

2022 ORGANIC SEED CATALOG



**FREE**  
**Shipping**

On orders over \$50, see p. 62

100% Certified Organic, Non-GMO Project Verified Seeds



[highmowingseeds.com](http://highmowingseeds.com)



# Welcome



This year's catalog theme is beneficials. We may first think of beneficial insects helping us deal with pests naturally or rhizobia bacteria on legume roots helping to fix nitrogen for their host plants. To me, the most compelling and inspiring, mutualistic (win-win) relationships in nature are those where the pair of organisms are widely different. Like an egret riding around and eating mites off a rhino's back or the Egyptian plover bird that crocodiles open their mouths for so it can pick their teeth. The surprising mash-up and the potential danger is just so cool.

The truth is that beneficials are all around us and I think some of the most powerful ones are where we might least expect them. Can beneficial relationships

come from areas that seem uncomfortable? What can we learn from conventional growers and our direct competition? What can we learn from our own fears? When we block ourselves from "the other" (both within and outside) are we missing an important opportunity? Aren't our aims of planetary and community healing important enough to see teachers in everything?

When I started High Mowing 26 years ago, I sought out and was regularly welcomed by many potential competitors and largely conventional seed companies. In some cases, I spent days with these wonderfully open and generous people. We have continued to open our doors and share with any seed companies that want to visit, including all those who welcomed us long ago.

*Sometimes our own discomfort is a beneficial and perhaps our shadows are our biggest beneficial of all; waiting for us to be open to the parts of ourselves and our world that need the most compassion, understanding and healing.*

It is through engagement with "the other" that symbiosis can express itself in surprising ways. May we all benefit from connecting with unfamiliar and diverse places.

Founder and Chairman

COVER PHOTO: We are grateful for the beneficial work of our trials team. Pictured left to right: Paul, Monique, Taylor, Zach, and Amanda. Learn more on p. 90.

## 4 EASY WAYS TO ORDER

### PHONE

(866) 735-4454 toll free

### HOURS:

**January-April:** M-F 8am-6pm, Sat 9am-5pm

**May-December:** M-F 9am-5pm

### WEB

[highmowingseeds.com](http://highmowingseeds.com)

### FAX

(802) 472-3201

Fax the order form (p. 62) anytime.

### MAIL

Send the order form (p. 62) to:

**High Mowing Organic Seeds**

**76 Quarry Road, Wolcott, VT 05680**

### PAYMENT OPTIONS

Mail orders can be paid for by check, money order or credit card (Mastercard, Visa, Discover or American Express). Fax, phone and web orders can be paid for by credit card.

### LIMITATION OF LIABILITY

Farming or gardening is risky business, with weather extremes and many other variables outside our control. The responsibility of High Mowing Organic Seeds extends only to the purchase price of the seed.

*\*Prices are in effect through November 1, 2022 and are subject to change.*

We offer

**Free Shipping!\***

*\*On orders over \$50, see page 62 for details.*

## The Safe Seed Pledge

*In 1999 High Mowing Organic Seeds guided a coalition of 9 other seed companies in drafting a statement about the signers' stance on genetic engineering.*

"Agriculture and seeds provide the basis upon which our lives depend. We must protect this foundation as a safe and genetically stable source for future generations. For the benefit of all farmers, gardeners and consumers who want an alternative, we pledge that we do not knowingly buy or sell genetically engineered seeds or plants. The mechanical transfer of genetic material outside of natural reproductive methods and between generations, families or kingdoms poses great biological risks, as well as economic, political and cultural threats. We feel that genetically engineered varieties have been insufficiently tested prior to public release. More research and testing is necessary to further assess the potential risks of genetically engineered seeds. Further, we wish to support agricultural progress that leads to healthier soils, genetically diverse agricultural ecosystems and ultimately healthy people and communities."



# 55 New Varieties for 2022



2026 Red Tail Snap Bush Bean .....	5	2589P Ezflor Eazyleaf Lettuce .....	50	2997 Enroza F1 Greenhouse Tomato.....	91
2027 Forrester Romano Bush Bean.....	6	2622P Ezpark Eazyleaf Lettuce .....	50	3029 Mountain Merit F1 Slicer Tomato .....	93
2293 Divino F1 Brussels Sprout.....	13	2621P Rhone Eazyleaf Lettuce .....	50	3018 Moonshadow Galaxy Suite Cherry Tomato .....	95
2380 Megaton F1 Green Cabbage.....	14	2560P Bauer Mini Green Oakleaf.....	51	3231 Red Amber F1 Seedless Watermelon.....	102
2383 Expect F1 Green Cabbage.....	15	2595P Muir Green Leaf Lettuce .....	52	5045 Dill Delight.....	105
2370 Primero F1 Red Cabbage .....	15	2710 Amber Yellow Onion.....	63	6022 Lavender.....	105
2374 Amaran Red Cabbage.....	15	2761 Sweet Gem™ Snap Pea.....	68	5103 Grune Perle Parsley.....	106
2367 Klimaro F1 Overwintering Cabbage.....	16	2739 Avalanche Snow Pea .....	68	2499 Red Veined Sorrel .....	107
2331 Caravel F1 Main Season Carrot.....	19	2738 Blizzard Snow Pea.....	68	7056 Sunball Craspedia.....	108
2292 Bermeo F1 Cauliflower.....	21	2834 Cubo Orange Bell Pepper.....	70	7091 Sweet Annie Artemisia.....	109
2372 Tap Dancer Popcorn.....	26	2831 Black Magic F1 Jalapeño Pepper.....	72	7218 Supercrest Mix Celosia.....	109
2418 Poniente F1 European Slicer Cucumber .....	28	2842 Highlander F1 Anaheim Pepper .....	72	7217 Red Flame Celosia.....	109
2417 Telegraph Improved European Slicer Cucumber.....	29	84180 Gold Rush Russet Potato .....	75	7219 Volcano Mix Dianthus .....	110
2439 Excelsior F1 Pickling Cucumber.....	29	84155 Satina Potato .....	76	7221 Nigella.....	111
1741-QMG Red Rambo Radish Microgreen.....	43	2902 Ladoga F1 Zucchini.....	85	7220 Rudbeckia.....	112
2499-QMG Red Veined Sorrel Microgreen.....	43	2922 Table Sugar F1 Acorn Winter Squash .....	87	7104 Golden Ray F1 Sunflower.....	112
1708-QMG Triton Radish Microgreen.....	43	2924 Butterscotch PMR F1 Butternut Winter Squash .....	88	7154 Dwarf Thumbolina Zinnia.....	114
1724-QMG Blaze Mix Microgreen.....	44	2989 GinFiz F1 Greenhouse Tomato .....	91		
2709 Lancelot Summer Leek.....	48	2996 MaiTai F1 Greenhouse Tomato .....	91		

# Supplies

Potting up plants at Nourishing Acres in Cedar Grove, North Carolina using a 2-yard sling of Fort Vee™ Potting Mix from Vermont Compost Company.

It is our mission at High Mowing to source the best, highest quality supplies to support the success of your gardens and farms. Our supplies have been evaluated by our experienced team for usability, durability and, whenever possible, their potential for

long-term use. All trays and pots in this category are compatible and can be used together to design an efficient seedling propagation system.



## POTTING SOIL

**new** 94750 / 94752 **Fort Vee™ Potting Mix**  
A rich, organic compost-based potting soil made by Vermont Compost Company that is perfect for seed starting and transplants in trays, pots and soil blocks. Blended from composted manure and plant materials, blonde horticultural-grade sphagnum peat moss, crushed and screened granite and basalt, blood meal, kelp meal, steamed bone meal, mined gypsum, vermiculite, washed coconut coir, and the biodynamic preparations. This well-balanced blend will increase the nutrient, mineral, and antioxidant levels of your seedlings at a crucial stage in their development. The preferred germination medium of our trials manager.

20-Quart Bags (21 lbs) - Fills ~20 50-cell flats, ~5 72-cell flats and ~6 128-cell flats.  
2-Yard Slings (1,750 lbs) - Fills ~340 50-cell flats, ~394 72-cell flats and ~486 128-cell flats.

**94750** (20-quart bag): **\$19.92** \*Add \$14 for shipping charges.  
**94752** (2-yard sling): **\$600.00** \*Please call for a shipping quote.

## LABELS

**new** 94798 **Wooden Pot Labels**  
4 in. x 5/8 in. natural wood pot labels for seedling trays, pots, and containers.  
**20 labels: \$3.95, 100 labels: \$12.10**

## TRAYS AND POTS

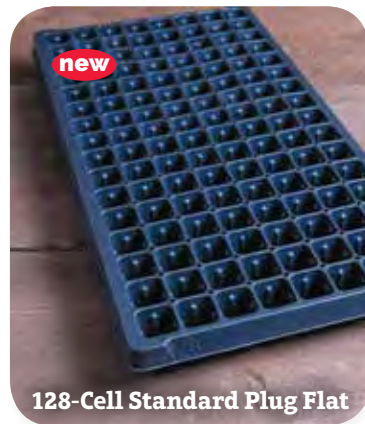


**new** 94621 **1020 Open Flat with Holes**  
Sturdy plastic trays with solid walls and drainage slots. Perfect as a seedling starter tray, microgreens tray, hydroponic tray, wheatgrass tray, and under other plug flat trays, pots, and other seedling propagation containers for additional support.

Width (in.): 10.94, Length (in.): 21.44, Depth (in.): 2.44.  
**1 flat: \$3.95, 10 flats: \$26.00, 50 flats: \$115.00**

**new** 94622 **50-Cell Standard Plug Flat**  
Standard sized 50-cell flat for seedling propagation. Cells are square and have a drainage hole. Trays are durable and can be used for multiple growing seasons with proper care.

Width (in.): 11, Length (in.): 21.22, Depth (in.): 2.37.  
**1 flat: \$4.05, 10 flats: \$35.00, 50 flats: \$135.00**



**new** 94623 **72-Cell Standard Plug Flat**  
Standard sized 72-cell flat for seedling propagation. Cells are square and have a drainage hole. Trays are durable and can be used for multiple growing seasons with proper care.

Width (in.): 11, Length (in.): 21.22, Depth (in.): 2.25.  
**1 flat: \$4.05, 10 flats: \$35.00, 50 flats: \$135.00**

**new** 94624 **128-Cell Standard Plug Flat**  
Standard sized 128-cell flat for seedling propagation. Cells are square and have a drainage hole. Trays are durable and can be used for multiple growing seasons with proper care.

Width (in.): 11, Length (in.): 21.22, Depth (in.): 2.  
**1 flat: \$4.05, 10 flats: \$35.00, 50 flats: \$135.00**

**new** 94625 **Medium Weight Carrying Tray**

Carrying tray for use under standardized plug flats, plastic and compostable pots, and other seedling propagation containers. Flexible trays with durable construction using quality, blended recycled raw materials with additives. Carrying tray extends the life of seedling flats and can be used to transport flats safely to the field. Designed to last for multi-season use. Compatible with all of our standardized plug trays.

Width (in.): 10.5, Length (in.): 21.125, Depth (in.): 2.5.  
1 tray: \$3.75, 10 trays: \$28.00, 50 trays: \$95.00



Medium Weight Carrying Tray



Fertil 3.5" Compostable Pot

**new** 94797 **Fertil 3.5" Compostable Pot**

OMRI-listed fully biodegradable 3.5x3.5 in. pots designed to be planted directly into soil. Pots are lightweight and permeable, offering good air flow, letting water well without the need for drainage holes. Square construction prevents pots from rolling out of carrying trays. Can be planted directly into the ground, raised bed, or container, reducing transplant shock and waste. Made from wood fibers with small amounts of peat and limestone. No glues or binders. 18 pots per Medium Weight Carrying Tray.

Width (in.): 3.5, Length (in.): 3.5, Depth (in.): 3.5.  
18 pots: \$4.95, 90 pots: \$17.00



Seed Starting Kit

94549 **Seed Starting Kit**

Our organic Seed Starting Kit - everything you need, but the seeds. Our seed starting kit is perfect for growing your own healthy seedlings or indoor greens. When growing indoor greens such as shoots or microgreens, plant directly in the standard 1020 tray. For starting seedlings, plant in the 50-cell tray. \$19.10

The kit includes:

- A 50-Cell Tray for starting vegetable, herb and flower seedlings
- A Clear Propagation Dome for ensuring strong germination
- A Standard 1020 Tray - without drainage holes
- A 6-quart bag of Vermont Compost Company Fort Vee™ Potting Soil, approved for organic growing by Vermont Organic Farmers (VOF) certifying agency

**INOCULANTS**

94535 / 94536 **Guard-N® for Peas and Vetch**

Guard-N® contains several strains of rhizobia bacteria to stimulate the development of nitrogen-producing nodules on the roots of leguminous plants. Inoculation of legumes dramatically increases yields, improves soil conditions, and boosts overall plant vigor. Correct inoculant selection for the variety of legume being grown is critical for successful nitrogen fixation. This all-purpose organic inoculant is for shell peas, snap peas, field peas, dry beans, snap beans, lima beans, fava beans, lentils, vetch and most other peas or beans.

Rhizobia strains in this product include: *Bradyrhizobium japonicum*, *Bradyrhizobium* sp. (Vigna), *Rhizobium leguminosarum biovar viceae* and *Rhizobium leguminosarum biovar phaseoli*.

94535 (1.5 oz, treats 8 lbs): \$13.80  
94536 (6 oz, treats 50 lbs): \$15.90



Guard-N® for Peas and Vetch



Side Grafting Clips

**CLIPS**

94938 **Side Grafting Clips**

Spring-loaded side grafting clips.  
10 clips: \$2.65, 25 clips: \$5.30, 100 clips: \$15.90

94928 / 94929 **Top Grafting Clips**

Silicon top grafting clips available in two sizes, 1.5mm and 2.0mm.  
194928 (1.5mm): 10 clips: \$2.10, 25 clips: \$3.70, 100 clips: \$8.50  
194929 (2mm): 10 clips: \$2.40, 25 clips: \$4.25, 100 clips: \$9.55

94925 **Trellis Clips**

The industry standard for trellising greenhouse tomatoes. Simply attach tomato twine to greenhouse frame, clamp twine between clip hinges, then close the clip around tomato plant leaders for sturdy support. Accommodates stem diameters up to 3/4 in., also suitable for cucumbers and other vining crops. Releases easily to adjust or reuse over multiple seasons. 100 clips: \$10.25, 500 clips: \$29.00, 1M clips: \$49.00, 5M clips: \$165.00



Top Grafting Clips



Trellis Clips

**HARVESTING**

94942 **Harvest Knife**

Our white-handled Victorinox harvest knife features our logo on the serrated blade. Suitable for delicate harvests as well as light pruning on tough stems, these 3.25 in. blades will stay sharp all season long. Made in Switzerland with a lifetime warranty. \$10.25

94943 **Victorinox Knife Sheath**

The Victorinox Nylon Knife Sheath accommodates the HMOS harvest knife with a blade up to 3.25 in. in length. Meant to slide onto a belt or pocket and is perfect for storing your knife during long harvest days. \$12.50



Harvest Knife & Sheath

# What's in a description? Here's what you'll find in our variety listings:

**VARIETY NAME**

**ITEM CODE**

**DAYS TO MATURITY:**

From transplant if a commonly transplanted crop or from seeding if commonly direct sown; based on Vermont conditions.

**PROTECTION STATUS CATEGORIES**

Look for these notations in the first line of the variety descriptions:

**VARIETY FEATURES LINE:**

- Indicates if variety is OP (open-pollinated), HEIRLOOM or HYBRID.
- Indicates if protection status category of variety is OSSI (Open Source Seed Initiative), UP (Utility Patent), or PVP (Plant Variety Protected). See key on right hand side of this page for details.
- Indicates intermediate (IR) or high (HR) resistances—resistance key is in the crop type's Cultural Information.
- Indicates useful information such as fruit size, commercial uses and other important attributes that make the variety unique.

2026 **Red Tail** 55 days

OP • PVP • HR: **BCMV, CTV** / IR: **R** • Vigorous bush • 5.5-6" pods  
**Broadly adapted, prolific plants with exceptionally high yields of attractive, flavorful beans.** The highest yielding bush bean in our trials program, plants are laden with 5.5-6" pods. Dark green, shiny beans are uniform and straight making for an efficient, reliable harvest. From our partners at EarthWork Seeds. White seeds.

**ATTRIBUTION:**

Certain varieties that were bred by our partners, public or independent breeders have been identified at the end of the descriptions.

**OSSI - Open Source Seed Initiative.** These varieties have been protected under the OSSI's pledge and the germplasm is open, unrestricted, available for utilization by the general public in perpetuity and can never be patented or restricted.

**UP - Utility Patent.** Variety has patented genetic attributes that disallow an individual from saving, breeding with, or selling seed from parent plants. Lasting 20 years, this patent protects plant breeders' investments in the development of improved varieties.

**PVP - Plant Variety Protected.** Protects unique seed and tuber varieties by prohibiting unauthorized commercialization. Lasting 20 years, this protection guards the work of breeders who develop uncommon and desirable traits in both open-pollinated and hybrid varieties. Breeding with and saving seed from these varieties is allowed.

# Artichokes

*Cynara scolymus*

An abundant display of Tavor artichoke buds ready for harvest.

**CULTURAL INFO:** Days to maturity are from transplanting. Although artichokes are perennials, certain varieties can be grown as annuals, even in cold climates. Start seeds indoors at least 10 weeks before the last frost date. Plant ¼" deep and keep at 65-70°F. Transplant to larger pots or cells when roots are well developed. Harden off before planting outside, but get them out 10 days or more before the last frost date so they'll experience temperatures between 40-50°F. They can tolerate light frost, but protect if harder frost is expected. Soil preparation is required as artichokes do best in rich, well-drained soil with

neutral to slightly acidic pH between 6.0 and 7.0. Fertilize heavily at planting and continue to side dress in the early season of rapid growth.

**SEED SPECS:** 560-680 (625 avg) seeds/oz, 9-11M seeds/lb. M=1,000. Direct seeding rate, 2 seeds every 12", thin to 1 plant in rows 5' apart. Transplants: 24"-30" apart in rows 5' apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.



Wonder® F1



Tavor

1505 **Wonder® F1** 88 days

HYBRID • UP • Spineless • High yielding

**High-quality spineless hybrid with excellent flavor.** After a long search, we are quite pleased with this hybrid artichoke with exceptional performance. Has pear shaped, dense 5" heads with good, bright color. Very firm with a tender and delicious center. From our partners at Genesis Seeds.

1501 **Tavor** 90 days

OP • 3-4' tall • Improved Imperial Star-type

**Improved Imperial Star-type adapted for organic production.** Nearly spineless plants yield 7-8 artichokes averaging 4.5" in diameter. Artichokes are green with purple tips and are buttery and tender when steamed. Can be grown as an annual from seed in one season.

ARTICHOKE SEED - SOLD BY SEED COUNT

	10	100	250	500	1 M	5 M
1501 Tavor	\$ 3.25	\$ 13.25	\$ 26.50	\$ 45.60	\$ 74.20	\$ 64.66/M
1505 Wonder® F1	\$ 4.20	\$ 16.95	\$ 29.70	\$ 50.90	\$ 79.50	\$ 74.20/M

Larger volumes available; please call for pricing.

# Beans *Phaseolus vulgaris*



Nikita, Morgan, Lillian, Demario and farm owner Joe are all smiles in the Maxibel patch at Love is Love Farm in Atlanta, Georgia.

**CULTURAL INFO:** Days to maturity are from direct seeding. Beans are tender annuals that prefer full sun, average fertility and well-drained soils. Bush varieties do not require support, but pole varieties will require varying amounts. Direct seed after all danger of frost has passed. Inoculant may be used to increase yields. Optimal soil temperature for germination is 75-95°F. Beans are particularly sensitive to cool soils and may rot at soil temperatures below 55°F. Germination is apparent within 7-10 days. Snap beans can be sown through the summer every 1-2 weeks for a continuous harvest all season. Store unwashed snap beans at 40°F and 90% humidity for 7-10 days; can or freeze for long term storage. Dry beans should be harvested when pods are at least 70% brown and threshed when pods are dry enough to break easily. Dry the threshed beans to approximately 10-15% moisture before storage or allow to continue drying in breathable bags.

**DISEASE & PESTS:** Root rot is caused by several different soil-borne fungi;

prevent by planting into well-drained soil when temperatures have warmed. To avoid disease, only handle plants in dry conditions. Wide spacing allows more airflow between plants, helping to dry plant surfaces. Infected plants should be removed immediately.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **AN-Anthracnose**, **BBS-Bacterial Brown Spot**, **BCMV-Bean Common Mosaic Necrosis Virus**, **BCMV-Bean Common Mosaic Virus** (races indicated if known), **CTV-Curly Top Virus**, **DM-Downy Mildew**, **FW-Fusarium Wilt**, **HB-Halo Blight**, **PM-Powdery Mildew**, **PMV-Pod Mottle Virus**, **R-Rust**

**SEED SPECS:** 70-220 (145 avg) seeds/oz, 1.1-3.5M (2.3M avg) seeds/lb. M=1,000. **1 oz approx. 145 seeds.** Direct seeding rate: Bush, 8 seeds/foot in rows 18-30" apart. Pole, 8 seeds/foot in rows 5' apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## SNAP BUSH

### 2210 **Provider** 50 days

OP • HR: **BCMV**, **PM** • 5-6" uniform pods

**The standard fresh market variety for green beans.** Provider comes through every year with early, heavy yields of attractive, uniform beans. Plants are vigorous and productive with strong root systems, even under adverse conditions. Good resistance to mildew and virus. Purple seeds.

