<th>1000 sd</th>
<th>5 M (per M)</th>
<th>10 M (per M)</th>
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<tr>
<td>3393U</td>
<td>Cayennetta</td>
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<td>36.55</td>
<td>143.75</td>
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<tr>
<td>3415</td>
<td>Flaming Flare</td>
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<td>51.65</td>
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<tr>
<td>3424U</td>
<td>Giant Ristra</td>
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<td>4.70</td>
<td>19.75</td>
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<tr>
<td>3508</td>
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<tr>
<td>3632</td>
<td>Trident</td>
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<td>60.75</td>
<td>59.30</td>
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<td>56.85</td>
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<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pepper (M=1000)</th>
<th>1/32 oz</th>
<th>1/2 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1/2 lb</th>
<th>1 lb</th>
</tr>
</thead>
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<tr>
<td>3342U</td>
<td>Anaheim Chili</td>
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<td>5.55</td>
<td>19.65</td>
<td>31.60</td>
<td>54.50</td>
</tr>
<tr>
<td>3392</td>
<td>Cayennetta Large Red</td>
<td>1.95</td>
<td>3.95</td>
<td>6.35</td>
<td>22.50</td>
<td>39.90</td>
<td>73.15</td>
</tr>
<tr>
<td>3487U</td>
<td>Mulato Islano</td>
<td>1.60</td>
<td>4.50</td>
<td>7.30</td>
<td>25.85</td>
<td>45.80</td>
<td>84.00</td>
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<td>3506U</td>
<td>Poblano</td>
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<td>5.65</td>
<td>9.15</td>
<td>32.30</td>
<td>57.25</td>
<td>105.00</td>
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### More Hot Peppers

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Habanero</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3398 Chicken Itza F1</td>
<td>115-120</td>
<td>Classic crinkled fruit 2.5” x 1.25”, firm walled and medium large. Hybrid habanero with more robust plant than OP. 15,000-18,000 Scoville units.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3427U Habanero</td>
<td>90</td>
<td></td>
<td>Resistant Tobamovirus</td>
<td>Wrinkled, thin walled 1” x 2” fruit, tapering to a point. Extremely pungent at up to 200,000 Scoville units. Fresh Mkt, Processing.</td>
</tr>
<tr>
<td>3512 Roulette F1</td>
<td>85</td>
<td></td>
<td>Resistant BLS 0-3,7,8, Tolerant TSWV</td>
<td>HEATLESS Habanero. All the flavor with no heat. Tests nationwide noted no off-types. Handsome erect 3.5 ft plant bears 100 or more 1 oz (3” x 1.5”) fruit over long harvest season.</td>
</tr>
</tbody>
</table>

| **Hot Banana** |      |                |                                |                                                                             |
| 3436 Hot Sunset X3R® F1 | 55   | Extra large fruit at 7.5” x 1.5”. Thick walled with avg weight 1.6 oz. 600-800 Scovilles. Vigorous 2 ft x 2 ft plants can yield an avg of 15-20 fruit. Great Lakes, Heartland, Southeast. |

| **Jalapeño**   |      |                |                                |                                                                             |
| 3409 Emerald Fire X3R® F1 | 55 green, 65 red | Mega 1 oz jalapeño, 4” x 1.5”, with thick walls and bullet shape. Very little checking. Good heat even at green stage. 1300-2000 Scovilles. Vigorous 2 ft x 2 ft plants. |
| 3412 Felicity F1 |      |                | Heatless Jalapeno. Lots of flavor, no heat. Continuous fruit set for potentially high yields of thick walled large fruits. 18-24” plant is semi upright & medium strong. |
| 3450U Jalafuego F1 | 70   | Resistant BLS 1-3, PMV, PVY 1-2 | High percentage of long jumbos. Gives good length even under stress. Large, smooth, thick-walled fruit avg 3” x 1”. Quite hot (4000-6000 Scovilles). Vigorous plant with broad disease pkg enhances potential for high yield. Fresh Mkt, Shipping, Poppers. |
| 3462U Jalapeño M | 72   |                | Bright red fruits 3.5” x 1.5” with thick, pungent flesh. Upright plants 26”-36”. Fresh Mkt, Processing. |
| 3496U Paquime F1 | 50-70 | Resistant PMV 0, Tolerant N | Very large thick-walled. Fruit 4.75” L x 1.5” W at shoulder. Vigorous 24” plants set fruit high in plant, provide strong sun cover. Fresh mkt, Shipping, Poppers. |

**Pepper Disease Codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Disease</th>
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</thead>
<tbody>
<tr>
<td>BLS</td>
<td>Bacterial Leaf Spot &amp; race #’s</td>
</tr>
<tr>
<td>N</td>
<td>Nematode</td>
</tr>
<tr>
<td>Pc</td>
<td>Phytophthora Blight</td>
</tr>
<tr>
<td>PMV</td>
<td>Pepper Mottle Virus</td>
</tr>
<tr>
<td>PMMV</td>
<td>Pepper Mild Mottle Virus</td>
</tr>
<tr>
<td>PYY</td>
<td>Potato Virus Y &amp; race #’s</td>
</tr>
<tr>
<td>Stp</td>
<td>Strip</td>
</tr>
<tr>
<td>TEV</td>
<td>Tobacco Etch Virus</td>
</tr>
<tr>
<td>TMV</td>
<td>Tobacco Mosaic Virus &amp; pathogen types</td>
</tr>
<tr>
<td>ToMV</td>
<td>Tomato Mosaic Virus</td>
</tr>
<tr>
<td>TSWV</td>
<td>Tomato Spotted Wilt Virus</td>
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**Pepper Variety Breakdown**

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<thead>
<tr>
<th>Cat#</th>
<th>Pepper</th>
<th>1/32 oz</th>
<th>1/2 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1/2 lb</th>
<th>1 lb</th>
</tr>
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<tbody>
<tr>
<td>3427U</td>
<td>Habanero</td>
<td>5.00</td>
<td>22.45</td>
<td>36.20</td>
<td>115.85</td>
<td>152.90</td>
<td>278.00</td>
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<tr>
<td>3462U</td>
<td>Jalapeño M</td>
<td>2.30</td>
<td>4.50</td>
<td>7.00</td>
<td>25.20</td>
<td>44.70</td>
<td>81.70</td>
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</table>
### More Jalapeño

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3534 Spicy Slice F1</td>
<td>75-80 green, 85-90 red</td>
<td>Resistant BLS 1-3, 7-8, Tolerant TEV</td>
<td>Extra long pepper, 4.5&quot; x .8&quot;, Excellent slicer with high L/D ratio, blunt cylindrical shape and firm texture. Stays smooth and clean well into maturity. Slow to check. Medium pungency, good flavor. Widely adapted. Vigorous prolific plants provide good cover.</td>
<td></td>
</tr>
</tbody>
</table>

**3622U Tam Jalapeño #1**
- **85**
- For those who enjoy the flavor of jalapeños with less heat. Fruit is 3" x 1" and plant is 24" tall. Perfect for pickling or salsa.

### Oriental Chili

**3625U Thai Hot Culinary**
- **65-90**
- Pointy red-hot 2-3" peppers in upright clusters. Great for cooking. Branching plant is 16". Sold as plants, bunches or dried fruit. Fresh Mkt, Bunches, Bedding.

### Serrano

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3404 Cocula F1</td>
<td>75 green, 80 red</td>
<td>Resistant PVY 0, Tolerant Pc</td>
<td>Concentrated set of cylindrical fruit, slightly tapered at tip. Medium thick walls. Mildly pungent at 800-1000 Scovilles. Fresh Mkt, Processing.</td>
<td></td>
</tr>
<tr>
<td>3416 Flaming Jade X3R® F1</td>
<td>75</td>
<td>Resistant BLS 1-3, 7-8, N, Tobamovirus</td>
<td>Very hot cylindrical 4&quot; x 1&quot; fruit average 0.75 oz. Vigorous plants 2 ft tall x 2 ft wide. High yield noted in nationwide AAS trials. Avg 60-65 fruit per plant. Fresh Mkt, Specialty, Garden Ctr, Processing, Heartland/Great Lakes.</td>
<td></td>
</tr>
<tr>
<td>3495 Pathfinder F1</td>
<td>60-75</td>
<td>Resistant BLS 0-3,7,8</td>
<td>Abundant, shiny deep green serranos, 4.5&quot; to 5&quot; long x 0.25&quot; diam, borne on strong, compact 18-24&quot; plants. Well adapted to both hot and cool weather. Capable of big crops in less space. Dense foliage canopy offers excellent protection against sun scald and helps the fruit stay smooth and shiny green over long season. Fresh mkt, shipping, processing.</td>
<td></td>
</tr>
</tbody>
</table>

### Cat# Specifications

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pepper</th>
<th>1/32 oz</th>
<th>1/2 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1/2 lb</th>
<th>1 lb</th>
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<tbody>
<tr>
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<td>1.85</td>
<td>3.40</td>
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<td>19.40</td>
<td>34.45</td>
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### Specialty Hot Peppers

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<tr>
<th>Variety</th>
<th>Days</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3380U Buffy F1</td>
<td>70</td>
<td></td>
<td></td>
<td>Capsicum frutescens. Deep green to red. Beautiful, fiery pepper with delicious aromatic undertones scored high in nationwide trials. Fruit are hot with great flavor, very thick walls. Robust plants 18-25&quot; tall x 25&quot; wide bore 250-280 fruit per plant over the season. Plant is compact, sturdy, provides good cover and tolerates hot and humid weather. Fruit are 1.5&quot; long and 0.6&quot; across. Fresh mkt, shipping, processing.</td>
</tr>
<tr>
<td>3371U Cajun Belle</td>
<td>61</td>
<td></td>
<td></td>
<td>Sweet bell shape, 3&quot; x 2&quot; with 3-4 lobes. Great flavor combo of sweet and heat loaded with Vitamin C. Compact plants are 2 ft tall x 2 ft wide. Scoville rating 200-300. Good in patio container. No disease problems noted during AAS trials.</td>
</tr>
<tr>
<td>3401U Cowhorn</td>
<td>75</td>
<td></td>
<td></td>
<td>Distinctive curved pods 6-10&quot; long, resemble cows' horns. Vigorous dark green 3 ft plants bear pendant fruit in abundance. Fresh Mkt, Sauces.</td>
</tr>
<tr>
<td>3420 Ghost (Naga Jolokia)</td>
<td>100-120</td>
<td></td>
<td></td>
<td>Capsicum frutescens. Said to be the world's hottest pepper. Originates in Assam region of India, where the sources were kept secret for many years. 2&quot; teardrop fruits start lime green and ripen to scarlet orange. Grow in warm conditions for maximum pungency. It would be a good idea to wear disposable gloves when handling seed or fruits, and to avoid contact with eyes, as for any hot pepper. Note: Also sold as Bhut Jolokia.</td>
</tr>
<tr>
<td>3434 Holy Mole F1</td>
<td>85 green, 99 chocolate</td>
<td>Resistant TMV</td>
<td></td>
<td>Pasilla type. Tapered fruits 7-9&quot; x 1.5&quot; mature from green to dark chocolate. Plant grows up to 3 ft tall x 30&quot; wide. Distinct flavor, only mid-hot at 700 Scovilles but very full of other sweet and meaty aromas. Pasilla is preferred typed for Mole recipes. Fresh Mkt, Dried, Sauces.</td>
</tr>
<tr>
<td>3437 Hungarian Yellow Wax Hot</td>
<td>65</td>
<td></td>
<td></td>
<td>6&quot; long x 2&quot; wide fruits are tapered with very thick, hot flesh. Fresh Mkt, Processing.</td>
</tr>
<tr>
<td>3474 Mad Hatter F1</td>
<td>68 green, 88 red</td>
<td></td>
<td>Resistant Tobamovirus</td>
<td>Exotic shape, edible and ornamental. Trials reported excellent vigor, earliness, high yields, large 2&quot; x 3&quot; size and lovely sweet, citrusy taste with tinge of heat near seeds. Showy &amp; novel three-sided shape. Robust plants 24&quot; container, 36&quot; garden. Ethnic cuisine.</td>
</tr>
<tr>
<td>3477 Mariachi F1</td>
<td>66</td>
<td></td>
<td></td>
<td>Caloró chili type. Conical 4&quot; x 2&quot; bluntly tapered fruit. Abundant set over long season. 500-600 Scovilles. Plants 18-24&quot;. Fresh Mkt, Mkt, Shipping, Roadside.</td>
</tr>
<tr>
<td>3507U Red Cherry Large Hot</td>
<td>77</td>
<td></td>
<td></td>
<td>Hot cherry type. 1.5-2&quot; fruits. Strong upright plants to 20&quot;. Fresh Mkt, Pickling, Processing.</td>
</tr>
<tr>
<td>3617U Tabasco</td>
<td>80</td>
<td></td>
<td></td>
<td>OP: Capsicum frutescens. Very hot, light yellow, green to red. Tall plant, fruit grows almost erect from the branches. Special type of famous sauce, strong pungency laid over classy flavor.</td>
</tr>
<tr>
<td>3638 Witch Stick</td>
<td></td>
<td></td>
<td></td>
<td>Extremely early. Unique tricolor pepper, bands of green, gold, and red all on the same pencil-thin 6&quot; twisted-spiral fruit. Medium mildly hot.</td>
</tr>
</tbody>
</table>

**Ghost (Naga Jolokia)**

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pepper (M=1000)</th>
<th>25 sd</th>
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<th>500 sd</th>
<th>1000 sd</th>
<th>5 M (per M)</th>
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<td>Buffy</td>
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<td>42.20</td>
<td>39.90</td>
<td>38.00</td>
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<tr>
<td>3371U</td>
<td>Cajun Belle</td>
<td>4.00</td>
<td>12.25</td>
<td>49.30</td>
<td>83.65</td>
<td>74.15</td>
<td>68.00</td>
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<td>3.25</td>
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<td>Holy Mole</td>
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<tr>
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<td>72.80</td>
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<td>67.20</td>
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<td>Witch Stick</td>
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<td>60.00</td>
<td>53.00</td>
<td>48.50</td>
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### PUMPKINS

(See Cucurbits) About 100-200 sd/oz. large seeded; approx. 200-300 sd/oz. small seeded. Hybrid packets contain 15 seeds; OP packets produce 10 hills; 1/2 oz sows 100' of row. Sow 1 lb/acre. Sow 1" deep, about 3 ft. apart in rows 7.5 ft. apart. Germ in about 7 days. Days to maturity are from sowing. For Pumpkins designed to reach 30 lbs or more: to maximize fruit weight, provide wider spacing. Up to 75 sq. ft. per plant for show size pumpkins.

### GIANTS - Display or Competition

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>Days</th>
<th>Weight</th>
<th>Shape</th>
<th>Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3735U</td>
<td>Big Max</td>
<td>120</td>
<td>100</td>
<td>Round</td>
<td>Pink Orange</td>
<td></td>
<td>OP. Prize winning up to 100 lb. fruit. Distinctive pinkish-orange rind. Bright yellow-orange flesh. Good cooking quality. Fresh Mkt, Harvest Fairs, U-Pick.</td>
</tr>
<tr>
<td>3766U</td>
<td>Dill’s Atlantic Giant</td>
<td>120</td>
<td>100-600</td>
<td>Round</td>
<td>Classic Orange</td>
<td></td>
<td>OP. Capable of producing giant show pumpkins in the range of 100-600 lbs. Slightly rough, nicely ribbed rind. Large vine.</td>
</tr>
</tbody>
</table>

### LARGE - Jack-O’-Lanterns

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
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<th>Weight</th>
<th>Shape</th>
<th>Color</th>
<th>Disease</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>3751</td>
<td>Captain Jack F1</td>
<td>100-110</td>
<td>30+</td>
<td>Howden</td>
<td>Deep Orange</td>
<td>PM</td>
<td>Thick flesh &amp; flat bottom enable fruit to stand on its own &amp; not collapse under its own weight. Medium deep ribbing. Thick embedded handle. Vigorous vines support several fruits.</td>
</tr>
<tr>
<td>3763</td>
<td>Early Giant F1</td>
<td>95</td>
<td>25-30</td>
<td>Howden</td>
<td>Deep Orange</td>
<td>PM</td>
<td>Early, mostly tall face shaped fruit. Imposing brow and wide flat base make it a premium carving variety. Deeply ribbed. Earliness means more chances to make the sowing window for Halloween mkt. Full, strong vine supports growth of sizeable fruit.</td>
</tr>
<tr>
<td>3767</td>
<td>Early King F1</td>
<td>90</td>
<td>25-30</td>
<td>Tall</td>
<td>Round</td>
<td>Deep Orange</td>
<td>PM</td>
</tr>
<tr>
<td>3794</td>
<td>Howden Biggie PVP</td>
<td>115</td>
<td>40</td>
<td>Howden</td>
<td>Deep Orange</td>
<td></td>
<td>OP. Capable of extra large classic shaped fruit. Raised from elite stock seed Durable scratch resistant skin. Firm thick flesh. Sturdy handles.</td>
</tr>
<tr>
<td>3813</td>
<td>Large Marge F1</td>
<td>105</td>
<td>30-40</td>
<td>Round</td>
<td>Deep Orange</td>
<td></td>
<td>Very large round pumpkin. Capable of multiple fruit set per plant while maintaining large size. Avg size is 30-40 lb and 13&quot; x 13&quot; diam. Exterior is deep orange, ribbed and wrinkled. Very strong &amp; large dark green embedded handle, about 5&quot; long, supports fruit size well. Vigorous indeterminate vines. Not available until June 2022.</td>
</tr>
<tr>
<td>3837</td>
<td>New Moon F1</td>
<td>80-90</td>
<td>25-35</td>
<td>Round</td>
<td>White</td>
<td></td>
<td>White flesh &amp; rind is a breakthrough in appearance in the novelty pumpkin. Uniform 16&quot; diameter. Firm flesh holds for weeks but fades to ivory over time.</td>
</tr>
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### Pumpkin Disease Codes

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>25 sd</th>
<th>100 sd</th>
<th>500 sd</th>
<th>1000 sd</th>
<th>5 M (per M)</th>
<th>10 M (per M)</th>
<th>25 M (per M)</th>
<th>50 M (per M)</th>
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<tbody>
<tr>
<td>3738</td>
<td>Big Max</td>
<td>15.35</td>
<td>47.15</td>
<td>197.35</td>
<td>343.35</td>
<td>309.85</td>
<td>288.70</td>
<td>273.15</td>
<td>259.70</td>
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<tr>
<td>3751</td>
<td>Captain Jack F1</td>
<td>5.80</td>
<td>15.75</td>
<td>61.85</td>
<td>98.15</td>
<td>95.95</td>
<td>92.50</td>
<td>89.00</td>
<td>86.45</td>
</tr>
<tr>
<td>3763</td>
<td>Early Giant</td>
<td>5.50</td>
<td>14.95</td>
<td>58.75</td>
<td>93.30</td>
<td>86.50</td>
<td>80.20</td>
<td>73.95</td>
<td>69.55</td>
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<tr>
<td>3767</td>
<td>Early King</td>
<td>10.15</td>
<td>31.45</td>
<td>132.75</td>
<td>228.15</td>
<td>185.60</td>
<td>178.80</td>
<td>173.75</td>
<td>165.20</td>
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<tr>
<td>3794</td>
<td>Howden Biggie PVP</td>
<td>10.15</td>
<td>31.45</td>
<td>132.75</td>
<td>228.15</td>
<td>185.60</td>
<td>178.80</td>
<td>173.75</td>
<td>165.20</td>
</tr>
<tr>
<td>3813</td>
<td>Large Marge</td>
<td>5.85</td>
<td>15.75</td>
<td>61.85</td>
<td>98.15</td>
<td>95.95</td>
<td>92.50</td>
<td>89.00</td>
<td>86.45</td>
</tr>
<tr>
<td>3837</td>
<td>New Moon F1</td>
<td>14.85</td>
<td>38.70</td>
<td>152.00</td>
<td>226.80</td>
<td>215.35</td>
<td>203.95</td>
<td>192.50</td>
<td>184.45</td>
</tr>
</tbody>
</table>

**Pumpkin Disease Codes**

- **CMV** Cucumber Mosaic Virus
- **SRR** Southern Root Rot
- **BR** Black Rot
- **WMV** Watermelon Mosaic Virus
- **PM** Powdery Mildew

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l) 55
<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>1/4 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1 lb</th>
<th>5 lb</th>
<th>10 lb</th>
<th>25 lb</th>
<th>50 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>3749</td>
<td>Camaro PMR F1</td>
<td>5.90</td>
<td>15.25</td>
<td>60.00</td>
<td>74.25</td>
<td>71.45</td>
<td>68.15</td>
<td>64.85</td>
<td>62.45</td>
</tr>
<tr>
<td>3770</td>
<td>Early Prince F1</td>
<td>5.60</td>
<td>15.20</td>
<td>59.85</td>
<td>94.95</td>
<td>88.05</td>
<td>81.65</td>
<td>75.30</td>
<td>70.80</td>
</tr>
<tr>
<td>3798</td>
<td>Hulk</td>
<td>6.05</td>
<td>15.75</td>
<td>61.95</td>
<td>98.30</td>
<td>96.10</td>
<td>92.65</td>
<td>89.15</td>
<td>86.60</td>
</tr>
<tr>
<td>3811</td>
<td>Jason</td>
<td>5.20</td>
<td>15.90</td>
<td>62.35</td>
<td>95.60</td>
<td>88.60</td>
<td>82.20</td>
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<td>71.30</td>
</tr>
<tr>
<td>3832</td>
<td>Mr. Wrinkles F1</td>
<td>4.85</td>
<td>13.05</td>
<td>31.55</td>
<td>51.55</td>
<td>79.75</td>
<td>76.85</td>
<td>73.95</td>
<td>71.80</td>
</tr>
<tr>
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<td>Mustang PMR F1</td>
<td>4.90</td>
<td>15.25</td>
<td>60.00</td>
<td>74.25</td>
<td>71.45</td>
<td>68.15</td>
<td>64.85</td>
<td>62.45</td>
</tr>
<tr>
<td>3899</td>
<td>Ugly Mugly F1</td>
<td>6.10</td>
<td>10.65</td>
<td>41.80</td>
<td>66.40</td>
<td>61.55</td>
<td>57.05</td>
<td>52.60</td>
<td>49.50</td>
</tr>
</tbody>
</table>

**Description**
- **3749 Camaro PMR F1**: 110 days, 20-23 lbs. Round, classic orange, resistant to PM. Trials from CO, IN, CA & NY report higher level of PM resistance than found in previous genetics. Fruit have long, firmly attached handles, thick flesh, slight to medium ribbing, and classic orange rind. Restricted vines show high yield potential of tonnage per acre.
- **3755U Connecticut Field**: 115 days, 15-20 lbs. Round, classic orange, OP. Selected strain produces large, orange fruits with attractive appearance.
- **3770 Early Prince F1**: 90 days, 15 lbs. Deep orange, OP. Classic Halloween pumpkin shape, deeply ribbed orange globes with tall, imposing brow, broad stable base and substantial green carrying handle. Good keeper. Fresh Mkt, Roadside, Halloween, Shipping.
- **3795U Howden**: 115 days, 20-25 lbs. Howden, deep orange, resistant to BR. Extra large 30 lb or Howden shaped fruit, 16-18” tall x 12-14” wide. Deep burnt orange color with pronounced ribs and husky, 5” deep green embedded handle. Vigorous vines with broad leaves set multiple fruits per plant and tend to grow them all to reach large size. Good potential for high yield of extra-large fruit. Jack-O’-Lantern.
- **3798 Hulk F1**: 100 days, 30 lbs. Howden, deep orange, Tolerant. Premium quality Jack-O’-Lantern. Slightly elongated, Howden style face shape. 20-24 lb average weight. Vine is medium sized and quite healthy. Dark orange rind, orange flesh. Superb long strongly attached handle. Potential for high yield, 1-2 fruits per plant, sometimes 3 under favorable conditions. This fits the slot of the old ProGold 510.
- **3811 Jason F1**: 100 days, 20-24 lbs. Howden, deep orange, tolerant. Large barrel shaped fruit. Extremely deep orange, deeply wrinkled and ribbed. Rugged 5” deep green embedded handle. Thick flesh, very strong vine, exceptional yield potential.
- **3832 Mr. Wrinkles F1**: 110 days, 20-30 lbs. Tall, round, deep orange, resistant to PM. Rich orange rind with thick flesh. Sutures are distinct, but smooth and refined. Long dark green sturdy handles for easy pickup. Very uniform. Superior disease rating and healthy reduced vine plant type give excellent chance for high yield.
- **3834 Mustang PMR F1**: 100 days, 22 lbs. Round, classic orange, resistant to PM. Great white pumpkin. Can weigh up to 50 lbs with rich culture. Vine spreads 4-5’. Trials noted average 2-4 fruit per plant. Strong disease package results in hardy vine and high yield potential. Pale yellow flesh good for eating. AAS Regional, Great Lakes & SE. Decorating, Jack-O’-Lantern, Culinary.
- **3896 Super Moon F1**: 90 days, 25-30 lbs. Tall, round, white, tolerant SRR. Great white pumpkin. Can weigh up to 50 lbs with rich culture. Vine spreads 4-5’. Trials noted average 2-4 fruit per plant. Strong disease package results in hardy vine and high yield potential. Pale yellow flesh good for eating. AAS Regional, Great Lakes & SE. Decorating, Jack-O’-Lantern, Culinary.
- **3899 Ugly Mugly F1**: 100 days, 15-20 lbs. Flat, round, light orange, susceptible to PM. So ugly you have to love it. Skin is dimpled, light orange, flecked with pale splotches. Ribs are wide spaced & deeply creased. Large vigorous, trailing vines capable of high yield and high % of large heavy fruit. Globe shape with slightly flattened ends sits well. Very long light green handle with white stripes.
LARGE - Jack-O'-Lanterns

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>Days</th>
<th>Weight</th>
<th>Shape</th>
<th>Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3758 Corvette PMR F1</td>
<td></td>
<td>110</td>
<td>11-14</td>
<td>Round</td>
<td>Classic Orange</td>
<td>Resistant</td>
<td>Slightly ribbed with very strong handle attachment. Semi-bush habit and strong disease package improve chances for plenty of pumpkins.</td>
</tr>
<tr>
<td>3759 Cougar PMR PVP F1</td>
<td></td>
<td>80</td>
<td>10-12</td>
<td>Round</td>
<td>Classic Orange</td>
<td>Resistant</td>
<td>Earliest of the PMR series. Nice ribbing and strong, dark green handles. Vigorous large vines. Earliness allows for later sowing toward the Halloween mkt window and/or better insurance against bad weather at the end of season.</td>
</tr>
<tr>
<td>3764U Dark Knight F1</td>
<td></td>
<td>70-100</td>
<td>8-10</td>
<td>Round</td>
<td>Black to Orange</td>
<td></td>
<td>Wonderful new novelty Jack-O’-Lantern. Rind develops deep ebony green, near black. Interior flesh is bright orange and provides striking contrast whether hollowed and carved or surface-carved. Color gradually speckles and eventually turns all orange. Can be sold at dark, speckled, orange stages. Handle stays black. Excellent storage capabilities, very tough rind. Semi-bush habit. Resistance in test.</td>
</tr>
<tr>
<td>3815 Lumina</td>
<td></td>
<td>110</td>
<td>10-15</td>
<td>Variable</td>
<td>White</td>
<td></td>
<td>OP. Size &amp; shape vary from globe to flat globe. Harvest slightly immature for better white color. Flesh is bright orange. Ideal for painting, carving, decorating. Stress will cause blue tinge to the skin. Fresh Mkt.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>1/4 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1/2 lb</th>
<th>1 lb</th>
<th>5 lb (per lb)</th>
<th>10 lb (per lb)</th>
<th>25 lb (per lb)</th>
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<tr>
<td>3750U Casper</td>
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<td>3.15</td>
<td>9.25</td>
<td>32.20</td>
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<td>60.00</td>
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<td>64.85</td>
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<tr>
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<td>83.60</td>
<td>73.35</td>
<td>--</td>
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</tbody>
</table>
### LARGE - Jack-O'-Lanterns

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>Days</th>
<th>Weight</th>
<th>Shape</th>
<th>Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3720</td>
<td>Autumn Gold F1</td>
<td>90</td>
<td>7-10</td>
<td>Round</td>
<td>Classic Orange</td>
<td>Medium Resistant</td>
<td>Handsome fruits show attractive orange rind color when small. Vigorous vines bear 3-5 fruits each, averaging 7-10 lbs. Firm, meaty flesh for carving, cooking. Fresh Mint, U-Pick.</td>
</tr>
<tr>
<td>3761</td>
<td>Darling F1</td>
<td>90</td>
<td>6-8</td>
<td>Tall</td>
<td>Round</td>
<td>Deep Orange</td>
<td>Medium Resistant</td>
</tr>
<tr>
<td>3762</td>
<td>Early Abundance F1</td>
<td>90</td>
<td>4-6</td>
<td>Round</td>
<td>Deep Orange</td>
<td>Medium Resistant</td>
<td>Small, early pumpkin with uniform size &amp; color. nice handle in proportion to fruit size. Large, vigorous vine. Jack-O'-Lantern, Cornucopia, Pie.</td>
</tr>
<tr>
<td>3788 &amp; 3788U</td>
<td>Hijinks F1</td>
<td>100</td>
<td>7-9</td>
<td>Round</td>
<td>Classic Orange</td>
<td>Tolerant</td>
<td>Consistent, square shouldered shape great for carving. Medium ribbing. Dark green durable handles are good for carrying. Vigorous vines up to 15'.</td>
</tr>
<tr>
<td>3835</td>
<td>Neon F1</td>
<td>65</td>
<td>7-8</td>
<td>Round</td>
<td>Classic Orange</td>
<td>Tolerant</td>
<td>Earliest Jack-O'-Lantern. Handle is emerald black. Semi-bush plant, can achieve high density and average two grade A’s per plant. Fruit maturity can occur well before disease damage, tending to avoid BLS, fruit rot or weak stem.</td>
</tr>
</tbody>
</table>

### CINDERellas

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>Days</th>
<th>Weight</th>
<th>Shape</th>
<th>Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3754</td>
<td>Cinderella's Carriage F1</td>
<td>100</td>
<td>23-33</td>
<td>Flat</td>
<td>Round</td>
<td>Red Orange</td>
<td>Tolerant</td>
</tr>
<tr>
<td>3780U</td>
<td>Halloween in Paris</td>
<td>110</td>
<td>15-20</td>
<td>Flat</td>
<td>Round</td>
<td>Yellow</td>
<td>Tolerant</td>
</tr>
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</table>

### Pumpkin Seed Prices

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>1/4 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1/2 lb</th>
<th>1 lb</th>
<th>5 lb (per lb)</th>
<th>10 lb (per lb)</th>
<th>25 lb (per lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3720</td>
<td>Autumn Gold</td>
<td>6.00</td>
<td>14.65</td>
<td>48.00</td>
<td>65.70</td>
<td>105.25</td>
<td>98.30</td>
<td>91.90</td>
<td>86.60</td>
</tr>
<tr>
<td>3754</td>
<td>Cinderella's Carriage</td>
<td>6.25</td>
<td>15.20</td>
<td>49.75</td>
<td>79.00</td>
<td>87.50</td>
<td>81.70</td>
<td>76.40</td>
<td>72.00</td>
</tr>
<tr>
<td>3780U</td>
<td>Halloween in Paris</td>
<td>3.65</td>
<td>10.70</td>
<td>37.45</td>
<td>65.15</td>
<td>117.60</td>
<td>109.20</td>
<td>103.60</td>
<td>98.00</td>
</tr>
<tr>
<td>3880U</td>
<td>Rouge Vif d'Etampes</td>
<td>2.00</td>
<td>5.80</td>
<td>20.75</td>
<td>35.85</td>
<td>65.00</td>
<td>48.50</td>
<td>41.65</td>
<td>38.35</td>
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</table>

### M&L Price

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>25 sd</th>
<th>100 sd</th>
<th>500 sd</th>
<th>1000 sd</th>
<th>5 M (per M)</th>
<th>10 M (per M)</th>
<th>25 M (per M)</th>
<th>50 M (per M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3761</td>
<td>Darling F1</td>
<td>5.80</td>
<td>16.20</td>
<td>63.75</td>
<td>101.15</td>
<td>93.80</td>
<td>87.00</td>
<td>80.20</td>
<td>75.45</td>
</tr>
<tr>
<td>3762</td>
<td>Early Abundance F1</td>
<td>5.50</td>
<td>15.00</td>
<td>59.05</td>
<td>93.70</td>
<td>86.90</td>
<td>80.60</td>
<td>74.25</td>
<td>69.90</td>
</tr>
<tr>
<td>3788 &amp; 3788U</td>
<td>Hijinks F1</td>
<td>5.35</td>
<td>14.10</td>
<td>55.50</td>
<td>88.10</td>
<td>86.10</td>
<td>83.00</td>
<td>79.85</td>
<td>77.60</td>
</tr>
<tr>
<td>3835</td>
<td>Neon F1</td>
<td>4.00</td>
<td>10.50</td>
<td>41.25</td>
<td>58.15</td>
<td>55.95</td>
<td>53.35</td>
<td>50.80</td>
<td>48.90</td>
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</tbody>
</table>

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Email: twilley@twilleyseed.com  Fax: 864-227-5108
### Pumpkin Disease Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMV</td>
<td>Cucumber Mosaic Virus</td>
<td></td>
</tr>
<tr>
<td>SRR</td>
<td>Southern Root Rot</td>
<td></td>
</tr>
<tr>
<td>BR</td>
<td>Black Rot</td>
<td></td>
</tr>
<tr>
<td>WMV</td>
<td>Watermelon Mosaic Virus</td>
<td></td>
</tr>
<tr>
<td>PM</td>
<td>Powdery Mildew</td>
<td></td>
</tr>
</tbody>
</table>

### DECORATIVE & CORNUCOPIA

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>Days</th>
<th>Weight</th>
<th>Shape</th>
<th>Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3725</td>
<td>Baby Bear PVP</td>
<td>105</td>
<td>1.5-2</td>
<td>Round</td>
<td>Classic</td>
<td>Orange</td>
<td>Irresistible baby pumpkins, sized for children’s hands. Shallow ribs. Vining plants produce 8-10 fruits. Good for pack sales. Fresh Mkt, Carving, Painting, Pie.</td>
</tr>
<tr>
<td>3778</td>
<td>Goosebumps F1</td>
<td>95</td>
<td>8-12</td>
<td>Round, Warted</td>
<td>Classic</td>
<td>Orange</td>
<td>Eerie appearance, heavily encrusted with warts. Attracts a lot of attention. Hard, durable warts resist damage in handling. Warts start green and mature to orange or tan. In some conditions, warts may stay green longer than the rest of the pumpkin. 1-3 fruit per plant, sometimes 4 under favorable conditions.</td>
</tr>
<tr>
<td><strong>3779U</strong></td>
<td>Grey Ghost F1</td>
<td>95-100</td>
<td>11-17</td>
<td>Round</td>
<td>Grey</td>
<td>Tolerant</td>
<td>Grey rind &amp; deep orange flesh. Early maturity. Very good flavor. Fruit shape slightly flattened &amp; smoothly ribbed. Outstanding storage potential. Dual use: hullless seed for roasting and decorative golden, green streaked rind for cornucopia. Edible flesh is pale yellow. Trials reported yield average of 5-6 fruits per plant on vines spreading 4-5 ft. Edible Seed, Cornucopia, Decoration.</td>
</tr>
<tr>
<td>3850</td>
<td>Pepitas F1</td>
<td>90</td>
<td>9-12</td>
<td>Round</td>
<td>Golden w Green Streaks</td>
<td>Tolerant SRR</td>
<td>OP. Totally warty, squatty fruit. Very cool novelty pumpkin. Vigorous full vine. May contain 3% longer off-types.</td>
</tr>
<tr>
<td>3892</td>
<td>Sanchez</td>
<td>95</td>
<td>4-6</td>
<td>Flat Round, Warted</td>
<td>Classic</td>
<td>Orange</td>
<td>OP. Totally warty, squatty fruit. Very cool novelty pumpkin. Vigorous full vine. May contain 3% longer off-types.</td>
</tr>
<tr>
<td>3893</td>
<td>Snowball F1</td>
<td>85-90</td>
<td>2-4</td>
<td>Round</td>
<td>White</td>
<td></td>
<td>Smooth pure white fruit with contrasting deep green handles. Vigorous vines with potential for 10 or more fruits under favorable conditions.</td>
</tr>
<tr>
<td>3894</td>
<td>Sunlight F1</td>
<td>90</td>
<td>8-10</td>
<td>Round</td>
<td>Yellow</td>
<td>Tolerant</td>
<td>Matures to intense bright yellow. Children have been seen making a beeline to this pumpkin, attracted by the cheerful color. Deep green handle. Semi-bush habit. Fresh Mkt, Cornucopia, Roadside, Shipping, Home Garden.</td>
</tr>
</tbody>
</table>

### Pumpkin Prices (per lb)

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>1/4 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1 lb</th>
<th>5 lb (per lb)</th>
<th>10 lb (per lb)</th>
<th>25 lb (per lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3850</td>
<td>Pepitas</td>
<td>7.85</td>
<td>7.00</td>
<td>62.50</td>
<td>61.45</td>
<td>98.45</td>
<td>91.90</td>
<td>85.95</td>
</tr>
<tr>
<td>3725</td>
<td>Baby Bear</td>
<td>1.75</td>
<td>2.00</td>
<td>46.00</td>
<td>49.50</td>
<td>98.45</td>
<td>91.90</td>
<td>85.95</td>
</tr>
<tr>
<td>3778</td>
<td>Goosebumps</td>
<td>3.65</td>
<td>5.50</td>
<td>60.00</td>
<td>60.50</td>
<td>98.45</td>
<td>91.90</td>
<td>85.95</td>
</tr>
<tr>
<td><strong>3779U</strong></td>
<td>Grey Ghost</td>
<td>4.40</td>
<td>6.60</td>
<td>80.00</td>
<td>80.50</td>
<td>98.45</td>
<td>91.90</td>
<td>85.95</td>
</tr>
<tr>
<td>3892</td>
<td>Sanchez</td>
<td>3.60</td>
<td>5.50</td>
<td>60.00</td>
<td>60.50</td>
<td>98.45</td>
<td>91.90</td>
<td>85.95</td>
</tr>
<tr>
<td>3893</td>
<td>Snowball</td>
<td>6.65</td>
<td>9.50</td>
<td>120.00</td>
<td>120.50</td>
<td>98.45</td>
<td>91.90</td>
<td>85.95</td>
</tr>
<tr>
<td>3894</td>
<td>Sunlight</td>
<td>6.65</td>
<td>9.50</td>
<td>120.00</td>
<td>120.50</td>
<td>98.45</td>
<td>91.90</td>
<td>85.95</td>
</tr>
</tbody>
</table>

### Pumpkin Disease Codes

- CMV: Cucumber Mosaic Virus
- SRR: Southern Root Rot
- BR: Black Rot
- WMV: Watermelon Mosaic Virus
- PM: Powdery Mildew

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l)
## DECORATIVE & CORNUCOPIA Days Weight Shape Color Disease Description

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>1/4 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1 lb</th>
<th>5 lb (per lb)</th>
<th>10 lb (per lb)</th>
<th>25 lb (per lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3727U</td>
<td>Batwing</td>
<td>3.60</td>
<td>12.00</td>
<td>42.50</td>
<td>74.00</td>
<td>132.00</td>
<td>124.00</td>
<td>115.00</td>
</tr>
<tr>
<td>3747</td>
<td>Bumpkin F1</td>
<td>8.80</td>
<td>21.40</td>
<td>111.35</td>
<td>142.15</td>
<td>132.65</td>
<td>124.00</td>
<td>116.95</td>
</tr>
<tr>
<td>3777U</td>
<td>Gooligan F1</td>
<td>8.00</td>
<td>19.50</td>
<td>63.85</td>
<td>101.35</td>
<td>142.15</td>
<td>132.65</td>
<td>116.95</td>
</tr>
<tr>
<td>3782</td>
<td>Harvest Prince</td>
<td>6.90</td>
<td>16.80</td>
<td>55.05</td>
<td>87.35</td>
<td>87.50</td>
<td>81.70</td>
<td>76.40</td>
</tr>
<tr>
<td>3797U</td>
<td>Hooligan F1</td>
<td>8.00</td>
<td>19.50</td>
<td>63.85</td>
<td>101.35</td>
<td>142.15</td>
<td>132.65</td>
<td>116.95</td>
</tr>
<tr>
<td>3800U</td>
<td>Jack Be Little</td>
<td>1.70</td>
<td>5.00</td>
<td>17.50</td>
<td>30.40</td>
<td>53.25</td>
<td>36.90</td>
<td>33.65</td>
</tr>
<tr>
<td>3897</td>
<td>Toad F1</td>
<td>4.40</td>
<td>13.40</td>
<td>45.75</td>
<td>78.00</td>
<td>133.00</td>
<td>102.00</td>
<td>88.00</td>
</tr>
<tr>
<td>3900U</td>
<td>Wee-B-Little</td>
<td>4.40</td>
<td>13.40</td>
<td>45.75</td>
<td>78.00</td>
<td>133.00</td>
<td>102.00</td>
<td>88.00</td>
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</table>

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>25 sd</th>
<th>100 sd</th>
<th>500 sd</th>
<th>1000 sd</th>
<th>5 M (per M)</th>
<th>10 M (per M)</th>
<th>25 M (per M)</th>
<th>50 M (per M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3753</td>
<td>Casperita</td>
<td>4.25</td>
<td>12.35</td>
<td>48.50</td>
<td>77.00</td>
<td>71.40</td>
<td>66.20</td>
<td>61.05</td>
<td>57.40</td>
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<tr>
<td>3897</td>
<td>Toad</td>
<td>7.25</td>
<td>18.75</td>
<td>73.65</td>
<td>113.25</td>
<td>110.75</td>
<td>106.70</td>
<td>102.70</td>
<td>99.75</td>
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</table>

**DECORATIVE & CORNUCOPIA**

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Pumpkin</th>
<th>Days</th>
<th>Weight</th>
<th>Shape</th>
<th>Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3727U</td>
<td>Batwing</td>
<td>90</td>
<td>1.5-2.5</td>
<td>Round</td>
<td>Black on Orange</td>
<td>Tolerant</td>
<td>OP. Unique pattern. Multicolored orange, black and bicolored. The black sectors recede with maturity, creating a scalloped black-on-orange pattern like bat wings on the moon. Turns solid orange at full maturity. For strongest color show, plant late &amp; harvest young.</td>
</tr>
<tr>
<td>3747</td>
<td>Bumpkin F1</td>
<td>85</td>
<td>4-8oz.</td>
<td>Flat Round</td>
<td>Classic Orange</td>
<td>Tolerant PM</td>
<td>Mini pumpkin with PM tolerance. Deeply ribbed. Cute &amp; very productive. Small seeded, about 300-400 per oz. Semi-bush habit. Corncopia, Decoration.</td>
</tr>
<tr>
<td>3753</td>
<td>Casperita F1</td>
<td>77</td>
<td>8oz.-1lb.</td>
<td>Round</td>
<td>White</td>
<td>Tolerant PM</td>
<td>Beautiful for cornucopia as mini white pumpkin. Deeply ribbed. Edible sweet golden flesh comparable to acorn squash. Semi bush habit. Mini-White, Face Painting, Corncopia, Table Squash, Fresh Produce, Shipping.</td>
</tr>
<tr>
<td>3782</td>
<td>Harvest Prince F1</td>
<td>85</td>
<td>1 lb.</td>
<td>Round</td>
<td>Deep Orange</td>
<td>Tolerant PM</td>
<td>Small round sugar pie pumpkin. Excellent for cooking, crafts or carving.</td>
</tr>
<tr>
<td>3797U</td>
<td>Hooligan F1</td>
<td>95</td>
<td>4oz.</td>
<td>Flat Round</td>
<td>Bicolored Orange</td>
<td>Tolerant PM</td>
<td>Unique bicolored orange and white mottled. Vigorous vine covers well against sunburn. Novely for fall ornamental mixture.</td>
</tr>
<tr>
<td>3800U</td>
<td>Jack Be Little</td>
<td>95</td>
<td>3-4oz.</td>
<td>Round</td>
<td>Classic Orange</td>
<td>Tolerant PM</td>
<td>OP. Popular mini pumpkin much in demand. Excellent keeper after curing. Prolific plants, 8-10 fruit per large vine. Fresh Mkt, Ornamental, U-Pick.</td>
</tr>
<tr>
<td>3897</td>
<td>Toad F1</td>
<td>85</td>
<td>1.5-2.5</td>
<td>Warted Round</td>
<td>Classic Orange</td>
<td>Tolerant PM</td>
<td>Aply named, hand-sized pumpkin covered in warts and bumps. Semi-hard shell. Embedded handle for easy carrying. Bush habit allows close spacing and works well in gardens. Warts may disappear in stressed growing condition. Fresh Mkt, Corncopia, Roadside, Shipping, Home Garden.</td>
</tr>
<tr>
<td>3900U</td>
<td>Wee-B-Little</td>
<td>85</td>
<td>8oz.</td>
<td>Flat Round</td>
<td>Deep Orange</td>
<td>Tolerant PM</td>
<td>OP. A true pumpkin but scaled down to miniature size. Matures from yellow to deep orange. Slightly ribbed. Small seeded. Fresh mkt, U-Pick.</td>
</tr>
</tbody>
</table>
Salad Types

3915 Altabelle 26 days. Bright red, medium large globe shaped roots. Very good color retention. Dark green, medium tall tops are highly tolerant to leaf diseases for fresh mkt pack. Resistant FY. Tolerant CR. Fresh Mkt, Cello Pack, Bunching.

3930 & 3930U Cherry Belle 26 Days. Well known variety produces small, bright cherry red roots for salad use. Short tops even in warm weather; fine for muck soil. Packing, Bunching, Forcing, Fresh Mkt.

3925 Cherriette F1 23 Days. Cherry Belle type. Bright cherry-red, crisp flesh, pith free, globe shaped. Bred for increased uniformity and marketable yields. When growing blended color radish, avoid thinning, as this will tend to remove some colors disproportionately.

3924U Crayon Colors Mix 25-28 Days. Vivid colored mix of yellow, pink, red and purple. Tops are 4-6” tall. Bright white interior flesh.

3937 Crunchy Delight F1 Large round scarlet red summer radish with clean, bright white interior. Roots and plants very uniform. Upright medium size plant. Roots maintain crispy texture well into large size range. Fresh Mkt., Bunching, Cello, Slicing.


3950 Hailstone 25 Days. Pure white skin and pure white flesh. Good holding ability, remaining crisp and firm a long time. Medium size tops are larger than most early globe types and dark green. Good for either spring/fall sowings. Bunching, Forcing, Fresh Mkt.

3962 New White Spring F1 60 Days. Korean daikon type. Vigorous upright tops with slow bolting characteristic. Suitable for spring and fall harvests. Heavy blunt pure white roots, 10-12”, up to 1.5 lb. Tolerant CR. Note: Needs 50°F soil temp. for good spring germ.

3961 Relish Cross F1 60 Days. Spring or fall sowing. Smooth white root with distinct green neck. Crisp texture and mild flavor. May be harvested at 3-4” size. Resists bolting and pithiness. Fresh Mkt. Shippin. Pickling, Fresh Mkt, Sipping, Pickling.

3965 Tae Baek F1 70 Days. Best suited to late summer planting. Short, blunt white roots tinged green weigh about 2 lbs each; very firm and uniform. Highly tolerant CMV, DM, and bacterial soft rot, Storos well, to 4-5 months. Kimchies, Fresh Mkt.

Radish Disease Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Disease</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMV</td>
<td>Cucumber Mosaic Virus</td>
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<tr>
<td>CR</td>
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<td>DM</td>
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<td>FW</td>
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<td>Fusarium Yellows</td>
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<tr>
<td>RZ</td>
<td>Rhizoctonia solani</td>
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To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
Spinach
(Spinacia oleracea)

Approx. 2,800 seeds/oz. Pak plants 25-30” of row; 1 oz sows 100’. Direct sow 10-15 lbs/acre. Sow seeds ½-1” deep, 2-6” apart in rows 12-36” apart. Germs in about 8 days. Days to maturity are from sowing.

3999U Bloomsdale 30-37 Days. Leaves are heavily savoyed, thick, dark glossy green, crumpled, and twisted. Fast growing with very good yields for OP Slow bolting, high yielding, resistant to heat and cold. Good for fall or spring markets. Fresh Mkt. Long Distance Shipping, Processing.


4006 Plymouth F1 40-45 days. Uniformly upright, full leaf foliage is spade-shaped, thick and slightly savoyed, medium dark green with erect stems. Quick growing with extra broad disease package to promote high yield potential. Resistant DM 1-11, 13, 15, 16. Fresh Mkt. Processing.


4011 Seaside F1 25-30 Days Baby Leaf, 35-40 Days full leaf. Quick cropping, with great uniformity. Smooth, thick, very dark green spade-shaped leaves with good retention of small to moderate leaf size and slow bolting; great traits for baby-leaf production. Broad DM package and upright habit provide for wide adaptability to both full-leaf and baby-leaf mktcs, fresh-local growers as well as shippers. Resistant DM 1-11, 13-16. Tolerant DM 12, 14, Baby leaf. Bunch, clip, shipping, local mkt.

4015 Space F1 40 Days. Very upright leaves are dark green, smooth and round. Slow bolting monoeious type good for long season of sowings from spring through fall. Resistant DM 1, 2, 3, Freezing. Fresh Mkt.

Spinach Disease Codes

| DM | Downy Mildew |

Strawberry
(Fragaria x ananassa)

Crop time 3-5 months from sowing. Sow in winter for setting out after last freeze in spring. Germ at 72°F, approx. 10-14 days. Give plenty of light after germ. Detailed culture schedule available on request.

4325 Elan F1 120-150 days from sowing, 8-12’ trailing; Day-neutral. Extra sweet fruit June to October. Shiny bright red berries, with classic bi-conical shape of commercial types. White flowers. Tested 30+% more Vitamin C than others. Runners fill baskets, planters and beds. Upick, Fresh Mkt. Bedding Sales.

Swiss Chard
(Beta vulgaris, Cicla Group)

Approx. 1,600 seeds/oz. Also called Leaf Beet. Pak plants 25” of row; ½ oz sows 100’. Direct sow 5 lbs/acre. Sow sd ½” deep, 12-15” apart in rows 24-36” apart. Open Pollinated. Germs in about 8 days.

4334U Elan F1 40-45 Days. Fast growing, extra broad disease package to promote high yield potential. Resistant DM 1-11, 13, 15, 16. Fresh Mkt.

4335U 4335U 4335U 4335U 4335U 4335U 4335U

4339U Rhubarb 60 Days. Edible ornamental variety. Thick, savoyed leaves are reddish green; stalks are brilliant crimson, lending a likeness to rhubarb. Good flavor. Attractive in vegetable or flower plantings.

Strawberry
Cat# | Spinach (M=1000) | 250 sd | 2500 sd | 10 M (per M) | 50 M (per M) | 200 M (per M) | 500 M (per M) | 1000 M (per M) |
--- | --- | --- | --- | --- | --- | --- | --- | --- |
3999U Bloomsdale | 2.15 | 3.90 | 0.80 | 0.70 | 0.60 | 0.55 | 0.50 |
4000 Countrywide | 1.65 | 2.20 | 0.70 | 0.60 | 0.55 | 0.50 | 0.45 |
4005U Imperial Star | 1.65 | 2.50 | 0.80 | 0.70 | 0.55 | 0.50 | 0.50 |
4006 Plymouth | 1.55 | 2.55 | 0.84 | 0.72 | 0.66 | 0.60 | 0.55 |
4007 Reflect | 1.60 | 2.15 | 0.70 | 0.60 | 0.50 | 0.45 | 0.40 |
4011 Seaside | 1.70 | 2.25 | 0.75 | 0.65 | 0.60 | 0.55 | 0.50 |
4015 Space | 1.70 | 2.40 | 0.75 | 0.65 | 0.60 | 0.55 | 0.50 |

Swiss Chard
Cat# | Spinach (M=1000) | 1/8 oz | 1 oz | 1/4 lb | 1/2 lb | 1 lb | 5 lb (per lb) |
--- | --- | --- | --- | --- | --- | --- | --- |
4325 Elan | 5.35 | 20.85 | 29.75 | 256.65 | 217.50 | --- | --- |

4333U Eldorado | 1.85 | 4.00 | 7.90 | 13.25 | 22.95 | 20.70 |
4334U Fordhook Giant | 1.90 | 2.60 | 3.65 | 4.95 | 8.15 | 7.45 |
4339 Rhubarb | 1.80 | 3.15 | 5.40 | 9.20 | 15.35 | 14.35 |

Rhubarb

Email: twilley@twilleyseed.com Fax: 864-227-5108
Superpik F1

4173 & 4173U
4173 Superpik

Lioness F1

4098 & 4089U
4089U
4098 Lioness

Enterprise F1

4173 & 4173U
4079 & 4079U
4079
4077 Fortune F1

Gentry F1

4075 & 4075U
4075Gentry

Summer Squash

(Cucurbita Pepo)

Approx. 120-400 sd/oz. Packet contains 25 sd; ½ oz sows 100’ of row. Direct-sow 2-6 lbs/acre. Sow sd 1-2” deep, 24-48” apart in rows 36-60” apart. Germs in about 7 days. Days to maturity are from sowing.

Squash Disease Codes

| CMV | Cucumber Mosaic Virus |
| DM  | Downy Mildew |
| PM  | Powdery Mildew |
| PRSV | Papaya Ring Spot Virus |
| SLC | Squash Leaf Curl |
| WMV | Watermelon Mosaic Virus |
| ZYMV | Zucchini Yellow Mosaic Virus |

Grandprize F1

4077 Fortune F1 39 days. Early productive straight neck type with precocius yellow gene which masks or delays virus symptoms. Attractive, smooth, uniform, bright yellow cylindrical fruit, 6” x 1.25”, with sturdy neck which resists breakage. Good ability for continuous setting and high yield have been demonstrated in trials. Strong candidate for early crop of baby squash.

4095 Grandprize F1 42 days. Strong enhanced disease pkg for high yield potential and clean fruit. Smooth, bumpless, glossy deep yellow fruit with strong outer walls and great mkt appearance. Fruit size averages 2” diam x 7” L. Erect habit with semi-open branching and reduced spines allows for easy hand harvest and reduced fruit damage. Tolerant PM, PRSV, WMV, ZYMV. Fresh mkt, Shipping.