### 2024 **Magnum** 51 days

OP • HR: **BCMV** • Early maturing • 7-9" pods

**Uniform, flat and extra tender bush bean with Kentucky Wonder flavor.** These prolific producers of beautiful beans set fruit high on the plant and are a great substitute for Kentucky Wonder pole beans where space and/or trellising are an issue. Beans are tender and deep green with impressive length and irresistible flavor and crunch. Dark brown seeds.

### 2022 **Jade** 55 days

OP • HR: **BCMV** / IR: **BBS**, **CTV**, **R** • Heat tolerant • 6-7" long pods

**Gourmet-quality long, slender, stringless green beans.** Commercial yields of glossy, medium green beans for fresh market sales or the garden. Large, 18-22" tall plants produce yields comparable to Provider and Strike. Pale green seeds.

### **new** 2026 **Red Tail** 55 days

OP • PVP • HR: **BCMV**, **CTV** / IR: **R** • Vigorous bush • 5.5-6" pods

**Broadly adapted, prolific plants with exceptionally high yields of attractive, flavorful beans.** The highest yielding bush bean in our trials program, plants are laden with 5.5-6" pods. Dark green, shiny beans are uniform and straight making for an efficient, reliable harvest. From our partners at EarthWork Seeds. White seeds.

### 2255 **Strike** 55 days

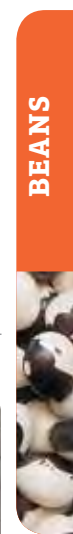
OP • HR: **BCMV** • Suitable for mechanical harvest • 5-6" pods

**Strike it rich with heavy harvests ideal for processing or freezing.** Stringless, smooth beans are medium green in color. Strike is known for its concentrated pod set; great for canning. Widely adapted, disease-resistant variety. White seeds.

### 2205 **Antigua** 60 days

OP • HR: **AN**, **BCMV** / IR: **HB** • Suitable for mechanical harvest • 5" pods

**Impressive yields of beautiful dark green pods on widely adapted plants.** The darkest green bush bean of any variety we saw in our trials. Very upright, 18" tall plants offer excellent disease resistance and form a plethora of uniform pods that are suitable for mechanical harvests. Developed for the processing industry to offer commercial yields of beans that are good for blanching. From our partners at Pure Line Seeds. White seeds.





Celine



Mardi Gras Blend



Tavera Haricot Vert



Dragon Langerie



Roma II



Gold Rush Yellow Wax



Royal Burgundy



Maxibel Haricot Vert



Forrester

## GROWER'S CHOICE

“ Our farm team loves how the **Mardi Gras Blend** germinates and matures on the same schedule allowing us to easily pick our bins full each time we harvest. —**Jordan of Little Buddy Farm in Idaho** ”

### COLORFUL SNAP BUSH

#### 2021 Celine 55 days

OP • PVP • HR: **BCMV (I)** • Magenta Color • 4.75-5.5" pods

**Vibrant, dark to light purple wax beans with contrasting yellow interior.** Tasty and juicy beans with a strikingly bright, magenta color. These are the first purple wax beans on the market. Plants are healthy producers of uniform beans on robust, bush habit plants. Incredible as a stand-alone variety or mixed with other colors for specialty appeal. Brighter and more of a brilliant purple than most other purple bean varieties. Tender enough to be enjoyed raw. Color fades upon cooking. Developed by Dr. John Hart of EarthWork Seeds. Light tan seeds.

#### 2232 Gold Rush Yellow Wax 55 days

OP • HR: **BCMV, CTV** • Concentrated harvest • Holds well • 4-5" pods

**Early variety with concentrated maturity for a faster harvest.** Lemon-yellow pods with green tips are round, straight and tender. Fine flavor and crisp texture ideal for pickling or lacto-fermenting. Pods hang in clusters around the main stem, making them easy to pick. White seeds.

#### 2150 Mardi Gras Blend 55 days

OP • **HMOS EXCLUSIVE** • Matures evenly • 4-6" pods

**Pre-mixed purple, yellow and green snap beans make an eye-catching custom blend.** No more hand mixing after a bean harvest – our tri-color bean blend makes it easy and efficient to offer bags of colorful beans. Varieties selected for their excellent flavor and even rates of maturity. Plant successions and harvest these beautiful, festive beans all season. Includes gold, purple and green snap beans.

#### 2230 Royal Burgundy 55 days

OP • Large plants • 5" pods

**Gorgeous deep purple stringless pods with green interiors.** Almost-black beans make a stunning display when mixed with yellow and green beans, especially raw in salads. Beans turn green when cooked. Widely adapted, grows well in cool conditions. Displayed highest resistance to white mold in our trials. Light brown seeds.

### FRENCH FILET BUSH

#### 2258 Tavera Haricot Vert 54 days

OP • HR: **AN, BCMV** • Compact, high yielding • 4-5" pods

**Extra-slim, stringless French filet beans with incredible flavor.** Similar to Maxibel in quality but shorter in length and darker green. These exceptionally tender french filet beans are perfect lightly steamed and served with butter or in bean salad. Round pods are ready for picking when 4-5" long. White seeds.

#### 2200 Maxibel Haricot Vert 65 days

OP • HR: **AN, BCMV** • Large plants • Tender 6-8" pods

**Unsurpassed French filet bean for gourmet markets.** Known for its long, slender, medium green pods with a delicate tender texture. Heavy producer of 6-8" beans on good-sized plants. Maxibel will keep you loaded with fresh beans; pick frequently for optimal tenderness and yields. Speckled brown seeds.

### ROMANO BUSH

#### 2234 Dragon Langerie 55 days fresh, 95 dry

HEIRLOOM • Versatile • 6-8" flat pods

**Unique purple-streaked white pods, also known as Dragon's Tongue.** Popular for eating fresh as a snap bean with super flavor and crispness – a clear winner in our taste tests. Streaks fade when cooked. Versatile variety also makes a great shelling bean or dry bean. Purple seeds.

#### **new** 2027 Forrester 59 days

OP • IR: **R, HB** • Vigorous bush • 5.5-6" pods

**Flat, medium green pods on 21" productive, bush-habit plants.** Plants produce plentiful harvests of flat pods with rounded edges that are tender and smooth. Fruit set occurs high on the 21" tall bush, making for easy harvesting. This flat bean is known as a Kentucky Wonder type, which originally came out as a pole bean and was later developed into a bush bean. The pod is not as wide as the Roma II but it is thicker and juicier. From Pure Line Seeds.

#### 2157 Roma II 59 days

OP • HR: **BCMV, R** • Stringless • 5-6" pods

**A popular Italian Romano-type, long beloved for its distinctive flavor and high yields.** Broad, flat beans have the buttery flavor of the Romano pole bean, but produce on more manageable, semi-bush plants. Beans retain flavor after processing. Excellent eating quality, suitable for freezing or canning. White seeds.



## POLE

### 2156 **Northeast** 56 days

OP • Very early • 7-8" flattened pods

**Romano bean with buttery flavor and hearty texture.** Northeast is consistently one of the earliest pole beans in our trials and is well-suited to short seasons. Flattened, pale green pods on tall, vigorous vines. Quick to harvest, as beans are easy to distinguish from the foliage. Re-discovered by Rob Johnston of Johnny's Selected Seeds. White seeds.

### 2154 **Seychelles** 60 days

OP • IR: **AN, BCMV** • AAS winner • Stringless • 5-6" pods

**A prolific producer of perfect-quality, stringless pods with an archipelago of tender, small seeds inside each.** Seychelles is an All-America Selections winner with plenty to offer pole bean-lovers: vigorous plants produce dark green, round pods that drop in clusters of six on a loose hanging truss for an easy and continuous harvest. Great flavor and all-around high performance won our hearts. Vines will reach 5' tall and require initial training to climb a trellis. From our partners at Pure Line Seeds. White seeds.

### 2235 **Blue Coco** 65 days

HEIRLOOM • Tolerant of heat, cold and drought • 6-7" pods

**Vigorous, high-yielding dark purple snap beans.** Beautiful plants with violet flowers and dark green leaves with contrasting purple undersides and stems. Plants are well adapted and produce an abundance of sweet, tender beans in a variety of conditions. French heirloom dating back to the 18th century. Brown seeds. *Limited availability in 2022*

### 2161 **Rattlesnake** 65 days fresh, 105 dry

HEIRLOOM • 10' tall vines • 8" long pods

**Exceptional heirloom flavor fresh, shelled or dry.** Picked fresh, beans are flattened and dark green with unusual purple streaks that fade when cooked. Shelled beans are beige, with rattlesnake streaks when fully dry. Signature addition for roadside stands and farmers markets. Streaked seeds.

### 2160 **Kentucky Wonder** 65 days fresh, 115 dry

HEIRLOOM • Snap or dry bean • 7-9" pods

**Unbeatable productivity, consistency and flavor.** Introduced in Kentucky just prior to the Civil War, this classic variety has proven its excellence over many generations. Pods are stringless, solid and meaty with great flavor. Use fresh for snap beans or dry on vines for an excellent soup bean. Brown seeds. *Unavailable in 2022*



Northeast



Seychelles



Blue Coco



Rattlesnake



Light Red Kidney



Kentucky Wonder

## DRY

### 2060 **Light Red Kidney** 85 days

OP • Widely adapted • Bush habit

**Exceptional culinary quality with silky texture and thin skin.** Mild flavor and drier texture excellent for chili, bean salads, baked and in soups. Medium-sized plants are sturdy and widely adapted, producing well even in cool, wet climates like the Northeast.

### 2030 **Calypso** 90 days

HEIRLOOM • Bush habit

**Widely adapted, delicious bean for baking and soups.** Dependable and early yields of 4-5 beans per pod on sturdy plants. Also known as Orca or Yin Yang for its distinctive black and white pattern that is retained in cooking. Mild flavor and creamy, rich texture. Beans double in size when cooked.

### 2020 **Eclipse** 90 days

OP • PVP • HR: **BCMV** / IR: **AN, R** • White mold tolerant • High yielding • Bush habit

**Eclipses other black beans!** An earlier and higher yielding version of the Black Turtle bean we all love. Eclipse has impressed nearly everyone by having all the flavor and color of the traditional Black Turtle but returning many more pounds of beans and maturing nearly a week earlier. Eclipse also resists rust, anthracnose, BCMV and shows tolerance to white mold. Upright plants are highly uniform, don't lodge and do a synchronous dry down. Released in 2004 by the North Dakota Agricultural Experiment Station. A portion of the sales of this variety is paid to the breeder.

### 2050 **Jacob's Cattle** 90 days

HEIRLOOM • Excellent cooking bean • Bush habit

**Incredible red and white speckled heirloom.** Full-flavored bean that holds its shape under long cooking and possesses a rich aroma. Legend has it that it was a gift from Maine's Passamaquoddy Native Americans to Joseph Clark, the first non-native born in Lubec, Maine.

### 2040 **Silver Cloud Cannellini** 95 days

OP • HR: **CTV** / IR: **BCMV** • Bush habit • Rust tolerant

**Improved white bean with excellent culinary qualities.** Shelling and cooking beans prized for their smooth, meaty texture and dense, nutty flavor. Ideal for minestrone; also known as fagioli or white kidney. Bred by Washington State University for higher yields, greater disease resistance and more upright habit than the famous heirloom.

### 2035 **Quincy Pinto** 106 days

OP • HR: **BCMV, BCMV** / IR: **CTV** • Large, semi-bush plants

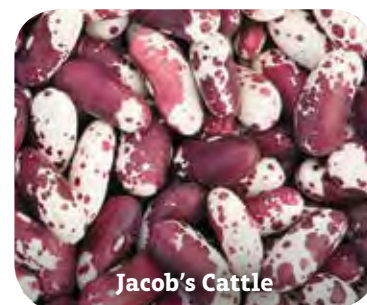
**Very high yielding pinto ideal for slow-cooking and canning.** Large, medium- to late-maturing beans with delicious, creamy flavor. The first pinto variety with genetic resistance to BCMV and CTV, bred in collaboration with Washington State University. Susceptible to Rust.



Eclipse



Calypso



Jacob's Cattle



Silver Cloud Cannellini



Quincy Pinto



Chiba Green



Midori Giant



Windsor Fava

**SOYBEANS - *Glycine max***

**CULTURAL INFO:** Edamame soybeans are usually eaten as a fresh bean. Direct seed in well-drained soil that is 60-85°F. Do not plant in colder soil. Inoculant may be used to increase yields. Succession plant every 1-2 weeks for a continuous harvest. Harvest when beans are plump in pods and leaves begin to change from bright green to a slight yellow-green. Handpick only bright green pods with at least two beans per pod, or harvest whole plants and bunch for market. Pods can be refrigerated for up to a week or blanched and frozen for storage. Steam for 5 minutes to release beans.

**GMO POLICY:** Through a combination of controlled stock seed production, field isolation and inspection, and policies for harvesting and handling, we focus on prevention of GMO contamination in all our seeds. All soybean seed lots are also tested to confirm zero detectable level in 10,000 seeds. No contaminated seed lots will ever be sold.

**SEED SPECS:** 68-110 (90 avg) seeds/oz, 1.1-1.8M (1.4M avg) seeds/lb. M=1,000. **1 oz approx. 90 seeds.** Direct seeding rate: 6 seeds/ft in rows 12-30" apart.

**2253 Chiba Green 75-80 days**

OP • Early • Compact habit

**Early edamame with delicious, very large green seeds.** Consistently 5-7 days earlier than Midori Giant, yet still blew away the competition for flavor. Compact, upright plants make harvesting easy and produce predominantly 3-seeded pods with attractive deep green color. Widely adapted throughout North America. Great for small gardens.

**2241 Midori Giant 80-95 days**

OP • Reliable producer • Highly vigorous plants

**Early-maturing, high-yielding variety with large, buttery seeds.** Rich, flavorful beans; one of the most popular soybeans for edamame. Consistently yields over 90% two and three-seeded pods with a clear pubescence. Well-branched, tall and sturdy plants. Widely adapted throughout the U.S. and Canada. A sure winner for both commercial growers and gardeners.

**SPECIALTY**

**2023 Windsor Fava 75 days**

HEIRLOOM • Tall 4' plants • Cold tolerant

**Hardy plant with large, nutty beans.** English variety dating back to 1863 with delicious flavor when eaten as a shell bean. Plants produce 5-6" pods each holding 3-5 large, plump beans. Great for freezing or drying. Plants require cool conditions and are not heat tolerant. Hardy to 12°F. Buff colored seeds. *Vicia faba*

**BEANS - OPEN-POLLINATED - SOLD BY SEED WEIGHT**

	1 oz	1/2 lb	1 lb	5 lb	20 lb*	40 lb*
2205 Antigua Bush	\$ 3.25	\$ 7.35	\$ 12.70	\$ 8.37/lb	\$ 7.46/lb	\$ 7.00/lb
2235 Blue Coco Pole - <i>Limited availability in 2022</i>	\$ 3.25	\$ 15.25	\$ 24.00	\$ 19.00/lb	\$ 14.25/lb	\$ 11.88/lb
2030 Calypso Dry	\$ 3.25	\$ 10.65	\$ 14.25	\$ 10.20/lb	\$ 9.00/lb	\$ 7.63/lb
2253 Chiba Green Soybean	\$ 5.35	\$ 15.70	\$ 22.25	\$ 19.29/lb	\$ 16.96/lb	\$ 14.38/lb
2234 Dragon Langerie Romano Bush	\$ 3.25	\$ 9.70	\$ 12.95	\$ 11.02/lb	\$ 10.60/lb	\$ 8.13/lb
2020 Eclipse Dry	\$ 3.25	\$ 10.05	\$ 15.00	\$ 12.00/lb	\$ 11.00/lb	\$ 9.63/lb
<b>new</b> 2027 Forrester Romano Bush	\$ 3.25	\$ 9.70	\$ 12.95	\$ 11.02/lb	\$ 10.60/lb	\$ 8.13/lb
2232 Gold Rush Yellow Wax Bush	\$ 3.25	\$ 8.00	\$ 12.50	\$ 8.80/lb	\$ 8.25/lb	\$ 7.38/lb
2050 Jacob's Cattle Dry	\$ 3.25	\$ 8.25	\$ 12.25	\$ 11.80/lb	\$ 10.50/lb	\$ 9.63/lb
2022 Jade Bush	\$ 3.25	\$ 8.15	\$ 13.25	\$ 11.00/lb	\$ 9.50/lb	\$ 9.13/lb
2160 Kentucky Wonder Pole - <i>Unavailable in 2022</i>	\$ 3.70	\$ 14.85	\$ 23.30	\$ 20.14/lb	\$ 15.90/lb	\$ 13.78/lb
2060 Light Red Kidney Dry	\$ 3.25	\$ 10.05	\$ 13.50	\$ 10.40/lb	\$ 8.75/lb	\$ 7.88/lb
2024 Magnum Bush	\$ 3.25	\$ 8.80	\$ 13.15	\$ 10.94/lb	\$ 10.03/lb	\$ 8.21/lb
2150 Mardi Gras Blend Bush	\$ 3.25	\$ 9.50	\$ 15.15	\$ 12.54/lb	\$ 10.35/lb	\$ 8.54/lb
2200 Maxibel Haricot Vert Bush	\$ 3.25	\$ 8.50	\$ 13.00	\$ 12.00/lb	\$ 10.50/lb	\$ 9.63/lb
2241 Midori Giant Soybean	\$ 5.55	\$ 16.15	\$ 25.45	\$ 20.56/lb	\$ 17.60/lb	\$ 15.69/lb
2156 Northeaster Pole	\$ 3.25	\$ 21.00	\$ 34.00	\$ 27.00/lb	\$ 22.50/lb	\$ 19.88/lb
2210 Provider Bush	\$ 3.25	\$ 7.70	\$ 12.00	\$ 9.20/lb	\$ 8.25/lb	\$ 7.38/lb
2035 Quincy Pinto Dry	\$ 3.25	\$ 8.75	\$ 12.00	\$ 10.00/lb	\$ 9.25/lb	\$ 7.88/lb
2161 Rattlesnake Pole	\$ 3.70	\$ 12.70	\$ 21.20	\$ 16.96/lb	\$ 15.00/lb	\$ 13.38/lb
<b>new</b> 2026 Red Tail Bush	\$ 3.25	\$ 9.75	\$ 16.00	\$ 13.00/lb	\$ 11.25/lb	\$ 8.88/lb
2157 Roma II Romano Bush	\$ 3.25	\$ 8.50	\$ 12.70	\$ 9.33/lb	\$ 5.83/lb	\$ 6.49/lb
2230 Royal Burgundy Bush	\$ 3.25	\$ 7.85	\$ 11.75	\$ 9.70/lb	\$ 8.25/lb	\$ 7.38/lb
2154 Seychelles Pole	\$ 5.35	\$ 14.80	\$ 27.00	\$ 17.81/lb	\$ 16.25/lb	\$ 14.13/lb
2040 Silver Cloud Cannellini Dry	\$ 3.25	\$ 9.00	\$ 14.30	\$ 12.30/lb	\$ 10.18/lb	\$ 8.37/lb
2255 Strike Bush	\$ 3.25	\$ 8.50	\$ 12.70	\$ 10.40/lb	\$ 9.50/lb	\$ 8.00/lb
2258 Tavera Haricot Vert Bush	\$ 3.25	\$ 13.80	\$ 19.10	\$ 14.84/lb	\$ 11.66/lb	\$ 10.81/lb
2023 Windsor Fava	\$ 3.80	\$ 13.00	\$ 19.45	\$ 17.30/lb	\$ 14.21/lb	\$ 11.87/lb

**BEANS - OPEN-POLLINATED - SOLD BY SEED COUNT**

	100	500	1 M	5 M	25 M	100 M**
2021 Celine Bush	\$ 4.75	\$ 8.50	\$ 12.70	\$ 9.54/M	\$ 8.27/M	\$ 7.37/M

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more. \*\*For 100M, add \$14.

# Beets

*Beta vulgaris*



*Trials manager Taylor harvesting beets from the trials field for variety evaluations.*

**CULTURAL INFO:** Days to maturity are from direct seeding. Hardy biennial that can tolerate light frosts and freezes. Beets can be grown for greens or roots. Direct seed as soon as soil can be worked and up to 6-8 weeks before first frost date. Requires moderate fertility and moderate drainage. Each seed produces more than one plant, and thinning results in a more uniform root size and fewer undersized roots. Optimal germination temperature is 55-75°F. For continuous harvest, plant every 2-3 weeks. Optimal storage conditions for roots are 32°F and 95% relative humidity for up to 6 months.

**DISEASE & PESTS:** Damping off and root rot are caused by a number of individual fungi and can best be avoided by maintaining well-drained soils. Leaf spots are prevalent

during periods of frequent rainfall and high humidity. Scab or Rhizoctonia can commonly occur on the outer skin of the root. Prevention includes removal of plant debris, crop rotation and increased airflow.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **CE-Cercospora Leaf Spot**, **RZ-Rhizoctonia**

**SEED SPECS:** 1.5-2.5M (2M avg) seeds/oz, 25-40M (32.5M avg) seeds/lb. M=1,000. **1/16 oz approx. 125 seeds.** Direct seeding rate: Baby leaf, 40 seeds/foot in rows 12-18" apart. Roots, 15 seeds/foot in rows 18-24" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## DARK RED GLOBE

**2290 Early Wonder Tall Top** 45 days full size leaf, 60 beets

OP • Early greens • Excellent baby beet • 2-3" roots

**A sure crop for early spring greens and roots.** Quick-growing tops perfect for early beet greens; roots size up quickly for bunched baby beets. Also a good full size beet with vibrant tops. Similar quality to Detroit Dark Red for early season crops. See baby leaf photo on p. 38.

**2267 Subeto F1** 45 days

HYBRID • Early and uniform • Strong tops • 3" roots

**A very early, round dark red beet for commercial production.** Vigorous plants mature early and size up well even if spaced closer together. Strong tops are suitable for mechanical harvest. Smooth roots are full and uniform, making them very easy to process. From our partners at Bejo Seeds. Precision sized.

**2265 Boro F1** 50 days

HYBRID • IR: **CE** • Stores well • Baby or full size • 2-6" roots

**One of the sweetest beets we've tasted.** Superb flavor and the ability to stay tender support a wide range of uses. Juicy roots can be harvested baby and beyond 3" with good quality up to 6". Tops regenerate quickly for clean, healthy leaves all season. Deep red color with minimal zoning. From our partners at Bejo Seeds. Precision sized. Available as raw or pelleted seed.

**2280 Detroit Dark Red** 55 days

HEIRLOOM • Quality tops • Uniform 3" roots

**Top-notch heirloom variety, well known for high-quality roots.** Tops are strong. A standard type for the home garden or direct market sales. Uniform, 3" round roots store well and are excellent for eating fresh or canning. First developed by a Mr. Reeves of Port Hope, Ontario, Canada and further selected for improvements by D.M. Ferry & Co., who officially released it in 1892 as Detroit Dark Red.

**2285 Red Ace F1** 60 days

HYBRID • IR: **CE** • Stores well • Suitable for mechanical harvest • 3" roots

**Tried-and-true variety with great uniformity and healthy tops.** Red Ace F1 excels for both fresh market and industry growers due to its wide adaptability and high yield potential of uniformly sized and shaped beets. Good disease tolerance and fast regrowth result in upright, glossy, bright green tops. From our partners at Sakata Seeds. Precision sized.

**2262 Shiraz** 60 days

OP • IR: **RZ** • Tall tops • Excellent for processing • 3-4" roots

**Unparalleled aesthetics and taste with impressive resistances make Shiraz a reliable choice.** A strong parent line of three different heirlooms gives Shiraz genes that can't be beat: tall, succulent tops for high-quality greens and easy bunching. Rhizoctonia resistance and exceptionally smooth, round roots. Bred by Steve Peters in collaboration with crop scientists from Organic Seed Alliance.



Early Wonder Tall Top



Subeto F1



Boro F1



Detroit Dark Red



Red Ace F1



Shiraz



Rhonda F1



Bull's Blood



Badger Flame



Formanova



Touchstone Gold



Cylindra



Guardsmark Chioggia

**2289 Rhonda F1** 65-70 days

HYBRID • Very long storage • Uniform size and shape • 3-4" roots

**Excellent storage beet with sweet flavor.** Very similar to Boro FI, sharing its sweet flavor and smooth texture, even after months of storage. Tuck Rhonda F1 away all winter and beets will still be hard and sound come spring. Round, deep red roots and nice, strong tops. Two weeks later than Boro FI for staggered harvest from a single planting. From our partners at Bejo Seeds. Precision sized.

**SPECIALTY**

**2260 Bull's Blood** 35 days baby leaf, 60 beets

HEIRLOOM • Deep purple leaf for salad mix • Baby beet • 2-3" roots

**Striking dark red-purple leaves provide incredible contrast in salad mixes.** Eliot Coleman's choice for a red leaf in winter salad mixes. Roots are also tasty and tender when harvested early as baby beets. Tolerant of heat and cold. Color intensifies as plants mature. Selected by Dutch breeder Kees Sahin in 1986 from the French variety Crapaudine. See baby leaf photo on p. 38.

**2272 Formanova** 54 days

HEIRLOOM • Great for processing • Specialty appeal • 1-2" wide and 5-6" long roots

**Large, cylindrical roots that slice into uniform pieces ideal for cooking or canning.** Roots are long and extend well above the soil for easy harvest. Great market appeal from unusual shape. Productive storage variety with deep red flesh and healthy, harvest-ready tops. From our partners at Sativa Organic Seeds. *Limited availability*

**2271 Badger Flame** 55 days

OP • Easy to process • Delicious raw or cooked • 1.5" wide and 4" long roots

**A unique, oblong golden beet cultivar developed with flavor-first chefs and consumers in mind.** This fascinating cultivar was developed to have a low amount of geosmin, the compound that gives beets their earthy flavor. This makes for a perfectly mild and sweet golden beet that is delightful when eaten raw. After 9 years of pursuing this variety, we are finally able to share it. This one-of-a-kind variety comes to us from renowned plant breeder Irwin Goldman of the University of Wisconsin. A portion of the sales of this variety is paid to the breeder. *Unavailable in 2022*

**2288 Touchstone Gold** 55 days

OP • Improved germination • Uniform shape • 3" roots

**Improved gold beet with mild flavor and vibrant color retained in cooking.** From Alf Christianson Seed Company, the breeders of Red Ace FI and Guardsmark Chioggia, this is an improved golden beet with better germination and uniformity than standard golden types and less zoning. Attractive, solid green tops quickly shade out weeds. Germinates best in warmer soil. From our partners at Sakata Seeds. Precision sized.

**2273 Cylindra** 56 days

HEIRLOOM • Great for processing • Specialty appeal • 1-2" wide and 5-6" long roots

**Unique 6" long cylindrical beet with fine texture and sweet flavor.** A favorite with chefs due to uniform slices and ease of peeling. Popular at markets thanks to its unusual shape. Great for pickling.

**2269 Guardsmark Chioggia** 60 days

OP • Uniform • Bolt tolerant • 3" roots

**Unique and beautiful candy-striped beet.** Alternating rings of dark red and white make this a popular choice for specialty markets. This strain of the popular Italian heirloom was improved by Alf Christianson Seed Company for better uniformity and bolt tolerance. Precision sized.

**BEET SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT**

	1/16 oz	1 oz	1/4 lb	1 lb	5 lb	20 lb*	40 lb*
2271 Badger Flame - <i>Unavailable in 2022</i>	\$ 3.25	\$ 20.65	\$ 55.10	\$ 153.70	\$ 119.14/lb	\$ 110.67/lb	\$ 95.40/lb
2273 Cylindra	\$ 3.25	\$ 7.85	\$ 17.30	\$ 43.20	\$ 41.13/lb	\$ 38.25/lb	\$ 35.15/lb
2280 Detroit Dark Red	\$ 3.25	\$ 5.75	\$ 12.00	\$ 31.00	\$ 29.00/lb	\$ 26.25/lb	\$ 24.38/lb
2290 Early Wonder Tall Top	\$ 3.25	\$ 5.30	\$ 10.40	\$ 27.55	\$ 24.38/lb	\$ 22.50/lb	\$ 21.88/lb
2272 Formanova - <i>Limited availability</i>	\$ 3.25	\$ 9.55	\$ 22.25	\$ 68.90	\$ 63.60/lb	\$ 57.24/lb	\$ 54.06/lb
2262 Shiraz	\$ 3.25	\$ 20.30	\$ 53.25	\$ 148.40	\$ 116.60/lb	\$ 110.24/lb	\$ 93.28/lb

**BEET SEED - OPEN-POLLINATED - SOLD BY SEED COUNT**

	100	1 M	5 M	25 M	100 M	500 M	1000 M**
2260 Bull's Blood	\$ 3.25	\$ 7.80	\$ 3.60/M	\$ 2.76/M	\$ 2.65/M	\$ 2.25/M	\$ 2.08/M
2269 Guardsmark Chioggia	\$ 4.20	\$ 7.95	\$ 4.66/M	\$ 3.60/M	\$ 3.18/M	\$ 2.76/M	\$ 2.65/M
2288 Touchstone Gold	\$ 3.25	\$ 8.10	\$ 6.49/M	\$ 6.06/M	\$ 5.67/M	\$ 5.31/M	\$ 4.97/M

**BEET SEED - HYBRID - SOLD BY SEED COUNT**

	100	1 M	5 M	25 M	100 M	500 M	1000 M**
2265 Boro FI	\$ 3.25	\$ 7.55	\$ 3.52/M	\$ 2.88/M	\$ 2.75/M	\$ 2.60/M	\$ 2.49/M
<b>new</b> 2265P Boro FI - Pelleted	\$ 3.25	\$ 7.95	\$ 4.40/M	\$ 3.56/M	\$ 3.18/M	\$ 2.93/M**	
2285 Red Ace FI	\$ 3.25	\$ 7.95	\$ 3.60/M	\$ 3.39/M	\$ 2.92/M	\$ 2.44/M	\$ 2.50/M
2289 Rhonda FI	\$ 3.25	\$ 7.15	\$ 3.50/M	\$ 2.84/M	\$ 2.65/M	\$ 2.44/M	\$ 2.28/M
2267 Subeto FI	\$ 3.25	\$ 7.55	\$ 3.52/M	\$ 2.88/M	\$ 2.75/M	\$ 2.70/M	\$ 2.60/M

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more. \*\*For all 1000M sizes and 500 M Boro FI pelleted seed, add \$14.

# Broccoli

*Brassica spp.*



Commercial grower sales representatives Aaron and Michelle in the High Mowing broccoli trial.

**CULTURAL INFO:** Days to maturity are from transplant; add 15-20 days if direct seeding. Broccoli is a cool-season biennial grown for spring and fall crops and prefers well-drained, fertile soils high in organic matter. Will tolerate slightly alkaline soil, performing best between 6.0-7.5. Ideal daytime temperatures for optimal growth are 60-75°F. Start seedlings indoors 4-6 weeks before planting date. Plant outside as soon as chance of hard frost has passed. Some broccoli varieties produce one large head followed by the growth of side shoots, while others produce many smaller spears. Cool broccoli immediately after harvest to retain quality. Store at 32°F for 10-14 days.

**DISEASE & PESTS:** Prevent diseases and recurrent pest pressure with crop rotation and cover cropping. Fungal and bacterial diseases like fusarium yellows, blackleg and black rot are best prevented by starting with disease-free seed and utilizing production practices that build soil and promote vigorous plant growth. Broad spectrum applications like copper hydroxide can also be used to prevent fungal diseases. Always check with your certifier before

applying control measures. Head rot can develop quickly under conditions of high moisture and high temperature and is prevented by enhancing air movement to promote drying. Pests of the Lepidoptera order such as cabbage looper, imported cabbage worm, and diamondback moth can be controlled by *Bacillus thuringiensis* (Bt) and/or spinosad, preferably in rotation with one another to prevent selection of resistant individuals. Root maggots can be controlled by applying beneficial nematodes. Protect plants from flea beetles by using floating row cover in the early season.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **BR-Black Rot**, **FY-Fusarium Yellows**, **WR-White Rust**

**SEED SPECS:** 5.6-9.4M (7.5M avg) seeds/oz, 90-150M (120M avg) seeds/lb. M=1,000. **1/32 oz approx. 225 seeds.** Direct seeding rate: 3 seeds every 12", thin to 1 plant in rows 18-30" apart. Transplants: 12" apart in rows 18" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## HEADING BROCCOLI - *B. oleracea* var. *italica*

### 2300 **De Cicco** 48 days

HEIRLOOM • Abundant side shoots • 3-4" heads

**Italian variety known for tender stalks and mild flavor.** Reliable multi-cut variety that produces a compact, 3-4" bluish-green central head followed by a prolific set of side shoots. Variable maturity results in a long harvest period for both central heads and side shoots. Excellent home garden variety and/or bunching variety.

### 2301 **Batavia F1** 60 days

HYBRID • HR: **FY** / IR: **WR** • Uniform • Short harvest window • 5-6" heads

**Our earliest hybrid with dark green color and well-branched domes.** Well adapted and vigorous with the added benefits of earliness and cold hardiness. Not as heat tolerant and has larger beads than Belstar F1; prefers cool conditions. Short harvest window of uniform main domes for stem or crown cuts. From our partners at Bejo Seeds.

### 2302 **Belstar F1** 65 days

HYBRID • HR: **FY** / IR: **BR, WR** • Compact habit • Heat tolerant • 6-8" heads

**A versatile broccoli with excellent heat and cold tolerance and uniform, rounded heads.** Great choice for spring, summer and fall plantings with excellent vigor. Plants are compact and produce small to medium-sized heads within a 10-14-day harvest window. Domes span 6-8" and average 1.5 lbs. Plants have been known to survive 20-degree temperatures with proper frost protection and care. From our partners at Bejo Seeds.

### 2303 **Covina F1** 68-70 days

HYBRID • HR: **FY** / IR: **WR** • Extremely stress tolerant • 6-8" heads

**Vigorous plants withstand a wide range of environmental stresses to reliably produce uniform, tight domes.** We were blown away by Covina F1's performance in our field trials two years in a row when we had an unusually cold, wet year followed by an extremely hot, dry year. Both wildly different but equally stressful conditions didn't bother this workhorse broccoli. The upright, large framed plants produced big, tightly beaded heads for consistent harvests. Good for both spring and fall production. From our partners at Bejo Seeds.

### 2305 **Fiesta F1** 75 days

HYBRID • HR: **FY** / IR: **BR** • Uniform • Short harvest window • 6-7" heads

**Impressive late-season variety for fall harvests.** Uniform maturity and stand of well-domed heads. Medium beads slightly larger than Belstar F1. Ideal for dense plantings of single cuts with a harvest span of less than one week. Well adapted; performs best in warm days and cool nights. *Limited availability*

### 2315 **Waltham 29** 80-85 days

OP • Fall crop • Many side shoots • 5-6" heads

**Best variety for bunched side shoots.** Sturdy 20" plants support 5-6" loose, dark blue-green heads with medium to large beads and long stalks (hard to find with modern hybrids). Developed to withstand increasing cold for fall maturity. Heat sensitive.



De Cicco



Batavia F1



Belstar F1



Covina F1



Fiesta F1



Waltham 29



**Santee F1  
Sprouting Broccoli**



**Spring Raab  
Broccoli Raab**

## SPROUTING BROCCOLI - *Brassica* spp.

**CULTURAL INFO:** Sprouting broccoli has many small shoots rather than a single head. Can be planted in spring or summer for a quick harvest or late fall for overwintering. Fall planting (under protection in colder climates) with a late winter harvest results in impressive yields just when demand for fresh greens is high. Shoots are mild, much sweeter and more tender than broccoli.

### 1960 **Spring Raab Broccoli Raab** 45 days

OP • Italian specialty • Large 30" tall plants

**Italian specialty with mild mustard flavor and broccoli-like florets.** Delicious traditionally cooked in olive oil with garlic and pepper flakes. Easy to grow and loaded with folic acid and vitamins. Plant early spring to midsummer or overwinter in mild climates. *Brassica rapa* var. *ruvo*. *Unavailable in 2022*

### 2311 **Santee F1 Sprouting Broccoli** 75-115 days

HYBRID • Specialty crop • Excellent for overwintering

**Mini purple heads on leafy stalks; also known as broccolini.** Abundant, tender, burgundy spears and mini broccoli heads are flavorful and packed with nutrients. Unlike most sprouting broccolis, Santee F1 doesn't require cold treatment to initiate bud development. Can be overwintered in mild climates. From our partners at Bejo Seeds. *Brassica oleracea* var. *italica*

BROCCOLI SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT	1/32 oz	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb	20 lb*
	2300 De Cicco	\$ 3.25	\$ 4.15	\$ 6.35	\$ 14.05	\$ 33.90	\$ 51.95	\$ 45.58/lb
1960 Spring Raab Broccoli Raab - <i>Unavailable in 2022</i>	\$ 3.25	\$ 4.25	\$ 6.90	\$ 16.95	\$ 44.50	\$ 63.60		
2315 Waltham 29	\$ 3.25	\$ 3.50	\$ 4.20	\$ 8.50	\$ 20.15	\$ 29.70	\$ 26.00/lb	
BROCCOLI SEED - HYBRID - SOLD BY SEED COUNT	25	500	1 M	5 M	25 M	100 M		
2301 Batavia F1	\$ 3.25	\$ 16.45	\$ 25.95	\$ 22.68/M	\$ 20.22/M	\$ 17.76/M		
2302 Belstar F1	\$ 3.25	\$ 12.70	\$ 23.30	\$ 21.20/M	\$ 19.00/M	\$ 16.70/M		
2303 Covina F1	\$ 3.25	\$ 12.70	\$ 23.30	\$ 21.20/M	\$ 19.00/M	\$ 16.70/M		
2305 Fiesta F1 - <i>Limited availability</i>	\$ 3.25	\$ 12.60	\$ 21.20	\$ 18.02/M	\$ 16.75/M	\$ 14.50/M		
2311 Santee F1 Sprouting Broccoli	\$ 5.25	\$ 58.20	\$ 86.90	\$ 81.62/M	\$ 78.65/M	\$ 69.43/M		

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.

# Mycorrhizal FUNGI



**M**ycorrhiza is a term used to describe the oftentimes mutually symbiotic relationship between soil fungi and plants. Endomycorrhiza, also known as Arbuscular mycorrhiza, are a group of fungi that have evolved over 400 hundred million years to thrive in partnership with 85% of the world's terrestrial plants. These fungi existed before terrestrial plants, and the partnership between Mycorrhizae and the plants' roots are what allowed early plants to colonize dry land.

The hyphae of Endomycorrhizal fungi penetrate the cell membrane of plant roots; they then share water and nutrients sourced

from their extensive network of mycelia in the soil with their host plants in exchange for sugars produced by the plant through photosynthesis. While this relationship is by nature invasive as the fungal hyphae enter the cell membrane of the plant's roots, the resulting symbiotic mutualism benefits both the fungi and the plants equally, enhancing both the plant and the fungi's chances at higher overall performance and survival.

This partnership is initiated by three different sources: spores deposited in the soil; colonized root fragments of other plants; and vegetative hyphae living in the soil. Once the plant begins to release root exudates (the sugars produced through photosynthesis) into the soil, this signals locally positioned fungal matter to colonize the compatible plant roots. As the plant grows and the roots extend deeper into the soil, the thread-like mycelia of the fungi continue to grow as well, drastically increasing the surface area and reach of the plant in the soil, allowing for greater acquisition of macro-and micronutrients and what would be otherwise unavailable sources of water.

The partnership results in crops that are more resilient to drought and other environmental stressors due to their additional access to water sources and higher micronutrient uptake. To encourage Mycorrhizae in our gardens and farms we can do a few things:

#### PLANT COVER CROPS.

Cover cropping between plantings of vegetable crops will help stimulate these essential relationships in your soil and build mycorrhizal communities that will, in turn, support your future planted crops.

#### AVOID OVER-FERTILIZATION OF THE SOIL.

Too much fertilizer, especially applications heavy in nitrogen and phosphorus can minimize mycorrhizal root colonization. When in doubt, take a soil test to assess your nutrient levels.

#### MINIMIZE SOIL TILLAGE.

Mycorrhizae fungi are made up of threadlike mycelia that stretch through the soil, much like plant roots. Heavy tillage can cut through threads and kill off populations that have developed with your plants.

# Brussels Sprouts

*Brassica oleracea*

Commercial grower sales representatives Ada, Michelle, Daniel and Aaron in the High Mowing Brussels sprouts trial.

**CULTURAL INFO:** Days to maturity are from transplant; add 15-20 days if direct seeding. Brussels sprouts are a cool-season biennial that prefer temps of 45-75°F with optimal growth at 60-65°F. Direct seed as soon as ground can be worked in spring, or start transplants indoors 4-6 weeks before setting out. Can tolerate frost once hardened off. Fertilize well at planting and side dress again about three weeks later. Snap tops off plants in late summer to encourage sprout production. Sprouts become sweeter after a few light frosts in fall.