4098 & 4089U Lioness F1 50 days. Main season. Yellow straightneck, 7” x 2” with medium bulb. High quality fruit. Extremely high yield potential due to very strong disease package. Mid-size bush with good vigor and potential for long harvest window. Tolerant PRSV, WMV, ZYMV. Fresh mkt, Shipping.

4173 & 4173U Superpik F1 50 days. Precocious yellow gene masks green streaking caused by certain viruses, delaying its appearance until later in the season than otherwise. (Masking for CMV & WMV 2 have been noted in trial.) Attractive, marketable, bright yellow stem end. Open habit, midszie vigorous bush. High potential for prolific early yield. Fresh Mkt, Shipping. Resistant CMV, WMV 2.

### Crooknecks

4058 Delta F1 42 Days. Classy crookneck, butter yellow skin, deep green stem, well proportioned base with thick graceful neck. High quality, very uniform. Trials report good potential for high yields due to disease package and dense bush habit. Resistant PM. Fresh Mkt.

4079 & 4079U Gentry F1 43 Days. 6 x 1.5”. Well known high quality semi-crookneck, butter yellow with medium bulb and small blossom scar. Comparison trial data report top yields in several trials especially across hot southeastern states. Open vigorous bush with fewer spines which can help limit damage at harvest. Growers are asking for this variety. Fresh Mkt, Shipping.

4100 Mabel F1 40-45 days. Bright yellow crookneck with green stem. Showed high yield in Breeder’s trials. Very early & uniform. Open bush habit with low canopy, very few spines and low scratch rate. Rated unusually high in Vitamin A & carotenoids. Tolerant PM.

### Straightnecks

4070 Enterprise F1 41 days. Attractive bright yellow straightneck with long tapered fruits. Heavy continuous production over a long season. Vigorous bush with high quality fruits. Tolerant PM. Fresh Mkt, Processing.

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To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l)
**Green Zucchinis**

- **Ambassador F1**
  - 4035 & 4035U
  - 51 Days. Especially good for the South. Uniform, cylindrical fruits are medium dark green. Open plant habit; extremely productive. Fresh Mkt.

- **Grinch F1**
  - 4096 Grinch F1
  - 45-50 Days. Glossy medium dark green with a dusting of small attractive light green fleckles and strong walls. Excellent shipper. Size is 6-7”L x 1.5”diam. Open bush habit with very reduced spines and an extended peduncle allow for easy picking and reduced damage. Vigorous plant and strong disease package allows for long picking season high yield potential. Tolerant CMV, PM, WMV. Fresh mkt, Shipping.

- **Noche F1**
  - 4103 Noche F1
  - 45 days. Large, cylindrical deeply dark green and glossy fruit with long shelf life. Size 7-8”L x 2.0-2.5” diam. Nearly spineless, with open erect habit for easy harvest & reduced damage. Tolerant WMV, ZYMV. Fresh mkt, Shipping.

- **Obsidian F1**
  - 4105 Obsidian F1
  - 45 days. Elongated solid deep green fruit. Open bush habit for easy pick and good air movement. Extensive disease tolerance package encourages high yield. Tolerant PM 2, SLC, ZYMV.

- **Paycheck F1**
  - 4119 Paycheck F1
  - 42 days. 7” x 2” fruit. Widely adapted and highly recommended for Eastern and Midwest regions. Glossy mid-green fruit are smooth, straight, cylindrical, finely speckled. Upright open habit with reduced spines makes for easy, low-damage harvest. Dark green slightly mottled leaves. 4-way disease resistance provides potential for very high yields of top quality fruit through cool or chilly weather. Earlier than Payroll and stronger disease package. Tolerant PM, CMV, WMV, ZYMV. Local Mkt, Garden Plant Sale, Shipping.

- **Payroll F1**
  - 4120 Payroll F1
  - 47 days. Early. High yield potential due to stronger disease package. Cylindrical medium green fruit with refined flecks. Reaches peak quality harvested at 7” x 1.75”. Large, vigorous plants, open habit and reduced spines result in easier harvest and less fruit damage. High yields observed in Eastern green zucchini trials. Tolerant PM, WMV ZYMV. Fresh Local Mkt, Garden Plant Sale, Shipping.

**Cat#** Squash 1/8 oz 1 oz 1/4 lb 1/2 lb 1 lb 5 lb (per lb) 25 lb (per lb)

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**Summer Novelties**

**4065 Eight Ball F1**
45 days. Highly productive zucchini with round medium dark green skin color. Excellent plant vigor and uniform fruit weighing 1-1.5 lbs. Strong plant with open bush habit. Commercial, Fresh Mkt.

**4138U Scallop Benning’s Green Tint**
47-56 days. Pale green pie-shaped Patty Pan type, 2.5” deep x 3.5” diam, with deeply scalloped edges. Semi open plant habit, good yield. Best OP sub for Peter Pan when light-green skin is needed. Fresh Mkt.

**4140U Scallop Yellow Bush**
49-54 days. Vigorous bush plants produce nice yields of large, bright yellow 7” fruits. Scalloped shaped fruits have a creamy texture and tasty, distinctive flavor. ‘Patty Pan’ type.

**4165 Sunburst F1**
50 days. Yellow-skinned ‘Patty Pan’ type. Attractive, tender, buttery yellow skin, fine flavor and texture. Fresh Mkt.

**4179U Total Eclipse F1**
49 days. 2” deep x 3” diam, prolific dark green ‘Patty Pan’ type. Pie shaped scalloped fruit. Fine grained, mild sweet white flesh, Compact bush. Attractive deep green shows well with gold and white in baby squash medley. Fresh Mkt, Ornamental.

---

### Cat# | Squash | 1/8 oz | 1 oz | 1/4 lb | 1/2 lb | 1 lb | 5 lb (per lb) | 25 lb (per lb)
---|---|---|---|---|---|---|---|---
4138U | Scallop Benning’s Green Tint | 1.60 | 2.45 | 8.45 | 14.55 | 26.00 | 23.80 | 22.20
4140U | Scallop Yellow Bush | 1.60 | 2.55 | 8.75 | 15.00 | 26.90 | 24.60 | 23.00
4179U | Total Eclipse | 2.25 | 13.20 | 44.15 | 39.00 | 75.30 | 72.15 | --

### Cat# | Squash (M=1000) | 25 sd | 100 sd | 500 sd | 1000 sd | 5 M (per M) | 25 M (per M) | 50 M (per M)
---|---|---|---|---|---|---|---|---
4065 | Eight Ball | 3.15 | 9.80 | 38.80 | 53.50 | 50.75 | 47.65 | 45.00
4156 | Senator | 4.00 | 12.40 | 43.70 | 55.60 | 52.35 | 49.15 | 46.45
4160 | Spineless Beauty | 2.60 | 8.15 | 32.90 | 53.80 | 45.35 | -- | --
4161 & 4161U | Spineless Perfection | 4.40 | 11.90 | 47.25 | 75.75 | 71.55 | 67.35 | 63.85
4165 | Sunburst | 3.15 | 8.70 | 34.45 | 55.25 | 52.20 | 49.10 | 46.55

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To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
### Golden Zucchini

**4080 Gold Rush F1** 45 days. Compact, very vigorous plants produce brilliant golden-yellow, smooth zucchini squash. Gourmet quality with sweet, white flesh is best picked at 8-10".

**4087 & 4087U Golden Delight F1** 47 days. Intense golden yellow zucchini, dark green stem. Uniform cylindrical 7" x 1.75" fruit. Trials showed little or no greening under virus pressure due to disease traits, with potentials for high yield and high % grade A. Vigorous upright open bush habit, semi-spineless, for east harvest with minimal damage. Tolerant ZYMV, WMV, Fresh Mkt, Regional Shipping. Garden Plant Sales.

**4090 Golden Girl F1** 50-55 days. True golden yellow zucchini. Long cylindrical smooth fruit with consistently high quality. Strong open bush allows easy picking with little scar damage. Good disease rating provides high yield potential. Tolerant PM 2.

**4091 & 4091U Golden Glory F1** 50 days. Intense golden yellow zucchini, dark green stem. Smooth, uniform cylindrical fruit are at top quality when 7-8" x 1.75". Trials showed little or no greening under virus pressure due to disease traits. Enhanced disease package improves potential for high yield, long harvest period and high % grade A. A Vigorous upright open bush habit, semi-spineless, for easy harvest with minimal damage. Tolerant PM, WMV, ZYMV. Fresh Local Mkt, Regional Shipping.

**4145 & 4145U Sebring F1** 40 days. Semi-spineless, straight, golden 8" fruit. Strong highly productive plant and uniform crop. Bush habit with open plant structure make it easier to see the fruit for a more complete harvest. Commercial shipping, Fresh Mkt. Tolerant PM.

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**Squash Disease Codes**

- **CMV**  Cucumber Mosaic Virus
- **DM**  Downy Mildew
- **PM**  Powdery Mildew
- **PRSV**  Papaya Ring Spot Virus
- **SLC**  Squash Leaf Curl
- **WMV**  Watermelon Mosaic Virus
- **ZYMV**  Zucchini Yellow Mosaic Virus
Winter Squash

Approx. 120-400 seeds/oz. Hybrid packets contain 25 seeds; OP packets produce 10 hills; 1 oz sows 100’ of row. Direct sow 2-6 lbs/acre. Sow seeds 1-2” deep, 36-96” apart in rows 72-96” apart. Seeds germ in about 7 days.

Acorn Types (Cucurbita Pepo)

4199 Autumn Delight F1 71 days. Semi-bush vine is compact and bears early maturing crop of large, 6-7”, deep green, deeply ribbed fruit with sweet buttery golden interior. High yield potential due to fast maturity combined with the likelihood that a high % of fruit set will achieve full maturity. High Resistant PM.

4200 Black Bellota F1 75 days. 2 lb. Deepest dark green with classic acorn shape, including pointed tip. Semi-bush habit. High quality interior, fine-grained and sweet with extra long shelf life at 6 to 9 months. Compact vine and good disease ratings enhance the chance for high yield. Tolerant PM 12, Poty Virus Group.

4220 Carnival F1 85 days. Acorn squash with a nutty twist. The fruits are flecked and streaked with color, shades of yellow, green, gold, each one different. Otherwise performance is uniform and commercially dependable. Midsize fruit are borne near the crown of the semi-bush plant for easy cultivation and harvest. Good for long storage with fine interior quality.

4232 Cream of the Crop 75 days. Pale creamy white-skinned squash is a novelty for fresh markets, easy to see and harvest. Golden-creamy flesh with nutty flavor; the 2-3 lb fruits store well. Bush-type plants.

4257 Table Ace F1 70 days. Fruit with excellent shape, 4.5” x 5.5”, attractive black-green skin. Delicious, sweet flesh is free of stringy fiber. plants spread 3-4 ft, 2-2.5 ft tall. Commercial, Fresh Mkt.

4267U Table King 75 days. Dark green fruits 5-6.5” x 4.375-5.25”, avg 1.25-1.5 lbs. Thick yellow-orange flesh with excellent flavor; improves in storage. Plants 2-2.5’, set 4-7 fruits each. Fresh Mkt, shipping.

4272U Table Queen Mammoth 80 days. Selection of Royal Mammoth chosen for its large fruits. Deep green skin and attractive, dark orange flesh avg 5.5”x7”. Well adapted for East and South. Fresh Mkt.

4282U Taybelle PM F1 90 days. Unusual strength against disease. Good yields of large 6”x7” fruits, Color is deepest ebony green. Semi-bush habit. High Resistant PM.

Cat#   Squash           1/4 oz | 1 oz | 1/4 lb | 1 lb | 5 lb (per lb) | 25 lb (per lb)
4267U  Table King      2.35  | 5.60 | 8.50  | 14.65| 26.15 | 23.90 | 22.30 |
4249   Autumn Delight    2.60  | 7.90 | 31.30 | 50.15| 46.60 | 43.05 | 40.15 |
4220   Black Bellota    2.60  | 6.80 | 27.05 | 43.30| 40.25 | 37.20 | 34.65 |
4220   Carnival          4.00  | 10.40| 41.50 | 60.95| 56.65 | 52.30 | 48.70 |
4257   Table Ace        2.30  | 6.65 | 26.30 | 42.15| 39.20 | 36.20 | 33.75 |
4282U  Taybelle PM      2.60  | 7.00 | 28.25 | 43.60| 36.40 | 33.75 | 31.00 |

Table#  Squash           1/8 oz | 1 oz | 1/4 lb | 1 lb | 5 lb (per lb) | 25 lb (per lb)
4232   Cream Of The Crop | 1.60  | 7.70 | 26.35 | 45.00| 77.40 | 68.40 | 63.00 |
4272U  Table Queen Mammoth | 1.70  | 2.90 | 4.50  | 7.55 | 13.60 | 12.45 | 11.60 |
**Butternut Types**

(Cucurbita moschata)

**4191U Autumn Crown F1** 95 days. New type of hybrid whose shape lends itself to easier harvest, storage and shipping plus convenience in kitchen. Butternut-like sweet flavor, thick deep orange sweeterly aromatic flesh, small seed cavity, buff exterior color and 4-5 lb fruit. Flattened globe shape with ribs and a prominent green handle, somewhat resembling Parisian type pumpkins. Medium vines spread about 10 feet. Storage up to 4 months. Capable of yielding up to 4 fruits per plant in good conditions. Dual use - can be displayed in cornucopia, then eaten after the holiday.

**4197 Autumn Frost F1** 100-105 Days. Combines a unique and useful pumpkin-like shape and handle with the rich, sweetness & smooth texture of a true Butternut Squash. This shape will allow packing, shipping and display in more compact spacing with less likelihood of damage. Fruit size 5-7" tall x 5-6" wide and attractively ribbed. Stores well up to 4 months. Tolerant PM. Fresh mk, Shipping, Stor.

**4198 Avalon F1** 88 days. Large thick-necked fruit, 3.5-4 lb avg. 8-9" x 5-6" neck. Uniform size and shape; 0.5 lb heavier than Waltham. Attractive smooth tan exterior. Deep orange flesh with firm, fine grained texture and sweet flavor. Good replacement for Butternut Supreme. Fresh Mkt.

**4227 & 4227U Chieftain PMR F1** 85 days. Unusually strong against PM. Uniform 2.5 lb butternuts are attractive mkt size. Compact plant. Good keeper with fine grained flesh. Tolerant PM. Fresh Mkt. Storage, Roadside, Shipping.

**4228 & 4238U Frisco F1** 90 days. Compact semi-bush Butternut producing large numbers of handsized 6-7" fruits suitable for single servings. Nationwide AAS trials reported avg yields at 8-9 per plant 1-2 lbs per fruit. Plant was reported 10" tall spreading 2-3 ft. Tan fruits with orange interior, slightly bulb shaped, with sweet nutty flavor. Resists cracking. Tolerant PM. Fresh Mkt, Restaurant, Garden Ctr Sales, Container Sales. Heartland.

**4244 & 4244U Indian Brave F1** 85 days. Large 4-5 lb fruit, 9"x3", produced in abundance. Quality comparable to Butternut Supreme. Vigorous vine with disease tolerance, extra yield potential. Tolerant PM, resists cracking. Fresh Mkt, Shipping.

**4254U Sweet Max F1** 90 days. Capable of producing 2-3 large 6.5 lb per vine. Vigorous vine produces good leaf cover. Great internal color and flavor. Traditional shape.

**4302U Waltham Butternut** 110 days. Very uniform production of fruits free of crooked necks. Large fruits have excellent flavor and color with uniform, straight necks; store well. Fresh Mkt. 

**4310 Zodiac F1** 105 days. 4-6 lb fruit. Elongate Waltham shaped neck with shallow ribbing. Desirable type for fresh market. Extra long neck provides a better filling for a handsized 6-7" fruits suitable for single servings. Hard rind assures at least 2 handsized servings. Excellent flavor and texture; each provides two servings. Hard rind assures at least 2 months of storage. Heavy yielding, semi-bush, compact vines; open habit. Commercial, Fresh Mkt.

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**Email:** twilley@twilleyseed.com  
**Fax:** 864-227-5108
**Hubbard Types (Cucurbita maxima)**


4242U Hubbard Golden 105 days. Large, red orange, warty fruits about 10 lbs, average 11” x 9”. Very tasty flesh is deep orange, dry; excellent for pies, cooking. Long storage. Commercial, Fresh Mkt, Processing.

4243 Heavenly Hubbard F1 105 days. Large reddish orange exterior, 10-11” x 15”. Soft, dry flesh, deep orange, excellent flavor and texture. Commercial, Fresh Mkt, Processing.

4250 Red October F1 95-100 days. Striking, brilliant red deep Hubbard. Sells itself, a great color to take to market. 6-11 lb fruit, with excellent uniformity of size, shape and color. Edible and ornamental. Fresh Mkt, Shipping, Cornucopia, Restaurant Specialty, Garden Plant Sales.

4252 Sweet Mama F1 85 days. Big yields of fruits with very dark, green skin, 2-3 lbs each. Moderately thick, sweet, yellow flesh; excellent storage ability, 4 months or longer. Semi-short plants produce 2-3 fruits each, can be pruned back to 4’. Commercial, Fresh Mkt.

**Kabocha/Buttercup Types (Cucurbita maxima)**

4202 Bonbon F1 95 days. Buttercup type winter squash average 4-5 lbs. Deep green, blocky shape, smooth skin and thick, sweet orange flesh on vigorous, medium vines. High sugar content, dry weight. Commercial, Fresh Mkt, Shipping.

4212U Buttercup (Burgess Strain) 100 days. Favorite winter squash variety. Round fruits with button have dull green rind striped with gray. Flesh of excellent quality and taste; deep golden yellow fine-grained, sweet, flavorful and free of fiber. Cooks, freezes and stores well. Commercial, Fresh Mkt.

4247 Sunshine F1 95 days. Highly desirable combination of traits. Bright deep orange skin for sales appeal. High sugar (avg Brix 15%), light, sweet nutty-starchy flavor, completely smooth and stringless when baked. 3-4 lb fruits slightly flat-round, with bright orange interior and high dry matter content (avg 17%). Vigorous short internode 8’ vine.

4252 Sweet Mama F1 85 days. Big yields of fruits with very dark, green skin, 2-3 lbs each. Moderately thick, sweet, yellow flesh; excellent storage ability, 4 months or longer. Semi-short plants produce 2-3 fruits each, can be pruned back to 4’. Commercial, Fresh Mkt.

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---|---|---|---|---|---|---|---|---|---
3760U | Cushaw Orange Striped | 2.00 | 5.95 | 20.90 | 36.30 | 65.45 | 61.00 | 57.75 | 55.00
4292 | Turk’s Turban | 1.55 | 3.90 | 13.25 | 22.90 | 40.90 | 37.45 | -- | 34.95
4249 | Pinnacle F1 | 3.95 | 11.30 | 44.90 | 71.90 | 110.30 | 103.00 | 97.00 | 91.00
4246U | Pinata | 1.95 | 3.45 | 5.40 | 9.20 | 16.65 | 15.00 | -- | 14.20

**Cat#** | **Squash** | 1/8 oz | 1 oz | 1/4 lb | 1/2 lb | 1 lb | 5 lb (per lb) | 10 lb (per lb) | 25 lb (per lb)
---|---|---|---|---|---|---|---|---|---
4246U | Pinata | 1.95 | 11.90 | 39.25 | 61.30 | 102.00 | 94.00 | 87.00 | 79.00
4287 | Tivoli | 2.70 | 16.75 | 55.35 | 82.10 | 160.50 | 155.70 | 151.60 | 147.60

**Cat#** | **Squash** | 25 sd | 100 sd | 500 sd | 1000 sd | 5 M (per M) | 25 M (per M) | 50 M (per M)
---|---|---|---|---|---|---|---|---
4207 | Bush Delicata | 1.75 | 3.95 | 16.00 | 27.75 | 24.80 | 22.65 | 21.20
4249 | Pinnacle | 3.95 | 11.30 | 44.90 | 71.90 | 68.20 | 64.00 | 60.50
**Plus Series**

Welcome to a new generation of old favorites. Each *Plus* variety offers all the great characteristics of an original top-selling variety "plus" improvements in flavor, modern disease resistance and adaptability.

*Plus* varieties have potential for longer harvest, higher yield and even more market appeal than their class namesakes.

**Better Boy Plus** (see page 75) has added disease resistance, higher brix, firm fruit and lower possibility of radial cracking.

**Big Beef Plus** (see page 75) offers improved color for market appeal, a wider range of disease resistance and larger fruit.

**Celebrity Plus** (see page 72) offers improved wide-spectrum disease resistance, better crack resistance, larger fruit and higher brix.

Note: The *Plus* tomatoes were created using traditional breeding methods and are not genetically engineered. Nearly all the genetics of the original hybrids are still present in the *Plus* hybrids.

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**Selecting Tomato Varieties**

With so many varieties, it may be difficult to choose which tomato to grow for your crop. Twilley continually look for new varieties with better performance traits. The following information will help you select the best varieties for your production. We especially suggest any of the tomatoes in Twilley’s tried and true "Professional Seeds Series".

**Maturity**

Consider the number of frost free days in your growing area. Early crops are often useful to make early market windows, even though some trade-off in fruit size may be necessary.

**Determinate vs Indeterminate**

Determinate plants grow shorter, with more concentrated fruit set, and need less pruning or support. Indeterminate plants usually have a more extended harvest season, and can yield larger, more perfect fruit if supported and pruned.

**Fruit Type and Use**

Various sizes, shapes and colors are available to meet market demand in different regions and applications.

**Jointless vs Jointed**

Jointless fruits, when picked, leave the stem (pedicel) on the plant resulting in a smooth fruit surface. Smoother fruit can show less damage in shipping with less need for special packing materials. Jointed fruits have an enhanced appearance in fresh market settings because stem remains attached to fruit.

**Shipping/Fresh Market**

Descriptions indicate suggested best uses for many varieties. Shipping types usually are very firm, produce a concentrated fruit set and can ripen to a red color in storage after green harvest.

**Adaptability**

Many varieties perform well in certain regions; we include this information when possible.

**Disease Tolerance or Resistance**

Many new varieties have been improved for a broader range of disease traits, as new research results become available for commercial use. As part of your disease management, you may choose varieties that are strong against the diseases that make the most problems in your area. It is recommended that you contact and extension service agent in your area to identify the cause of growing problems. They can help identify the problem so you can better deal with it. We have found that land grant universities offer excellent information on their websites. See Page 113 or ask your Twilley salesperson for universities in your region.

*TSWV* indicates varieties resistant to Tomato Spotted Wilt Virus, which is now a growing problem in many states. TSWV can wipe out entire tomato crops. Symptoms are hard to detect in early stages and no treatment is known to be effective at saving an infected crop. TSWV is hard to control because the tiny thrips that feed on infected plants spread quickly through a field and carry the virus to healthy plants. Disease resistance is the only known method to control this problem.

*TYLC* indicates varieties resistant to Tomato Yellow Leaf Curl. Transmitted by white fly, TYLC has recently come on as a disease problem.
Tomato

*(Lycopersicon esulentum)*

**Celebrity F1**

About 11,500 seeds/oz. Germs in about 8 days. Set plants 18-48" apart in rows 36-60" apart (if staked, 12-24" apart in rows 36-48" apart). Days to maturity are from transplant.

**Large Round Determinates**

4359 & 4359U *Amelia F1* 75 days. Aggressive disease package including Tomato Spotted Wilt resistance. Vigorous plant with good leaf canopy has yielded large to extra large fruit under moderate to heavy pruning regimes and is a good subject for stake culture. 7-8 oz. fruit are very firm, uniform red ripening, suitable for green or ripe harvest, and crack tolerant. Bred primarily for Southeastern U.S. shipping markets but could be tested for other areas and applications. Resistant FW 1, 2, 3; N, St, TSWV, V.

4371 *Bella Rosa F1* MidEarly. Large fruited with superb disease package including TSWV and heat tolerance. Vigorous vines. Bright red fruit is uniformly large, round, firm fleshed and highly flavored with good balance of acid to sugars. Superb trial results in Southeastern U.S., especially Florida, and worth testing in any area with strong disease pressure. Resistant ASC, FW 1-2, TSWV, V. Fresh Mkt, Roadsides, Shipping.

4380 *BHN1021 F1* 75 days. Good flavor & texture Disease package well suited to southeastern US crops for fresh & local market. Resistant V, FW, N, TSWV Fresh Mkt, Shipping.

4386 *Biltmore F1* 65-70 days from TR 80-85 days from sowing. Widely accepted as a fresh mkt workhorse in SE & mid-Atlantic states. Continuous set, with exceptional cropping of larger fruit high on plant - a good proportion ranging 10-14 oz. Uniform-ripening fruit with excellent eating quality. Deep globe shape, very smooth with small blossom scar. Vigorous plant sets fruit to top. High potential yield of firm, round grade A fruit. Rugged plants well adapted to open field production, with minimal to no pruning or pampering. Resistant ASC, FW 1-2, St, V Fresh Mkt, Local Shipping.

4409 *Carolina Gold F1* 75 days. 8-10 oz. Vigorous with large yield of clean, uniform ripening, round beef fruit. Golden tangerine color very attractive for specialty sales. Resistant V, FW 1-2, Highly Tolerant Graywall. Tolerant cracking. Weather checking. Fresh Mkt, Roadsides.

4419 *Celebrity F1* 72 days. Mid-early variety for main crop; widely adapted, with wide-spectrum disease resistance. Large, red, deep oblate fruits are firm, flavorful, average 8 oz.; show crack resistance. Medium size, strong plants. Grow on ground, caged or staked. Pruning not recommended. Resistant ASC, FW 1-2, N, ToMV 0-2, V. Fresh Mkt, Commercial, Gardn.

4410 *Celebrity Plus F1* 72 days. Mid-early variety for main crop. Widely adapted, with wide-spectrum disease resistance. Large, red, deep oblate fruits with bright red flesh are firm, flavorful, average 8 oz. & show crack resistance. Medium size, strong determinate plants. Grow on ground, caged or staked. Pruning not recommended. Vigorous plants with good fruit protection. Highly productive. All the original original Celebrity genetics but with modernized disease resistance, higher brix and improved uniformity of shape & size. Resistant ASC, FW 1-2, N, TMV, TSWV, V. Fresh mkt, UPick, Gardn.

4420U *Charger F1* 72 days. Extra large 8-10 oz fruits are 2.75"-3" x 3.5-4.5", with lots of good flavor, very firm flesh and smooth shoulders. Good red color inside and out. Strong disease package. Widely adapted, showing good yield potential and quality in trials across Eastern US, in both mature green and vine ripe harvest regimes. Mid tall plants need no pruning but respond well when pruned. Resistant ASC, FW 1-3, V 1. Tolerant St, TYLC. Fresh Local Specialty, Restaurant, Garden & Container Plant Sales.

4437 *Dixie Red F1* 85 days from sowing, 65 days from transplant. Quite early for such for such a large fruit type. 11-11.5 oz, deep oblate fruit range in size from 3" x 2.5" up to 3.5" x 3". Strong, broad 6-disease package includes F3, TSW and Nematode resistance and confers good potential for high yield of large fruit, even in hot-set conditions. Good red color inside and out. Can be used for green ripening or for vine ripe harvests due to earliness and large size. Vigorous medium-determinate vines form good leaf canopy for sunburn protection. Recommendation: DO NOT PRUNE. Dixie Red bodes well to become a workhorse tomato. Resistant TSWV, ASC, F 1-3, St, VW 1. Med Resistance N. Fresh Local, Shipping. Vine Ripe, Green Ripening.

About 11,500 seeds/oz. Germs in about 8 days. Set plants 18-48" apart in rows 36-60" apart (if staked, 12-24" apart in rows 36-48" apart). Days to maturity are from transplant.
**Red Pride F1**

4450 Florida 91 F1 72 days. Smooth, round 10 oz. fruit ripens in groups of uniform, deep red. Plant produces high yields of solid old-fashioned tomato flavor fruit. Strong vines with good heat-set capability. Pruning not recommended. Resistant ASC, FW 1-2, St, V 1. Fresh Mkt, Roadside, UPick.

4486 Jolene F1 73-79 days. Large to extra large 12-14 oz with firm meaty flesh and deep red interior. Early bearing with clean blossom end and uniform smooth shoulders. Was noted best in class for heat set in trials throughout Eastern US and was especially strong in SE. Resistant FW 1-2, St, TYLC, V. Fresh mkt, UPick, Gdn.

4534 & 4534U Mountain Fresh Plus F1 79 days. Large, deep oblate fruits 3.5” across and weighing 8-12 oz. Excellent resistance to cracking, blossom end rot, puffiness and angularity. Resistant N. Tolerant FW 1-2, St, V 1. Fresh Mkt, Roadside, UPick. Commercial.

4536 Mountain Gem F1 75 days. New addition to Randy Gardner’s Mountain series featuring Late Blight resistance within its broad disease package. Nearly unique flavor quality, important for growers aiming at fresh markets. In trial locations, mid-size determinate plants to 3 ft tall retained clean green foliage and continued fruit set well after other comparisons were blighted out. Large flattened globe fruit reached 3.5”-4” diam in trial and retained a high pct free of blossom end rot even after long weeks under pressure from rainy weather. This variety contains the “crimson gene.” Meaty, thick flesh is deep red for strong eye appeal at mkt. High yields were observed in 2017 trial. A visiting grandson who helped with taste testing in the trial exclaimed “Now this one has zing!” Resistant F 1-2, LB, TMV, TSWV, V. Fresh mkt, U-Pick.

4537U Mountain Gold 72 days. OP. Deep tangerine-yellow fruits are 3-4” with mild low acid flavor. Superb in both appearance and holding quality. Fresh Mkt, Home Garden.

4542 Mountain Merit F1 75 days. Superb disease package. A unique combination of Late Blight, Early Blight, TSWV, VFNT, plus top commercial & table traits. Round Beefsteak fruit reach 10-14 oz. Deep Red exterior and firm deep red fruit with delicious full-bodied flavor. Vigorous habit, with vines reaching 5’ at full growth. High yield potential. A must-have variety. Resistant FW 1,2,3, TMV, TSWV, V, Tolerant EB, N. Fresh Mkt. Heartland.

4544 Mountain Spring F1 69 days. Jointed. Firm, uniform, bright red color inside and out. Average 10-12 oz. Tolerant FW 1-2, V 1, Fresh Mkt, U-Pick.

4568 Red Pride F1 78 days. Main Season. Round oblate fruit with refined blossom end and good color, well proven in Eastern stake tomato production, where it has been found to produce a high percentage of large to extra large grade A fruit. Vigorous plant with good possibility of high yield. Abundant large flat leaves provide good sun cover which helps to avoid blemishes. Resistant ASC, FW 1-2; V 1. Tolerant St. Fresh Local Mkt, Roadside, Garden Plant Sales.

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**Tomato Disease Codes**

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To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l).
More Large Round Determinates

4570 Sanibel F1 75 days. Large 8 to 12 oz fruit borne in concentrated set on 3 1/2' vines. Great flavor from high acid/sugar balance. Main crop comes on in a 14 day window. Excellent disease package. Pruning not recommended. Pelleted seed only. Resistant V, FW 1, FW 2, N, ASC, 'St.

4574 Saybrook F1 80-85 days. A standout in precommercial eastern US & Canadian trials, Saybrook was noted for large sets of extra large, smooth 8-10 oz fruit with little cracking, all the way from bottom to top of vine. Some growers reported lots of 12-oz fruit. Vigorous determinate plant provides good protective canopy against sunscald. Showed potential to yield well even in later harvest due to robust disease pkg. Do NOT prune Saybrook. Resistant ASC, FW 0-2, St, TSWV, V 0. Tolerant N. Fresh mkt, Shipping, Vine Ripe, Green Harvest.

4576 Stellar F1 70-75 days. Super disease package includes Septoria Leaf Spot and both Blights, enabling high yield potential and long lasting harvest from clean plants. Round 5-7oz fruit load up on 30-36' vigorous plants. Excellent slicing quality. Best for trellis culture in open ground. Resistant FW 2, LB, V Tolerant EB, SLS. Fresh Mkt.

4580U Sunny Boy F1 70 days. Bright golden yellow, very sweet. Nice interior is firm enough to ship well and contains few seeds. 6-oz globe shaped fruit. Sets well across a wide range of growing areas. Fresh Mkt, Shipping.

4612 Tasti-Lee® F1 75 days. 8-10 oz, 3" x 3.25". A breakthrough in vine-ripen shelf quality. Brilliant deep red inside and out (crimson gene). High lycopene trait (50% above avg). Tremendous flavor and very firm texture. All of this with unique shelf-life traits. Repeated shelf-life tests indicate strong potential for retention of top flavor and firm texture up to 2 weeks from vine-ripe harvest. Worth testing out for any road-side, fresh mkt or shipping situation where fresh local quality is demanded at table. Good dense foliar protection. Widely adapted from FL to ME. Sets well in heat up to 90°F days. Resistant to FW 1,2,3, V 1. Premium quality for Fresh Mkt & Shipping.

Tasti-Lee® Orders over 5000 sd require breeder's marketing agreement. Please call for information.

Note - Sales to supermarket chains require participation in a brand-name marketing program. Please ask if your plans include supermarket distribution.

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Large Round Indeterminates

4374 & 4374U Better Boy F1 75 days. Large, globe-shaped fruits up to 1 lb or more, with bright red flesh. Vigorous plants with good fruit protection. Highly productive. Grow on ground or stakes. Tolerant ASC, FW 1, N, St, V, Fresh Mkt, U-Pick.

4375 Better Boy Plus F1 75 days. Large, globe-shaped fruits averaging 1 lb or more, with bright red flesh. Vigorous plants provide good fruit protection. Highly productive. Grow on ground or stakes. All the original Better Boy genetics but with modernized disease resistance, higher brix and less radial cracking. Tolerant ASC, FR, FW 1, N, St, TMV, TSWV, V, Fresh mkt, U-Pick, Gdn.

4384 & 4384U Big Beef F1 73 days. Early red beefsteak-type with round smooth shoulders, fruits weighing 8-12 oz. Best grown on stakes. Rave reviews nationwide. Tolerant ASC, FW 1-2, N, St, TMV, TSWV, V, Fresh mkt, U-Pick, Gdn.

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More Large Round
Indeterminates

4417 Chef's Choice Black F1 75 days. Indeterminate. Produces large hands of medium sized, 5.5oz intense red fruit, 5-6 the cluster. Excellent disease package. Resistant FW, TMV, V. Tolerant TYLC, N. Greenhouse or open field, cluster tomato, Fresh mkt, Shipping. Mountain/Southwest.

4421 Chef's Choice Green F1 90 days. Green ripe type. 9-10 oz fruit. Exterior is beautiful deep green, crack resistant. Subtle golden stripes develop with maturity. Flesh stays green even when ripe, just right for fried green tomatoes. Firm meaty interior with outstanding flavor, sweet with tangy citrus tones. Vine grows 2' and up. Multiple disease package promotes a beautiful deep green plant and high yield potential. Tolerant ASC, TMF, V, Scab. Fresh Mkt, Specialty, Restaurant, Roadside.

4423 Chef's Choice Orange F1 75 days. AAS Winner 2014. Bright neon-orange flesh and skin which retains color in cookery. Very fine fresh sweet flavor. Good acid balance. Meaty flesh has small locules and nice firm texture. Heirloom hybrid derived in trials, up to 20 per plant, with 16 oz fruit at peak season when kept picked. Fruit is flat round with heirloom boat shape. Large determinate habit to 5ft spreading 2ft. Benefits from some trellising. Tolerant A, TMV, Cracking, Fresh mkt. chefs, Bedding.

4543 Mountain Rouge F1 73 days. Truly wow! taste. Full of robust flavors, lots of acid, sugar and rich undertones. Nationwide trial sites reported consistent, large harvests of big, 12-14oz pink beefsteak tomatoes. Fleshy fruit with few seed, small locules, restricted core. Vigorous indeterminate plants reach 4-6' on trellis and are capable of long extended harvest, enabled by tolerance to late blight. Sets well even in wet weather. Tolerant FW, LB, N, V, Fresh mkt. Northeast, Southeast, Heartland.

4550 Pamella F1 85 days. Large (7-7.5 oz) globe-shaped red fruit. 6-way disease protection, more than any other large-fruited tomato of our knowledge. Suitable for greenhouse or field culture. Vigorous vine develops strong leaf canopy for protection against sunscald and provides opportunities for large potential yields. Tolerant FW 2, N, TMV, TSWV, TYLC, V.

4572 Rubee Dawn F1 57 days. Large, firm 8-12 oz fruit with good Zing flavor balance of sweet & tart. VERY EARLY! 3-4 ft plants with amazing disease package yield over a long season and offer potential for high yield. Deep red globe shaped exterior. Resistant ASC, FR, FW 1,2, LM A-E, ToMV 0,1, V Tolerant N, St. Fresh mkt. Shipping.

4573 Rubee Goddess F1 65 days. Large firm 8-10 oz fruit with mild balanced flavor, thick walled flesh, deep red inside and out, with green shoulders and smooth flattened globe shape. Compact-to-midsize plants with VERY Broad disease package including Late Blight, show potential for high yields over a very long harvest season. Resistant ASC, FR, FW 1,2, LB, LM A-E, ToMV 0,1, V Tolerant N, St. Fresh mkt. Shipping.

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Email: twilley@twilleyseed.com Fax: 864-227-5108
Clustering Types

4474 Carina F1 76 days. Intense red 5-6 oz fruit borne in clusters of 5-6 fruits per hand on vigorous indeterminate plants. Best replacement for Red Eclipse. Resistant FW, ToMV, V, Tolerant N, TYLC. Greenhouse or field production. Fresh mkt or shipping.

4494 Juliet F1 60 days. Indeterminate. Early, producing glossy deep red ripe 1 oz x .75” fruits in about 60 days from transplant. Oblong grape-like shape. Clusters like grapes on a vine. Holds on the vine with less cracking than most. Vine is 5-6 ft.

Campari Type

4540 Mountain Magic F1 72-75 days from transplant. Flavor, uniformity and disease resistance in a high-sugar Campari-type. Produces round to deep round 2 oz fruit on somewhat compact plants. Fruits are flavorful, highly crack resistant and uniformly red inside and out, with a long shelf life. Flavor stands up in taste comparisons with heirloom varieties. Tolerant EB, LB, FW 1-2, V 1-2.

Plum/Roma/Saladette Types

4439 Early Resilience F1 Up to 25 fruit per plant 3.5 oz blocky, rounded Roma fruit. Excellent flavor and deep red color. Surpassed the comparisons in nationwide trials. Blossom end resistance enables high harvest of usable fruit from bushy 2ft vines. Flesh good quality for canning and cooking. Tolerant V 1, FW 2, ASC, Clavibacter, Xanthomonas, LB. Fresh mkt.

4479 Hybrid 46 F1 High quality Roma type. Determinate. Large, elongated, cylindrical fruit, very uniform size and shape. Jointless and uniform green ripening. Sets fruit up the plant, well protected by heavy leaf canopy. Widely adaptable across eastern U.S. and Mexico. Resistant ASC, FW 1-2. FR, N, St, ToMV 0-2, V 1. Tolerant BlB. Fresh Mkt, Shipping. Garden.

4507 Marinara F1 80 days. Large Roma type; 4-5 oz fruit that fits your palm. Wonderful flavor, vigorous determinate habit and superb broad disease package, capable of high yields in many areas. Much needed addition to the large-Roma category. Tolerant FW 1.2. N, ToMV, TSWV, TYLC, V.

4521 Mochomo F1 80-85 days. Roma type. 6 oz fruit. Suitable for greenhouse and field production. Dark red fruit with dense flesh. Strong foliar development provides excellent protection from sunburn. Strong, compact, indeterminate vine with superb disease rating capable of high yields. Tolerant FW 3, TMV, TSWV, TYLC, V.

4558 Plum Regal F1 80 days. Determinate Roma type with superb disease package & high potential yield of large fruit 3-3.5” x 2-2.25” and 9-10 oz. Strong determinate providing dense foliage cover for fruit. Deep red interior and very small blossom scar. Resistant V, FW 1-2, TSWV, LB. Tolerant EB. High Resistant Graywall, Cracking, Fresh Mkt, Vine-ripe or Shipping at Mature Green Harvest.

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
**More Cherry Types**

**4470U Honeybee F1** 60 days. Large determinate semi-vining yellow cherry. Extra sweet, 1” round, golden yellow fruit set in multiple branching clusters. Large 4-6 ft determinate vines, Fruit counts of dozens at a time were noted in trials. Best replacement for Sun Sugar. Fresh Mk, Regional Shipping, Cello, Salad Bar, Restaurant.

**4481U Jasper F1** 60 days. Rich sweet flavor & good firm flesh. Holds well on vine and tends to retain fruit quality well post-harvest. Extended crop season and durability through weather problems. Potential for high yield is supported by nice disease package, including both Early and Late Blight tolerances. AAS trials showed wide adaptability. Indeterminate vines grow over 2’, excellent for staking; produces hundreds of 0.3 oz fruits averaging 0.75”. Tolerant EB, FW 1-2, LB. Fresh Mk, Restaurant Special, Salad Packs.

**4569U Lizzano F1** AAS Winner 2010. 63 days. Low growing busby semi-determinate to 18”. Very sweet 1” baby cherries, avg just under 0.5 oz. Tested at 7.0% Brix. Abundant fruit set over long season. Tolerant LB. Fresh Mk. Low Staking, Home Gdn, Basket, Bedding.

**4512 Midnight Snack F1** 68 days. Indeterminate indi-go tomato ripens from red to glossy black-purple at maturity when grown in strong light. Color is due to high levels of anthocyanin pigment, a healthy antioxidant. 5-6 ft vines produce large trusses. Fruits avg 0.5 oz and 1.5” diam. Up to 100+ fruit per plant were counted in nationwide trials. Ripens all season long with sweetly balanced, juicy flavor. Fresh Mk, Restaurant, Gourmet Salad.

**4564U Super Sweet 100 VF F1** 45 days. Compact determinate plant bears masses of bright yellow 0.5 oz, 1” diam fruit in trusses that cover the deep green leaf canopy. Sweet and mildly acidic. Judges reported 100+ fruits per plant in national trials. V, F, TMV Gdn Plant Sales, Container.

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<td>2.65</td>
<td>17.15</td>
<td>26.95</td>
<td>39.35</td>
<td>39.00</td>
<td>38.10</td>
<td>37.20</td>
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<tr>
<td>4564</td>
<td>Super Sweet 100 VF</td>
<td>1.85</td>
<td>14.15</td>
<td>20.55</td>
<td>26.30</td>
<td>25.65</td>
<td>24.95</td>
<td>24.30</td>
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<tr>
<td>4606</td>
<td>Sweet Treats</td>
<td>14.25</td>
<td>96.00</td>
<td>152.40</td>
<td>244.20</td>
<td>236.45</td>
<td>230.50</td>
<td>225.70</td>
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<tr>
<td>4617</td>
<td>Yellow Canary</td>
<td>3.00</td>
<td>23.15</td>
<td>38.85</td>
<td>67.50</td>
<td>60.75</td>
<td>56.25</td>
<td>53.75</td>
<td>51.20</td>
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</tbody>
</table>

**Fantastico F1**

Super Sweet 100 VF F1

4569 Red Robin F1 55 days. Compact branching plant for container sales. 8”. Profuse tight clusters of glossy bright red 1” round-oval fruit with nice sweet-acid flavor. Dense foliage covers well to protect fruit.

4584 Super Sweet 100 VF F1 65 days. Indeterminate. Improved Sweet 100 with disease tolerance. Small, round, red fruits have very sweet flavor, high Vitami n C content; borne in long, hanging clusters of up to 100 fruits each, productive. Tolerant FW, V, F, Fresh Mk.

4606 Sweet Treats F1 66 days. Uniquely delicious pink cherry tomato. Very sweet and richly flavored with excellent firm texture. Capable of prolific extended yield due to resistance to a broad range of 5 diseases. Round 1-oz cherry fruit are deep pink inside. Smooth exterior. Resistant LM; FW 1,2, ToMV 0,1. Tolerant FR. Fresh Local Mk, Restaurant, Garden Plant Sales.

4617 Yellow Canary F1 55 days. Small determinate 1” round canary yellow cherry. Ornamental edible for containers and baskets. Very compact, vigorously branching plants. Early, abundant yields of sweet tasty fruit. Gdn Plant Sales.

**Grape Types**

**4441U Fantastico F1** 60 days South, 75 days North. Patio tomato with miniature plum fruit. Produces large numbers of small blocky flat oval fruit weighing from 0.5 to 0.6 oz, about 1.25” x 1”. Quite sweet at 9-10% Brix, but firm and showing excellent shelf life in the AAS trials. Stem length is about 30” staked. Plants trail to about 20” in basket and stand about 10” unsupported. Some of the AAS trial sites recorded picking sweet ripe fruit as late as Dec. in areas with late frost dates. Tolerant LB. Fresh Local Specialty, Restaurant, Garden and Container Plant Sales.

**4454U Gabrielle F1** 60 days. ½-¾ oz. Classic round-oval grape shape, just the right size for one-bite eating. Exceptional high-brix flavor. Loads of small fruit in big clusters.
Sweet Canary F1

More Grape Types

4462 Gold Spark F1 65-70 days. Beautiful 1/2 oz canary yellow fruit borne in generous bunches on vigorous medium-size indeterminate plants. Fruit is firm with great flavor and excellent shelf life. Breeder’s trials indicate high yield potential. Works well in both open field or hoop house production, or low-tech hydroponics. Breeder’s advice is to prune ground suckers 2” from ground. Resistant ToMV 0-2.

4579 Sun Bliss F1 65 days. Semi-determinate. Golden grape tomato with vigorous plant and prolific harvest of very sweet .7-.9 oz fruit. Color is pure golden. Tolerant TMV V Fresh Mkt, Celosia pack.

4586 Sweet Canary F1 62-65 days. Semi-determinate, deep gold .5oz grape tomato. Early sweet & firm.

4602 Sweet Hearts F1 73 days. Large indeterminate, productive vine bears large hands of firm extra sweet 0.25 oz fruit. Brilliant red, uniform grape shape and size. High yield potential with continuous set of full clusters to top of plant. High Brix & above-average shelf life. Resistant TMV 0-2.

Heirloom Trait Hybrid

4458 Grandma’s Pick F1 70-80 days. Indeterminate. Strong growing Heirloom-trait hybrid gives the best of tradition productivity. Large 10-14 oz fruit are intensely flavored, gnarly, lobed, contorted and deep crimson. Highly flavored and high in lycopene. Can be cropped like regular hybrids for fresh market produce. Tolerant V FW 1, N 1, St. Fresh Mkt, Home Gdn.

4563 Purple Boy F1 65-70 days. Heirloom taste in a modern disease tolerant hybrid branching indeterminate habit. Skin is red with purple tones. Interior is red fleshed with purplish locules. Good disease package gives good chances for plenty of yield. Prune aggressively. Resistant FR 0, FW 0, ToMV 0-2. V 0. Tolerant N. Fresh Mkt, Roadside.

Tomatillo

4349U Toma Verde 100 days. Indeterminate. Used in a variety of Mexican and American dishes and salads. To enjoy the tart flavor harvest while still green (before they turn yellow). Globe-shaped 2-3 oz fruit is enclosed in a thin husk which should be removed before the fruit is used or consumed. Large fruited variety; widely adapted. Approx 15,000 sds./oz. Similar culture to tomatoes.

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l) 79
### Rutabaga
*(Brassica napus, Napobrassica Group)*

Approx. 12,000 seeds. Pkt plants 25-30’ of row; ½ oz sows 100’. Direct sow 1-2 lbs/acre. Sow sd ½-¾” deep, 2-4” apart in rows 12-26” apart. Germs in about 9 days. Days to maturity are from sowing.

#### 3980U American Purple Top
90 days. High quality, selected strain. Large round roots are deep purplish red above, yellow below; small tap root. Fine-grained flesh is firm, crisp, mild and sweet. Small tops, short necks.

#### Turnip
*(Brassica rapa, Rapifera Group)*

Approx. 15,000 seeds. Pkt plants 40’ of row; ½ oz sows 100’. Direct sow 1-2 lbs/acre. Sow sd ½-¾” deep, 2-4” apart in rows 12-36” apart. Germs in about 7 days. Days to maturity are from sowing.

#### Hybrids

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Turnip</th>
<th>1/8 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1/2 lb</th>
<th>1 lb</th>
<th>5 lb (per lb)</th>
<th>10 lb (per lb)</th>
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<td>1.65</td>
<td>12.75</td>
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<td>130.30</td>
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<td>4659 &amp; 4659U</td>
<td>Tokyo Cross F1</td>
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<td>80.45</td>
<td>139.70</td>
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<td>47.95</td>
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<td>140.00</td>
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<td>White Lady F1</td>
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<td>23.00</td>
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<td>251.90</td>
<td>235.00</td>
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#### Open Pollinated

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<th>Cat#</th>
<th>Turnip</th>
<th>1/8 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1/2 lb</th>
<th>1 lb</th>
<th>5 lb (per lb)</th>
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<tr>
<td>4634U</td>
<td>Purple Top White Globe</td>
<td>1.75</td>
<td>2.20</td>
<td>2.65</td>
<td>3.85</td>
<td>5.15</td>
<td>4.85</td>
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<tr>
<td>4649U</td>
<td>Seven Top</td>
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<td>2.05</td>
<td>2.45</td>
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<td>4.75</td>
<td>4.45</td>
<td>4.20</td>
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</tbody>
</table>

4644 Royal Crown F1 40 days. Improved hybrid of Purple Top White Globe type. Tops are taller, more erect and deeper green, with more intense deep purple color on flat, globe shaped root crowns. High yield potential of uniform roots and quality dark greens. Regrows rapidly after cutting and hold well in field. Roots harvested at 3-6” average 14 oz., are sweet, smooth textured, resist pithiness until late in the season. Thick strong stems to 24”. Fresh Mkt, Roadside, Shipping.

4659 & 4659U Tokyo Cross F1 35 days. Early harvest of high quality. Perfectly globe-shaped roots are pure white, smooth; 2” roots ready in only 35 days. Plant closely and reduce nitrogen fertilizer. Plants can be harvested over longer period; roots grow up to 6” without pithiness.

4664 Topper F1 36 days for greens. 80 days for roots. Very heavy-yielding. Seven Top type. Vigorous tops up to 28”; thick, smooth, lobed leaves are broad and dark green.

4669 White Lady F1 28-35 days. Sweet, tender and delicious. Medium-size, pure white roots are flat-topped-round, slow to get pithy. Bright green tops to 20”. Harvest roots at any stage. Plants resist bolting.

#### Just Right F1
20 days for greens; 35 days for roots. Dual purpose type best for fall planting. Produces glossy, tender leaves for greens; or grow on for roots. Snow white flesh. High yield potential of uniform roots and quality dark greens. Regrows rapidly after cutting and hold well in field. Roots harvested at 3-6” average 14 oz., are sweet, smooth textured, resist pithiness until late in the season. Thick strong stems to 24”. Fresh Mkt, Roadside, Shipping.

#### Open Pollinated

4634U Purple Top White Globe 55 days. Improves strain. Uniform, smooth, attractive roots with purple and white skin. Fine-grained, tender white flesh.

4649U Seven Top 45 days. For greens only. Produces large quantities of tender, flavorful leaves for greens, forage.

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Email: twilley@twilleyseed.com  Fax: 864-227-5108
Important Notice To Watermelon Seed Buyers

Please read the important information on the back of the order blank. We must have your signature on the order form if you are going to order more than 1,000 seeds or 1 lb of a variety.

Waiver concerning all watermelon seed purchased from Otis S. Twilley, Inc.
(Growers, Brokers, Packers/Shippers)

In addition to the Twilley waiver agreement, a Nunhems waiver agreement must be signed for any Nunhems watermelon variety marked with the following symbol. A Nunhems waiver form is in the centerfold of this catalog, and these forms can be downloaded from our website: www.twilleyseed.com.

We want to advise you that the bacterial fruit blotch disease of watermelons has again appeared in watermelon fields in many watermelon producing areas. This disease has been periodically reported since its initial detection in 1989. Losses from this bacterial disease have ranged from minor to as high as 100% of the marketable fruits.

The causal agent of the fruit blotch disease appears to be closely related to Acidovorax avenae subsp. citrulli (synonym: Pseudomonas pseudoalcaligenes subsp. citrulli). The pathogen could be seedborne from the original seed lot, or result from other host infection. The disease has attacked many varieties of watermelon from different seed producers.

Although new testing procedures are currently under development, it is impossible to conduct any test procedures that will give 100% reliable results with regard to the identification of any seed-borne watermelon fruit blotch infections. Work is being done by public and private researchers, seed companies and growers, to determine improved identification and control measures and to develop statistically reliable testing procedures.

Work is also being done to determine if different varieties of watermelon, both diploid and triploid, have any level of resistance or tolerance to this disease. No varieties to date have been identified as having any significant level of resistance.

The symptoms on young seedlings appear as dark water-soaked lesions on the lower surfaces of the cotyledons or the true leaves. These initial water-soaked lesions later turn necrotic and may also have chlorotic halos surrounding the dead tissues. The lesions will also often appear on the hypocotyls of young seedlings, resulting in the withering and death of these young plants. The most dramatic and destructive phases of this disease are the fruit infections that occur much later in the growing cycle. The lesions on the top surface of the fruits appear as small, water-soaked areas, which under the right conditions of high temperature and humidity, enlarge rapidly to cover most of the surface of the fruits. Fruit decay often follows. This later condition of the disease cycle could lead to significant economical losses to the grower.

In cases where the pathogen is carried in the seed, the typical lesions described above will appear on the young seedlings within 7 days after seedling emergence. If no symptoms are observed on the young seedlings within three weeks after emergence, it is unlikely that the bacterium is carried on the seed and that any subsequent infection is most likely from other sources. It is imperative that each grower inspect the young plants during this early stage, in order to determine the presence or absence of these symptoms and to mitigate any potential economical losses.

Caution: Symptoms that appear on plants in the early stages of growth, and especially those symptoms caused by secondary infections, may not be evident on new foliar parts as the plants develop. The pathogen, however, may still be alive in infected tissues, and may infect the fruits if favorable conditions of temperature and humidity prevail. Do not retain any plants that show any symptoms at any time.

Growing Triploids

If you grow for fresh market, triploid F1 watermelons are a crop you can count on to attract plenty of attention. They are wavier than diploid varieties, and bring high prices wherever they’re marketed. The flesh is absolutely tops in eating quality, market preference and consumer demand. No seeding necessary! And cut fruit displayed in shrink wrap is a sure seller.

Sometimes incorrectly referred to as "seedless", triploids are sterile hybrids which, because of their genetic makeup, characteristically produce fruit with few or no true seeds. Sometimes cultural practices or weather conditions may result in fruit with some vestigial seeds or empty white seed coats. Because of this, triploid F1 watermelons are not guaranteed to produce seedless fruit.