**DISEASE & PESTS:** Black rot (*Xanthomonas campestris* pv. *campestris*) first appears as V-shaped, yellow lesions at leaf margin. Pull up infected plants immediately. Plantings should never be worked during wet conditions. Fusarium yellows (*Fusarium oxysporum* f. sp. *conglutinans*) manifests as yellowing of the lower leaves then moves to upper leaves and causes wilt. Fungal diseases can be prevented by spraying with copper hydroxide; check with your certifier before applying. Clubroot is a soil borne disease which stunts the roots. Rotate crops

and add lime to raise soil pH to 7.2. Cabbage looper, imported cabbage worm and diamondback moth are of the Lepidoptera order and can be controlled by *Bacillus thuringiensis* (Bt) and/or spinosad, preferably in rotation with one another to prevent selection of resistant individuals. Protect plants from flea beetles by using floating row cover in the early season. Control root maggots with beneficial nematodes or by covering with row cover early in the season.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **BR-Black Rot**, **FY-Fusarium Yellows**

**SEED SPECS:** 6.8-11.3M (9.3M avg) seeds/oz, 110-180M (150M avg) seeds/lb. M=1,000. Direct seeding rate: 2 seeds every 18", thin to 1 plant in rows 18-30" apart. Transplants: 18" apart in rows 18-30" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## 2314 Dagan F1 100 days

HYBRID • Early • Suited for sales on the stalk

**Early, reliable variety for main-season sales both on and off the stalk.** Has tall, straight stalks that resist lodging and work well for on-the-stalk sales. Doesn't require topping. Nicely wrapped, tight sprouts with a bright, medium green color and a small attachment site. From our partners at Bejo Seeds.

## **new** 2293 Divino F1 110 days

HYBRID • Whole-stalk harvest

**Uniform, medium-sized sprouts that hold well in the field on tall stalks.** Suited for whole-stalk harvest, Divino F1 is an excellent producer of beautiful, dark green sprouts. Stalks are strong and resist lodging, with smaller leaves than Nautic F1, allowing airflow which helps prevent disease. A productive and reliable variety for late season harvest of incredibly clean, unblemished sprouts. A standout on our trials farm. From our partners at Bejo Seeds.

## 2317 Nautic F1 120 days

HYBRID • HR: **FY** / IR: **BR** • Easy to harvest

**Disease-resistant variety for a reliable crop of tightly wrapped sprouts.** Nautic F1's sprouts are spaced farther apart, allowing plants to dry out quickly to avoid spread of disease and making it easier to harvest individual sprouts. Vigorous and sturdy plants with 1" sprouts.



Dagan F1



Nautic F1



Divino F1

### BRUSSELS SPROUTS SEED - HYBRID - SOLD BY SEED COUNT

	25	500	1 M	5 M	25 M
2314 Dagan F1	\$ 5.05	\$ 37.10	\$ 65.70	\$ 61.48/M	\$ 55.76/M
<b>new</b> 2293 Divino F1	\$ 5.05	\$ 37.10	\$ 65.70	\$ 61.48/M	\$ 55.76/M
2317 Nautic F1	\$ 4.75	\$ 35.00	\$ 61.50	\$ 58.30/M	\$ 50.88/M

Larger volumes available; please call for pricing.

## Divino F1 Brussels Sprout

**Strong stalks produce medium-sized, dark green sprouts with excellent field-holding quality.** Divino F1's small leaves allow for great airflow and disease resistance.

- Uniform, blemish-free sprouts
- Whole-stalk harvest
- Reliable late season producer



# Cabbage

*Brassica spp.*



Trials manager Taylor harvesting Megaton F1 cabbage for evaluation at the High Mowing Trials field.

CABBAGE

**CULTURAL INFO:** Days to maturity are from spring transplanting; if transplanting in warm weather subtract 10-14 days; direct seeding add 14 days. Cabbage is a hardy biennial closely related to broccoli and kale. The trick to growing cabbage is steady, uninterrupted growth with good fertilization and ample water. Cabbage does best in cool, temperate climates but can be grown anywhere with the right varieties and good care. In most areas, you can plant an early crop for fresh eating and a late crop primarily for winter storage. Direct sow when daytime soil temperatures warm to 65-75°F or start seeds indoors or in cold frames 4-5 weeks before planting date. Optimal soil temperature for germination is 75°F, but seeds will germinate in soils as cool as 50°F. Seedlings can tolerate light frost after they've hardened off. Plant into well-drained soil with plenty of organic matter. Cabbage prefers a pH of 6.5-6.8 for optimum growth. Keep seedlings well watered. Cabbage is a heavy feeder; fertilize well at planting and side dress again three weeks later. Cabbage is mature when the tight outer leaf of the head begins to fold back on itself. Light fall frosts make heads sweeter and improve flavor. Cabbage is best stored at 32°F and at 95% relative humidity. Fresh market varieties store for 2-3 weeks while storage and processing types store for 2-6 months or longer.

**DISEASE & PESTS:** Prevent disease and recurrent pest pressure with crop rotation and cover

cropping. Fungal and bacterial diseases like fusarium yellows, blackleg and black rot are best prevented by production practices that build soil and promote vigorous plant growth. Broad spectrum applications like copper hydroxide can also be used to prevent fungal diseases. Always check with your certifier before applying organic control measures. Prevent the soil-borne disease clubroot by rotating crops and adding lime to raise soil pH. Pests of the Lepidoptera order such as cabbage looper, imported cabbage worm and diamondback moth can be controlled by *Bacillus thuringiensis* (Bt) and/or spinosad, preferably in rotation with one another to prevent selection of resistant individuals. Protect plants from flea beetles by using floating row cover in the early season.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **BR-Black Rot, CR-Clubroot, FY-Fusarium Yellows, T-Thrips, TB-Tip Burn, WR-White Rust**

**SEED SPECS:** 4.8-9.5M (7.3M avg) seeds/oz, 78-156M (117M avg) seeds/lb. M=1,000. **1/32 oz approx. 225 seeds.** Direct seeding rate: 2 seeds every 12", thin to 1 plant in rows 18-30" apart. Transplants: 12-18" apart in rows 18-30" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## GREEN - *B. oleracea var. capitata*



Golden Acre



Farao F1



Caraflex F1

Murdoc F1



new

Megaton F1

### 2298 Golden Acre 62 days

OP • Early fresh market • Compact habit • 3-4 lb heads

**A refined, open-pollinated cabbage with round green heads encasing beautiful, tender white hearts.** Plants mature early and are compact, perfect for dense plantings with tighter spacing while still producing good yields of marketable heads. Heads are round, solid, and have a delicate, crunchy flavor that is suitable for most kitchen preparations. When cooked, the spicy cabbage flavor becomes mild and buttery. An excellent OP for the serious cabbage grower.

### 2366 Farao F1 63 days

HYBRID • IR: **TB** • Early fresh market • 3-4 lb heads

**Delicious, early heads are sweet and tender.** Leaves are thin and juicy with a slight peppery bite, perfect for stir-fries and egg rolls. Small, uniform heads with attractive rosebud wrappers are great for smaller households and pack nicely in boxes. Round heads with a short core hold well in summer heat; habit suitable for dense plantings.

### 2349 Caraflex F1 68 days

HYBRID • HR: **FY** • Fresh market • 1.5-2 lb heads

**Green sweetheart for fresh and gourmet markets.** Prized for its unusual cone-shaped heads and thin, sweet leaves that are delicious eaten raw or in stir-fries, slaws or egg rolls. Extremely uniform with good wrapper leaves for insect and sun protection. Sara Schlosser of Sandiwood Farm loves how perfectly Caraflex F1 packs a box.

### new 2380 Megaton F1 77 days

HYBRID • HR: **FY** • Excellent eating quality • 10-17 lb heads

**Early maturing cabbage with impressive size, short core and silky, tender leaves.** Blemish free, huge heads can measure up to 16 inches in diameter and remain tender and sweet with a mild cabbage flavor. The small core offers an incredible amount of usable leaves that have a wonderful eating quality. An excellent processing cabbage. Plant 24 inches apart. From our partners at Bejo Seeds.

### 2362 Murdoc F1 80 days

HYBRID • Excellent processing type • Stores well • 4-7 lb heads

**Unique hefty heads perfect for fresh eating, sauerkraut or processing.** Caraflex F1's big brother with the same tender, crisp juicy leaves and unusual cone shape, but supersized. Grows up to 10" in diameter at the base; excellent storage qualities. Distinctly silky texture excellent for sauerkraut. One of our favorite varieties from Bejo Seeds. *Limited availability*



### 2357 **Capture F1** 85 days

HYBRID • HR: **FY** / IR: **BR** • Main season fresh market & processing • 4-6 lb heads  
**Black rot-resistant fresh market cabbage for organic growers.** Full size green cabbage for fresh market or processing; short term storage ability. Excellent disease resistance—grows best in susceptible climates where black rot and thrips are present. Uniform heads sit high on the stalk with good wrapper leaves.



Capture F1



Passat F1

### 2296 **Passat F1** 90 days

HYBRID • HR: **FY, WR** • Storage & processing • Upright habit • 6-11 lb heads  
**One stop shopping for all your cabbage needs.** Versatile, late season variety with large, dense heads and early vigor. Ideal for slaws, sauerkraut, storage and fresh eating with quality that improves in storage. High Brix and classic texture with a short core. A gorgeous, uniform late-season variety to replace Kaitlin F1. Good resistance to leaf diseases. Bred by Bejo Seeds for the kraut and processing industry in Holland.



Expect F1



Reaction F1

### **new** 2383 **Expect F1** 100 days

HYBRID • HR: **FY** • Long term storage • 5-9 lb heads  
**Gorgeous, fresh green heads that maintain taste, color and high quality in long term storage.** Heads are dense, perfectly round and exceptionally uniform. Notable heat tolerance makes this a very versatile variety. Plants are easy to trim, highly consistent, reliable and productive and are an excellent choice for the commercial grower. Replacement for Impala F1. From our partners at Bejo Seeds.

### 2295 **Reaction F1** 100 days

HYBRID • HR: **FY** • Storage mini cabbage • 2-8 lb heads  
**Productive and uniform storage cabbage with a crisp, matte white interior.** This crowd-pleasing cabbage is dense and sweet with a beautiful, cream-colored heart. Producing medium-sized heads with normal spacing, this variety is especially successful when planted closer to encourage the development of mini heads. Excellent for overwintering in the Pacific Northwest Region.

RED - *B. oleracea* var. *capitata*

### **new** 2370 **Primero F1** 62 days

HYBRID • Heads up quickly • Suitable for succession growing • 2-3 lb heads  
**Early producing, compact, dark red heads ideal for succession plantings.** Texture is tender and very sweet with a manageable head size that is perfect for a single meal. Plants are uniform and highly productive. Plants head up quickly which makes them perfect for succession growing. Interior leaves are plentiful, protected by nice wrapper leaves. From our partners at Bejo Seeds.



Primero F1



Red Express

### 2369 **Red Express** 62 days

OP • Fresh market • Compact habit • 1.25-3 lb heads  
**Heads up quickly into tidy little red cabbages perfect for smaller portions.** Performed well in our trials with very nice color and early maturity. Compact habit; can be densely planted at 8" spacing with Farao F1 and Famosa F1 for an earlier harvest and knockout market display. Great for northern climates and small spaces.

### **new** 2374 **Amarant** 70 days

OP • Fresh market • Heat tolerant • 1.25-2.5 lb heads  
**Strikingly beautiful red coloration on compact heads with good crunch, sweet flavor and juicy texture.** Short stems and highly flattened outermost leaves make heads visible and easy to harvest. Tolerance to heat allows for early and main season growing. Darker purple interior than Red Express. This open-pollinated variety is bred by Kultursaat biodynamic seed initiative in Germany.



Amarant



Integro F1

### 2354 **Integro F1** 85 days

HYBRID • Fresh market • Moderate storage • 3-4 lb heads  
**Uniform red cabbage for fresh market or short-term storage.** Heads are very dark purple with an attractive silver sheen and oblong shape measuring about 5" wide by 7" tall. Matures a few weeks earlier than Buscaro F1, but holds well in the field. From our partners at Bejo Seeds.

### 2294 **Kalibos** 90 days

HEIRLOOM • Conical red cabbage • Storage quality • 2-3 lb heads  
**Elegantly shaped, pointed red cabbages that shed winter weather and store for extended eating and selling.** A breathtaking cabbage with a mild sweetness and crunch that lasts well into storage. The bright purple head of the cabbage is housed in a very large, elaborate formation of green leaves that require a 2' plant spacing. Pairs well with Murdoc F1. Our strain has been improved and stewarded by Fruition Seeds.



Kalibos



Buscaro F1

### 2361 **Buscaro F1** 105 days

HYBRID • Fresh market • Moderate storage • 4-5 lb heads  
**Full sized heads with sweet, juicy flavor for fresh market use.** Large plants give rise to hefty heads with a gorgeous, red-purple hue and distinctive silvery sheen. Heads are round to slightly oblong; beautiful color in salads and slaws. Moderate storage capacity; ideal for processing with a medium sized core.



Deadon F1



Klimaro F1



Travero F1



Stanton F1



Famosa F1



Bilko F1

Emiko F1

OVERWINTERING - *B. oleracea* var. *capitata*2353 **Deadon F1** 105 days

HYBRID • HR: **FY** • January King-type • Main season and overwintering • 4-5 lb heads  
**Cold-hardy red savoy with striking sage-purple wrapper leaves and lime green interiors.** Freezing temperatures only improve its sweet, delicious flavor and intense purple coloration. Can be grown as an overwintered crop. Heads are large and firm with exceptional texture. Uniform and vigorous with high yields of 6-10" heads. From Bejo Seeds.

**new** 2367 **Klimaro F1** 105 days

HYBRID • Highly uniform • Long term storage • 5-8 lb heads  
**Dark red, dense, round heads with long term storage and exceptional cold tolerance.** Heads are held high on the plant, making for clean, easy processing. Beautiful dark red color holds well in the field without over maturing. Plants can withstand temperatures in the low 20's, making it an excellent choice for overwintering. From our partners at Bejo Seeds.

2358 **Travero F1** 120 days

HYBRID • Red cabbage • Storage quality • Best for temperate climates • 2-5 lb heads  
**Excellent red storage cabbage with a beautiful interior structure and fresh eating quality. Can be planted close for production of small to medium heads.** Dense, round heads have a good wax layer, making them ideal candidates for storage. In the Pacific Northwest, these overwintering cabbages mature in February and early March. Exceptional cold tolerance and field holding quality carry them through the low light conditions of winter. *Limited availability*

2297 **Stanton F1** 125 days

HYBRID • White Cabbage • Storage quality • Best for temperate climates • 4-7 lb heads  
**Refined white interiors that are crisp and delicious for fresh eating, protected by durable, waxy leaves that allow for long term storage.** These large, semi-savoy heads come on after Deadon F1 and carry more weight when overwintered in the Pacific Northwest. Extremely uniform with strong stems, the heads are set high off the ground. Excellent cold tolerance and a good option for winter production. From Bejo Seeds.

SAVOY - *B. oleracea* var. *capitata*2363 **Famosa F1** 68 days

HYBRID • IR: **WR** • Durable fresh cabbage • 2-4 lb heads  
**Gorgeous, early savoy cabbage for fresh market use.** Dark green, heavily savoyed wrapper leaves and bright green heads make Famosa F1 a head-turner in our trials every year. Outer leaves are thick and durable, while the inner leaves are tender and delicious with mild flavor that gets sweeter as winter approaches.

NAPA / CHINESE - *B. rapa* var. *pekinensis*

**CULTURAL INFO:** Napa cabbage requires careful timing to ensure a quality crop. Plants have a tendency to bolt in spring if exposed to frost or a few nights of temperatures below 50°F. Napa cabbage grows best as days shorten in summer months for a late summer crop. High fertility yields large plants with dense heads, so fertilize well at planting and again three weeks later. Direct seed or start transplants 3-5 weeks before planting date. Transplant out after 4 weeks, being careful not to disturb roots. Plant shallowly and water in transplants to avoid stress. Protect from flea beetles as needed during the growing season. Evaluate maturity by pressing the heads to see how firm and full they are. Harvest when heads fill in, removing damaged outer leaves as necessary to reveal clean, blanched head within. Heads store well for 3 or more months at temperatures close to freezing with high humidity.

2381 **Emiko F1** 60-63 days

HYBRID • HR: **CR, FY** / IR: **TB** • Bolt resistant • 10" heads  
**Very consistent, broad Napa cabbage with mild, tender leaves.** Compact, attractive heads with dark green wrapper leaves and vanilla interiors. An excellent choice for commercial growers. Holds well in the field; good resistance to bolting in summer temperatures. Slightly larger and later than Kaboko F1 but a good substitute.

2364 **Bilko F1** 63 days

HYBRID • HR: **CR, FY** • Long storage • 12" heads  
**Disease-resistant, dense heads with crispy, tender texture.** Broad white midribs and pale green outer leaves with a creamy yellow interior. Larger than Emiko F1 with similar barrel shape. Andy Jones of the Intervale Community Farm uses it to supply Napa cabbage to his CSA into late fall. From our partners at Bejo Seeds.

**GROWER'S  
CHOICE**

“ At Featherstone Farm we grow **Capture F1** cabbage along with all of our storage plantings because of its excellent disease resistance. With Capture F1 in the mix, I feel confident we will get a nice harvest even in a wet year with a lot of disease pressure. The heads look great and can get very large without any cracking. **-Abby of Featherstone Farm in Minnesota** ”

CABBAGE SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT							
	1/32 oz	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb
2298 Golden Acre Green	\$ 3.25	\$ 4.35	\$ 5.55	\$ 10.60	\$ 23.30	\$ 33.90	\$ 26.50/lb
2369 Red Express Red	\$ 3.25	\$ 5.40	\$ 9.50	\$ 21.20	\$ 58.30	\$ 86.90	\$ 74.20/lb
CABBAGE SEED - HYBRID - SOLD BY SEED COUNT							
	25	500	1 M	5 M	25 M	100 M	
2364 Bilko F1 Napa	\$ 3.25	\$ 10.00	\$ 16.00	\$ 12.70/M	\$ 11.20/M	\$ 10.28/M	
2361 Buscaro F1 Red	\$ 4.10	\$ 26.50	\$ 47.70	\$ 41.34/M	\$ 34.98/M	\$ 31.91/M	
2357 Capture F1 Green	\$ 3.35	\$ 17.90	\$ 31.00	\$ 27.00/M	\$ 23.40/M	\$ 21.00/M	
2349 Caraflex F1 Green	\$ 4.75	\$ 34.20	\$ 61.50	\$ 54.06/M	\$ 49.61/M	\$ 43.46/M	
2353 Deadon F1 Overwintering	\$ 4.95	\$ 30.20	\$ 47.70	\$ 41.34/M	\$ 35.40/M	\$ 33.39/M	
<b>new</b> 2383 Expect F1 Green	\$ 4.10	\$ 20.15	\$ 36.55	\$ 31.80/M	\$ 27.14/M	\$ 25.97/M	
2381 Emiko F1 Napa	\$ 3.25	\$ 10.00	\$ 15.35	\$ 12.49/M	\$ 11.02/M	\$ 10.28/M	
2363 Famosa F1 Savoy	\$ 4.10	\$ 20.15	\$ 36.55	\$ 31.80/M	\$ 27.14/M	\$ 25.97/M	
2366 Farao F1 Green	\$ 3.45	\$ 16.45	\$ 27.05	\$ 24.38/M	\$ 21.62/M	\$ 19.66/M	
2354 Integro F1 Red	\$ 3.70	\$ 17.50	\$ 32.85	\$ 29.68/M	\$ 26.29/M	\$ 24.38/M	
<b>new</b> 2367 Klimaro F1 Overwintering	\$ 6.05	\$ 34.35	\$ 61.90	\$ 54.06/M	\$ 47.70/M	\$ 41.66/M	
<b>new</b> 2380 Megaton F1 Green	\$ 4.75	\$ 34.20	\$ 61.50	\$ 51.00/M	\$ 43.80/M	\$ 39.50/M	
2362 Murdoc F1 Green - Limited availability	\$ 6.05	\$ 34.35	\$ 61.90	\$ 54.06/M	\$ 47.70/M	\$ 41.66/M	
2296 Passat F1 Green	\$ 3.60	\$ 20.20	\$ 31.55	\$ 28.09/M	\$ 25.02/M	\$ 22.79/M	
<b>new</b> 2370 Primero F1 Red	\$ 4.10	\$ 20.15	\$ 36.55	\$ 31.80/M	\$ 27.14/M	\$ 25.97/M	
2295 Reaction F1 Green	\$ 3.60	\$ 20.20	\$ 32.85	\$ 29.68/M	\$ 25.02/M	\$ 22.79/M	
2297 Stanton F1 Overwintering	\$ 4.75	\$ 31.80	\$ 49.80	\$ 43.46/M	\$ 37.74/M	\$ 35.51/M	
2358 Travero F1 Overwintering - Limited availability	\$ 4.10	\$ 26.50	\$ 47.70	\$ 41.34/M	\$ 34.98/M	\$ 31.91/M	
CABBAGE SEED - OPEN-POLLINATED - SOLD BY SEED COUNT							
	25	500	1 M	5 M	25 M	100 M	
<b>new</b> 2374 Amarant Red	\$ 3.25	\$ 6.35	\$ 10.05	\$ 8.48/M	\$ 7.42/M	\$ 6.36/M	
2294 Kalibos Red	\$ 3.25	\$ 6.35	\$ 10.05	\$ 8.48/M	\$ 7.42/M	\$ 6.36/M	

Larger volumes available; please call for pricing.