A special note to growers of triploid F1 watermelons: Please follow careful practices to grow triploid F1 watermelons successfully. We supply detailed growing instructions with your seed. For best results, we suggest starting seed in the greenhouse in peat pellets (on page 113) 3 weeks before outdoor planting time. Because of their genetic makeup, triploid F1 watermelons must be planted with a diploid (regular hybrid or open-pollinated) variety as a pollenizer in order to assure fruit set. Approximately 600 pollenizer per acre.

Days to maturity are from transplant.

Special Limitation of Warranty

TRIPLOYD HYBRID WATERMELONS

A. NOTICE: Hybrid triploid watermelons are sterile, or true, hybrids which characteristically produce fruits with few or no true seeds. Because the absence, or relative absence, of "hard" or true seeds in the fruit of the melon is its chief distinguishing characteristic, the hybrid triploid watermelon is often referred to as a "seedless" watermelon. Despite the popular perception, hybrid triploid watermelons are not true "seedless" watermelons. The first melons to ripen in a field of hybrid triploid watermelons often contain small, vestigial seeds. In addition, certain genetic, cultural and climatic factors are known to cause the formation of empty seed coats, small, white, immature seeds and/or hard seeds in the flesh of the melons. Due to the wide variety of possible causes of hard seed or ovule formation, Hybrid triploid watermelons are not guaranteed to produce seedless fruit.

Hybrid triploid watermelon production requires a high level of grower sophistication. Hybrid triploid watermelons require a pollen source and bees to serve as pollen vectors. The general rule is one pollinator plant for every 3-4 seedless plants. Hybrid triploids also require special care for satisfactory germination. Growers are encouraged to contact university extension personnel for government publications and information concerning recommended cultural practices. Otis S. Twilley Seed Co., Inc. can also supply certain information on request. Growers are encouraged to develop expertise in growing hybrid triploid watermelons prior to instituting large-scale commercial production.

B. SPECIAL LIMITATION OF WARRANTY: All hybrid triploid watermelon seeds are sold pursuant to Otis S. Twilley Seed Co., Inc.’s standard terms and conditions of sale. Descriptions and illustrations of hybrid triploid watermelons appearing (in the seed catalog and elsewhere) represent hybrid triploid watermelons as grown under favorable growing conditions in favorable growing areas. Appearance and performance may vary in other geographic locations and under different growing conditions. Otis S. Twilley Seed Co., Inc. expressly excludes any warranty of conformity to description, illustration or sample and extends no warranty that the hybrid triploid watermelon seed sold will produce "seedless" fruit. All implied warranties, including but not limited to any implied warranties of merchantability and fitness for a particular purpose, are expressly excluded.

C. For Nunhems triploid watermelons marked with the following symbol: There is a Nunhems triploid waiver agreement in the centerfold of this catalog and also available for download from our website: www.twilleyseed.com. You can also contact us for a copy.
### Watermelon Triploid (Citrullus lanatus)

Please reference page 81 for complete information on growing triploid watermelons.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days (from transplant)</th>
<th>Size</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td><strong>Red Fleshed</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4885 Arcadia F1</td>
<td>88-90</td>
<td>23 lbs</td>
<td></td>
<td>Tolerant A-1, F 0-1</td>
<td>Flesh is dark red, very crisp. Sweet, rich flavor. Extra firm makes it an excellent candidate for cut melon market. High yield potential reported. Fresh Mt, Shipping, Contract Growing.</td>
</tr>
<tr>
<td>4874 Belmont F1</td>
<td>90</td>
<td>6-10 lbs</td>
<td></td>
<td></td>
<td>Miniature size range. Round-oval fruit weighs 6-10 lb. Vivid deep red flesh is extra firm &amp; crispy, with very small pips. Highly contrasting rind is clean bright white. Crimson Sweet type rind appearance, mid green with broad deep stripes. Vine is vigorous growing and strong with high yield potential of multiple fruit per plant. Use an early pollinator variety. Fresh local Mt, Garden Plant Sales, Sale wrapped.</td>
</tr>
<tr>
<td>4883 Charismatic F1</td>
<td>83</td>
<td>16-20 lbs</td>
<td></td>
<td></td>
<td>New generation breeding from Sakata. Early. Consistent yields with good cold-setting ability. Flesh very crisp, dense, sweet and bright red with inconspicuous pips. Rind has dark green stripes on mid-green background, with bright white shell providing sharp demarcation around flesh. Widely adapted. Major market appeal. Use an early pollinator for best results. Strong vigorous vines provide excellent yield potential. Best sub for Affirmed when needed.</td>
</tr>
<tr>
<td>4872 Eclipse F1</td>
<td>80</td>
<td>10-12 lbs</td>
<td></td>
<td>Tolerant A, F 1</td>
<td>Seedless sugar baby type. Round-oval, shiny black green exterior. White inner rind crisply defined in sharp contrast to intense red flesh. Potential for high yields. Excellent flavor, very sweet and with aromatic undertones. Customers have been asking for Eclipse. Fresh Mt, Shipping, Wrapped slices.</td>
</tr>
<tr>
<td>4876 Fascination F1</td>
<td>83</td>
<td>16-20 lbs</td>
<td></td>
<td></td>
<td>Crimson Sweet type rind. Interior is dark red and firm with small pips. Performed well in yield trials across major watermelon areas of U.S. Good uniformity of size and shape. Fresh Mt, Fresh Cut, Cello Pack, Shipping.</td>
</tr>
<tr>
<td>4877 Harvest Moon F1</td>
<td>80-100</td>
<td>18-20 lbs</td>
<td></td>
<td></td>
<td>This is a seedless hybrid with the mottled rind pattern of the old “Moon &amp; Stars” heirloom. Crisp flesh can hold well on vine and after harvest. Compact 3-5’ vines. Averages 3-4 fruit per plant.</td>
</tr>
<tr>
<td>4875 Joy Ride F1</td>
<td>80-85</td>
<td>19 lbs</td>
<td></td>
<td>Tolerant F 1</td>
<td>Widely adapted. 2015 Southeast &amp; Midwest trials resulted in superior avg scores for sweetness, firmness, recorded yield and low percent Hollow Heart. Uniform fruit set. Vigorous vines make dense canopy for sun protection. Fresh Mt, Shipping, Cut Fruit Cello Pack.</td>
</tr>
<tr>
<td>4879 Kingman F1</td>
<td>85</td>
<td>18-22 lbs</td>
<td></td>
<td></td>
<td>Top performer in university trials, including highest total and highest 36-count yields at UGA. Crimson gene type with extremely bright red flesh. Firm and crisp with small pips.</td>
</tr>
<tr>
<td>4880 Lamar F1</td>
<td>83</td>
<td>12 lbs</td>
<td></td>
<td>Resistant FW</td>
<td>Sugar Baby type. Flesh is bright red, sweet, clean flavored. Sharp boundary between flesh and hard white inner rind creates appealing look. Vigorous vines give potential for heavy crops. Excellent For Cut Fruit Sales. Fresh Mt, Roadside, Shipping.</td>
</tr>
<tr>
<td>4886 Melody F1</td>
<td>60</td>
<td>14-16 lbs</td>
<td></td>
<td>Tolerant A 1</td>
<td>Growers have been asking for this variety. Great earliness. Deeper color than most triploids. Breeder trials indicate capability for heavy, concentrated fruit set under cool conditions. Good eye appeal. Fresh mt, Shipping.</td>
</tr>
<tr>
<td>4892 Revolution F1</td>
<td>84</td>
<td>18-24 lbs</td>
<td></td>
<td>Tolerant A 0-1, FW 0-1</td>
<td>Classic Allsweet rind pattern. Interior is intense dark red with texture. High brix levels. Vigorous vines with broad dense foliage provide strong fruit protection. Melons handle well in local mkt and in shipping. Fresh Mt, Shipping, Cut Fruit Cello Pack.</td>
</tr>
<tr>
<td>4893 &amp; 4893U Ruby F1</td>
<td>85</td>
<td>15 lbs</td>
<td></td>
<td>A 0-1, FW 1-3</td>
<td>Crisp, sweet red flesh. Small pips. Sharp internal contrast at flesh-rind boundary. Strong waxy rind improves retention of color and quality. Commercial, Fresh Mt.</td>
</tr>
<tr>
<td>4894 Secretariat F1</td>
<td>80</td>
<td>26-20 lbs</td>
<td></td>
<td></td>
<td>Crimson Sweet type rind. Early maturing with good cold setting ability and high yield potential. Crimson gene type with deep red flesh.</td>
</tr>
<tr>
<td>4895 Summer Breeze F1</td>
<td>80-85</td>
<td>16 lbs</td>
<td></td>
<td>Resistant A, Tolerant FW</td>
<td>Tests from 2015 SE trial locations recorded high readings for sugar and firmness as well as high yield potential. Has the desirable combo of red traits: thin but very strong for shipping</td>
</tr>
<tr>
<td>4920 SuperSeedless® Brand Variety 7387 F1</td>
<td>93</td>
<td>17-22 lbs</td>
<td></td>
<td>Tolerant A</td>
<td>Dark red flesh with small pips. Excellent fresh cut or shipped. Strong vines with high yield potential. Fresh Mt, Fresh Cut, Shipping.</td>
</tr>
<tr>
<td>4921 SuperSeedless® Brand Variety 7167</td>
<td>90</td>
<td>14-18 lbs</td>
<td></td>
<td>Tolerant A 1</td>
<td>High yield potential of quality deep red-fleshed fruit. Vines have very large leaves for good sun protection.</td>
</tr>
<tr>
<td>4915 SVØ24IWA F1</td>
<td>80</td>
<td>12-13 lbs</td>
<td></td>
<td>Resistant A 1, Tolerant FW 1</td>
<td>Excellent yield among triploids at 2012 NC State trial. Vibrant, deep shiny red flesh. Firm, sweet &amp; crisp. Very small pips. Vigorous vines are strong against disease &amp; provide late-season cover to protect fruit. Fresh Mt, Fresh Cut, Shipping.</td>
</tr>
<tr>
<td>4918 Sweet Eat’n F1</td>
<td>85</td>
<td>18-24 lbs</td>
<td></td>
<td>Tolerant A, F</td>
<td>Very large for a seedless variety. High indexes for sugar and fiber content result in firm, extra sweet eating. Thin but tough rind makes it an excellent shipper.</td>
</tr>
<tr>
<td>4945U Triple Baby F1</td>
<td>75</td>
<td>5-7 lbs</td>
<td></td>
<td></td>
<td>Sugar Baby type in size and color but with triploid advantages of high sugar and long shelf life. To achieve small personal sized fruit, transplant small plants 20-24” apart with a pollinator every 5th or 6th plant. Any oval diploid variety is recommended as the pollinator.</td>
</tr>
</tbody>
</table>

Approx. 400-500 seeds/oz = approx 7,200 / lb
**Watermelon Disease Codes**

- **A**: Anthracnose & race #’s
- **F**: Fusarium Wilt
- **GSB**: Gummy Stem Blight
- **PM**: Powdery Mildew & race #’s

<table>
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<tr>
<th>Cat#</th>
<th>Watermelon Variety</th>
<th>10 sd</th>
<th>50 sd</th>
<th>100 sd</th>
<th>500 sd</th>
<th>1000 sd</th>
<th>5 M (per M)</th>
<th>10 M (per M)</th>
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<tbody>
<tr>
<td>4885</td>
<td>Arcadia</td>
<td>5.75</td>
<td>22.80</td>
<td>36.50</td>
<td>147.60</td>
<td>241.15</td>
<td>229.70</td>
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<tr>
<td>4874</td>
<td>Belmont</td>
<td>5.95</td>
<td>23.60</td>
<td>37.80</td>
<td>152.90</td>
<td>249.85</td>
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<tr>
<td>4883</td>
<td>Charismatic</td>
<td>3.25</td>
<td>12.90</td>
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<td>4872</td>
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<td>58.15</td>
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<tr>
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<td>316.50</td>
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<tr>
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<td>24.15</td>
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<td>300.90</td>
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<td>275.85</td>
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<tr>
<td>4919</td>
<td>Sweet Eat’n</td>
<td>4.50</td>
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<td>28.75</td>
<td>116.30</td>
<td>141.40</td>
<td>137.05</td>
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</tr>
<tr>
<td>4945U</td>
<td>Triple Baby</td>
<td>5.45</td>
<td>21.55</td>
<td>34.50</td>
<td>139.55</td>
<td>195.00</td>
<td>189.00</td>
<td>--</td>
</tr>
</tbody>
</table>
# Watermelon Triploid

Approx. 400-500 seeds/oz – approx 7,200 / lb

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Size</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow Buttercup F1</td>
<td>80</td>
<td>10-12 lbs</td>
<td></td>
<td>Tolerant F 1-2, PM 1</td>
<td>Ice Box size. Firm crispy sweet yellow flesh. Attractive tiger stripe rind pattern. Good Disease tolerance gives chance of high yield. Fresh Mkt, Shipping, Garden Ctr Sales, Restaurant.</td>
</tr>
<tr>
<td>Yellow Buttercup F1</td>
<td>90</td>
<td>14-16 lbs</td>
<td></td>
<td></td>
<td>Bright yellow flesh, Jubilee rind type with sharply defined dark green tiger stripe.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Watermelon (M=1000)</th>
<th>10 sd</th>
<th>50 sd</th>
<th>100 sd</th>
<th>500 sd</th>
<th>1000 sd</th>
<th>5 M (per M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4881</td>
<td>Lemon Ice F1</td>
<td>7.15</td>
<td>28.40</td>
<td>45.55</td>
<td>184.20</td>
<td>287.65</td>
<td>278.80</td>
</tr>
<tr>
<td>4954</td>
<td>Yellow Buttercup F1</td>
<td>8.05</td>
<td>31.65</td>
<td>50.20</td>
<td>201.20</td>
<td>325.50</td>
<td>315.50</td>
</tr>
</tbody>
</table>

## Watermelon Diploid

Approx. 200-300 sd/oz for large-seeded types (500 sd/oz for small-seeded types). F1 packets contain 25 sd; o.p. packets produce 6-10 hills; 3½ lb produces approx. 10,000 plants (1½-2 lbs if small-seeded). Germs in about 8 days. Set plants 24-36" apart in rows 72-96" apart (closer for bush types). Days to maturity are from transplant.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Size</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allsweet Types - Red Flesched</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4679U Allsweet</td>
<td>90</td>
<td>25-30 lbs</td>
<td></td>
<td>Tolerant A 1-3, FW</td>
<td>A classic, Bright red flesh, high sugar content, exceptional firmness. Shipping.</td>
</tr>
<tr>
<td>4737 Estrella F1</td>
<td>80</td>
<td>20-24 lbs</td>
<td></td>
<td>Tolerant A, FW</td>
<td>Vigorous vines, large leaves for great protective canopy. Has performed well in all watermelon areas needing early maturity. Can be use in frost-free winter production. Fresh mkt, shipping, cut &amp; wrapped.</td>
</tr>
<tr>
<td>4749 Jamboree F1</td>
<td>88</td>
<td>23-27 lbs</td>
<td></td>
<td>Tolerant A, F</td>
<td>Allsweet type with advantages for cool season production or when growing conditions limit size. Bright red flesh, firm texture. Rind has a waxy exterior and skin is somewhat grey, making it more tolerant to sunburn. Fresh Mkt, Roadside, Shipping, Garden.</td>
</tr>
<tr>
<td>4794 &amp; 4794U Sangria F1</td>
<td>85</td>
<td>20-26 lbs</td>
<td></td>
<td>Tolerant A 1, Resistant FW</td>
<td>Sweet and refreshing. Dark red flesh with unsurpassed eating quality. Fresh Mkt, Garden, Shipping.</td>
</tr>
<tr>
<td>4835 Summer Flavor® Brand Variety 720 F1</td>
<td>85</td>
<td>28-30 lbs</td>
<td></td>
<td>Tolerant A 1</td>
<td>Excellent shape and size. Medium to large vines with high yield potential. Sweet, bright red flesh.</td>
</tr>
<tr>
<td>4841 Summer Flavor® Brand Variety 840 F1</td>
<td>93</td>
<td>22-26 lbs</td>
<td></td>
<td>Tolerant A 1, F 1</td>
<td>Deep red flesh. Large vigorous vine. Potential for high yield.</td>
</tr>
<tr>
<td>Charleston Grey - Red Flesched</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4708U Charleston Grey</td>
<td>83</td>
<td>26-33 lbs</td>
<td></td>
<td>Tolerant A, FW</td>
<td>Rind characterized by distinctive, marbled light green color. Bright red flesh is very sweet. Good shipper.</td>
</tr>
</tbody>
</table>
### Summer Flavor® 790 HQ F1

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Watermelon</th>
<th>1/4 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1/2 lb</th>
<th>1 lb</th>
<th>5 lb (per lb)</th>
<th>10 lb (per lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4679U</td>
<td>Allsweet</td>
<td>2.00</td>
<td>5.25</td>
<td>11.00</td>
<td>19.15</td>
<td>34.15</td>
<td>31.25</td>
<td>29.15</td>
</tr>
<tr>
<td>4708U</td>
<td>Charleston Grey</td>
<td>1.65</td>
<td>3.85</td>
<td>5.75</td>
<td>9.95</td>
<td>17.75</td>
<td>16.15</td>
<td>15.15</td>
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### Summer Flavor® 840 F1

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Watermelon</th>
<th>1/4 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1/2 lb</th>
<th>1 lb</th>
<th>5 lb (per lb)</th>
<th>10 lb (per lb)</th>
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</thead>
<tbody>
<tr>
<td>4737</td>
<td>Estrella</td>
<td>5.30</td>
<td>15.35</td>
<td>61.55</td>
<td>99.60</td>
<td>88.20</td>
<td>77.10</td>
<td>--</td>
</tr>
<tr>
<td>4749</td>
<td>Jamboree</td>
<td>5.70</td>
<td>15.00</td>
<td>60.15</td>
<td>97.35</td>
<td>86.20</td>
<td>75.35</td>
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</tr>
<tr>
<td>4794 &amp; 4794U</td>
<td>Sangria</td>
<td>5.85</td>
<td>15.45</td>
<td>61.95</td>
<td>100.20</td>
<td>88.75</td>
<td>77.60</td>
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</tr>
<tr>
<td>4835</td>
<td>Summer Flavor® Brand 720</td>
<td>10.25</td>
<td>26.80</td>
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<td>166.30</td>
<td>155.30</td>
<td>144.25</td>
<td>135.10</td>
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<tr>
<td>4839</td>
<td>Summer Flavor® Brand 790 HQ</td>
<td>6.65</td>
<td>17.45</td>
<td>69.20</td>
<td>110.85</td>
<td>103.50</td>
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<td>Summer Flavor® Brand 840</td>
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<td>17.45</td>
<td>69.20</td>
<td>110.85</td>
<td>103.50</td>
<td>96.15</td>
<td>90.10</td>
</tr>
</tbody>
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---

**To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)**
## More Watermelon Diploid

Approx. 200-300 sd/oz for large-seeded types (500 sd/oz for small-seeded types). F1 packets contain 25 sd; o.p. packets produce 6-10 hills; 3½ lb produces approx. 10,000 plants (1½-2 lbs if small-seeded). Germs in about 8 days. Set plants 24-36" apart in rows 72-96" apart (closer for bush types). Days to maturity are from transplant.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Size</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Crimson Types - Red Fleshe</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4730 Compadre F1</td>
<td>84</td>
<td>20-25 lbs</td>
<td></td>
<td>Tolerant A, FW, GSB</td>
<td>Firm red flesh. Strong vines have shown ability in trial to produce heavy set of quality fruit.</td>
</tr>
<tr>
<td>4796 Shiny Boy F1</td>
<td>90</td>
<td>20 lbs</td>
<td></td>
<td></td>
<td>Beat out comparisons in AAS taste tests. Sweet, tropical flavor with shiny rind. Vigorous vines can grow up to 12&quot;. AAS judges noted plants produce high yields tolerant of severe weather.</td>
</tr>
<tr>
<td><strong>Ice Box Types - Red Fleshe</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4701U Bush Sugar Baby</td>
<td>65</td>
<td>7 lbs</td>
<td></td>
<td></td>
<td>Very early with compact, determinate vines. Worth testing as pollinator of seedless types because of &quot;bush&quot; habit. Firm sweet red/orange flesh.</td>
</tr>
<tr>
<td>4744 Jade Star (Pata Negra) F1</td>
<td>75</td>
<td>15 lbs</td>
<td></td>
<td>Resistant F</td>
<td>Dark green rind contrasts beautifully with delicious bright red flesh. Small seeded. Note: Sold for export as Pata Negra. Fresh Mkt, Commercial, Shipping, Roadside, Garden.</td>
</tr>
<tr>
<td>4764U Mini Love F1</td>
<td>70</td>
<td>6-9 lbs</td>
<td></td>
<td>Tolerant A</td>
<td>AAS trials reported good yield for 4-6 melons per vine, shiny exterior with Crimson Sweet pattern. Thin but strong rind reported as not prone to cracking. Compact vines spread 3-4'. Fresh Mkt, Shipping, Garden Ctr Sales. No sales to South Carolina.</td>
</tr>
<tr>
<td>4799 Smile F1</td>
<td>80</td>
<td>6-8 lbs</td>
<td></td>
<td>Tolerant Fruit Cracking</td>
<td>High sugar and outstandingly tough rind. Excellent for long distance shipping. Withstands rough handling and wet ground prior to harvest. Stores up to 12 days after harvest. Long Distance Shipping, Garden, Roadside.</td>
</tr>
<tr>
<td>4809U Sugar Baby</td>
<td>84</td>
<td>6-7 lbs</td>
<td></td>
<td></td>
<td>Very popular type with good keeping quality. Distinctive dark rind is thin but fairly tough. Small seeded. This is the pollenizer we supply with most triploids.</td>
</tr>
</tbody>
</table>
## Watermelon Disease Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Disease</th>
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<tbody>
<tr>
<td>A</td>
<td>Anthracnose &amp; race #’s</td>
</tr>
<tr>
<td>F</td>
<td>Fusarium Wilt</td>
</tr>
<tr>
<td>GSB</td>
<td>Gummy Stem Blight</td>
</tr>
<tr>
<td>PM</td>
<td>Powdery Mildew &amp; race #’s</td>
</tr>
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</table>

## Watermelon Varieties

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Watermelon</th>
<th>1/4 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1/2 lb</th>
<th>1 lb</th>
<th>5 lb (per lb)</th>
<th>10 lb (per lb)</th>
<th>50 lb (per lb)</th>
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</thead>
<tbody>
<tr>
<td>4730</td>
<td>Compadre</td>
<td>3.75</td>
<td>11.55</td>
<td>46.20</td>
<td>66.00</td>
<td>59.55</td>
<td>53.65</td>
<td></td>
<td></td>
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<tr>
<td>4744</td>
<td>Jade Star</td>
<td>6.75</td>
<td>20.85</td>
<td>83.50</td>
<td>112.85</td>
<td>106.05</td>
<td>99.75</td>
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<tr>
<td>4764U</td>
<td>Mini Love</td>
<td>11.25</td>
<td>32.60</td>
<td>130.60</td>
<td>196.35</td>
<td>177.20</td>
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<td>4769</td>
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<td>4.65</td>
<td>14.30</td>
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<td>81.90</td>
<td>77.00</td>
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<td>4796</td>
<td>Shiny Boy</td>
<td>1.80</td>
<td>5.25</td>
<td>20.95</td>
<td>35.70</td>
<td>31.50</td>
<td>28.85</td>
<td></td>
<td></td>
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<tr>
<td>4799</td>
<td>Smile</td>
<td>2.20</td>
<td>6.75</td>
<td>27.00</td>
<td>39.65</td>
<td>37.90</td>
<td>36.30</td>
<td></td>
<td></td>
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<tr>
<td>4809U</td>
<td>Sugar Baby</td>
<td>1.60</td>
<td>2.70</td>
<td>9.00</td>
<td>15.85</td>
<td>28.50</td>
<td>26.00</td>
<td>24.25</td>
<td></td>
</tr>
<tr>
<td>4701U</td>
<td>Bush Sugar Baby</td>
<td>1.65</td>
<td>7.20</td>
<td>11.80</td>
<td>41.00</td>
<td>61.00</td>
<td>78.00</td>
<td>71.00</td>
<td></td>
</tr>
</tbody>
</table>
## More Watermelon Diploid

Approx. 200-300 sd/oz for large-seeded types (500 sd/oz for small-seeded types). F1 packets contain 25 sd; o.p. packets produce 6-10 hills; 3½ lb produces approx. 10,000 plants (1½-2 lbs if small-seeded). Germs in about 8 days. Set plants 24-36" apart in rows 72-96" apart (closer for bush types). Days to maturity are from transplant.

### Varieties

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Variety</th>
<th>Days</th>
<th>Size</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4739U</td>
<td>Georgia Rattlesnake</td>
<td>90</td>
<td>38-50 lbs</td>
<td></td>
<td>Tolerant A, F</td>
<td>A southern heirloom customers have requested. Highly prized for size &amp; eating quality. Firm, sweet, bright rose flesh. Vigorous vines.</td>
</tr>
<tr>
<td>4762</td>
<td>Jubilee Improved</td>
<td>90-100</td>
<td>26-38 lbs</td>
<td></td>
<td>Tolerant A, F</td>
<td>The original Jubilee has been a favorite for many years. The rind in medium thick, light green with dark green stripes. The bright red flesh is sweet and fine textured. Large black seeds. Good shipper.</td>
</tr>
<tr>
<td>4768</td>
<td>Madhubala F1</td>
<td>80</td>
<td>22-26 lbs</td>
<td></td>
<td>Tolerant A 1</td>
<td>Very early for this size class. Similar in shape and rind to SummerFlavor 710. Although growers have reported that fruit size is often smaller. Flesh is bright red. Strong, vigorous vines.</td>
</tr>
<tr>
<td>4766</td>
<td>Madhuri F1</td>
<td>85-90</td>
<td>22-26 lbs</td>
<td></td>
<td>Tolerant A 1</td>
<td>Good combo of fruit size, color, shape. Flesh is bright red, very fine flavor. Strong plant vigor. Fresh Mkt, Shipping.</td>
</tr>
<tr>
<td>4804</td>
<td>Starbrite F1</td>
<td>85</td>
<td>22-31 lbs</td>
<td></td>
<td>Tolerant A 1, F 1</td>
<td>Capable of producing high percent Jumbos for roadside markets. Vigorous vines. Uniformly sweet deep red flesh. Good shipper. Fresh Mkt, Garden, Roadside, Shipping.</td>
</tr>
</tbody>
</table>

### Watermelon Seed Costs

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Watermelon</th>
<th>1/4 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1 lb</th>
<th>5 lb (per lb)</th>
<th>10 lb (per lb)</th>
<th>5 M (per M)</th>
<th>10 M (per M)</th>
<th>30 M (per M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4739U</td>
<td>Georgia Rattlesnake</td>
<td>1.70</td>
<td>3.20</td>
<td>11.00</td>
<td>18.90</td>
<td>33.80</td>
<td>30.90</td>
<td>28.90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4762</td>
<td>Jubilee Improved</td>
<td>1.60</td>
<td>1.80</td>
<td>5.90</td>
<td>10.20</td>
<td>18.15</td>
<td>16.55</td>
<td>15.50</td>
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### Watermelon Seedling Costs

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Watermelon</th>
<th>25 sd</th>
<th>100 sd</th>
<th>500 sd</th>
<th>1000sd</th>
<th>5 M (per M)</th>
<th>10 M (per M)</th>
<th>30 M (per M)</th>
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<tbody>
<tr>
<td>4768</td>
<td>Madhubala</td>
<td>9.70</td>
<td>25.40</td>
<td>100.80</td>
<td>144.00</td>
<td>134.45</td>
<td>124.90</td>
<td>117.00</td>
</tr>
<tr>
<td>4766</td>
<td>Madhuri</td>
<td>9.35</td>
<td>24.45</td>
<td>96.90</td>
<td>144.00</td>
<td>134.45</td>
<td>124.90</td>
<td>117.00</td>
</tr>
<tr>
<td>4804</td>
<td>Starbrite</td>
<td>4.50</td>
<td>13.95</td>
<td>55.60</td>
<td>78.50</td>
<td>73.75</td>
<td>69.40</td>
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**Email:** twilley@twilleyseed.com  
**Fax:** 864-227-5108
More Watermelon Diploid

Approx. 200-300 sd/oz for large-seeded types (500 sd/oz for small-seeded types). F1 packets contain 25 sd; o.g. packets produce 6-10 hills; 3½ lb produces approx. 10,000 plants (1½-2 lbs if small-seeded). Germs in about 8 days. Set plants 24-36” apart in rows 72-96” apart (closer for bush types). Days to maturity are from transplant.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days</th>
<th>Size</th>
<th>Shape and Color</th>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4863 Verde Grande F1</td>
<td>85</td>
<td>20-25 lbs</td>
<td></td>
<td></td>
<td>Striking solid dark green rind. Distinctive appearance lends itself to use as pollinizer for triploids, providing a quality diploid product to sell alongside.</td>
</tr>
<tr>
<td>4694U Baby Doll F1</td>
<td>70</td>
<td>6-8 lbs</td>
<td></td>
<td></td>
<td>Bright yellow crisp, sweet flesh. Best sub for Yellow Doll if needed.</td>
</tr>
<tr>
<td>4742 Gold in Gold F1</td>
<td>70</td>
<td>11-16 lbs</td>
<td></td>
<td></td>
<td>Eye-catching and fun. Unique yellow rind with golden stripes encases golden orangy flesh. AAS judges reported good performance in national trials. 6-7” diam. Fruit can be used in icebox category while the long shape adds weight and value.</td>
</tr>
<tr>
<td>4765 Lemon Krush F1</td>
<td>85</td>
<td>16-18 lbs</td>
<td></td>
<td>Tolerant A, FW, PM 1, 2</td>
<td>Large fruit much requested by customers. Firm, sweet yellow flesh. Popular Crimson Sweet Rind pattern</td>
</tr>
<tr>
<td>4767 Orange Krush F1</td>
<td>75-78</td>
<td>17-20 lbs</td>
<td></td>
<td>Tolerant F</td>
<td>75-78 Days. Flesh is golden orange, sweet and crispy with overall good clean flavor. Round-oval fruit avg 17-20 lb. External rind pattern is Crimson Sweet type with distinctly delineated bands of deep green and light green. Fewer seed than most diploids of this size.</td>
</tr>
<tr>
<td>4868 Yellow Baby F1</td>
<td>65</td>
<td>8-9 lbs</td>
<td></td>
<td></td>
<td>Pure yellow, sweet flesh. Rind is thin but tough with sharp dark green stripes. Fewer seed than most diploids of this size.</td>
</tr>
<tr>
<td>4869 Yellow Doll F1</td>
<td>68</td>
<td>5-8 lbs</td>
<td></td>
<td></td>
<td>Earliest yellow-fleshed fruits in our selection. Semi compact vines</td>
</tr>
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</table>

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<thead>
<tr>
<th>Cat#</th>
<th>Watermelon</th>
<th>1/32 oz</th>
<th>1/2 oz</th>
<th>1 oz</th>
<th>1/4 lb</th>
<th>1/2 lb</th>
<th>1 lb</th>
<th>5 lb (per lb)</th>
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<tbody>
<tr>
<td>4694U</td>
<td>Baby Doll</td>
<td>1.65</td>
<td>14.30</td>
<td>23.55</td>
<td>84.50</td>
<td>150.95</td>
<td>276.00</td>
<td>258.00</td>
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<tr>
<td>4868</td>
<td>Yellow Baby</td>
<td>3.45</td>
<td>40.75</td>
<td>66.95</td>
<td>240.50</td>
<td>429.65</td>
<td>785.85</td>
<td>734.40</td>
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<table>
<thead>
<tr>
<th>Cat#</th>
<th>Watermelon (M=1000)</th>
<th>25 sd</th>
<th>100 sd</th>
<th>500 sd</th>
<th>1000 sd</th>
<th>5 M (per M)</th>
<th>10 M (per M)</th>
<th>50 M (per M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4742</td>
<td>Gold in Gold</td>
<td>3.25</td>
<td>8.65</td>
<td>34.60</td>
<td>56.00</td>
<td>50.55</td>
<td>45.50</td>
<td>--</td>
</tr>
<tr>
<td>4765</td>
<td>Lemon Krush</td>
<td>4.20</td>
<td>11.10</td>
<td>44.50</td>
<td>72.00</td>
<td>65.00</td>
<td>58.50</td>
<td>--</td>
</tr>
<tr>
<td>4767</td>
<td>Orange Krush</td>
<td>4.30</td>
<td>11.35</td>
<td>44.95</td>
<td>72.00</td>
<td>67.25</td>
<td>62.45</td>
<td>58.50</td>
</tr>
<tr>
<td>4863</td>
<td>Verde Grande</td>
<td>2.45</td>
<td>6.50</td>
<td>26.00</td>
<td>37.50</td>
<td>35.85</td>
<td>34.30</td>
<td>--</td>
</tr>
<tr>
<td>4869</td>
<td>Yellow Doll</td>
<td>7.15</td>
<td>21.60</td>
<td>86.55</td>
<td>119.25</td>
<td>112.05</td>
<td>105.45</td>
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</table>
Locally grown cut flowers are a blossoming trend. There has been an increase in demand for them, whether for grand occasions such as weddings or for simple home table settings. They are fresher, brighter, more fragrant, more economical, and longer lasting than imported varieties. Local cuts save on shipping and leave a much smaller carbon footprint.

Both large and small farms are expanding their flower operations, as cut flower sales can strengthen and compliment income from locally grown fruits, vegetables and herbs. Flowers also attract honeybees and other beneficial pollinators, and this helps farm production.

In addition to zinnias, sunflowers, celosia, and gomphrena, cut flowers can include ornamental grasses, herbs (such as basil or dill), foliage, or grains. Twilley Seed is delighted to offer many varieties of cut flower seed; look for this symbol throughout our flower section: ⚫️

For an even more extensive selection of cut flower seeds, please contact us.
Deep-green foliage. Spikes are broad and long lasting. Cutflower for easy fieldgrown specialty crop. Stately annual specimen or hedger. Can be used as a filler and specialty cut.

**Ammi nana**

**Select White**

Ammi annual, can be direct sown. Is ornamental in border or mass landscape. Easy annual, can be direct sown.

**Amaranthus**

**6250 Bonita Mix**

(A. majus)

20" pot, 36" gdn. Highest quality cutflower. Also high-value item for commercial cutflower crop. Great for pots, mixed planters and hanging baskets in shade. For high tunnel or field growing. Professional cutflower, also high-value item for commercial cutflower crop. Great for pots, mixed planters and hanging baskets in shade.

**6258 Julie Mix**

24-30"; Semidouble with tight petals and golden centers. 2-4 weeks earlier blooming than comparable varieties. Medium tall. Branching very low to ground. Can be raised for harvest as a whole plant, either as a mounded habit or at tighter spacing can be used for single-stem cuts. Strong disease tolerance. Blend of Blue, Pink, Rose & White. Professional quality cutflower. For high tunnel or field growing. 100 sd $2.00 500 sd $7.45 1000 sd $11.80 5M $9.80/M

**6268 Matsumoto Mix**


**6379 Rose Bronze Leaf**

(B. x benariensis) (Int'l) 14" pot, 20" gdn; Extra large 2½" flowers are produced on upright, arching plants. Handsome large glossy heart-shaped leaves. Up to 2 weeks earlier than competing types. Thrives in wide range of climates in both sun and shade. Massive spreading plant for maximum show in large container or landscape. Mix is 4 colors: Red Green Leaf, Pink Green Leaf, Red Bronze Leaf, Rose Bronze Leaf.

**6390 Complete Mix** 6395 Red Bronze Leaf 6399 Rose Bronze Leaf F1

Cocktail F1 Series Deep bronze foliage. Sun-tolerant. 6379 Gin 6382 Vodka

**6444 Senator IQ Mix**

F1 12" spreading. Improved successor to the popular Senators. Foliage is deepest bronze across series. Uniformly early and compact across all colors with tight, early crop time about 11-12 weeks.

**6428 Nonstop Mix F1**

Double blooms ¾-½". Compact basal branching plants. Ht. 8".

**Begonia Tuberous-Rooted**

(B. x tuberhybrida)

Grow the same as fibrous-rooted types. Large, showy blooms excellent for pots, mixed planters and hanging baskets in shade.

**Begonia Non Stop Mix F1**

Grow the same as fibrous-rooted types. Large, showy blooms excellent for pots, mixed planters and hanging baskets in shade.

**Begonia Fibrous-Rooted**

(B. semperflorens)

Approx. 12,000 sd/oz. Sow sd 6-8 weeks before spring sales. Germ in 10 days at 70°F. Excellent for greenhouse cut flower/pot production. Great for borders and pots in full sun. Blooms midsummer to frost. Space 6-12" apart.

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l)
**Bupleurum** *(B. rotundifolium)*

Approx. 12,000 sd/oz. Excellent cut or dried. Sow direct seed as soon as soil can be worked. Germ in 14-21 days at 55-60°F. Space 10” apart.

6500 Green Gold (≥30’); Yellow flowers in small 2” umbels. Classic bouquet filler. Approx. 12,000 sd/oz. Excellent cut or dried. Sow direct as soon as soil can be worked. Germ in 14-21 days at 55-60°F. Space 10” apart.

**Calendula** *(C. officinalis)*

Approx. 3,500 sd/oz. Also known as Pot Marigold. Sow sd about 6 weeks before sale as green plants. Germ in about 10 days at 70°F. Bedding, borders, pots and window boxes in full sun. Bloom best in cool weather.

**Campanula** *(C. medium)*

6522 Champion Pro Mix

Pelleted. 4 ft; Produces masses of valuable filler material for cutflower work. More densely branched than Champion, with a very large number of slightly smaller flowers that tend to clothe the entire plant. Excellent filler or stunning whole-plant bouquet. Approx. 30,000 pels/oz. Blooms early to late summer. Suitable for light and medium well-drained soil. Germ in 14-21 days.

**Canna** *(Dianthus caryophyllus)*

6599 South Pacific Scarlet F1

24” spreading 10” in 2-gallon, 4 ft spreading 18” in gdn; The first F1 Canna, with extra vigor and more & larger blooms than older varieties. Brilliant 4” hot scarlet flowers in clusters of 6-7 per spike, on sturdy stems held well above broad statuesque foliage. Top quality for container, planter, beds & borders. Approx. 36,000 sd/oz. Sow sd 4-6 weeks before sale as green plants. Germ in 10-12 days at 70°F. Dwarf for bedding. Others excellent for borders and cutting; flowers dry easily. Best in full sun. Bloom summer to frost. Space 12-18” apart.

**Carnation** *(Dianthus caryophyllus)*

6591 Chabaud Florist Mix

100% extra-large double fragrant flowers on sturdy stems. Color range includes scarlet, yellow, red, apricot striped with scarlet and deep rose with white edge. Ht. 20”. Approx. 10,000 sd/oz. Sow sd 10 weeks before sale. Germ in 14-28 days at 70°F. Grow cool for cut flower production. Beds, borders and containers in sun. Excellent for bouquets. Space 12-18” apart.

**Celosia** *

**Brainiac Series** 6”; Large crested flower heads on short, densely branching plants. This flower type, shaped like a mohawk haircut, has become very popular among cutflower growers. Brainiac’s dwarf habit makes it now available for bedding and container sales. Very early, heat tolerant, for full sun to very light shade, suitable for bench run production. Works well in landscapes.

6656 Lightning Yellow  6658 Mad Magenta

6659 Mix  6660 Raven Red  6661 Think Pink

Chief Series 3”; Crested flowers bred especially for cut flowers with strong single stems. Mix is full color range including bicolors.

6666 Mix  6667 Red

**Calendula Pacific Beauty Mix**

Approx. 3,500 sd/oz. Sow sd 4-6 weeks before sale as green plants. Germ in 10-12 days at 70°F. Dwarf for bedding. Others excellent for borders and cutting; flowers dry easily. Best in full sun. Bloom summer to frost. Space 12-18” apart.

**Carnation Chabaud Florist Mix**

Approx. 36,000 sd/oz. Sow sd 4-6 weeks before sale as green plants. Germ in 10-12 days at 70°F. Dwarf for bedding. Others excellent for borders and cutting; flowers dry easily. Best in full sun. Bloom summer to frost. Space 12-18” apart.

**Campanula Champion Pro Mix**

Approx. 30,000 pels/oz. Blooms early to late summer. Suitable for light and medium well-drained soil. Germ in 14-21 days.
6697 Dragon’s Breath

6697 Dragon’s Breath

6697 Dragon’s Breath

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**Cosmos Double Click Mix**

**Coleus Wizard Mix**

**Dahlia Figaro Mix**

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**Cosmos Early Sensation Mix Colors**

**Cosmos Superfine Masterblends Rainbow Mix**

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**Cosmos (C. sulphureus)**

**Daucus**

**Coreopsis**

**Costus**

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**Prices for Rainbow Color Pride & Master Blends:**

<table>
<thead>
<tr>
<th>Price</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>100sd</td>
<td>1.55</td>
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<tr>
<td>500sd</td>
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</tr>
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<td>1000sd</td>
<td>8.45</td>
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<tr>
<td>5M</td>
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**Prices for Cosmic Mix and Cosmic Orange:**

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<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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<td>100sd</td>
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<tr>
<td>500sd</td>
<td>5.50</td>
</tr>
<tr>
<td>1000sd</td>
<td>9.50</td>
</tr>
</tbody>
</table>

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Email: twilley@twilleyseed.com  Fax: 864-227-5108
Echinacea
Green Twister

Dianthus
Silverdust

Dusty Miller
PowWow Wild Berry

Echinacea

7004 Magic Fountains Mix Approx. 13,000 seeds/oz. Dwarf Pacific type good for small gardens, windy areas. Colors include lilac-pink, sky blue, white and dark blue; dark and white bees. Ht. 2½-3'.
100sd 1.55 500sd 5.50 1000sd 10.00 SM 8.40/M

Dianthus

Approx. 25,000 seeds/oz. Sow 6-8 weeks before sale of blooming pans. Germ in 7-14 days at 70-75°F. Attractive, spreading, carpet-like plants excellent for beds, borders, containers, in sun. Space 6×12' apart.

7096 Rainbow Loveliness Mix (Dianthus x hybrida) 3 Perennial. Fragrant, antique flowers have intense, sweet-and-spicy aroma. Deeply cut, lacy flowers in shades of rosy pink, lilac, white, purple and red on long stems. May bloom the first year from seed if started early. Ht. 15'.
100sd 2.20 500sd 9.55 1000sd 16.15 10M 10.50/M
Super Parfait F1 Series (Dianthus x chinensis) Annual. Excellent varieties in desert-delicious colors with contrasting darker eye. Flowers average 2” across. Outstanding in packs. Early, compact, branching plants. Ht. 8”.

7071 Raspberry 7072 Strawberry
50sd 2.30 100sd 3.30 500sd 15.05 1000sd 27.35 5M 23.30/M
7117 Telstar Mix F1 (Dianthus x chinensis) Annual. Early flowering dwarf variety which continues to bloom until frost; heat resistant. Excellent for pot, pack and bedding. Ht. 10”.
50sd 2.30 100sd 3.30 500sd 14.55 1000sd 25.25 5M 21.50/M

Sweet William

9366 Hollandia (Dianthus barbatus) Perennial. Can be used for flowering any time of the year. One planting can produce flowers in a wide range of colors over a long period. Excellent for greenhouse production, in cool climates, during autumn and winter months. Color range includes pinks, reds, whites, purple, and many intermediates. Ht. 2'.
50sd 3.60 100sd 5.15 500sd 23.70 1000sd 43.45 10M 33.55/M
7099 Rockin’ Red F1 (Dianthus x barbatus) 2 Pelleted. 18” spreading 10” pot, 24” spreading 12’’ gdn; FYE. Long lived perennial. Vivid deep red. Durable lacy fragrant flowers crowd in clusters atop lushly branched plants. Lots of color on a very sturdy frame. For quarts to gallon, and in field or high tunnel as fresh local cut flower for bouquets.
25sd 5.35 100sd 12.75 500sd 58.50 1000sd 106.65

7143 Tidal Wave F1 (Dianthus x barbatus) 3 Pelleted. 2½-3’; FYF; no vernalization required. Top quality professional cutflower traits. Uniform stem length and bloom timing. Good frost and heat tolerance. Blooms are fragrant and long lasting. For field or greenhouse production.
25sd 1.75 100sd 4.15 500sd 19.05 1000sd 34.85

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
**Geranium**

**Maverick Red F1**

**Geranium**

**Multibloom Mix F1**

**Echinacea**

**Paradiso Tall Mix F1**

**Geranium**

**Landscaper Red F1**

**Geranium**

**Pinto Premium Violet F1**

**Geranium**

**Pinto Premium Series F1**

**Geranium**

**Arizona Series**

**Gaillardia (G. grandiflora)**

**P**

Approx. 17,000 s/doz. Also known as Blanket-Flower. Sow 6-8 weeks before sales. Germ in 7-10 days at 70-75°F in light. Excellent for mass planting, full sun; thrives in hot, dry or poor soil. Blooms Jul.-Sept. Space 9-12” apart.

**Geranium Ivy Leaf**

**Arizona Series**

**Gaillardia (G. grandiflora)**

**P**

Approx. 17,000 s/doz. Also known as Blanket-Flower. Sow 6-8 weeks before sales. Germ in 7-10 days at 70-75°F in light. Excellent for mass planting, full sun; thrives in hot, dry or poor soil. Blooms Jul.-Sept. Space 9-12” apart.

**Geranium**

**Landscaper Red F1**

**Geranium**

**Pinto Premium Violet F1**
**Gypsophila Gypsy White**

**Gypsophila (G. muralis)**

7529 Pink  
100sd 2.05  500sd 8.75  1000sd 14.60

Gypsy Series 10” forms neat mounds of airy semi-double to fully double delicate flowers. Gypsy White 2018 AAS Winner with markedly better branching habit, earliness and flower power.

**Hibiscus Disco Belle Rosy Red**

**Hibiscus (H. moscheutos)**

Disco Belle Series 20”; Basal branching habit, 9” diameter flowers.

7580 Mix  
100sd 4.30  500sd 19.05  1000sd 27.20  5000sd 125.65  10000sd 231.00

7582 Pink
7586 White
7584 Rosy Red

Hollyhock (Alcea rosea)

7590 Chaters Double Mix F1 6 ft; 100% double large flowers.

500sd 5.00  1000sd 9.50  10000sd 16.50

Heliotrope Mini Marine

**Heliotrope (H. arborescens)**

7544 Mini Marine Fragrant deep marine-blue blooms 8-12” across on 10” bushy plants.

100sd 3.25  500sd 13.70  1000sd 22.30  5M 12.95/M

7509 Strawberry Fair Brilliant deep rosy-orange and red 1” blooms. Attractive in gardens or in fresh arrangements. Ht. 24”.

100sd 3.15  500sd 12.50  1000sd 22.00  5M 18.95/M

**Godetia Grace Mix F1**

Godetia (G. Whitney)

Approx. 37,000 sd/oz. Sow Dec.-Feb. for April/May flowering. Prefer low temperatures and sun. Very cold resistant.

7489 Grace Mix F1 Lateral branches produce numerous flowers on strong stems. Highly productive cut flower. Ht. 2½’.

500sd 3.60  1000sd 5.15  5000sd 23.65  10000sd 43.15  5M 36.65/M

**Gomphrena globosa A**

Approx. 12,000 sd/oz. Also known as Globe Amaranth. Sow 6-8 weeks before spring sales. Performs well, germ in 15-20 days at 70-75°F. Excellent everlasting. Space 8-12” apart.

7504 Buddy Purple Blooms on compact dwarf plants. Perfect for gardens in hot, humid areas. Pots and hanging baskets. Ht. 8”.

100sd 1.55  500sd 3.80  1000sd 6.40  5M 5.45/M

7507 Ping Mix 16” spreading 8” container, 20” spreading 10” gdn; Abundant, durable, drought tolerant color all summer. For galleries and mixed planters, knee high bedding, large or small landscaping, and good for fresh local or dried cutflower work.

100sd 3.25  500sd 13.70  1000sd 22.30  5M 18.95/M

7509 Strawberry Fair Brilliant deep rosy-orange and red 1” blooms. Attractive in gardens or in fresh arrangements. Ht. 24”.

Gypsophila Gypsy White

**Gypsophila (C. muraski)**

Approx. 25,000 sd/oz. Also known as Baby’s Breath. Germ in 7-10 days at 65-70°F. Beds and gardens in sun.

7590 Chaters Double Mix F1 6 ft; 100% double large flowers.

500sd 1.60  1000sd 2.30  5000sd 9.90  10000sd 16.60

7592 Mixed 50sd 1.80  100sd 2.95  500sd 9.90  1000sd 16.60

7594 Mixed 500sd 13.60  1000sd 23.10  5M 18.95/M

50sd 1.60  100sd 2.30  500sd 9.90  1000sd 16.60

500sd 13.60  1000sd 23.10  5M 18.95/M

7590 Strawberry Fair Brilliant deep rosy-orange and red 1” blooms. Attractive in gardens or in fresh arrangements. Ht. 24”.

100sd 1.55  500sd 2.40  1000sd 3.40  5M 2.95/M

Hypoestes Splash Select Mix

**Hypoestes (H. sanquinoletia)**

Approx. 22,000 sd/oz. Also known as Polka Dot Plant. Sow year-round; germ in 10-12 days at 70-75°F. Novelty for bedding or foliage plant. Full sun/part shade. Treat with Cycocel for best results. Allow 8-10 weeks for 4” pot production.

7610 Splash Select Mix F1 12” spreading 14”; Compact, improved version of Splash w’ more bright colors. Heat and shade tolerant. Dark green leaves with larger areas of pink, white or rose. Compact habit. Popular for bedding, patios, or indoors. Mix contains Pink, Red, Rose and White.

**Hypocestes**

7630 Pink  
100sd 1.55  1000sd 1.95  5M 2.50/M

50sd 1.60  1000sd 2.20  5M 2.50/M

500sd 9.90  1000sd 16.60

10M 2.00/M

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
Impatiens Super Elfin Mix F1

(Impatiens hawkeri)

Florific F1 Series Large 2" flowers borne flat on top of foliage. Uniform well-branched plants. Quick crop time about 12-14 weeks. Grows well under high density cropping. Not susceptible to DM so can be used as safe alternative where regular Impatiens have had that problem. For jumbo packs & 4" pots. Ht. 8".

Beacon Purple F1

Approx. 9,000 sd/oz. Sow 6-8 weeks before spring sales; or direct-sow successively for longer period of bloom. Germ in 10-20 days at 65-75°F. Excellent for cut flowers. Blooms best in cool weather and full sun. Space 1'-2' apart. Ht. 11'.

Larkspur (Delphinium consolida)

Approx. 20,000 pels/oz. Production time 120-140 days from seed. Germ in 10-15 days at 70-75°F. Grow on at 60-68°F. Outdoors blooms July-Sept. Space 6-12" apart.

Lobelia

(Fast growing camellia shaped flowers, quadra-petalled & 2-2.5" diam. Excellent summer crop from winter sowing. Thick petals, tough stems for shipping and shelf life. Group 2 professional cut flower.)

Lisianthus Echo Mix F1

Approx. 800,000 sd/oz. Sow 10-12 weeks before spring sales. Germ in about 20 days at 70-75°F. Blooms late spring to frost in full sun to partial shade. Space 4-6" apart.

Lisianthus Rosita 2 Blue Picotee F1

Approx. 60,000 sd/oz. Sow sd 6-8 weeks before spring sales. Germ in 10-14 days at 70°F. Bedding, container and hanging baskets. Thrives in full to partial shade. Blooms spring to frost. Space 1-2' apart. Ht. 6-12'.

Lisianthus New Guinea Florific Mix F1

Best selling impatiens series. Bred for uniformity and consistent habit. Ht. 9".

Impatiens New Guinea

(Accent F1 Series) High-Viability seed selected for rapid, uniform germination. Early-flowering with 2" flowers on compact, vigorous plants. Ht. 10".

Impatiens Accent Complete Premium Mix F1

Approx. 60,000 sd/oz. Sow sd 6-8 weeks before spring sales. Germ in 10-14 days at 70°F. Bedding, container and hanging baskets. Thrives in full to partial shade. Blooms spring to frost. Space 1-2' apart. Ht. 6-12'.
**Marigold**

**Marigold American**

Tagetes erecta

Approx. 3,000 seeds/oz, unless otherwise stated. Sow 4-6 weeks before spring sales. Germ in about 7 days at 70-75°F. All types excel lent for sunny gardens and containers. Blooms late spring to frost.

**Antigua F1 Series** Detailed. Day length neutral. Blooms eight weeks after sowing. Compact bushy plants produce 4” fully double blooms. Ht. 12”.

**Big Duck Series**

7987 Gold
7891 Yellow

**7999 Gold**
8004 Orange
8006 Yellow

**8035 II Yellow**

500sd 3.05 1000sd 4.35 5000sd 20.05 10000sd 36.70 50M 31.25/M

50sd 2.30 100sd 3.30 500sd 15.05 1000sd 27.35 5M 23.30/M

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
Marigold French (Tagetes patula)

**Bonanza Series** Detailed. Popular series because of the large 2" crested flowers. Wide range of cheerful French marigold colors. Ht. 10".

8146 Bee
8149 Gold
8150 Mix
8151 Orange
8152 Yellow
8184 Disco Mix

**Disco Mix** Detailed. Showy, single-flowered blossoms with excellent heat tolerance. Daisy-like flowers cover the full range of French marigold colors. Ht. 10".

8106 1.55
500sd 3.35
1000sd 5.60
SM 4.55/M
10M 4.20/M

Janie Series Detailed. Dwarf, double crested series. Extremely heat resistant. Massive display of 1" flowers atop neat petite plants. Ht. 8".

8219 Bright Yellow
8220 Deep Orange
8236 Red Cherry

A true classic unexcelled for color intensity. Large 1½" double crested flowers. Ht. 12".

100sd 1.55
500sd 3.15
1000sd 5.60
SM 4.55/M
10M 3.75/M

**Safari Series** Detailed. Bushy, vigorous plants provide an abundance of fully double 2" flowers. Ht. 8-10".

8250 Mix
8251 Orange PVP
8256 Yellow PVP

Super Hero Series 8-10"; Improved successor to the Hero Series. AAS winning Spry was outstanding in trials for bright contrast. Robust tightly branched plant habit, most uniform in packs & gdn. Earlier to flower, just 7-9 weeks from sow to bloom. Brighter, cleaner colors with very stable flower patterns.