# Soil MICROBES

*Dr. Lori Hoagland, Soil Microbial Ecologist at Purdue University in West Lafayette, Indiana*



that can help plants acquire nutrients and water; prevent colonization of pathogens that cause diseases in plants and humans; and prevent the uptake of toxic heavy metals like cadmium or lead into edible plant tissues.”

Another aspect of this work includes training students. “One of the ways my students and I are trying to understand how to promote beneficial plant-soil-microbial relationships in agriculture is to study these relationships in wild crop ancestors, and if possible, in their native habitats (i.e., wild tomato ancestors in the Andes). Plants evolved alongside soil microbes in natural environments where these relationships were crucial for survival of both partners. However, as we bred crops over time and developed modern farming practices (i.e., fertilizers and pesticides) without knowing about these relationships, it is likely that they were lost, and we actually now have evidence from our research studies to support this. Thus, if we can understand mechanisms that facilitate these beneficial plant-soil-microbial relationships in natural systems/wild ancestors, we can identify ways to bring them into modern germplasm and farming to reduce reliance on off-farm inputs.”

Her research into the beneficial relationships that allow plants to thrive shows the

importance of starting crops from quality seed. “Where seed comes from and how it is produced does matter! Sometimes I hear people say that you don’t need organic seed and that this shouldn’t be a requirement of organic farming systems, which really frustrates me. First of all, I think if you are going to support organic farming, you need to support all aspects of it. However, we have evidence that where/how you grow your seed also matters. We know seeds come packaged with microbes (good and bad) inside and on the surface of seed. Moreover, where you grow the seed (i.e., organic vs. conventional system, healthy vs. unhealthy soils and plants), this alters the composition of these seed-borne microbes. So, if you want healthy plants, you need to start with healthy seeds that were grown in healthy organic soil.”

On the individual level, Dr. Hoagland believes that “planting for pollinators is probably one of the easiest ways to support healthy ecosystems, and the most rewarding because you can actually see how the flowers bring in bees, wasps, hummingbirds, etc. Of course, these plants will also provide benefits below ground, as some of the carbon these plants are fixing will be released from plant roots, which helps support beneficial soil microbes.”

**D**r. Lori Hoagland is a Professor and Soil Microbial Ecologist in the Department of Horticulture and Landscape Architecture at Purdue University. She currently leads a research program aimed at identifying new approaches to improve the productivity, nutritional quality, and safety of locally grown specialty crops while improving and protecting environmental health. “To accomplish this goal, I investigate ways to promote beneficial plant-soil-microbial relationships via different soil/crop management practices and/or crop breeding programs. More specifically, my projects involve trying to promote the abundance and activity of soil and plant-associated microbes

# Carrots

*Daucus carota*

*Trials Manager Taylor and Sales Manager Paul evaluate carrot progress in the High Mowing trials field.*



**CULTURAL INFO:** Days to maturity are from direct seeding. Carrots are hardy biennials that do best in fertile, sandy loam. For more compact soils, choose tapered carrots like Chantenays or Danvers types that can wedge their way into soils. Prepare raised beds by loosening soil and raking smooth. Direct seed as soon as soil can be worked in the spring. Seedlings may take up to three weeks to emerge and may require thinning to 1" apart. Ensure constant moisture during germination. Plant every three weeks for a continual harvest. Carrots hold well in the field for up to three weeks in the summer and longer in cool conditions. Some varieties may be overwintered outdoors or in a high tunnel for an early spring harvest. For storage carrots, dig roots after frost but before ground freezes.

**DISEASE & PESTS:** Fungal leaf blights, caused by either *Alternaria dauci* or *Cercospora carotae*, can cause severe defoliation and greatly reduce yields. Generally, *Cercospora* blight appears earlier in the season than *Alternaria* blight. Both of these fungi can be seed-borne

but are primarily spread by crop residue from previous years or inoculum in the soil. White mold (*Sclerotinia sclerotiorum*) manifests as a cottony white mycelium around roots and lower plant parts, usually late in the season. Avoid planting in areas that are shady or have poor drainage, and practice crop rotations with non-vegetable crops.

**RESISTANCE KEY:** IR-Intermediate Resistance, **ALB-Alternaria Leaf Blight**, **BR-Black Rot**, **CLB-Cercospora Leaf Blight**, **CS-Cavity Spot**, **LR-Liquorice Rot**, **PM-Powdery Mildew**

**SEED SPECS:** 11-31M (18M avg) seeds/oz, 175-500M (288M avg) seeds/lb. M=1,000. **1/32 oz approx. 550 seeds.** Direct seeding rates: Baby, 40 seeds/foot in rows 12-18" apart. Bunching, 30 seeds/foot in rows 12-18" apart. Storage, 15 seeds/foot in rows 12-18" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

CARROTS



Napoli F1



Yaya F1



Red Cored Chantenay



Scarlet Nantes



Danvers 126



Naval F1

## EARLY SEASON

**2322 Napoli F1** 45 days baby, 55 full size

HYBRID • IR: **ALB, BR, CLB, CS, LR** • Long storage • 5-7" Nantes-type

**An early, versatile carrot for all seasons.** Great flavor and color as an early spring or baby carrot, but will continue to grow to full size for fresh market or storage. Great for high tunnels and one of Eliot Coleman's top choices for overwintering. Available as raw or pelleted seed.

**2336 Yaya F1** 50 days baby, 60 full size

HYBRID • IR: **BR, CLB, CS, LR** • Uniform size • Bunching or storage • 6" Nantes-type

**The standard for commercial growers.** Truly stellar flavor and crispness with blunt barrel shape. Versatile and suitable for storage, bunching or soup-grade carrots; compares well to Nelson F1 with better uniformity. One of the most well-known varieties from our friends at Bejo Seeds. Available as raw or pelleted seed.

## MAIN SEASON

**2320 Red Cored Chantenay** 65 days

HEIRLOOM • Processing and storage • 6" Chantenay-type

**Broad-shouldered variety with sweet, old-fashioned carrot flavor.** Wide shoulders, a tapered root and a blunt, rounded tip; thrives in heavy soils. Fine-grained texture and a characteristic red core. A great variety for soups, freezing, canning and storage. Introduced in France in the late 1800s and quickly became the processing industry standard.

**2340 Scarlet Nantes** 65 days

OP • Storage • 6-8" Nantes-type

**High yields with fine texture and classic carrot flavor.** Our improved strain offers enhanced uniformity and a more even rate of maturity. Bright red-orange flesh with fine grain and almost no core. Very cylindrical roots with blunt tips and smaller tops for bunching or storage. A great choice for the garden.

**2330 Danvers 126** 70 days

HEIRLOOM • Processing and storage • 6-7" Danvers-type

**Reliable, stocky variety with broad shoulders and deep orange color.** Bright orange conical roots with rugged tops strong enough to withstand being pulled. Displayed superior disease resistance in our trials and thrives in heavy soils. A great variety for canning, freezing, juicing and storing; had the highest Brix reading of any of our varieties even after months of storage. Resists splitting.

**2342 Naval F1** 72 days

HYBRID • IR: **ALB, BR, CLB, LR, PM** • Stores well • 7" Nantes-type

**Long, uniform roots and strong, healthy tops make a standout market display.** This early-maturing slicing variety has a strong following for its versatility. Naval F1's tops are healthy and durable for bunching and fresh market sales, while the roots are comparable to Bolero F1 for long term storage. Naval F1 has excellent flavor right out of the field. Moderate resistance to *Alternaria* and powdery mildew. From our partners at Bejo Seeds.

### 2328 **Miami F1** 75 days

HYBRID • IR: **ALB, BR, CLB, CS, LR** • Long storage • Uniform 6-8" Nantes-type  
**Consistently uniform cylindrical roots with exceptionally sweet carrotty flavor.** Bright orange roots grow stouter as they mature with attractive feathery tops perfect for fresh market bunches. Well adapted for early or main season successions. Very long storage; compares well to Bolero F1. Retained its great flavor long into the winter in our storage trials.



**Miami F1**



**Caravel F1**

### **new** 2331 **Caravel F1** 80 days

HYBRID • Main season • Fast-growing • 7-8" Nantes-type  
**Fast-growing, cylindrical roots with blunt tips and sweet flavor.** Strong, healthy tops make this an excellent variety for bunching in the field. Can also be grown for large, topped wholesale carrots. Roots are smooth and clean, making for efficient processing and excellent visual appeal.

### 2324 **Negovia F1** 80 days

HYBRID • IR: **ALB, BR, CLB, LR, PM** • Bunching or storage • 7-8" Nantes-type  
**A standout in our summer carrot trials for both sweetness and texture.** Smooth, cylindrical roots with impressive flavor and stronger tops than Yaya F1, plus great storage quality. Excellent uniformity makes this a good variety for bunching and mechanical harvest; compares well to Bolero F1 with similar sweetness and crunch.



**Negovia F1**



**Bangor F1**

### 2332 **Bangor F1** 90 days

HYBRID • IR: **ALB, BR, LR** • Juicing & storage • 7-9" Nantes/Berlicum-type  
**Large, crunchy cylindrical roots ideal for juicing.** The perfect juicing carrot. High yields of hefty, juicy bright orange roots with blunt tips. A main season jumbo type that resists greening and splitting; ideal for commercial growers in need of a high-yielding, long-storing variety. Develops best flavor with a little time in storage. From our partners at Bejo Seeds.

### 2334 **Dolciva** 95 days

OP • Long storing • High Brix • 8" Nantes-type  
**Exceptional storage carrot developing sweetness and maintaining quality deep into the storage season.** Great sweet flavor, juicy crunch and strong field resistance to Alternaria. We are delighted with this Swiss-bred variety. Slightly tapered roots have good uniformity, bright color and strong tops. Widely adapted; rated 20-30% higher in sugars than Bolero F1 over 9 months in storage. From our friends at Swiss biodynamic seed company, Sativa Seeds. Available as raw or pelleted seed.



**Dolciva**



**White Satin F1**

## SPECIALTY

### 2326 **White Satin F1** 68 days

HYBRID • IR: **BR, CLB, LR, PM** • Stores well • 8" Nantes-type  
**Exceptionally sweet, early white root.** A gourmet selection with juicy crunch in every bite—adored by children for its mild, sweet flavor. Fast growing roots have a small core with very vigorous and strong top growth perfect for bunching. Combine with yellow, purple and orange carrots for an unforgettable display. From our partners at Bejo Seeds.

### 2335 **Cosmic Purple** 70 days

OP • Specialty appeal • 7" Danvers-type  
**Stunning roots with deep purple skin, orange flesh and a hint of spice.** These tapered roots steal the show in salads with their extraordinary color combination and sweet flavor with a bit of spice. Tremendous gourmet appeal at market. Developed by Dr. Philipp Simon and staff at the USDA ARS in Madison, Wisconsin in 2005.



**Cosmic Purple**



**Starburst Blend**

### 2333 **Starburst Blend** 70 days

OP/HYBRID • **HMOs EXCLUSIVE** • Specialty appeal • 7-9" roots  
**A certified organic carrot blend made with improved variety strains for reliable production.** This rainbow of sweet and crunchy roots will delight people of all ages with striking shades of white, yellow, orange and purple. Our improved strain of Scarlet Nantes orange is the star of the blend, providing enhanced color and uniformity over our previous strain for a more even mix overall. Flavorful, extra nutritious roots of all colors are packed with antioxidants and add vibrant color to salads, mixed bunches and crudité's.



**Napoli F1 Yaya F1 Red Cored Chantenay Danvers 126 Scarlet Nantes Naval F1 Miami F1 Caravel F1 Negovia F1 Dolciva Bangor F1**

CARROTS



### 2337 **Yellowstone** 70 days

OP • IR: **ALB, BR, CLB, LR** • Productive • Mild flavor • 9" roots

**Long, sunflower-yellow carrots with strong, feathery tops.** Extremely productive and adaptable to many growing conditions; one of the easiest carrots to grow. Strong tops are ideal for bunching. Pick early for a sweet, tender, mildly flavored treat that kids will love.

### 2325 **Dragon** 85 days

OP • Specialty appeal • 7" Danvers-type

**Vibrant purple skin with bright orange flesh and unusual yellow core.** Adored by carrot aficionados for its yellow core and spicy yet sweet flavor. Roots are full size at 7" long, thrive in heavy soils and are very hardy. Improved from a USDA specimen by Dr. John Navazio, with lycopene content equal to tomatoes.

#### CARROT SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT

	1/32 oz	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb	20 lb*
2335 Cosmic Purple	\$ 3.25	\$ 7.35	\$ 23.30	\$ 79.50	\$ 238.50	\$ 371.00	\$ 299.98/lb	\$ 249.75/lb
2330 Danvers 126	\$ 3.25	\$ 5.30	\$ 11.15	\$ 22.25	\$ 35.20	\$ 55.10	\$ 48.76/lb	\$ 46.22/lb
2325 Dragon	\$ 3.25	\$ 7.20	\$ 21.00	\$ 71.00	\$ 200.35	\$ 322.75	\$ 267.12/lb	
2320 Red Cored Chantenay	\$ 3.25	\$ 6.00	\$ 13.00	\$ 25.00	\$ 45.00	\$ 65.00	\$ 57.00/lb	\$ 51.75/lb
2340 Scarlet Nantes	\$ 3.25	\$ 5.55	\$ 13.25	\$ 33.90	\$ 121.90	\$ 206.70	\$ 172.78/lb	\$ 155.40/lb

#### CARROT SEED - OPEN-POLLINATED - SOLD BY SEED COUNT

	250	2 M	10 M	25 M	100 M	500 M	1000 M
2334P Dolciva - Pelleted	\$ 3.25	\$ 4.10/M	\$ 2.33/M	\$ 1.61/M	\$ 1.22/M	\$ 1.03/M	\$ 0.87/M
2334 Dolciva	\$ 3.25	\$ 2.78/M	\$ 1.59/M	\$ 1.16/M	\$ 0.91/M	\$ 0.71/M	\$ 0.61/M
2333 Starburst Blend	\$ 3.25	\$ 2.98/M	\$ 1.85/M	\$ 1.60/M			
2337 Yellowstone	\$ 3.25	\$ 2.98/M	\$ 1.80/M	\$ 1.53/M	\$ 1.28/M	\$ 1.21/M	\$ 1.15/M

#### CARROT SEED - HYBRID - SOLD BY SEED COUNT

	250	2 M	10 M	25 M	100 M	500 M	1000 M
2332 Bangor FI	\$ 3.25	\$ 6.50/M	\$ 2.30/M	\$ 2.00/M	\$ 1.70/M	\$ 1.59/M	\$ 1.54/M
<b>new</b> 2331 Caravel FI	\$ 3.45	\$ 6.50/M	\$ 2.40/M	\$ 2.08/M	\$ 1.85/M	\$ 1.69/M	\$ 1.65/M
2328 Miami FI	\$ 3.25	\$ 6.10/M	\$ 2.18/M	\$ 1.82/M	\$ 1.70/M	\$ 1.59/M	\$ 1.54/M
2322P Napoli FI - Pelleted	\$ 5.35	\$ 8.63/M	\$ 4.24/M	\$ 3.18/M	\$ 2.97/M	\$ 2.71/M	\$ 2.49/M
2322 Napoli FI	\$ 3.25	\$ 6.10/M	\$ 2.30/M	\$ 1.96/M	\$ 1.80/M	\$ 1.67/M	\$ 1.60/M
2342 Naval FI	\$ 3.25	\$ 6.50/M	\$ 2.40/M	\$ 2.00/M	\$ 1.80/M	\$ 1.70/M	\$ 1.64/M
2324 Negovia FI	\$ 3.25	\$ 6.50/M	\$ 2.40/M	\$ 2.00/M	\$ 1.80/M	\$ 1.70/M	\$ 1.64/M
2326 White Satin FI	\$ 4.25	\$ 8.15/M	\$ 3.20/M	\$ 2.97/M	\$ 2.48/M	\$ 2.30/M	\$ 2.15/M
2336P Yaya FI - Pelleted	\$ 5.25	\$ 8.75/M	\$ 3.50/M	\$ 2.89/M	\$ 2.65/M	\$ 2.53/M	\$ 2.39/M
2336 Yaya FI	\$ 3.25	\$ 6.10/M	\$ 2.30/M	\$ 1.96/M	\$ 1.75/M	\$ 1.59/M	\$ 1.54/M

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more. \*\*For pelleted seed, add \$14 for 500 M and \$28 for 1000 M.

CARROTS

# FIREFLIES



**S**ometimes beneficials aren't organisms with obvious or straight forward contributions. It's easy to understand how a honeybee is beneficial for humans and farms, as the honey is an agricultural product and their pollination in the garden leads to fruit. There are organisms in our ecosystems with more subtle influences on their environment that offer something very important.

These organisms are called bioindicators and they can tell us a lot about the health and vitality of our living landscapes. Species that

are considered bioindicators are those that are easily impacted by environmental changes. One species that is heavily impacted by land use change is fireflies. When we see fireflies, it can serve as an indication that the ecosystem is healthy and stable enough to support their lifecycles, which in turn suggests that the ecosystem is also capable of supporting a diverse assortment of other plants and animals.

Fireflies live in meadows and forests and the most common species are completely nocturnal. Hibernating in the winter in their larval stage, insects will either burrow in the ground or take shelter under tree bark, under housing siding, or in other well protected areas. Some species will hibernate for years before emerging in spring. Most species have a predatory larval stage and feed on other insects, snails, worms and slugs. Adult beetle diets vary by species but range from being predatory to feeding on pollen and nectar.

Many species of fireflies have little to no

predators due to the chemical compound, and defensive steroid, lucibufagins, which is found in their bodies and makes them taste bad to vertebrate predators. Even without predation, fireflies are declining across the globe for numerous reasons including habitat loss, habitat disconnection, pesticides, herbicides and light pollution. Fireflies are very sensitive to environmental levels of light pollution because they use their bioluminescence to reproduce.

The good news is, just by planting a diverse home garden or by operating an organic farm, we provide valuable habitat that replaces habitat that has potentially been lost to development. Because fireflies spend 95% of their life in larval stages, a healthy, balanced soil can create crucial habitat for native populations. Other ways to support your native fireflies include mulching, low and no-till practices, planting and encouraging native grasses and limiting artificial lighting during their breeding season.

# Cauliflower

*Brassica oleracea var. botrytis*



Amanda, Monique and Taylor compare early varieties of cauliflower in the High Mowing trials field.

**CULTURAL INFO:** Days to maturity are from transplant; add 15-20 days if direct seeding. Cauliflower is a cool season biennial closely related to broccoli and cabbage. It does best in cool, temperate climates but can be grown anywhere with the right varieties and good care. Greatly prefers steady, uninterrupted growth with good fertilization and ample water. Environmental stress leads to poor head development. Direct seed or start indoors 4-6 weeks before planting date. Plant outdoors in spring as soon as hard frost has passed. Seedlings can withstand light frost once hardened off. Fall crops should be sown in mid-summer and protected from extreme heat and drought during establishment. Daytime temperatures between 70-80°F and cool nights are ideal for head development. Cover developing heads by tying leaves together for a blanched effect.

Self-blanching varieties have tight leaf curl around heads to minimize the need to cover. Harvest heads promptly when they are full size but still compact, white and smooth. Delaying harvest results in curds turning loose and ricey, greatly reducing quality.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **FY-Fusarium Yellows**, **VW-Verticillium Wilt**

**SEED SPECS:** 5.6-7.5M (6.3 avg) seeds/oz, 90-120M (100M avg) seeds/lb. M=1,000. Direct seeding rate: 2 seeds every 12", thin to 1 plant in rows 18-30" apart. Transplants: 12-18" apart in rows 18-30" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

**new** 2292 **Bermeo F1** 68 days

HYBRID • Heat tolerant • 6-7" heads

**Early-maturing cauliflower with a great inner wrap.** Hardy leaves surround a reliable firm, round, domed head. Excellent variety for summer production due to exceptional heat tolerance. Heads are uniform and dense, making it a great choice for commercial growers. Plants hold well in the field. From our partners at Bejo Seeds.



2312 **Mardi F1** 70 days

HYBRID • Spring or fall crop • Partially self-blanching • 6-7" heads

**Large, off-white heads on highly uniform plants.** Each plant produces impressive heads of pronounced florets with smooth buds that avoid getting ricey. Scored the highest for overall quality in our cauliflower trials. Good flavor with high yield potential.



2318 **Skywalker F1** 72 days

HYBRID • Uniform maturity • 5.5" heads

**Long season variety with exceptional quality for fall harvests.** A narrow harvest window is perfect for market or wholesale growers. Sturdy plants produce picture perfect, dense, milky white heads. Partially self-blanching heads easily separate into tender, uniform florets. A reliable variety, widely adapted to many regions. From our partners at Bejo Seeds.



2299 **Adona F1** 75 days

HYBRID • Spring or fall crop • 5" heads

**Strong, vigorous plants with beautiful, high-quality heads and a short harvest window.** Well-domed, compact heads with dense, flavorful white curds that resist becoming fuzzy or ricey. Heads are well-protected; wrapper leaves are suited to tying or the "break, fold and cover" method of blanching. Tolerant of bacterial soft rot and downy mildew.