8261 Deep Orange
8267 Deep Yellow

8263 Maxi Mix
8265 Spry

**Marigold Triploid** Earliest blooming of all marigolds because they are sterile. They bloom abundantly all season and they do not require dead-heading.

Zenith Series Detailed. Huge, double flowers measuring 3" on compact plants. Ht. 12".

8280 Lemon Yellow
8281 Mix

8280sd 3.45
500sd 15.85
1000sd 29.00
SM 24.65/M

8304 Jackpot Gold 10". Larger flower, better, denser branching, with more color than 'Million Gold'. Compact & early, golden flrs, works well as commercial pot crop and performs very well in garden endurance trials. Color all summer to frost.

50sd 2.90
100sd 4.15
500sd 18.80
1000sd 33.85

**Melampodium (M. paludosum)**

Cover seed lightly and keep uniformly moist. Grow under high light intensity.

8316 Bells of Ireland 28"; Popular professional cutflower, admired for its unusual spires of green, bell-shaped blooms. Used both fresh and dried, it adds real interest to mixed bouquets. Approx. 4,000 sd/oz. Sow indoors 8-10 weeks before last frost. Grow in full sun and well drained soil. Space 12-16" apart. Blooms late summer. Attracts bees and butterflies.

8317 Heavenly Blue Climbing vine to 6 ft; classic, 4" sky-blue flowers with white throats. An old-time favorite.

Morning Glory ( Ipomoea purpurea )

A


100sd 1.55
500sd 2.45
1000sd 3.50
SM 3.00/M

**Moluccella**

A

Approx. 4.000 sd/oz. Sow indoors 8-10 weeks before last frost. Grow in full sun and well drained soil. Space 12-16" apart. Blooms summer-frost. Vines 8-10'.

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Morning Glory ( Ipomoea purpurea )

A

Queen

Pink

Colors up quickly for winter show.
winter flower beds. Ideal for 4-6” pot production.

Plant spacing affects flower size. Cutflower, Winter
compact and a good size for shipping. Long

Feather leafed version of the Crane series. Strongly

stems. Nicotiana (N. alata) A

Approx. 18,000 pelts/oz. Also known as Flowering Tobac-

Approx. 10,000 sd/oz. Sow 4-6 weeks before late sum-

8353 Ornamental Cabbage Crane Mix F1 2’ Cut
flower type with round heads on clean, strong
stems.

8366 Ornamental Kale Black Leaf F1 <30-34” Cut-
flower type with near-black, purple-bronze leaves
and dark bronze stems. Large round-leaf heads. Ex-
tremely cold tolerant. For high tunnel production,
fall, winter, or spring. Worth testing as fieldgrown
crop.

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
Ornamental Millet

Purple Majesty F1

8306 Jade Princess F1 24” tall x 18” wide pot, 30” tall x 24” wide gdn; Vivid chartreuse foliage with rosy brown pollen-free panicles. Neat mounded shape. Fast and economical, fills a lg container in 4-5 weeks from transplant. Likes it warmer than other millets. For lg containers and landscapes.

25sd 7.10 100sd 16.90 500sd 77.35 1000sd 140.60
8309 Jester F1 42”; Broad chartreuse clumps shift to burgundy blades at maturity and orange-purple foliage at flowering time, when erect maroon spikes crown the plant. Best color in full sun. Longlasting bright accent plant for large containers and landscapes.

25sd 7.10 100sd 16.85 500sd 77.90 1000sd 143.35
8311 Purple Majesty F1 Transplant 14-21 days from sowing; matures 77-84 days from transplant. Fantastic Foliage®. Striking corn-like plant with deep purple foliage, stems and flower plumes. Landscape, Large Container. Ht. 4-5.

25sd 7.10 100sd 16.85 500sd 77.90 1000sd 143.35

Ornamental Pepper

(Capsicum annuum)

NEW!

Black Olive

Onyx Red

Chilly Chili

8340 Black Olive 10” container, 24” garden. Draping dark purple foliage. Bright purple flowers and purple black fruit maturing to bright red. Sturdy upright plant holds up even through extremely hot and humid weather. Shows color from seedling stage until frost. For container, border plant or cutflower for mixed bouquets.

25sd 1.55 100sd 1.80 500sd 4.25 1000sd 7.35 5M 5.95/M

8343 Onyx Red 9” tall spreading 12”; Unique show-stopper with true “wow” value. Shiny, pure deep black foliage and large numbers of small .5” oval fruit that start black and turn blazing red. Dense branching, forms a rounded mass of small leaves. Fruit starts setting early, when plant is 4-5” tall. Fruits set all over the plant and continue setting til frost. Makes a striking statement in the garden from all angles until freezing weather. For 6” pots, large multi-plant bowls, combo planters, and mass bedding.

25sd 7.10 100sd 16.90 500sd 77.50 1000sd 141.25 5M 115.65/M

NEW!

Onyx Red

Black Pearl

8428 Black Pearl 3 ft; Long black whiskers sprout from thick seed head, rising several inches, well above the tip. Heritage winter wheat is a hybrid of T. aestivum X Secale cereale. For Specialty Cuts.

100sd 1.55 500sd 3.50 1000sd 6.15 5M 4.15/M

8459 Silver Tip Wheat 3 ft; Long heads, pure, light-tan all over with silvery sheen. This Heritage winter wheat is a hybrid of T. aestivum X Secale cereale. For floral, decorative, weaving and craft use. For Specialty Cuts.

100sd 1.55 500sd 3.50 1000sd 6.15 5M 4.15/M

8458 Black Tip Wheat 3 ft; Long black whiskers sprout from thick seed head, rising several inches, well above the tip. Heritage winter wheat for floral, decorative, weaving and craft use. For Specialty Cuts.

100sd 1.55 500sd 3.50 1000sd 6.15 5M 4.15/M
### Pansy Inspire DeluXXe Maxi Mix F1

- **Description:** Extra large 3"-3.5" flowers in 'Majestic' class. Early, tight bloom window, with all colors reaching 50% bloom in 75-85 days. Large bloom size. Durable flowers in outdoor performance. Strongly branching. Covers container or ground well and stays compact, with short peduncles both fall and spring. Branches to fill a gallon. Lasts into winter in mild areas. Less daylength sensitivity than other extra-large flower types.

### Pansy & Viola

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swiss Giants Mix</td>
<td>Large-flowered mix with velvety texture in a wide color range, all with blotch.</td>
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</table>

**Prices:**
- 25sd 1.55
- 100sd 3.30
- 500sd 14.90
- 1000sd 26.45

### Pentas (P.lanceolata) Graffiti Series F1

- **Description:** Pelleted. Large flower clusters of vibrant color. Branches strongly, forming a flat mound. Attracts butterflies. Strong performance in heat and humidity. Ht. 8".

### Petunia

- **P. grandiflora**
  - Approx. 22,000 sd/oz. Sow 10-12 weeks before spring sales. Germ in 10-12 days at 70-75°F in light. One of the best-loved annuals for gardens and pots in full sun. Space 8-12" apart. Blooms spring to frost. Ht 12" or more.

- **Petunia Matrix Morpheus F1**

### Petunia & Viola

- **P. matrix**
  - Approx. 34,000 sd/oz. Can winter-over in mild climates. Sow spring, 10-12 weeks before spring sales. Sow midsummer for fall sales. Germ in 8-10 days at 65-75°F. Performs best in cool weather and full sun to part shade. Ht. 4-9".

### Osteospermum

- **Germ 7-10 days at 70 F. Flowering type ranges from about 110 days if sown mid-September to 80 days if sown in April. Use a well drained soil mix and keep on the dry side. The cooler the temperature, the higher the bud count and the more compact the plants will be.**

### Viola Sorbet Mix F1

- **Description:** Early flowering series with unique color combinations and uniform habit. Excellent tolerance to temperature extremes. Ht. 6" spreading to 12".

**Prices:**
- 50sd 2.30
- 100sd 3.25
- 500sd 12.90
- 1000sd 19.30

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### To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l) 103
8815 Frost Mix F1 Pelleted. Richly textured, white trimmed edge. Frosted bicolor patterns remains stable throughout the season. Mix is blend of 4 picotees. Ht. 12-14”.

8840 Limbo GP Heather’s Mix F1 Pelleted. This beautiful combination of the Petunia grandiflora varieties Limbo GP Violet and Limbo GP Rose was created by Disney Horticulturist Heather Will-Browne, known for innovative use of color combinations in landscaping. Ht. 15”.

8887 Sophistica Lime Bicolour F1 Pelleted. Many colors change and develop over growing season. Will appeal to the demand for all-new color. Can be used to spice up mixed container sales. Ht. 10”.

8890 Blue
8893 Mix
8894 Pink
8895 Red
8898 White
8939 TriTunia ProFormula Mix F1 12-14”; The very best of the classic Ultra, Storm & Bravo series have been combined into the TriTunias series. TriTunias were chosen for best flower power, bloom size, uniformity of compact habit and timing. Traditional, tried and true performance for packs or pots. Huge flowers are impressive in large beds, baskets, and planters.

More Petunia grandiflora

8740 Cascade Mix F1 Pelleted. Early flowering with excellent cascading habit. Ht. 10-15”.

8752 Red
8755 Purple

8910 Tickled Pink F1 Pelleted. 5 ft; pendant or climbing habit. Abundant mid-size, bright rose-purple flowers. Creates a bold showy mass on trellis or hanging from basket.

8858 Picobella Mix F1 Pelleted. Patented, miniature flowers and plants offer unique addition for retail. Easy and economical to grow under standard petunia culture and no need for PGRs. Strong vigor in garden. Ht. 8-10”.

8871 Prism Sunshine F1 Pelleted. Extra early, compact golden-yellow 3” blooms with creamy edges. Plants remain very uniform and compact.

Supercascade F1 Series Pelleted. Large flowers up to 4” across that perform well in hanging baskets, containers, window boxes and garden. Ht. 10-15”.

Petunia grandiflora double

8850 Limbo GP Heather’s Mix F1 Pelleted. Richly textured, white trimmed edge. Frosted bicolor patterns remains stable throughout the season. Mix is blend of 4 picotees. Ht. 12-14”.

8875 TriTunia ProFormula Mix F1 12-14”; The very best of the classic Ultra, Storm & Bravo series have been combined into the TriTunias series. TriTunias were chosen for best flower power, bloom size, uniformity of compact habit and timing. Traditional, tried and true performance for packs or pots. Huge flowers are impressive in large beds, baskets, and planters.

Petunia Tickled Pink F1

8850 Limbo GP Heather’s Mix F1 Pelleted. Richly textured, white trimmed edge. Frosted bicolor patterns remains stable throughout the season. Mix is blend of 4 picotees. Ht. 12-14”.

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Supercascade F1 Series Pelleted. Large flowers up to 4” across that perform well in hanging baskets, containers, window boxes and garden. Ht. 10-15”.

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8850 Limbo GP Heather’s Mix F1 Pelleted. Richly textured, white trimmed edge. Frosted bicolor patterns remains stable throughout the season. Mix is blend of 4 picotees. Ht. 12-14”.

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More Petunia grandiflora

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8875 TriTunia ProFormula Mix F1 12-14”; The very best of the classic Ultra, Storm & Bravo series have been combined into the TriTunias series. TriTunias were chosen for best flower power, bloom size, uniformity of compact habit and timing. Traditional, tried and true performance for packs or pots. Huge flowers are impressive in large beds, baskets, and planters.

Petunia TriTunia ProFormula Mix F1 Pelleted. Patented, miniature flowers and plants offer unique addition for retail. Easy and economical to grow under standard petunia culture and no need for PGRs. Strong vigor in garden. Ht. 8-10”.

100sd 3.25 500sd 12.80 1000sd 19.90 5M 16.10/M

Petunia hybrida

8910 Tickled Pink F1 Pelleted. 5 ft; pendant or climbing habit. Abundant mid-size, bright rose-purple flowers. Creates a bold showy mass on trellis or hanging from basket.

8850 Limbo GP Heather’s Mix F1 Pelleted. Richly textured, white trimmed edge. Frosted bicolor patterns remains stable throughout the season. Mix is blend of 4 picotees. Ht. 12-14”.

8875 TriTunia ProFormula Mix F1 12-14”; The very best of the classic Ultra, Storm & Bravo series have been combined into the TriTunias series. TriTunias were chosen for best flower power, bloom size, uniformity of compact habit and timing. Traditional, tried and true performance for packs or pots. Huge flowers are impressive in large beds, baskets, and planters.

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8850 Limbo GP Heather’s Mix F1 Pelleted. Richly textured, white trimmed edge. Frosted bicolor patterns remains stable throughout the season. Mix is blend of 4 picotees. Ht. 12-14”.

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8875 TriTunia ProFormula Mix F1 12-14”; The very best of the classic Ultra, Storm & Bravo series have been combined into the TriTunias series. TriTunias were chosen for best flower power, bloom size, uniformity of compact habit and timing. Traditional, tried and true performance for packs or pots. Huge flowers are impressive in large beds, baskets, and planters.
Petunia Spreading

8800 Evening Scentsation F1 Pelleted. 5” tall spreading 30” in pot, 8” tall spreading 36” in gdn; Unique fragrance, recalling Hyacinth, Rose and Honey to the senses. Beautiful indigo blue flowers. Strong spreading stems with short internodes and prolific branching produce a tight canopy of flowers for massive color show. For bedding baskets and containers from 6” to gallon. Great Lakes, Heartland, West/Northwest; 25sd 6.70 100sd 15.35 500sd 72.15 1000sd 133.45 5M 108.70/M
8844 Opera Supreme Pink Morn F1 Pelleted. Spreads to 4” but stays 4-6” tall. Continues blooming along entire length of stem. Fills beds and baskets beautifully. 50sd 10.85 100sd 15.50 500sd 71.15 1000sd 129.90 5M 107.15/M

Petunia Superbissima

8880 Ruffy Double Cerny Triumph Mix Pelleted. Giant tetraploid flowers up to 5” on upright robust plants. Petals are heavily textured, deeply ruffled with many doubles and semi-doubles. Packs, pots and home gardens. 50sd 1.55 100sd 1.95 500sd 8.00 1000sd 12.50 10M 10.30/M

Petunia Wave

8812 E3 Easy Wave Complete Mix F1 Pelleted. 6” tall x 25” wide pot, 12” tall x 32” wide gdn; Improved Easy Wave type. Shorter crop time in short-day. All colors flower at or under 10 hours daylength. Less PGR needed. Very uniform across the series. Holds well for sales season. Mounded spreading habit. Hot colors for hot sales. Great in beds, baskets, pots. 50sd 11.10 100sd 15.35 500sd 72.75 1000sd 133.45 5M 113.65/M

Easy Wave F1 Series Pelleted. More mounded than Wave Series with up to 3 spread. Container or small space garden; Ht. 8-12”.
8781 Blue 8782 Coral Reef 8783 Mix 8786 Neon Rose 8784 Pink 8787 Pink Passion 8790 Red Velour 8791 White 8792 Yellow
50sd 11.10 100sd 15.35 500sd 72.75 1000sd 133.70 5M 108.70/M

Petunia Shock Wave Deep Purple F1

8924 Deep Purple 8925 Mix 8926 Cherry 8929 Hot Pink 8932 Purple 8934 Red Velour 8935 Silver 8956 Misty Lilac 8970 Mix 8971 Purple 8972 Red 8973 Rose 8974 Deep Purple 8975 Mix
50sd 11.10 100sd 15.35 500sd 72.75 1000sd 133.70 5M 108.70/M

Petunia Shock Wave F1 Series Pelleted. Large semidouble flowers. Compact, mound resistant to botrytis, weather tolerant. Spring to fall. Zones 4-8.
8926 Cherry 8929 Hot Pink 8932 Purple 8934 Red Velour 8935 Silver 8956 Misty Lilac 8970 Mix 8971 Purple 8972 Red 8973 Rose 8974 Deep Purple 8975 Mix
50sd 11.10 100sd 15.35 500sd 72.75 1000sd 133.70 5M 108.70/M

Petunia Spreading Evening Scentsation F1

8974 Deep Purple 8975 Mix 8977 Red 8978 Rose
50sd 11.10 100sd 15.35 500sd 72.75 1000sd 132.70 5M 108.70/M

Tidal Wave Red Velour F1

9021 Red Velour 9022 Hot Pink 9023 Pink 9024 Purple 9026 Party Mix 9027 Starburst 9028 Tiara Mix 9029 Sundial Mix 9030 Tidal Wave Red Velour F1 9031 Tidal Wave Red Velour F2
50sd 11.10 100sd 15.35 500sd 72.75 1000sd 132.70 5M 108.70/M

Petunia Newport Mix F1

9040 Newport Mix 9041 Orange 9042 Peach 9043 Pink 9044 Salmon 9045 Amber Gold 9046 Coral 9047 Crimson 9048 Green Wave 9049 Lemon Drop 9050 Newport Mix F1
50sd 11.10 100sd 15.35 500sd 72.75 1000sd 132.70 5M 108.70/M

Petunia Superbissima

8880 Ruffy Double Cerny Triumph Mix Pelleted. Giant tetraploid flowers up to 5” on upright robust plants. Petals are heavily textured, deeply ruffled with many doubles and semi-doubles. Packs, pots and home gardens. 50sd 1.55 100sd 1.95 500sd 8.00 1000sd 12.50 10M 10.30/M

Petunia Wave

8812 E3 Easy Wave Complete Mix F1 Pelleted. 6” tall x 25” wide pot, 12” tall x 32” wide gdn; Improved Easy Wave type. Shorter crop time in short-day. All colors flower at or under 10 hours daylength. Less PGR needed. Very uniform across the series. Holds well for sales season. Mounded spreading habit. Hot colors for hot sales. Great in beds, baskets, pots. 50sd 11.10 100sd 15.35 500sd 72.75 1000sd 133.45 5M 113.65/M

Easy Wave F1 Series Pelleted. More mounded than Wave Series with up to 3 spread. Container or small space garden; Ht. 8-12”.
8781 Blue 8782 Coral Reef 8783 Mix 8786 Neon Rose 8784 Pink 8787 Pink Passion 8790 Red Velour 8791 White 8792 Yellow
50sd 11.10 100sd 15.35 500sd 72.75 1000sd 133.70 5M 108.70/M

Petunia Shock Wave Deep Purple F1

8924 Deep Purple 8925 Mix 8926 Cherry 8929 Hot Pink 8932 Purple 8934 Red Velour 8935 Silver 8956 Misty Lilac 8970 Mix 8971 Purple 8972 Red 8973 Rose 8974 Deep Purple 8975 Mix
50sd 11.10 100sd 15.35 500sd 72.75 1000sd 133.70 5M 108.70/M

Petunia Spreading Evening Scentsation F1

8974 Deep Purple 8975 Mix 8977 Red 8978 Rose
50sd 11.10 100sd 15.35 500sd 72.75 1000sd 132.70 5M 108.70/M

Tidal Wave Red Velour F1

9021 Red Velour 9022 Hot Pink 9023 Pink 9024 Purple 9026 Party Mix 9027 Starburst 9028 Tiara Mix 9029 Sundial Mix 9030 Tidal Wave Red Velour F1 9031 Tidal Wave Red Velour F2
50sd 11.10 100sd 15.35 500sd 72.75 1000sd 132.70 5M 108.70/M

Petunia Newport Mix F1

9040 Newport Mix 9041 Orange 9042 Peach 9043 Pink 9044 Salmon 9045 Amber Gold 9046 Coral 9047 Crimson 9048 Green Wave 9049 Lemon Drop 9050 Newport Mix F1
50sd 11.10 100sd 15.35 500sd 72.75 1000sd 132.70 5M 108.70/M

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l)
**Salvia Vista Red**

More Rudbeckia (R. hirta)  P
9060 Maya FilmCoat. Double flowering, bright yellow 4" blooms are well supported by strong stems. Over-winters to zone 7. Ht. 18".

100sd 3.30  500sd 14.75  1000sd 26.15  5M 21.80/M
9074 Prairie Sun FilmCoat. Golden petals of light yellow with green center. Strong stems and large 5" flowers stand out in floral arrangements or landscape. Firm textured, long lasting. Blooms first summer about 4-5 months from winter sowing making it a choice perennial container plant. Ht. 30".

100sd 3.30  500sd 14.75  1000sd 26.15  5M 21.80/M

Salvia cocinea  P

9099 Lady in Red Approx. 15,500 sd/oz. Distinctly different, loose flower spikes with small scarlet florets. Ht. 12-15".

50sd 2.30  100sd 3.30  500sd 15.15  1000sd 27.70
Summer Jewel Series 1/4" pot, 20 gdn, 16" spreading. Rated above average or superior by AAS judges because of its early & abundant flowers, blooming from spring to fall. Plants are dwarf and densely branching. Bright flowers and dark-green foliage hold up to wind & rain. Attracts hummingbirds.

9103 Lavendar P  Southeast, Heartlands, Great Lakes
9102 Pink  P
9100 Red  P
9101 White  P
100sd 2.20  500sd 3.95  1000sd 15.50  5M 13.20/M

Salvia farinacea  P

Approx. 24,000 sd/oz. Sow 6-8 weeks before spring sales. Blooms in full sun from early summer to frost. Space 12".

9119 Victoria Blue Choice tall blue with long spikes densely covered with intense violet-blue florets. Ht. 18".

100sd 1.55  500sd 3.60  1000sd 5.15  5M 4.40/M  1OM 3.60/M
9129 Snow Lady F1 Dwarf, branching plants begin flowering when only 6" tall. Hardy to Zone 6. Ht. 10".

50sd 3.00  100sd 4.30  500sd 19.80  1000sd 36.35  1OM 29.55/M

**Salvia splendens**  A

9109 St. John's Fire Bright red. Ht. 12".

100sd 1.95  500sd 8.15  1000sd 13.20  5M 11.25/M
9104 Vista Red Early and compact with thick spikes. Day length neutral. Ht. 12".

100sd 1.95  500sd 8.15  1000sd 13.20  5M 11.25/M

Scabiosa  A

Approximately 5,200 sd/oz.

9110 CutBrite Mix  32"; Strong stemmed. 7 Extra bright colors. Formula Mixture (7 colors including ‘Black Knight’) Excellent fieldgrown cutflower.

50sd 1.55  100sd 2.10  500sd 9.00  1000sd 15.00  5M 11.00/M

Shasta Daisy  P

(Lucanthemum x superbum)


9176 Madame Butterfly Mix F1 Open, flaring blooms without the “snap”. Long stems make an excellent choice for cut flowers. Ht. 2½'.

100sd 1.55  500sd 3.90  1000sd 6.55  5M 5.60/M

9209 Rocket Mix F1 Choice for cut flowers or gorgeous garden bloom. Vigorous, uniform, heat resistant. Mix includes bronze, pink, rose, yellow, white and cherry. Ht. 30-36".

100sd 1.55  500sd 3.60  1000sd 6.15  5M 5.15/M

9198 Sonnet Mix F1 18" Easy to grow w/ uniform growing habit, strong root system and sturdy self supporting flower stems. Great cutflower also performs well in patio containers and landscape.

100sd 1.55  500sd 3.60  1000sd 6.15  5M 5.15/M

9193 Twinny Mix F1 Dwarf, double-flowered. Compact plant habit and excellent garden performance. Ht. 8".

100sd 2.40  500sd 10.30  1000sd 17.20  5M 14.30/M
Plants form basal rosettes and in second year produce large, mounded sprays of tiny lavender-white star-shaped florets which dry to pure white. Blooms in July-August. Ht. 12-18”.

<table>
<thead>
<tr>
<th>Statice Pacific Mix</th>
<th>9270 Quartet Mix</th>
<th>9230 Statice Tatarica</th>
<th>9274 Early Iron Rose Pink 30-36”</th>
<th>9306 Grey Stripe (Ciganteus) 8-12”</th>
<th>9311 Orange Mahogany Bicolor F1 Professional pollen-free cut flower. 5” flowers are rich orange with mahogany ring, 4½” single stem, good shipping height. Harvest before half-open stage at about 60 days.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strawflower (Helichrysum bracteatum)</td>
<td>Approx. 44,000 sd/oz. Sow 4-6 weeks before spring sale, or direct sow. Germ in 7-10 days at 70°F. Best for cutting, fresh, dried or garden. Blooms in full sun from summer to frost. Space 6-12” apart.</td>
<td>Approx. 40,000 sd/oz. Direct sow after all danger of frost. Germ in 10-14 days at 65-85°F. Excellent for temporary screens or hedges. Harvested seeds. Full sun. Bloom late summer to frost.</td>
<td>9265 Double Quick Orange F1 5 ft; Double orange, 5” sunburst, distinctly green-centered. Single stemmed, pollen free. Maturity 65 days, early for a double.</td>
<td>Approx. 8,500 sd/oz. Sow 8-10 weeks before spring sales. Germ in 15-20 days at 70°F. Great for cutting, fresh, dried or garden in full sun.</td>
<td>Approx. 257,000 seeds. Direct sow after all danger of frost. Germ in 10-14 days at 65-85°F. Good plant for mid-season cutting. Excellent for temporary screens or hedges. Harvested seeds. Full sun. Bloom late summer to frost.</td>
</tr>
<tr>
<td>Approx. 5,000 sd/oz. Sow 4-6 weeks before spring sale, or direct sow. Germ in 7-10 days at 70°F. Best for cutting, fresh, dried or garden. Blooms in full sun from summer to frost. Space 6-12” apart.</td>
<td>Approx. 257,000 seeds. Direct sow after all danger of frost. Germ in 10-14 days at 65-85°F. Good plant for mid-season cutting. Excellent for temporary screens or hedges. Harvested seeds. Full sun. Bloom late summer to frost.</td>
<td>Approx. 1,000 seeds. Direct sow after all danger of frost. Germ in 10-14 days at 65-85°F. Good plant for mid-season cutting. Excellent for temporary screens or hedges. Harvested seeds. Full sun. Bloom late summer to frost.</td>
<td>9265 Double Quick Orange F1 5 ft; Double orange, 5” sunburst, distinctly green-centered. Single stemmed, pollen free. Maturity 65 days, early for a double.</td>
<td>Approx. 8,500 sd/oz. Sow 8-10 weeks before spring sales. Germ in 15-20 days at 70°F. Great for cutting, fresh, dried or garden in full sun.</td>
<td>Approx. 5,000 sd/oz. Sow 4-6 weeks before spring sale, or direct sow. Germ in 7-10 days at 70°F. Best for cutting, fresh, dried or garden. Blooms in full sun from summer to frost. Space 6-12” apart.</td>
</tr>
</tbody>
</table>
More Sunflowers

9345 Bicolor
9348 Mix
9349 Orange
9355 OrangeDMR
100sd 3.30 500sd 15.15 1000sd 27.60 5M 23.20/M
9350 Pro Cut Red
9354 Pro Cut White Lite
100sd 3.75 500sd 22.10 1000sd 40.95 5M 33.95/M
9357 Pro Cut White Nite
100sd 4.85 500sd 22.55 1000sd 41.05 5M 34.70/M
9321 Ring of Fire
5” bicolor disk, dark red at base and golden yellow at tips. 40” branching habit. Good as casual cut or garden flower.
100sd 3.25 500sd 13.30 1000sd 20.85 5M 17.35/M
9305 Pro Cut Brilliance
100sd 3.30 500sd 15.15 1000sd 27.60 5M 23.20/M
9351 Pro Cut Plum
100sd 4.00 500sd 18.55 1000sd 34.30 5M 28.45/M
9355 Pro Cut Red & Lemon Bicolor
100sd 3.30 500sd 15.15 1000sd 27.60 5M 23.20/M
9350 Pro Cut Red
100sd 4.00 500sd 18.55 1000sd 34.30 5M 28.45/M
9356 Pro Cut White Lite
100sd 4.75 500sd 22.10 1000sd 40.95 5M 33.95/M
9357 Pro Cut White Nite
100sd 4.85 500sd 22.55 1000sd 41.05 5M 34.70/M
9321 Ring of Fire
5” bicolor disk, dark red at base and golden yellow at tips. 40” branching habit. Good as casual cut or garden flower.
100sd 3.25 500sd 13.30 1000sd 20.85 5M 17.35/M
9309 Rouge Royale F1
Dark red pollen free flowers with branching stems. Ht. 6’
100sd 3.00 500sd 13.05 1000sd 19.75 5M 16.55/M
9326 Sonja
Golden-orange blooms with dark centers produce long-lasting 4” blooms. Recommended for cut flowers or garden. Harvested seeds.
Ht. 3’
100sd 3.25 500sd 13.25 1000sd 20.50 5M 17.10/M
9331 Soraya
80 days. Branching, self supporting plants bear 4-6” orange flowers with contrasting dark brown disk. Bred as a quality, commercial cut flower. Sturdy stems and brilliant true orange color are also a standout in the garden. Ht. 5-6’
100sd 2.30 500sd 9.90 1000sd 16.65 5M 13.85/M
9337 Sunbright F1
Pollen-free for professional cut flower. 4” diameter, overlapping golden yellow petals with dark center. The industry leader for summer sunflower production. Ht. 5’
100sd 2.60 500sd 11.00 1000sd 18.15 5M 15.45/M
9338 Sunbright Supreme F1
Cut flower variety, pollen free with yellow flowers surrounding dark center. Grows vigorously under low temperature conditions. Manageable stem length under long days make it an excellent cut flower. Ht. 5’
100sd 3.25 500sd 13.40 1000sd 21.15 5M 18.00/M
Sun Fill Series
5-6ft; Pollen free with yellow flowers surrounding dark center. Grows vigorously under low temperature conditions. Manageable stem length under long days make it an excellent cut flower. Ht. 5’
Sunrich F1 Series
3-4 ft; bright colors, pollen free cut flower type, nonbranching, midsize 5-6” flowers. Early & day-neutral with flowering accelerated under short days. 55-70 days from sowing.
9328 Gold
100sd 3.30 500sd 14.90 1000sd 26.70 5M 22.70/M
9360 Green
100sd 5.25 500sd 24.45 1000sd 45.35 5M 37.75/M
Sunrich F1 Series
3-4 ft; bright colors, pollen free cut flower type, nonbranching, midsize 5-6” flowers. Early & day-neutral with flowering accelerated under short days. 55-70 days from sowing.
9328 Gold
100sd 3.30 500sd 14.90 1000sd 26.70 5M 22.70/M
9365 Purple
100sd 5.00 500sd 24.00 1000sd 45.00 5M 37.00/M
9288 Gold
100sd 3.25 500sd 13.95 1000sd 22.00 5M 21.00/M
9289 Lemon
100sd 3.00 500sd 12.00 1000sd 19.00 5M 17.00/M
9290 Orange
100sd 3.00 500sd 12.00 1000sd 19.00 5M 17.00/M
9365 Purple
100sd 5.00 500sd 24.00 1000sd 45.00 5M 37.00/M
9288 Gold
100sd 3.25 500sd 13.95 1000sd 22.00 5M 21.00/M
9289 Lemon
100sd 3.00 500sd 12.00 1000sd 19.00 5M 17.00/M
9290 Orange
100sd 3.00 500sd 12.00 1000sd 19.00 5M 17.00/M
9399 Sunrich DMR Orange F1 4 ft; resistant to Downy Mildew. The world’s first F1 pollen-free sunflower to have this trait. Produces cleaner crops with less chemical use. All other traits are like the original ‘Sunrich Orange’. Blooms in 65-85 days from sowing, depending on weather. Suitable for sowing and growing spring to summer.