2319 **Veronica F1 Romanesco** 77 days

HYBRID • HR: **FY** • Gourmet • Space large plants 3' apart • 6-7" heads

**Extraordinary spiralled heads with mild, nutty flavor.** Heads are an alluring chartreuse in cool conditions and creamy white with a pink blush in summer. Favored for crudités and raw vegetable dishes. This type of cauliflower has northern Italian roots dating back to the 15th century and is a gourmet favorite today. From our partners at Bejo Seeds.



CAULIFLOWER SEED - HYBRID - SOLD BY SEED COUNT	25	500	1 M	5 M	25 M	100 M
2299 Adona F1	\$ 4.65	\$ 29.95	\$ 54.00	\$ 47.70/M	\$ 39.22/M	\$ 33.39/M
<b>new</b> 2292 Bermeo F1	\$ 4.65	\$ 29.95	\$ 54.00	\$ 47.70/M	\$ 39.22/M	\$ 33.39/M
2312 Mardi F1	\$ 5.30	\$ 32.85	\$ 55.10	\$ 45.58/M	\$ 40.28/M	\$ 36.04/M
2318 Skywalker F1	\$ 5.70	\$ 33.40	\$ 56.20	\$ 46.22/M	\$ 40.70/M	\$ 36.15/M
2319 Veronica F1 Romanesco	\$ 5.75	\$ 41.85	\$ 72.10	\$ 62.54/M	\$ 56.00/M	\$ 51.50/M

Larger volumes available; please call for pricing.

Your Source for 100% Certified Organic, Non-GMO Project Verified Seeds

CAULIFLOWER

# Celery & Celeriac

*Apium graveolens*

Celery at the Holland trials of our partner, Bejo Seeds.

CELERY

**CULTURAL INFO:** Days to maturity are from spring transplanting. Celery and celeriac can be a challenging crop for beginning growers. These crops require a very long growing season with heavy feeding and a steady water supply. Transplanting is highly recommended; start seeds indoors 10-12 weeks before planting date. Optimal soil temperature for germination is 70-75°F and tiny seeds require shallow planting. Harden off plants by reducing water for one week. Do not decrease temperature, as a ten day period with nights below 40°F and days below 55°F can cause bolting. Transplant when outside temperatures are consistently over 50°F. In hot climates, celery may require partial shade. Celery is commonly blanched by covering plants, hilling with soil or planting close together. After harvest, cool stalk heads immediately in water and store at 34°F with 95% relative humidity for up to two weeks.

**DISEASE & PESTS:** Fungal leaf blights caused by either *Alternaria dauci* or *Cercospora carotae* can cause severe defoliation and greatly reduce yields. Both can be spread by crop residues from previous years. The fungal pathogen *Fusarium oxysporum* f. sp. *apii*

causes yellowing leaves and stunted growth. Use resistant or tolerant cultivars and practice crop rotation to decrease risk of infection. Some common pests will attack celery and celeriac including cutworms, whiteflies, cabbage looper and aphids. Many can be controlled through crop rotation and cover cropping to break pest cycles, or with a broad-spectrum application like spinosad or *Bacillus thuringiensis* (Bt), preferably in rotation with one another to prevent selection of resistant individuals. Check with your certifier before applying pesticides.

**RESISTANCE KEY:** HR-High Resistance, **FY-Fusarium Yellows**

**SEED SPECS:** 54-81M (67.8M avg) seeds/oz. M=1,000. 1/10 gm approx. 225 seeds. Transplants: 6-8" apart in rows 18-24" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.



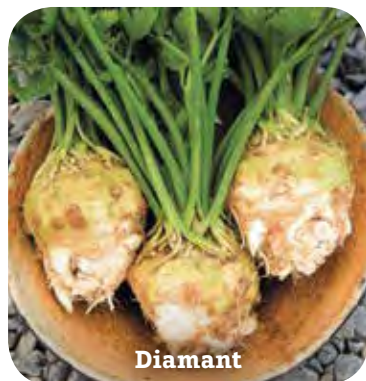
Merengo F1



Tango



Balena F1



Diamant

## CELERY

### 2398 Merengo F1 80 days

HYBRID • HR: **FY** • Vigorous • 28" tall

**Early variety with compact plants for easy packing.** Robust plants grow quickly and have good flavor and texture. Tall, dark green stalks with healthy tops. Performed extremely well in our trials through wet conditions. Replaced and is comparable to Calypso. From Bejo Seeds.

### 2344 Tango 85 days

OP • Self-blanching • 18-20" tall

**Greatly improved variety that is early and easy to grow.** Plants are vigorous with good flavor; excellent for shorter seasons and home gardens. Smooth, non-stringy stalks with a big celery crunch and beautiful, apple-green tops. The most forgiving of our celery varieties. Available as raw or pelleted seed.

## CELERIAC

### 2397 Balena F1 108 days

HYBRID • HR: **FY** • Improved bolt tolerance • Upright foliage attachment

**Hybrid celeriac with improved bolt tolerance.** Excellent upright leaf growth and healthy foliage. Interiors are a lovely solid white, with little pithiness. Quick to mature with exceptional cold tolerance. From our partners at Bejo Seeds. Available as raw or pelleted seed.

### 2396 Diamant 115 days

OP • HR: **FY** • Long storage • Easy to clean

**Large, uniform roots delicious in soups, salads and roasted vegetable dishes.** Rugged looking roots hide a creamy white interior with surprisingly delicate celery flavor. Produced large, uniform roots in our trials. Leaves grow upright from the crown center for better presentation and easy cleaning. Requires consistent moisture all season. From Bejo Seeds.

#### CELERY & CELERIAC SEED - OPEN-POLLINATED - SOLD BY SEED COUNT

	100	1 M	5 M	25 M
2396 Diamant Celeriac	\$ 4.65	\$ 19.10	\$ 16.96/M	\$ 13.57/M
2344 Tango Celery	\$ 3.90	\$ 10.10	\$ 8.00/M	\$ 6.80/M
<b>new</b> 2344P Tango Celery - Pelleted	\$ 4.85	\$ 12.85	\$ 11.00/M	\$ 9.00/M

#### CELERY & CELERIAC SEED - HYBRID - SOLD BY SEED COUNT

	100	1 M	5 M	25 M
2397 Balena F1 Celeriac	\$ 4.75	\$ 19.95	\$ 17.22/M	\$ 15.54/M
<b>new</b> 2397P Balena F1 Celeriac - Pelleted	\$ 5.25	\$ 22.25	\$ 19.00/M	\$ 17.00/M
2398 Merengo F1 Celery	\$ 4.25	\$ 13.60	\$ 11.60/M	\$ 9.40/M



# Chard

*Beta vulgaris*



Jennifer hoes a caterpillar tunnel of chard at Echo Creek Farm in upstate New York.

**CULTURAL INFO:** Days to maturity are from direct seeding; if transplanting subtract 14-21 days. Chard is a hardy biennial that can be direct seeded all season long and used for winter tunnels. Thin as needed to promote healthy, uniform plants. It is easy to grow and tolerates mild freezes. Transplants can be started 4-6 weeks before planting. Plant outdoors after the danger of frost has passed. Immature plants can withstand temperatures down to 32°F. Optimal germination temperature is 55-75°F. For baby leaf production, sow every week until four weeks before frost date for a continual summer harvest. Chard prefers nutrient-rich soils with good drainage and a pH between 6.0-7.0. Chard is an excellent source of fiber and is high in antioxidants like vitamins C, K and A.

**DISEASE & PESTS:** Prevent disease and recurrent pest pressure with crop rotation and cover cropping. Because the leaves are the edible portion, damage from insects may require greater control. Chard does not compete well with weeds; keep beds well weeded to avoid creating a host for pests and competition with chard plants. Chard is

susceptible to flea beetles, aphids and leafminer and should be kept under row cover in early growth stages to avoid damage. Slugs attack chard by chewing holes in leaves and creating grooves in the ribs; prevention techniques include drip irrigation instead of overhead watering and correct plant spacing to avoid overcrowding. Slugs can be controlled with diatomaceous earth or iron phosphate products. The fungal disease *Cercospora* leaf spot can occur when excessive moisture is present; avoid overhead watering and overcrowding of plants to allow adequate air flow. Remove any affected leaves promptly.

**SEED SPECS:** 1.2-2.5M (1.5M avg) seeds/oz, 20-40M (30M avg) seeds/lb. M=1,000. 1/16 oz approx. 90 seeds. Direct seeding rate: Baby, 40 seeds/foot in a 2" band in rows 2-6" apart. Bunching, 6 seeds/foot, thin to 1 plant every 8-12" in rows 18-30" apart. Transplants: 12-18" apart in rows 18-30" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## 2343 Fordhook Giant 25 days baby, 50 full size

HEIRLOOM • Broad stems • High yielding

**An easy winner for appearance and flavor in our trials.** Broad, white stems and midribs contrasting with deep green, savoyed leaves make Fordhook a bestseller year after year. Large plants have very upright architecture with high yield potential, excellent for commercial growers.

## 2351 Pink Passion 28 days baby, 55 full size

OP • Narrow to broad stems

**Striking pink stalks and emerald green leaves for an eye-catching bunch.** Veins and midribs are colored a striking magenta against deep green leaves. Leaves are more consistent with Ruby/Rhubarb than the Fordhook style but at full size can have wide, flattened stems.

## 2355 Silverado 30 days baby, 55 full size

OP • Narrow stems • Slow to bolt • Disease resistant

**Deep green glossy leaves and bright, white stems are beautiful at baby or full size.** More compact and deeply savoyed than Fordhook with a narrower stem. Extremely cold tolerant and slow to bolt. Displays field resistance to *Cercospora* leaf spot, allowing for a very long harvest window of high-quality leaves. High Mowing is proud to be the exclusive producer of organic seed for this variety thanks to our partnership with Sakata Seed. Bred by Alf Christianson Seed Company. A portion of the sales of this variety is paid to the breeder.

## 2350 Improved Rainbow Blend 30 days baby, 60 full size

OP • Narrow to broad stems • Upright, easy to harvest

**Striking improved blend of red, pink, white, yellow and gold stems.** Upright habit makes for clean production and easy harvesting. Color intensity is not as well defined early on; mostly pink, red and white at baby stage. Grow to full size for a dazzling display at market.

## 2365 Rhubarb Supreme 30 days baby, 60 full size

OP • Broad stem • Striking colors

**Deep red stemmed chard with vibrant green leaves.** A product of an exciting breeding project conducted by Dr. John Navazio, Nash's Organic Produce, and Organic Seed Alliance, this excellent chard variety is an improvement on the classic "rhubarb" type. Perfect for full-sized bunching, this variety has been selected for bolt resistance which tends to affect red chard varieties the most. Leaves are large and savoyed with exceptional savory flavor. This variety is a favorite of growers due to its striking colors and outstanding performance in the field.



Fordhook Giant



Pink Passion



Silverado



Rhubarb Supreme



Improved Rainbow Blend

CAULIFLOWER



**Ruby/Rhubarb Red**



**Sunset**

**2360 Ruby/Rhubarb Red** 30 days baby, 60 full size

HEIRLOOM • Narrow stems • Micro, baby or full size crop

**Rich crimson red stems and bright green savoyed leaves.** Our improved strain of this standard red has been selected for highly savoyed leaves, color contrast and minimal chocolate leaves late in the season. Good early coloring of stems, perfect for microgreens or baby leaf.

**2347 Sunset** 30 days baby, 60 full size

OP • Bright golden yellow stems • Gorgeous green leaves

**Bright golden yellow stems that vein beautifully into glossy, broad, green leaves.** Plants are large and uniform, displaying a beautiful bouquet of deep green leaves on cheerful golden stems. Performs well in variable weather, exhibiting exceptional quality as a microgreen, when harvested as a baby leaf and when grown to full size for bunching. Can be mixed with other colors for a classic rainbow appeal.

**CHARD SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT**

	1/16 oz	1/4 oz	1 oz	1/4 lb	1 lb	5 lb
2343 Fordhook Giant	\$ 3.25	\$ 4.05	\$ 6.00	\$ 14.98	\$ 47.70	\$ 39.22/lb
2350 Improved Rainbow Blend	\$ 3.25	\$ 7.05	\$ 12.20	\$ 23.00	\$ 77.90	\$ 71.02/lb
2351 Pink Passion	\$ 3.25	\$ 9.80	\$ 20.65	\$ 67.85	\$ 217.30	\$ 186.56/lb
2365 Rhubarb Supreme	\$ 3.25	\$ 9.55	\$ 15.90	\$ 44.50	\$ 159.00	\$ 148.40/lb
2360 Ruby/Rhubarb Red	\$ 3.25	\$ 4.50	\$ 5.25	\$ 16.50	\$ 53.00	\$ 45.00/lb
2355 Silverado	\$ 3.25	\$ 6.50	\$ 12.00	\$ 35.00	\$ 115.00	\$ 71.00/lb
2347 Sunset	\$ 3.25	\$ 6.50	\$ 10.00	\$ 17.00	\$ 55.00	\$ 47.00/lb

Larger volumes available; please call for pricing.



# Collards

*Brassica oleracea*

*Trials Manager Taylor harvests collard greens from the High Mowing Trials farm.*

**CULTURAL INFO:** Collards are a hardy biennial closely related to kale, cabbage and broccoli. They will overwinter in milder climates and have a long harvest window. Fluctuations in temperature and water do not affect leaf quality in collards the way they affect head quality in other cole crops. Of all cole crops, collards tolerate hot weather the best. Direct sow when daytime soil temperatures warm to 65-75°F or start 4-6 weeks before planting date. Seedlings can tolerate light frost after they've hardened off. Sow fall plantings two months before first expected frost for full size, and up until frost for baby leaf. Sweetens after light frosts.

**DISEASE & PESTS:** Prevent disease and recurrent pest pressure with crop rotation and cover cropping. Insect pests of the Lepidoptera order (cabbage and diamondback moths, etc.) can be

controlled with *Bacillus thuringiensis* (Bt) and/or spinosad, ideally in rotation with one another. Flea beetles are detrimental with young plants; use row cover or OMRI-approved broad spectrum, neem, spinosad or capsaicin to control populations. Check with your certifier before applying.

**SEED SPECS:** 5.6-9.4M (7.5M avg) seeds/oz, 90-150M (120M avg) seeds/lb. M=1,000. **1/32 oz approx. 250 seeds.** Direct seeding rate: Baby, 60 seeds/foot in a 2" band in rows 2-6" apart. Full size, 3 seeds every 12-18", thin to 1 plant in rows 18-30" apart. Transplants: 12-18" apart in rows 18-30" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.



**Champion**



**Georgia**

**2552 Champion** 70 days

OP • Improved Vates type • 24-36" tall • Compact habit

**Selected to hold in the field up to two weeks longer than other varieties for an extended harvest.** Rich blue-green, tender leaves. Plants are bolt resistant, productive and hardy. Waxy leaf surface provides natural protection from cabbage worms.

**2553 Georgia** 70 days

HEIRLOOM • 36" tall plants • Heat tolerant

**Top producer of tender, mild greens with reliable, heavy yields.** Long, loosely held leaves are dark green with stark white midribs. Smoother leaves, whiter midribs, shorter internodes and larger habit than Champion. Thrives where it's too hot for other cole crops. Old-time favorite introduced before 1880; variable leaf shape.

**COLLARDS SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT**

	1/32 oz	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb
2552 Champion	\$ 3.25	\$ 6.00	\$ 12.25	\$ 28.00	\$ 58.00	\$ 105.00	\$ 90.00/lb
2553 Georgia	\$ 3.25	\$ 5.40	\$ 12.45	\$ 25.95	\$ 53.00	\$ 85.35	\$ 77.38/lb

Larger volumes available; please call for pricing.

# Corn

## Zea mays

Lupe and Manuel of Meños Farm stand in front of their Natural Sweet XR F1 corn crop in Riverside, California.

**CULTURAL INFO:** Days to maturity are from direct seeding. Corn is a warm-season, tender annual. It is a heavy feeder that needs high fertility and benefits from side dressing. Plant sweet corn varieties away from flint corn and popcorn to avoid crossed kernels. For improved pollination, plant in blocks with a minimum of four rows rather than long single rows. Side dress when plants are a foot tall. Harvest when ear silks have dried to a dark brown and kernels are filled to the tip and colored. Sweet corn is generally ready 21 days after first silk. For best quality, eat right away or cool to 32°F within one hour of harvest. Store at 32-34°F with 98% relative humidity.

**GMO POLICY:** Through a combination of controlled stock seed production, field isolation and inspection, and policies for harvesting and handling, we focus on prevention of GMO contamination in all our seeds. All corn seed lots are also tested to confirm zero detectable level in 10,000 seeds. No contaminated seed lots will ever be sold.

**DISEASE & PESTS:** Prevent disease and recurrent pest pressure with crop rotation and cover cropping. Damping off may occur when planting untreated seed in cool soils. Other diseases include Rust, Northern Corn Leaf Blight, and Stewart's Wilt (*Erwinia stewartii*). Common insect pests include corn flea beetles (a different species than those that attack brassica crops), corn earworm, and European Corn Borer, which can be controlled with beneficial parasitic wasps, *Bacillus thuringiensis* (Bt) or spinosad. Always check with your certifier before applying organic control measures.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **CR-Common Rust**, **NCLB-Northern Corn Leaf Blight**, **S-Smut**, **SW-Stewart's Wilt**

### GENETIC SWEET CORN TYPES:

**Standard (su)** – Traditional flavor of sweet corn. Conversion of sugar to starch begins quickly after harvest. Should be eaten soon after harvest.

**Sugary Enhanced (se)** – Heterozygous se type. Tender kernels. Retain their sugar content longer after harvest than su varieties.

**Tablesweet (se+)** – Homozygous se type. Tender kernels. Retain their sugar content longer after harvest than su varieties.

**Synergistic (sy)** – Possesses se and sh2 kernels on the same ear. Retains sweetness post-harvest better than se, while still maintaining se tenderness.

**Supersweet (sh2)** – Highest sugar content. Holds sweetness post-harvest longer than other types.

**Augmented supersweet (augmented sh2)** – Possesses se and sh2 in every kernel. Highest sugar content. Retains sweetness post-harvest longer than other types. More tender kernels than regular sh2 varieties.

**SEED SPECS:** Sweet Corn: 105-220 (160 avg) seeds/oz, 1.7-3.5M (2.5M avg) seeds/lb.

**1 oz approx. 150 seeds.** Popcorn: 235-280 (250 avg) seeds/oz, 3.8-4.5M (4.2M avg) seeds/lb. **1 oz approx. 250 seeds.** Ornamental & Milling: 75-125 (100 avg) seeds/oz, 1.2-2M (1.6M avg) seeds/lb. **1 oz approx. 100 seeds.** M=1,000. Direct seeding rate: 2 seeds/foot in rows 30-36" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

### SWEET CORN, WHITE

#### 2389 Natural Bright XR F1 74 days

HYBRID • HR: **CR** • Supersweet (sh2) • 8" ears

**Exceptional white, sweet corn with great husk protection and tender, sweet kernels.** This sister hybrid of Natural Sweet XR F1 is the first white-kernelled, organic supersweet variety offered from Illinois Foundation Seeds, Inc. These vigorous, 6' tall plants have strong resistance to lodging in the field and produce 8" ears with superb eating quality. Holds well in the cooler post harvest.

#### 2378 Mirage F1 79 days

HYBRID • HR: **CR** / IR: **NCLB, SW** • Synergistic (sy) • 8-9" ears

**Attractive ears with wonderfully tender, sweet kernels that melt in your mouth.** Ears start 2.5' from the ground for easy harvest and are well wrapped in dark green husks. Plants are 7' tall and average 2 ears per plant with 16 rows of kernels each. Thanks to our partnership with Seneca Vegetable Research, High Mowing is the exclusive producer of organic seed for this variety. A portion of the sales of this variety is paid to the breeder.



Natural Bright XR F1



Mirage F1

### SWEET CORN, YELLOW

#### 2375 Fisher's Earliest 70 days

OP • Standard (su) • 6" ears

**Early and beautiful with old-fashioned flavor.** Vigorous, multi-colored 5-6' stalks with one ear per plant sitting 18" high. Ears grow 10-12 rows of kernels; excellent tip fill and husk cover. All su's should be picked and eaten quickly as ears lose sweetness rapidly post-harvest. Selected for short seasons by Ken Fisher of Belgrade, MT.



Fisher's Earliest



Natural Sweet XR F1

### SWEET CORN, BI-COLOR

#### 2386 Natural Sweet XR F1 73 days

HYBRID • HR: **CR** • Supersweet (sh2) • 7.5" ears

**An organic supersweet with improved sweetness and tenderness.** From the same breeding team that brought us Xtra-Tender 2171 F1, Natural Sweet XR F1 is a continuation of these impressive sweet corn genetics. Slightly taller (5' plants) and with more ideal ear height for harvesting (20-25") than 2171 F1, these vigorous plants produce uniform ears with great husk coverage and exceptionally sweet, milky kernels for enhanced eating quality. Developed by Illinois Foundation Seeds, Inc.



Allure F1



Enchanted F1



Who Gets Kissed?



Painted Mountain



Dakota Black



My Fair Lady F1



Tom Thumb



Roy's Calais Flint



Tap Dancer

## GROWER'S CHOICE

“Allure F1 corn has been very productive for us on the farm. Consistent ear size and ear fill. It's a customer favorite. I enjoy letting customers know it keeps its flavor longer and they don't have to eat it right away.” —Kyle at KRD Farms in Illinois

### 2379 Allure F1 75 days

HYBRID • HR: CR / IR: SW • Synergistic (sy) • Slender 8" ears

**Seductive sweetness and an instant favorite in our trials.** Long-lasting confectionary sweetness and excellent seedling vigor. Ears have good tip fill, and biting into the tender kernels results in a juicy pop. Impressively uniform 6-7' stalks. Synergistics (sy) hold sweetness better post-harvest than se's. Thanks to our partnership with Seneca Vegetable Research, High Mowing is the exclusive producer of organic seed for this variety. A portion of the sales of this variety is paid to the breeder.

### 2385 Enchanted F1 78 days

HYBRID • IR: CR, NCLB, SW • Augmented supersweet (sh2) • 7" ears

**This augmented hybrid produces ears full of mouthwatering, plump kernels and stays sweet longer post-harvest.** Buttery white and gold kernels are juicy and flavorful. Ears consistently have 18-20 rows of kernels and excellent tip fill. Great variety for processing and freezing. Thanks to our partnership with Seneca Vegetable Research, High Mowing is the exclusive producer of organic seed for this variety. A portion of the sales of this variety is paid to the breeder. *Limited availability in 2022*

### 2376 My Fair Lady F1 78 days

HYBRID • Sugary Enhanced (se) • 7-8" ears

**High-class corn with tender texture and delicious, sweet flavor.** Elegant, long, slender ears are 1.25" wide at the center. Single-stalked plants grow to 5'. Developed by Dr. William Tracy at the University of Wisconsin in collaboration with High Mowing. A portion of the sales of this variety is paid to the breeder.

### 2382 Who Gets Kissed? 78-84 days

OP • IR: CR, S • Sugary enhanced (se) • 7-8" ears

**A sweet corn bred for (and by) organic growers.** Excellent flavor and texture; good cool soil emergence. Compact 5-6' tall plants with ears 2' off the ground. Good tip fill and husk coverage. Extended harvest window—check frequently for maturity. Developed by Dr. Bill Tracy, Jared Zystro, Dr. Adrienne Shelton and Dr. John Navazio in collaboration with Organic Seed Alliance and farmer Martin Diffley. High Mowing is the exclusive producer of organic seed for this variety. A portion of the sales of this variety is paid to the breeder.

## POPCORN, ORNAMENTAL, MILLING

### 2410 Tom Thumb 85 days

HEIRLOOM • YELLOW • Popcorn • Dwarf 3' plants • 3-4" ears

**Extra-early popcorn succeeds even in cold climates.** Dwarf plants each produce 1-2 petite ears for decorations or wreaths. Pops well with a slightly denser texture than commercial popcorn. Improved by Professor E. Meader at the University of New Hampshire. *Limited availability*

### 2404 Painted Mountain 90 days

OP • MULTI-COLOR • Ornamental/Milling • 6-7" ears

**Colorful Montana mountain corn for milling flour.** Selected by Dave Christenson from a strain of Mandan Indian corn for earliness and cold-hardiness. Multi-color kernels vary from ear to ear. Perfect for flour with soft starchy kernels that are easy to grind.

### 2390 Roy's Calais Flint 90-95 days

HEIRLOOM • GOLD/RED • Ornamental/Milling • 9-12" ears

**Beautiful gold and maroon ears excellent for cornmeal, flour and hominy.** This excellent Vermont flint corn was recognized by the Slow Food Ark of Taste as a historic variety in need of preservation. Highly ornamental and genetically unusual blend of colors. Seed royalties are paid to the Indigenous Seed Keepers Network in acknowledgement of the historic breeding work done by the Abenaki people of the Northeast and Quebec. A portion of the sales of this variety go to the Native American Food Sovereignty Alliance.

### 2371 Dakota Black 95 days

OP • BLACK • Popcorn • Long storage • 5-6" ears

**Delicious and beautiful with eye-catching black kernels.** Perfect rows of purple-black kernels up to the tip. 6-7' plants typically have one ear each. Allow to dry fully in the field and continue drying inside for best popping. Bred by Prairie Road Organic Farm in North Dakota.

### **new** 2372 Tap Dancer 115 days

OP • BICOLOR • Popcorn • Full size • 6.5" ears

**Gorgeous open pollinated popcorn with yellow, purple and white kernel coloration.** Vigorous plants grow upwards of 9.6' producing uniform, full-sized ears of beautifully colorful popcorn with good tip fill. Kernels pop easily when cooked, becoming fluffy with great eating quality. Bred by Dan Kelly at Blue Heron Orchard.

**CORN SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT**

	1 oz	1/2 lb	1 lb	5 lb	20 lb*
2371 Dakota Black Popcorn	\$ 5.30	\$ 24.40	\$ 40.30	\$ 31.80/lb	\$ 27.14/lb
2375 Fisher's Earliest Sweet	\$ 4.90	\$ 18.40	\$ 31.90	\$ 27.03/lb	\$ 24.38/lb
2404 Painted Mountain Milling	\$ 4.75	\$ 21.90	\$ 27.85	\$ 25.00/lb	\$ 24.25/lb
2390 Roy's Calais Flint	\$ 4.60	\$ 15.10	\$ 23.85	\$ 20.99/lb	\$ 19.29/lb
<b>new</b> 2372 Tap Dancer Popcorn	\$ 4.15	\$ 17.25	\$ 30.00	\$ 25.00/lb	\$ 21.40/lb
2410 Tom Thumb Popcorn - Limited availability	\$ 5.00	\$ 18.65	\$ 33.65	\$ 28.09/lb	\$ 25.99/lb
2382 Who Gets Kissed? Sweet	\$ 4.90	\$ 18.40	\$ 31.90	\$ 27.03/lb	\$ 24.38/lb

**CORN SEED - HYBRID - SOLD BY SEED COUNT**

	75	1 M	5 M	25 M	100 M**	500 M**
2379 Allure F1 Sweet	\$ 4.60	\$ 23.05	\$ 18.02/M	\$ 15.69/M	\$ 13.75/M	\$ 11.58/M
2385 Enchanted F1 Sweet	\$ 4.60	\$ 23.05	\$ 18.02/M	\$ 15.69/M	\$ 13.75/M	\$ 11.58/M
2378 Mirage F1 Sweet	\$ 4.60	\$ 23.05	\$ 18.02/M	\$ 15.69/M	\$ 13.75/M	\$ 11.58/M
2376 My Fair Lady F1 Sweet	\$ 4.00	\$ 20.70	\$ 13.80/M	\$ 10.35/M	\$ 8.76/M	\$ 7.61/M
2389 Natural Bright XR F1 Sweet	\$ 6.35	\$ 28.00	\$ 27.00/M	\$ 23.80/M	\$ 21.50/M	\$ 20.30/M
2386 Natural Sweet XR F1 Sweet	\$ 6.35	\$ 28.00	\$ 27.00/M	\$ 23.80/M	\$ 21.50/M	

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more. \*\*For 100M, add \$14. For 500M, add \$65.

# CHIEF Donald Stevens

*Leader of the Nulhegan Band of the Coosuk Abenaki Nation in the Unceded Territory of NE Vermont*



Photo by Caleb Kenna

When I hold a seed in my hand, not only am I connecting to creation itself and the gift that was given to our ancestors, but also the thousands of ancestors that cared for it. If any one of those people had given up saving the seed or thrown it away, I wouldn't have it in my hand today. When I teach, I ask them, 'what would you do with this responsibility? Will you break the chain of custody and lose this gift forever? Or will you do something with it to ensure it is passed on to the next generation?' It is a chain that connects us to each other and to the creator."

Chief Donald takes his leadership very seriously. In 2012, he helped the Nulhegan Abenaki Tribe acquire 65 acres of land. He has worked with the State of Vermont to secure hunting and fishing rights for his people and started the Nulhegan Food Security Program which includes a community garden project, The Beef and Bison Project, and The Abenaki Landlink Project.

"Part of what I am working on is bringing back some of our ancient seeds. Fred Wiseman, with the Seeds of Renewal Program, had the same interest, specifically in regaining the genetic purity of our ancient seeds. I saw the importance of that, of course, but I was very motivated by the need to feed our people. Fred Wiseman started working on genetic testing and breeding projects to regain the purity of our seeds with the help of Sterling College in Craftsbury, Vermont. We started working with Sterling College to try and create a seedbank for the Abenaki people.

We went about this effort as a means of feeding the people; providing free, culturally relevant seeds; and educating about growing and seed saving. The reality was, we as a nation don't have the labor, resources or land to grow out these varieties ourselves. Sterling College agreed to be the first group to grow out our seeds and build the seed bank. They agreed to feed our people from the harvests."

In the second year, Chief Donald also worked with Middlebury College and by the third year, with both Sterling and Middlebury Colleges and with the UVM Horticultural Farm. At this time, NOFA Vermont joined the effort, connecting Chief Donald to Vermont growers who wanted to grow crops and share the seeds. Chief Donald's efforts with these institutions have resulted in relationships with the three colleges and now 40 growers through NOFA Vermont. Because of this community collaboration, food distribution centers in Holland, VT, Shelburne, VT, and Contoocook, NH, are providing culturally relevant food to the Abenaki community.

Chief Donald Stevens is the leader of the Nulhegan Band of the Coosuk Abenaki Nation. The traditional homelands of the Abenaki, called N'dakinna, include Vermont, New Hampshire, parts of Canada, Maine, and Massachusetts. Today, Chief Donald Stevens works to protect the rights and preserve the heritage of his people. The Abenaki have had to overcome incredible challenges since the colonization of their territories and Chief Donald understands just how important seeds have been for their survival.

"We look at seeds in a different way. When I teach our students, I will give them a corn seed and ask them, 'what do you see?' They'll answer 'food, life, potential,' which is all true. Most of that in our view, however, is superficial. How we look at seeds is much different. Our corn mother story is a great example: the corn mother gave her life in order to feed her children. At some point, she had to sacrifice something to give her children that nourishment. The creator gave our ancestors a finite amount of seed each season. Someone had to plant it, take care of it, harvest it, keep it from the critters eating it all winter or it going moldy or spoiling, only to replant it again the following spring. This was done year after year until their life was over and the seed was now with someone else.

# Cucumbers

*Cucumis sativus*

Demario and Joe harvest from a summer cucumber succession at Love is Love Farm in Atlanta, Georgia.

**CULTURAL INFO:** Days to maturity are from direct seeding, subtract 10 days if transplanting. Cucumbers are warm season tender annuals that enjoy generous amounts of organic matter and good fertility. They can be direct seeded after all danger of frost has passed or begun as transplants 3-4 weeks before planting date. Optimal soil temperature for germination is 75-85°F. Plastic mulch and row covers are commonly used for field cucumbers to increase temperature and ward off insects. Thin-skinned cucumbers are especially affected by cucumber beetle feeding and may require row cover. Monoecious plants have both male and female flowers and require pollination. Greenhouse cucumbers are parthenocarpic and are able to produce fruit without pollination. Gynoecious plants produce predominately female flowers. Harvest cucumbers regularly to increase production. Cucumbers store well for up to 7-10 days at 50-55°F with 95% relative humidity and can become injured at temperatures lower than 50°F. Thin-skinned cucumbers are best stored wrapped in plastic. Beit Alphas are similar to European/Dutch types with the same ribbed skin but smaller.

**DISEASE & PESTS:** Being tender annuals, cucumbers are susceptible to various warm weather pests and diseases. Floating row covers and crop rotation can see cucumber plants through to harvest in areas where pest and disease pressure is heavy. Cucumber beetles are potentially the biggest threat to cucumbers, as they are voracious eaters of leaves, stems, and

flowers, but also because they transmit bacterial wilt and cucumber mosaic virus from plant to plant. Other pests include pickleworms, squash beetles, squash bugs, melon aphids and thrips. Avoiding interaction with cucumber plants when conditions are wet can lessen the transmission of disease and trellising plants on netting can help aerate the plants in climates where humidity is commonly high.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **ALS-Angular Leaf Spot, AN-Anthraxnose, BW-Bacterial Wilt, CMV-Cucumber Mosaic Virus, CVYV-Cucumber Vein Yellowing Virus, CYSDV-Cucumber Yellowing Stunted Disorder, DM-Downy Mildew, PM-Powdery Mildew, PRS-Papaya Ringspot Virus, SCAB-Scab, TLS-Target Leaf Spot, WMV-Watermelon Mosaic Virus, ZYMV-Zucchini Yellow Mosaic Virus**

**SEED SPECS:** 1-1.3M (1.1M avg) seeds/oz, 12-21M (16.5M avg) seeds/lb. M=1,000. **1/16 oz approx. 65 seeds.** Direct seeding rate: 3 seeds every 12", thin to 2 plants in rows 5-6' apart. Transplants: 12" apart in rows 5-6' apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

CUCUMBERS



Minime F1



Picolino F1



Socrates F1



Kalunga F1



Manny F1



Poniente F1

## EUROPEAN SLICER

### 2429 Minime F1 50 days

HYBRID • Mini Beit Alpha cucumber • Parthenocarpic • For fresh eating • 3-4" fruit  
**Delicious, snack-sized, mini cucumbers that grow well in the field or greenhouse.** High-yielding plants are covered in small, uniform fruits that have very smooth skin and juicy, refreshing flesh. Harvest when fruit is finger sized. Great for throwing in a lunch box or taking in the car on a road trip. From our partners at Genesis Seeds.

### 2432 Picolino F1 50 days

HYBRID • HR: **SCAB, TLS** / IR: **CMV, CVYV, PM** • Parthenocarpic • 4-5" fruit  
**Mini English cucumbers with sweet flavor, thin skin and crispy texture.** We love the convenience of these prolific cukes. Best quality trellised in a greenhouse, but also suited to field production. Plants are gynoecious and parthenocarpic.

### 2421 Socrates F1 52 days

HYBRID • HR: **SCAB** / IR: **PM** • Parthenocarpic • 7" fruit  
**Midsize European cuke with thin skin; a winner in our taste tests.** Plants do not require pollination; good for seedless production, but seeds will form if insects are present. Adaptable to field or tunnels but especially suited to fall or winter where light levels are low and powdery mildew is present. Plants are gynoecious and parthenocarpic.

### 2431 Kalunga F1 55 days

HYBRID • HR: **SCAB, TLS** / IR: **PM** • Parthenocarpic • 12-13" fruit  
**Lightly ribbed, long, green fruits on vigorous, productive plants.** Strong, compact plants are early to mature, producing one fruit per node. The highest yielding European type in our trials. Tasty, non-bitter fruits have golden flesh and an extended shelf life. Ideal for unheated greenhouses but widely adapted to many different growing conditions and seasons. Plants are gynoecious and parthenocarpic. From Vitalis Organic Seeds. *Limited availability*

### 2419 Manny F1 55 days

HYBRID • IR: **CVYV, PM** • Parthenocarpic • Gourmet Beit Alpha type • 5-7" fruit  
**Thin, lightly ribbed fruits are high yielding with excellent field performance.** Crisp, consistent fruit set on hardy plants that do not require fertilization, which allows for early productivity even under climatic stress. Performs exceptionally well on trellis while also producing heavy yields in the field.

### **new** 2418 Poniente F1 56 days

HYBRID • HR: **SCAB** / IR: **CMV, CVYV, CYSDV, PM** • Parthenocarpic • 12-13" fruits  
**Long, straight fruits with lightly ribbed skin, excellent disease resistance and no bitterness.** When trellised, fruit are long and perfectly straight with desirable texture and sweetness. A great sub for Kalunga F1, plants are vigorous and productive. Adapting to many different conditions, plants are versatile and are especially suited for growing in unheated greenhouses. Plants are gynoecious and parthenocarpic. From Vitalis Organic Seeds.

### 2428 **Tyria F1** 58 days

HYBRID • HR: **SCAB, TLS** / IR: **PM** • Parthenocarpic • 14" fruit  
**Long European/Dutch type with smooth, slender fruits.** Thin skin is slightly ribbed and dark green. Crisp texture and mildly sweet flavor, never bitter. Trellis vines for straight fruit. Plants are gynoecious and parthenocarpic.



Tyria F1



Green Finger

### 2425 **Green Finger** 60 days

OP • HR: **PM, PRS, WMV, ZYMV** • Monoecious • Gourmet Beit Alpha-type • 6-8" fruit  
**Thin, tender skin, crisp flesh and a small seed cavity.** Green Finger blew away hybrids in our trials for quality and yield. Unusually durable for this type; no wrapping needed. A field or open tunnel variety bred by Cornell University; requires pollination for fruit set. A portion of the sales of this variety is paid to the breeder.

### **new** 2417 **Telegraph Improved** 65 days

OP • Thin skin • Improved old English variety • 10-13" fruit  
**Reliable yields of long, thin-skinned, crunchy fruits with a refreshing flavor.** Improved strain of a variety first developed in England in 1897, it is a favorite of many growers for its productivity and great texture. Plants are large and robust. Fruit is thin and long and has a small seed cavity. Great variety for the greenhouse or field. Should be trellised to ensure straight fruit.



Telegraph Improved

**new**

## AMERICAN SLICER

### 2436 **Green 18 F1** 55 days

HYBRID • IR: **CMV, CVYV, DM, PM** • Parthenocarpic • Spring/fall crop • 8-9" fruit  
**Highly productive field cucumber with smooth, green skin and delicious, crisp texture.** This adaptable variety has proven to be a productive and resistant cucumber for open field growing. The beautiful, green skin protects a dense, juicy flesh on the inside leading to the perfect summer bite. Highly recommended for the commercial grower and home gardener alike. Plants do not require pollination. From our friends at Genesis Seeds.



Green 18 F1



Paraiso F1

### 2426 **Paraiso F1** 55 days

HYBRID • UP • IR: **CMV, CVYV, PM** • Uniform • High yielding • Parthenocarpic • 8-10" fruit  
**Vigorous, disease-resistant slicer with great flavor.** Reliably early and abundant producer of long, slender fruit with sweet, mild flavor and great crunch. Vigorous vines with huge, dark green leaves; tolerant of cool temperatures. Comparable to Corinto F1 in productivity and vigor. Plants are gynoecious and parthenocarpic.

### 2440 **Marketmore 76** 65 days

OP • HR: **CMV, PM, SCAB** • Vigorous • Monoecious • 8-9" fruit  
**Marketmore 76 remains the most widely planted, open-pollinated slicer in the US.** Dark green fruits stay green and mild-tasting even under heat stress, while multiple disease resistances keep plants vigorous and highly productive across a long picking season. Showed good resistance to angular leaf spot and anthracnose in our trials.



Marketmore 76



Excelsior F1

**new**

### 2438 **DMR 401** 67 days

OP • HR: **DM** • Monoecious • 7" fruit  
**The leading source of resistance to the new strain of downy mildew in cucumbers.** DMR 401 offers resistance to the newest strain of cucurbit downy mildew with foliage that stands strong against the pathogen to keep producing sizable, uniform fruits. The hands-down winner for mildew resistance in both extension and farmer trials. Best used in regions with heavy DM pressure and during seasonal slots when DM is expected. Bred by Dr. Michael Mazourek of Cornell University with the support of a USDA-NIFA-OREI grant. A portion of the sales of this variety is paid to the breeder.



DMR 401



National Pickling and H-19 Little Leaf (L to R)

## PICKLING

### **new** 2439 **Excelsior F1** 50 days

OP • HR: **SCAB, TLS** / IR: **CMV, CVYV, PM** • Parthenocarpic and gynoecious • 4-5" fruit  
**Highly productive dark green pickler for the field or greenhouse.** Fruit is uniform and well-proportioned with exceptional flavor and crisp texture. Ideal consistency for pickles but also a great fresh eating cucumber. Plants are vigorous with excellent disease resistance. A reliable choice for commercial production. From our partners at Vitalis Organic Seeds.

### 2450 **National Pickling** 52 days

OP • HR: **CMV, SCAB** • Productive • Monoecious • 5" fruit  
**Short, thick cukes with blunt ends are perfect for pickles and delicious in salads.** Fruits have striped, medium green skin and a slightly tapered shape to fit in a pickle jar. A heavy producer with black spines. Developed by the National Pickle Packers Association; the cuke pickle growers asked for. *Limited availability in 2022*

### 2452 **H-19 Little Leaf** 58 days

OP • HR: **ALS, AN, SCAB** / IR: **CMV, PM** • Parthenocarpic • 3-4" fruit  
**Uniform fruits great for fresh eating or pickling.** Compact, multi-branching vines climb easily; small leaf size makes fruit easy to see. Great for field, greenhouse, or containers. Developed and released by the University of Arkansas in 1991. Plants produce fruit under stress and without pollinators, guaranteeing high yields.