9339 Sunrich DMR Orange. Suitable for sowing and growing spring to summer. Blooms in 65-85 days from sowing, depending on weather. All other traits are like the original ‘Sunrich Orange’. dew. The world’s first F1 pollen-free sunflower to have Open pollinated and economical for field grown.

Flowers 4-5" diam. borne on strong single stems. More Sunflowers are strongly overlapping, giving the flower a semi-early at 8-10 weeks. Broad, nicely rounded petals for year-round production. Short crop cycle, very Vincent’s Choice F1

Sweet Pea (Lathyrus odoratus) A

Approx. 300 sds/oz. Sow 4-6 weeks before spring sales or direct sow as early as ground can be worked. Germ in 10-14 days at 55-65°F. Excellent for cut flowers. Full sun; space 10” apart.

9358 Mammoth Mix Clumping variety w’ long stems and extra large flowers, good for cutting. 6 ft vine. 100sd 1.95 500sd 8.30 1000sd 13.75 5M 10.80/M

Sweet William

See Dianthus barbatus page 95

Thunbergia alata (Black-Eyed Susan)

P

9386 Mix Contains orange, white and yellow in plain and bicolor (dark eye).

9381 Orange Eye 100sd 8.00 500sd 37.15 1000sd 68.75 5M 56.30/M

Torenia

A

Approx. 26,000 pelts/oz. Sow about 8 weeks before spring sales. Seeds germinate in 14-20 days at 70°F. Old-fashioned annual for beds or pots in partial shade. Blooms summer to frost. Space 6-12”.

9411 Kauai Mix Pelleted. Offers the fullest range of bright, eye-catching colors. More manageable and cost effective on the bench. More compact habit, tighter 8-day bloom window and earlier than ‘Crown’. Ht. 6”.

100sd 3.25 500sd 14.20 1000sd 24.35 5M 20.70/M

Verbena

A

Approx. 10,000 sds/oz. Sow 12-14 weeks before spring sales. Germ in about 20 days at 70-75°F. Fine for bedding, pots in hot, dry areas. Blooms late spring to frost. Space 6-12” apart. Ht. 10-12”, spread 18”.

9475 Quartz Mix Large flowered with stronger germ than most Verbena. Prolonged bloom and stress tolerance due to Powdery Mildew resistance. Ht. 10-12”.

100sd 2.50 500sd 10.65 1000sd 17.65 5M 15.00/M 10M 13.60/M

Wildflowers

The ideal solution for a natural look where grassy lawns cannot be maintained. Once established, wildflowers are virtually maintenance-free and increase the value of your property. Perennial wildflower mixes are also popular along highways as they return every year.

See Page 112

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int’l)
Zinnia elegans

Approx. 3,000-3,500 sd/oz. Sow 4 weeks before spring sales. Germ in 5-7 days at 70-75°F. Full sun. Space 6-12” apart.

9742 Benary’s Giant Dahlia Flowered Gold Medal Mix ✂️ Long 4-5” semidouble flowers. Strong plants are excellent as field grown cutflowers. Ht. 3 ft. Mixture of 7 colors. Best sub for Benary’s Blue Point when needed.

100sd 1.55 500sd 2.40 1000sd 3.40 5M 2.95/M

Holi Series F1 6” spreading 8” pot, 8” spreading 10” gdn; Extremely heat tolerant, born & bred in hot-humid tropical conditions. Large 3-3.5” full double Dahlia type flowers. Superbly branching erect plants. Foliage stayed green and clean all summer, showing no sign of bacterial disease. Sowing to bloom in 65-70 days. For bedding & containers.

9721 Bright Pink 9730 Mix 9731 Scarlet 9722 Coral 9723 Ivory 9724 Mix 9725 Pink 9726 Red 9727 Rose 9728 Yellow

25sd 3.30 100sd 7.90 500sd 36.35 1000sd 66.45 5M 56.55/M

9744 Giant Dahlia Flowered Gold Medal Mix ✂️ Large 4-5” semidouble flowers. Strong plants are excellent as field grown cutflowers. Ht. 3 ft. Mixture of 7 colors. Best sub for Benary’s Blue Point when needed.

100sd 1.55 500sd 2.40 1000sd 3.40 5M 2.95/M

Magna Series ✂️ 36” tall x 12” wide; Large full double Dahlia-flowered blooms. Rich color range includes special bright green and a deep ruby red. For tall borders and specialty cutflowers in field or high tunnel.

9763 Gold 9766 Mix 9769 Pistachio 9770 Rose 9772 Ruby 9774 Wine

50sd 1.65 100sd 3.90 500sd 18.15 1000sd 33.70 5M 7.07/M

9747 Oklahoma Mix ✂️ Prolific medium size cut flower has very bright colors and is a heavy producer all season long. The ½- 2½” flowers are double with some semi-doubles. Resistant to Powdery Mildew. Ht. 30”.

100sd 1.55 500sd 4.85 1000sd 8.40 5M 6.70/M

NEW!

9763 Gold 9766 Mix 9769 Pistachio 9770 Rose 9772 Ruby 9774 Wine

50sd 1.65 100sd 3.90 500sd 18.15 1000sd 33.70 5M 7.07/M

9747 Oklahoma Mix ✂️ Prolific medium size cut flower has very bright colors and is a heavy producer all season long. The ½- 2½” flowers are double with some semi-doubles. Resistant to Powdery Mildew. Ht. 30”.

100sd 1.55 500sd 4.85 1000sd 8.40 5M 6.70/M

NEW!

9744 Giant Dahlia Flowered Gold Medal Mix ✂️ Large 4-5” semidouble flowers. Strong plants are excellent as field grown cutflowers. Ht. 3 ft. Mixture of 7 colors. Best sub for Benary’s Blue Point when needed.

100sd 1.55 500sd 2.40 1000sd 3.40 5M 2.95/M

Holi Series F1 6” spreading 8” pot, 8” spreading 10” gdn; Extremely heat tolerant, born & bred in hot-humid tropical conditions. Large 3-3.5” full double Dahlia type flowers. Superbly branching erect plants. Foliage stayed green and clean all summer, showing no sign of bacterial disease. Sowing to bloom in 65-70 days. For bedding & containers.

9721 Bright Pink 9730 Mix 9731 Scarlet 9722 Coral 9723 Ivory 9724 Mix 9725 Pink 9726 Red 9727 Rose 9728 Yellow
Queen Lime Series 30"; specialty cut flower that produces high yields of 3" fully double blooms, with an occasional outlier or semidouble. Their sturdy stems and fade resistant colors make them outstanding cuts with a long vase life. Also performs well in large pots & knee-high gardens.

9793 Lime 9795 Mix
9798 Lime Orange

25sd 1.95 100sd 4.70 500sd 21.95 1000sd 40.45 5M 33.70/M

9813 Short Stuff Mix F1 10"; more dwarf than other zinnias, but still show off large, fully double blooms. Ideal for jumbo packs, pots or garden.

25sd 3.85 100sd 9.20 500sd 42.25 1000sd 77.15 5M 65.15/M

9830 State Fair Mix 4 ft; Tetraploid mix. Giant flowers, extra thick stems, less susceptible to PM & Alt. Premium selected strain for professional fieldgrown cuts.

100sd 1.95 500sd 7.95 1000sd 12.30 5M 10.00/M

Swizzle F1 Series Vibrant bicolors are unique among dwarf zinnias. Produce a canopy of large fully double 4" flowers on dense and bushy plants. Ht. 10".

25sd 1.65 100sd 4.70 500sd 21.95 1000sd 41.55 5M 33.85/M

9837 Uproar Rose F1 Big 4" double Dahlia-type flowers. High yield of uniform, quality flowers are perfect for big containers, the garden or cut flower operations. Ht. 32" spreading to 2'.

25sd 5.55 100sd 13.25 500sd 61.25 1000sd 112.70 5M 95.90/M

9845 Yoga Mix Double flowers for the professional cut flower grower. Tall, unbranched flower stems with a high percentage of 6", fully double blooms. Best results sowing directly where the plants are to grow. Avoid transplanting. Ideal for growers that sell directly to the public. Ht. 3'.

100sd 1.55 500sd 2.35 1000sd 3.95 5M 1.45/M

9850 Zinnia Zowie! Yellow Flame F1 Gold with magenta centers and chocolate cone, 2" spreading to 2'. Robust spreading plants produce 4" double, bicolor flowers. Will sell.

25sd 5.55 100sd 13.25 500sd 61.25 1000sd 112.70 5M 95.90/M

NEW!
Zinnia Uproar Rose F1
Zinnia haageana A
9690 Aztec Burgundy Bicolor 6" spreading to 10"; nearly 100% double flowers. Petals burgundy with white tips. Very high contrast for easy, showy pack and bedding.

1000sd 10.65 5000sd 16.10 10000sd 30.50 5M 25.00/M

Zinnia hybridra A
Profusion Series Filmcoated. An interspecific cross results in uniform plants and long season color. Vivid 2" single blooms cover a dense bushy habit. Tolerant to powdery mildew and other Zinnia diseases. Ht. 12".

9704 Apricot 9705 Cherry 9706 Fire
9707 Mix 9709 Red

9714 Red Yellow Bicolor 9710 White

25sd 2.15 100sd 4.90 500sd 22.60 1000sd 41.55 5M 33.85/M

Profusion Double Series
9711 Double Deep Salmon
9712 Double Deep Hot Cherry
9713 Mix

25sd 2.15 100sd 4.90 500sd 22.60 1000sd 41.55 5M 33.85/M

Zinniamarylandica A
Zahara Double Series Fully double 2.5" flowers. Dependable leaf-spot and mildew resistance. Ht. 16-20".

9840 Cherry Intense cherry-pink
9843 Fire Bright, fiery orange
9844 Mix

25sd 1.65 100sd 3.95 500sd 18.20 1000sd 33.25 5M 28.30/M

9833 Zahara Single Mix 12" tall x 12" wide pot, 18" tall x 18" wide gdn; Large flrs & bright colors. Tolerates disease well and needs less water. Long bloom season. Good in pots, planters, bedding.

25sd 1.65 100sd 3.95 500sd 18.20 1000sd 33.25 5M 28.30/M

9860 Zahara Starlight Rose High disease tolerance and lower water needs make this an excellent choice for a long season. Performs well in containers and gardens. Ht. 12" spreading to 18".

25sd 1.65 100sd 3.95 500sd 18.20 1000sd 33.25 5M 28.30/M

Zinnia pumila A
9703 Cut and Come Again Double 2½" flowers bloom on long stems making it a choice cut flower. Mixture includes scarlet, shades of pink, yellow, white. Ht. 2'.

1000sd 1.55 5000sd 3.75 10000sd 6.50 5M 4.65/M

To Order Call: 800-622-7333 (USA) or 864-227-5140 (Int'l)
Wildflowers

The ideal solution for a natural look where grassy lawns cannot be maintained. Once established, wildflowers are virtually maintenance-free and increase the value of your property. Perennial wildflower mixes are also popular along highways as they return every year.

**Culture:** Prepare seed bed as you would for any garden. For large areas, use a disc. Scatter the seeds evenly on the surface of loose soil. For fine seed, it is recommended to blend with coarse sand before sowing. Rake the seeds lightly into the soil but do not cover. In dry areas, sprinkle the seed lightly. Average germ is 80-90%.

**9906 Cut Flower Mix** Annual. Approx. 692,000 seeds/lb. Composed of 16 different tall annuals with colors ranging from blue, yellow/maroon, yellow, sky blue, white, pink, red. Approx. 7 lbs./acre.

**9918 Northeastern Mix** Approx. 664,400 seeds/ lb. Contains 19 varieties (9 annuals and 10 perennials) with colors including white, pink, purple, violet, blue, orange, yellow, maroon, red, and scarlet. Approx. 7 lbs/acre.

**9924 Perennial Mix** Perennial. Approx. 812,000 seeds/lb. Composed of 12 perennials with colors ranging from white, red, violet, blue, orange, maroon, pink, purple, cream, and yellow. Approx. 6 lbs./acre.

**9930 Southeastern Mix** Approx. 425,000 seeds/lb. Contains 23 varieties (13 annuals and 10 perennials) with colors ranging from white, yellow, maroon, orange, pink, crimson, purple, red, violet, scarlet and rose. Approx. 11 lbs./acre.

**Prices for all Wildflower Mixes:**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4 oz</td>
<td>1.55</td>
</tr>
<tr>
<td>1 oz</td>
<td>3.85</td>
</tr>
<tr>
<td>1/4 lb</td>
<td>12.85</td>
</tr>
<tr>
<td>1 lb</td>
<td>43.00</td>
</tr>
<tr>
<td>5 lb</td>
<td>37.75/lb</td>
</tr>
</tbody>
</table>

**When to Plant Wildflower Seed**

The best time to plant in your area depends on the climate and rainfall patterns, as well as the species you are planting. In cool climates plant annuals, perennials or mixtures of annuals and perennials in spring, early summer or late fall. Fall planting should be late enough so that seeds do not germinate until spring. Perennials can also be sown in early fall provided that there are at least 10-12 weeks of growing time before the plants go dormant for the winter. Late fall plantings are advantageous when supplemental irrigation cannot be provided and adequate rainfall is anticipated in the spring. In mild climates, plant during the cooler months of the year, fall through spring, for best results. Fall plantings done prior to periods of rainfall will insure an early display of flowers the following spring.

**Site Preparation**

Proper site preparation is important for prompt germination of seed and healthy growth of seedlings. Best results will be obtained by planting on cleared ground. Remove existing vegetation to avoid competition from other plants. This may be done by pulling, tillling under, spraying with a general herbicide, or by a combination of these methods, depending upon the size of the area, type and density of vegetation and other factors. Loosen soil by scraping, tillling or scarifying. Tilling should be used utilized only when soil is very compacted and further weed control measures can be taken.

**Seed Application**

Method of application depends on the size of the area and the terrain. On small areas, broadcast seeds evenly either by hand or by use of a drop or cyclone spreader. It is helpful to mix in a carrier such as clean dry sand with the seed; sand adds volume and aids in even distribution of your seeds. We recommend using a ratio of 1 to 2 parts sand to 1 part seed. Rake in lightly covering seeds to a maximum depth of 2-3 times their thickness. Or drag the area lightly with a piece of chain length fence to mix the seed into the surface of the soil. For seeding large areas over one acre, specially designed seed drills are most effective. Drill to a maximum of 1/4 inch and firm soil with a culti-packer; this maximizes seed/soil contact.

**Moisture**

All seeds, including wildflowers, need ample moisture to germinate and to develop into healthy seedlings. Best results will be obtained by soaking the planted areas thoroughly and maintaining consistent moisture for 4 to 6 weeks -- then gradually reducing watering in non-irrigated situations, plant in the spring or before periods at anticipated rainfall. After seedlings are established, watering may be reduced depending on the climate and rainfall. In arid climates or during drought conditions, up to 1/2 inch of supplemental water per week may be required to maintain an optimal display. If weeds are present, remember that they benefit from moisture as much as the wildflowers and may dominate over watered areas.

Go to our website [www.twilleyseed.com](http://www.twilleyseed.com) for a live link to Land Grant Universities and Colleges. You may also contact us for a printed copy. These institutions have Cooperative Extension offices that can assist you with regional climate and growing information.
### Jiffy-7 Peat Pellets

Pot and planting mix in one. Compressed pellets of peat moss expand when wet to form self-contained pots for direct-seeding, transplanting or sticking cuttings. Provide conditions for better root development and growth, consistent plant quality; Won't fall apart; transplant as is without disturbing roots. Expanded size 2 ¾" x 1 ¼" across.

9978 Jiffy-7 Peat Pellets for Florists (42mm)
Larger opening for sticking cuttings; also fine for seedlings. Case of 1,000 pellets (weight: 26 lbs.)

$106.25/case plus delivery

### Plastic Plant Labels

Durable, flexible, unprinted white plastic labels 4" x ¾".

<table>
<thead>
<tr>
<th>Description</th>
<th>Price per Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>9964 Pack of 200</td>
<td>$16.15/each</td>
</tr>
<tr>
<td>9986 Pack of 1,000</td>
<td>$87.30/each</td>
</tr>
</tbody>
</table>

### Twist-Ems Ties

Economical, continuous handy roll for tying all plants, vines and vegetables. Ideal for use in flower arrangements. Easy to cut to any length. 200 ft. roll.

9985 $10.35/each

### Vegetable Sowing Guide

<table>
<thead>
<tr>
<th>Vegetable</th>
<th>Seed Depth</th>
<th>Days to Germinate</th>
<th>Ideal Soil Temperature</th>
<th>Hardiness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artichoke</td>
<td>½”</td>
<td>14-18</td>
<td>65-85</td>
<td>MH</td>
</tr>
<tr>
<td>Asparagus</td>
<td>¾”</td>
<td>14-21</td>
<td>75-80</td>
<td>T</td>
</tr>
<tr>
<td>Bean, Bush/Dry/Pole/Soy</td>
<td>1”</td>
<td>6-9</td>
<td>60-90</td>
<td>T</td>
</tr>
<tr>
<td>Bean, Lima</td>
<td>1”</td>
<td>6-9</td>
<td>70-85</td>
<td>VT</td>
</tr>
<tr>
<td>Beet</td>
<td>½”</td>
<td>5-14</td>
<td>60-85</td>
<td>H</td>
</tr>
<tr>
<td>Broccoli</td>
<td>½”</td>
<td>5-10</td>
<td>65-85</td>
<td>MH</td>
</tr>
<tr>
<td>Brussels Sprouts</td>
<td>¾”</td>
<td>5-10</td>
<td>65-85</td>
<td>MH</td>
</tr>
<tr>
<td>Cabbage</td>
<td>½”</td>
<td>5-10</td>
<td>55-95</td>
<td>MH</td>
</tr>
<tr>
<td>Carrot</td>
<td>½”</td>
<td>12-15</td>
<td>60-85</td>
<td>H</td>
</tr>
<tr>
<td>Cauliflower</td>
<td>¼”</td>
<td>5-10</td>
<td>55-80</td>
<td>MH</td>
</tr>
<tr>
<td>Celery</td>
<td>¼”</td>
<td>14-21</td>
<td>59-70</td>
<td>T</td>
</tr>
<tr>
<td>Chinese Cabbage</td>
<td>¾”</td>
<td>4-7</td>
<td>70-95</td>
<td>MH</td>
</tr>
<tr>
<td>Corn, Sweet</td>
<td>1”</td>
<td>8-12</td>
<td>60-95</td>
<td>T</td>
</tr>
<tr>
<td>Cucumber</td>
<td>½”</td>
<td>6-10</td>
<td>65-85</td>
<td>VT</td>
</tr>
<tr>
<td>Eggplant</td>
<td>½”</td>
<td>7-14</td>
<td>75-90</td>
<td>T</td>
</tr>
<tr>
<td>Gourds</td>
<td>½”</td>
<td>3-10</td>
<td>70-90</td>
<td>T</td>
</tr>
<tr>
<td>Kale/Collards</td>
<td>¼”</td>
<td>5-10</td>
<td>65-85</td>
<td>VH</td>
</tr>
<tr>
<td>Kohlrabi</td>
<td>¼”</td>
<td>5-10</td>
<td>65-85</td>
<td>MH</td>
</tr>
<tr>
<td>Leek</td>
<td>½”</td>
<td>5-7</td>
<td>60-70</td>
<td>MH</td>
</tr>
<tr>
<td>Lettuce</td>
<td>¾”</td>
<td>4-10</td>
<td>40-80</td>
<td>H</td>
</tr>
<tr>
<td>Melon</td>
<td>½”</td>
<td>4-10</td>
<td>75-95</td>
<td>VT</td>
</tr>
<tr>
<td>Mustard</td>
<td>¼”</td>
<td>5-10</td>
<td>65-85</td>
<td>MH</td>
</tr>
<tr>
<td>Okra</td>
<td>¼”</td>
<td>6-14</td>
<td>70-90</td>
<td>VT</td>
</tr>
<tr>
<td>Onion/Shallots</td>
<td>½”</td>
<td>10-12</td>
<td>60-70</td>
<td>MH</td>
</tr>
<tr>
<td>Parsley</td>
<td>¼”</td>
<td>14-30</td>
<td>50-80</td>
<td>VH</td>
</tr>
<tr>
<td>Parsnip</td>
<td>½”</td>
<td>15-25</td>
<td>55-77</td>
<td>VH</td>
</tr>
<tr>
<td>Pea</td>
<td>¾”</td>
<td>7-14</td>
<td>50-75</td>
<td>H</td>
</tr>
<tr>
<td>Pepper</td>
<td>¼”</td>
<td>10-20</td>
<td>68-95</td>
<td>VT</td>
</tr>
<tr>
<td>Pumpkin</td>
<td>1”</td>
<td>7-10</td>
<td>70-90</td>
<td>MH</td>
</tr>
<tr>
<td>Radish</td>
<td>½”</td>
<td>4-10</td>
<td>55-85</td>
<td>H</td>
</tr>
<tr>
<td>Rutabaga/Turnip</td>
<td>¾”</td>
<td>7-14</td>
<td>60-95</td>
<td>H</td>
</tr>
<tr>
<td>Spinach</td>
<td>½”</td>
<td>4-10</td>
<td>45-65</td>
<td>VH</td>
</tr>
<tr>
<td>Summer Squash</td>
<td>1”</td>
<td>4-12</td>
<td>70-90</td>
<td>T</td>
</tr>
<tr>
<td>Winter Squash</td>
<td>1”</td>
<td>4-12</td>
<td>70-90</td>
<td>MH</td>
</tr>
<tr>
<td>Tomato</td>
<td>¾”</td>
<td>6-14</td>
<td>60-85</td>
<td>T</td>
</tr>
<tr>
<td>Watermelon</td>
<td>½”</td>
<td>4-12</td>
<td>75-95</td>
<td>VT</td>
</tr>
</tbody>
</table>

### Hardiness Rating

- VT = very tender; killed by frost; could be damaged by temperatures under 40
- T = tender; killed by frost
- MH = moderately hardy; survives light frosts
- H = hardy; survives frost usually into the low twenties
- VH = very hardy; will overwinter if protected

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Thank you to fedcoseeds.com for the above information
Twilley Seed owners, George and Barbara Park contribute knowledge and a passion for growing to All America Selections, the country’s most prestigious home garden testing program. Independent judges across the U.S. compare blind entries to similar tried-and-true varieties and carefully score each one to determine AAS winners. Judges look for many elements of success, including total yield, disease resistance, length of harvest, novel color or flavor and overall performance. Twilley Seed is honored to have the opportunity to host a trial garden every year. Keep an eye out for the AAS Winner symbol throughout this catalog!

All-America Selections Winners

Regional

Acknowledging that geographic differences are an important part of agriculture, AAS rewards entries that have superior regional performance. A variety that performs well in a specific area or region gives the consumer greater potential for success. To keep the regional division fairly simple, North America was divided into six regions: Northeast, Southeast, Great Lakes, Heartland, Mountain/Southwest, West/Northwest.
All-America Selections Winners

National

For years, Twilley has been proud to offer you the AAS winners — and they have been wonderful performers. We confidently recommend these newcomers as excellent varieties for pack, pot and garden. Grow and feature them because your customers will ask for them by name due to widespread press coverage.

You'll see a difference in your profits!

Cucumber Green Light F1
Pepper Buffy F1
Tomato Early Resilience F1
Potato Clancy F1
Tomato Red Torch F1
Basil Dolce Fresca
Zinnia Queen Lime Orange
Sweet Corn American Dream F1
Zinnia Profusion Red Yellow Bicolor F1