CUCUMBER



Adam F1



Silver Slicer



Shintokiwa



Suyo Long



Tasty Green F1



Lemon

**2423 Adam F1** 60 days

HYBRID • HR: **CMV, PM, SCAB** / IR: **DM** • Parthenocarpic • 3-4" fruit

**Early, heavy yields of gherkin-type fruit for pickling.** Fruit possesses a full, even shape with minimal tapering at a small size. Dense, crisp flesh and characteristic bumpy skin are most pronounced when young and help maintain crispness in pickling. Plants do not require pollination—perfect for greenhouses. Also performs great in the field.

**SPECIALTY**

**2424 Silver Slicer** 54 days

OP • HR: **PM** • Monoecious • Excellent flavor • 5-6" fruit

**Prolific, creamy white cucumber with crisp texture and delicious flavor.** This thin-skinned, refined variety from the breeders at Cornell University produces stunning, white fruits with thin skin that never gets bitter. Field resistance to powdery mildew allows for marketable harvest well into the fall. Favored over many of its green-skinned competitors for its buttery texture. A portion of the sales of this variety is paid to the breeder.

**2437 Shintokiwa** 60 days

OP • HR: **BW** • Japanese burpless type • Monoecious • 9-12" fruits

**Long, thin-skinned fruit with a small seed cavity and exceptional flavor and crunch.** Plants are vigorous and produce long, slender fruit that resists bitterness as they mature. Even when harvested at a larger size, fruit is juicy with bright, crisp texture and a sweet, vibrant flavor. A superior producer of uniform, long cucumbers that can be trellised for straight fruits. Harvest when cucumbers are thin and 9" inches long or shorter for optimal sweetness. Introduced by Japanese Rudolf Steiner students and stewarded by biodynamic seed grower Harald Hoven for years. Now stewarded by Meadowlark Hearth Biodynamic Seed Initiative.

**2435 Suyo Long** 60 days

HEIRLOOM • IR: **PM** • Heat tolerant • Asian • Monoecious • 15" fruit

**Long Asian burpless cucumber with sweet flavor and crisp texture.** Great for fresh eating, pickling or cooking. Fruits are spiny when young, becoming smoother at peak maturity. Fruits tend to curl on one end; trellis vines for straighter fruit. Widely adapted.

**2433 Tasty Green F1** 60 days

HYBRID • HR: **PM** / IR: **DM** • Heavy yields • Asian • Monoecious • 9" fruit

**A slender Asian burpless variety with delicate skin and sweet flavor.** Vigorous plants produce long, slim fruits with higher yields and smoother skin than the heirloom Suyo Long. An early producer, Tasty Green F1 offers high-quality fruit with shallow ridges and crisp texture. Popular in specialty markets and for growing in home gardens. Best quality trellised, as fruits tend to curl if plants are left to grow over the ground.

**2430 Lemon** 68 days

HEIRLOOM • Great container variety • Tolerates cool weather • Monoecious • 3" fruit

**Specialty variety prized by chefs for its delicate flavor and crunchy bite.** Round fruits turn from pale greenish-yellow to lemon-yellow (the best eating stage) and then bright golden-yellow (when it most closely resembles a lemon). Easy to grow; does well in short seasons.

**CUCUMBER SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT**

	1/16 oz	1/4 oz	1 oz	1/4 lb	1 lb	5 lb	20 lb*
2425 Green Finger	\$ 3.25	\$ 7.40	\$ 18.00	\$ 47.70	\$ 153.70	\$ 128.26/lb	\$ 106.00/lb
2452 H-19 Little Leaf	\$ 3.25	\$ 5.25	\$ 12.70	\$ 31.40	\$ 103.90	\$ 90.10/lb	\$ 82.68/lb
2430 Lemon	\$ 3.25	\$ 4.10	\$ 5.85	\$ 16.95	\$ 63.00	\$ 57.00/lb	\$ 48.75/lb
2440 Marketmore 76	\$ 3.25	\$ 4.10	\$ 7.05	\$ 15.75	\$ 47.00	\$ 43.00/lb	\$ 36.25/lb
2450 National Pickling - Limited availability in 2022	\$ 3.25	\$ 5.05	\$ 6.75	\$ 21.00	\$ 65.00	\$ 59.00/lb	\$ 57.50/lb
2424 Silver Slicer	\$ 3.25	\$ 7.05	\$ 17.35	\$ 42.15	\$ 124.00	\$ 110.24/lb	\$ 91.88/lb
2435 Suyo Long	\$ 3.25	\$ 6.15	\$ 13.00	\$ 35.00	\$ 102.80	\$ 97.52/lb	\$ 91.88/lb

**CUCUMBER SEED - OPEN-POLLINATED - SOLD BY SEED COUNT**

	10	50	250	1 M	5 M	25 M
2438 DMR 401	\$ 3.25	\$ 4.25	\$ 8.50	\$ 20.15	\$ 14.42/M	\$ 11.66/M
2437 Shintokiwa	\$ 3.25	\$ 5.00	\$ 9.55	\$ 27.00	\$ 23.00/M	\$ 18.60/M
<b>new</b> 2417 Telegraph Improved	\$ 4.25	\$ 9.55	\$ 18.50	\$ 58.30	\$ 57.24/M	\$ 53.00/M

**CUCUMBER SEED - HYBRID - SOLD BY SEED COUNT**

	10	50	250	1 M	5 M	25 M
2423 Adam F1	\$ 4.25	\$ 9.55	\$ 18.50	\$ 58.30	\$ 57.24/M	\$ 53.00/M
<b>new</b> 2439 Excelsior F1	\$ 6.25	\$ 25.00	\$ 55.00	\$ 175.00	\$ 165.00/M	\$ 158.00/M
2436 Green 18 F1	\$ 4.35	\$ 10.05	\$ 32.30	\$ 95.15	\$ 85.44/M	\$ 77.80/M
2431 Kalunga F1 - Limited availability	\$ 16.20	\$ 61.50	\$ 265.00	\$ 816.20	\$ 742.00/M	\$ 689.00/M
2419 Manny F1	\$ 4.35	\$ 10.05	\$ 31.40	\$ 95.15	\$ 90.10/M	\$ 77.80/M
2429 Minime F1	\$ 4.35	\$ 10.05	\$ 32.30	\$ 95.15	\$ 85.44/M	\$ 77.80/M
2426 Paraiso F1	\$ 8.50	\$ 24.90	\$ 90.10	\$ 296.80	\$ 275.60/M	\$ 259.49/M
2432 Picolino F1	\$ 9.00	\$ 27.55	\$ 104.95	\$ 344.50	\$ 307.40/M	\$ 275.60/M
<b>new</b> 2418 Poniente F1	\$ 16.20	\$ 61.50	\$ 265.00	\$ 816.20	\$ 742.00/M	\$ 689.00/M
2421 Socrates F1	\$ 9.50	\$ 36.85	\$ 148.40	\$ 411.30	\$ 370.00/M	\$ 305.70/M
2433 Tasty Green F1	\$ 3.25	\$ 4.35	\$ 14.05	\$ 44.30	\$ 37.84/M	\$ 34.56/M
2428 Tyria F1	\$ 12.20	\$ 58.00	\$ 255.00	\$ 789.70	\$ 779.00/M	\$ 690.00/M

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.



# Eggplant

*Solanum melongena*

Monique harvests eggplants from the trials fields to collect yield data.



**CULTURAL INFO:** Days to maturity are from transplant. A warm-season annual in the Solanaceae family which includes peppers, tomatoes, tomatillos, potatoes and ground cherries. Sow seeds indoors 8-12 weeks before last frost date. Optimal soil temperature for germination is 85°F. Seeds can be sown thickly in flats then planted in cell trays or containers after true leaves appear. Plant outdoors in daytime temperatures of at least 65°F and nighttime temperatures of above 50°F. Eggplants grow best between 75-85°F in deep, well-drained sandy loam with pH 6.0-6.5. Eggplants are very sensitive to cold temperatures, even more so than their close relatives, peppers and tomatoes. Plastic mulch and floating row cover may be used to increase soil and air temperatures, as well as ward off insects. Eggplants will tolerate dry conditions, but do best with irrigation, especially during flowering and fruit set. Harvest eggplants when skin is glossy and thumbprint will not leave an impression (over-

ripe if seeds are brown.) Regular harvest increases production of fruit. Store at 50-55°F with 90% relative humidity. Will keep quality for up to one week.

**DISEASE & PESTS:** White mold (*Sclerotinia sclerotiorum*), typically found in areas of poor drainage, produces water-soaked lesions on the fruit and causes rotting of the stem. Prevention includes increasing plant spacing to promote good air flow and improving the soil's capacity to absorb water. Frequent scouting for Colorado Potato Beetles is recommended as both adults and larvae can quickly defoliate plants. Row cover can be used to avoid insect pests, including tarnished plant bug.

**SEED SPECS:** 5.5-7.5M (6.5M avg) seeds/oz. M=1000. **1/64 oz approx. 100 seeds.** Transplants: 12-18" apart in rows 18-30" apart, or in 2 rows 24" apart on plastic mulched beds. Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## ASIAN

### 2466 Little Finger 60 days

OP • Early • Productive • Great for containers • 3-6" fruit

**Slender, petite eggplants fantastic for grilling.** Dark purple skin is thin and tender. Flesh has a silky texture with few seeds and mildly sweet flavor needing very little cooking time. Harvest when fruit is young and glossy.

### 2476 Shikou F1 60 days

HYBRID • Asian type • Tender skin • 6-10" fruit

**Glossy, deep purple fruits on productive, semi-spineless plants with upright, open habit.** Ten days earlier than Ping Tung Long, fruits have bright, white interior flesh with a purple calyx—making for a striking contrast when sliced—and very few seeds inside. Plants are productive and highly ornamental, a beautiful addition to the garden. The first organic, hybrid, Asian type eggplant on the market, the semi-spineless plants are robust and prolific, producing tender-skinned fruits that do not get bitter and never need to be peeled. From our partners at Sakata Seeds. *Unavailable in 2022*

### 2467 Ping Tung Long 70 days

HEIRLOOM • Compact habit • Excellent for containers • 12-14" fruit

**Easy-to-grow Asian eggplants are long and slender with tender magenta skin.** Productive plants yield up to 20 fruits each and are vigorous and stress tolerant. Slim fruits average 1-2" wide. No peeling required.



Little Finger



Shikou F1



Ping Tung Long



Michal F1

## CLASSIC ITALIAN

### 2468 Michal F1 60-70 days

HYBRID • Parthenocarpic • Greenhouse or field • 7.5" fruit

**This vigorous hybrid produces early and often, offering firm fruits with an excellent shelf life.** Hardy, parthenocarpic plants are perfect for greenhouse production but also perform well in the field. Uniform, classically shaped fruits have good flavor and very few seeds. Dark black skin and firm flesh—great for eggplant parmesan. Bred by our partners at Genesis Seeds.

### 2471 Diamond 70 days

OP • Good short season variety • Highly productive • 6-8" fruit

**A standout as a very prolific early producer; yields as well as hybrids in our trials.** Slender, attractive, dark purple fruit hang in clusters for easy picking. Fruit has mild flavor with no bitterness and a fine, creamy texture. Great choice for eggplants in a short season or for those looking for a high-quality open-pollinated variety for commercial production.

### 2470 Black Beauty 80 days

HEIRLOOM • Productive • Classic shape • 5-6" fruit

**Classic Italian eggplant with high yields.** Blocky, nearly black bell-shaped fruits have a slight signature ribbing. Medium to thick skin is deep purple and glossy when mature. Compact plants benefit from staking to support heavy yields of large fruit.



Diamond



Black Beauty

EGGPLANT



Traviata F1



Piccolo F1



Rosa Bianca



Annina F1



Listada di Gandia

**2473 Traviata F1** 80 days

HYBRID • Greenhouse or field production • Uniform • 7" fruit  
**Italian eggplant with high yields of extremely uniform fruits.** Dark purple skin has a healthy shine when ripe and no spines. Fruit is abundant, setting regularly throughout the season. Plants are upright, sturdy, and very uniform. Bred by Vitalis Organic Seeds.

**SPECIALTY**

**2465 Piccolo F1** 60-70 days

HYBRID • Parthenocarpic • Greenhouse or field • 3-4" fruit  
**Adorable miniature fruits are beautifully variegated with bright purple skin and delicate white stripes.** Vigorous, parthenocarpic plants produce impressive yields over a long season. Slightly oval-shaped fruits are easy to slice and grill and are the perfect size for stuffing. Excellent shelf-life and a unique addition to market displays. From Genesis Seeds.

**2475 Rosa Bianca** 73 days

HEIRLOOM • Gourmet appeal • 4-6" fruit  
**A lovely Sicilian variety with light pink fruit streaked with white and violet.** Plump, rounded fruits have mild, creamy taste adored by chefs; no bitterness and few seeds. Does best in areas with warm nights like states located in the southeast and southwest and can have lower yields in extreme northern regions like northern Vermont or Quebec.

**2477 Annina F1** 75-80 days

HYBRID • Spineless • Greenhouse or field • 5-7" fruit  
**Prolific yields of lovely striped fruit on upright, spineless plants.** Performs just as you would expect a hybrid to, but with the aesthetic and flavor of the most cherished heirloom. Glossy, teardrop shaped fruits are uniform and gorgeous with bright green calyxes. An excellent producer both in the field and in the greenhouse, offering great versatility in production.

**2474 Listada di Gandia** 85 days

OP • Gourmet appeal • 3-5" fruit  
**Stunning magenta-striped Italian eggplant for a beautiful display.** Very productive plants produce abundant tender, delicious fruits with unusually thin skin. Egg-shaped petite fruits fit in the palm of your hand and are great for smaller portions. Holds its color even at large sizes.

**EGGPLANT SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT**

	1/64 oz	1/16 oz	1/4 oz	1 oz	4 oz
2470 Black Beauty	\$ 3.25	\$ 5.15	\$ 9.35	\$ 22.00	\$ 63.00
2471 Diamond	\$ 3.25	\$ 8.00	\$ 16.95	\$ 53.00	\$ 170.00
2474 Listada di Gandia	\$ 3.25	\$ 7.20	\$ 15.90	\$ 37.10	\$ 132.50
2466 Little Finger	\$ 4.10	\$ 13.50	\$ 28.35	\$ 74.20	\$ 238.50
2467 Ping Tung Long	\$ 3.25	\$ 10.85	\$ 25.45	\$ 59.35	\$ 190.80
2475 Rosa Bianca	\$ 3.25	\$ 8.60	\$ 15.00	\$ 42.00	\$ 135.00

**EGGPLANT SEED - HYBRID - SOLD BY SEED COUNT**

	10	50	100	250	1 M
2477 Annina F1	\$ 7.95	\$ 19.10	\$ 28.00	\$ 58.30	\$ 185.50
2468 Michal F1	\$ 6.45	\$ 13.35	\$ 19.80	\$ 37.10	\$ 125.00
2465 Piccolo F1	\$ 6.45	\$ 13.35	\$ 20.70	\$ 30.75	\$ 100.70
2476 Shikou F1 - Unavailable in 2022	\$ 3.70	\$ 9.25	\$ 13.00	\$ 20.85	\$ 85.00
2473 Traviata F1	\$ 6.65	\$ 14.85	\$ 23.30	\$ 34.80	\$ 106.00

Larger volumes available; please call for pricing.



# Shintokiwa Cucumber

**There are few cucumbers that can compete with the incredible flavor of Shintokiwa.** These powerhouse plants produce delicious, thin-skinned fruit that can be harvested at a larger size while still maintaining their juicy, crisp texture and exceptional sweetness. This open-pollinated variety produces heavily like a hybrid and fruit resists bitterness with age.

- Attractive, long and uniform
- Thin-skinned with a small seed cavity
- Optimal texture harvested at 9 inches



# Fennel

*Foeniculum vulgare*

Product Development members Maggie, Jenn, Darby, Joanna, Paul, Taylor and Andrea in the fennel trials in early summer.

**CULTURAL INFO:** Days to maturity are from transplants. Fennel is a hardy annual. Cool weather, fertilization and irrigation produce the largest and sweetest bulbs. Direct seed fennel mid-spring through late summer or start transplants 4-5 weeks before planting date. Plant outdoors after danger of hard frost has passed. Bolting can result from disturbing the roots. Remove all seed stalks to preserve quality. Harvest bulbs at 3-4" in diameter. Greens will hold quality for a week and bulbs will store for many months; remove stalks and wrap bulbs separately in plastic. Store in cooler as close to freezing as possible.

**DISEASE & PESTS:** Fungal leaf blights caused by *Alternaria dauci* or *Cercospora carotae* can cause severe defoliation and greatly reduce yields. Generally, *Cercospora* blight appears earlier

in the season than *Alternaria* blight. Both these fungi can be seed-borne but can also be spread by crop residue from previous years. White mold (*Sclerotinia sclerotiorum*) manifests as a cottony, white mycelium around roots and lower plant parts, usually late in the season. Avoid planting in areas that are shady or have poor drainage, and practice crop rotations with non-vegetable crops.

**SEED SPECS:** 5.3-7.5M (6.4M avg) seeds/oz, 85-120M (102M avg) seeds/lb. M=1,000. **1/32 oz approx. 200 seeds.** Direct seeding rate: 6 seeds/foot, thin to 6" apart in rows 12-24" apart. Transplants: 6" apart in rows 12-24" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## 2478 **Preludio F1** 45 days baby, 75 days full size

HYBRID • Bolt resistant • 4" bulbs

**Very early, heavy bulbs with superb flavor—a major improvement in hybrid fennel.**

This variety stood out in our trials with its lightly sweet flavor, uniformity and ability to hold in the field without bolting. Upright plants are easy to harvest. Early variety recommended for spring and summer harvest with good fall performance as well. From Vitalis Organic Seeds.

## 2479 **Solaris F1** 45 days baby, 75 days full size

HYBRID • Uniform baby bulbs • 3-4" bulbs

**Our earliest fennel with excellent bulbing.** Stout, heavy bulbs grow to an impressive size crowned by feathery foliage. Juicy texture without woodiness or dryness; pleasant anise flavor. A standout variety for all seasonal slots and an excellent choice for baby fennel. Our growers in the Pacific Northwest say Solaris F1 holds better than other varieties for later season sales. Originally from our partners at Bejo Seeds.

## 2484 **Finale** 50 days baby, 80 days full size

OP • Bolt resistant • 4" bulbs

**Vigorous plants were a hit in our trials, producing huge juicy bulbs.** Very large, uniform bulbs with slightly flattened shape. Finale stores well, keeping good quality and maintaining a crisp, juicy texture and pleasant flavor. Excellent bolt resistance.

## 2481 **Orion F1** 52 days baby, 82 days full size

HYBRID • Bolt resistant • 3-4" bulbs

**Large, uniform, rounded bulbs with high yield potential.** Heavy bulbs that hold well in the field with good tolerance to tip burn and bolting. An extremely reliable producer across a variety of conditions with strong late season vigor for baby bulbs in the fall.



**Preludio F1**



**Solaris F1**



**Finale**



**Orion F1**

Looking for  
**GARLIC?**

Read our blog post about why we won't be offering it in 2022 and what we hope to accomplish with this strategic break.

[highmowingseeds.com/blog/garlic-unavailable-in-2022](http://highmowingseeds.com/blog/garlic-unavailable-in-2022)

### FENNEL SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT

	1/32 oz	1/8 oz	1 oz	1/2 lb	1 lb
2484 Finale	\$ 3.25	\$ 10.30	\$ 36.20	\$ 174.90	\$ 302.10

### FENNEL SEED - HYBRID - SOLD BY SEED COUNT

	25	500	1 M	5 M	25 M
2481 Orion F1	\$ 3.25	\$ 19.00	\$ 29.00	\$ 27.00/M	\$ 23.80/M
2478 Preludio F1	\$ 3.25	\$ 12.00	\$ 21.00	\$ 18.80/M	\$ 16.20/M
2479 Solaris F1	\$ 3.25	\$ 21.20	\$ 33.90	\$ 30.74/M	\$ 26.50/M

Larger volumes available; please call for pricing.

Your Source for 100% Certified Organic, Non-GMO Project Verified Seeds

# Greens, Asian & Mustard

*Brassica spp.*

*Trials team members Amanda and Monique joyfully holding armfuls of Bopak FI Pak Choi.*



**CULTURAL INFO:** Days to maturity are from direct seeding. Asian and mustard greens are cold-hardy annuals that can be sown from early spring to late summer. Commonly grown as baby leaf for salad mixes in the U.S. and traditionally as full size leaves for ethnic cuisine, stir-fries or pickling. Direct seed as soon as soil can be worked. Sow every 1-3 weeks for a continuous harvest. For baby leaf, harvest when leaves are ~5" tall by cutting 1" from ground

or pick individual leaves for cut-and-come-again. Harvest full size leaves as desired. Flea beetle feeding can be prevented by using floating row cover immediately after planting.

**SEED SPECS:** Please see individual variety descriptions for seed specs.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

GREENS



## ASIAN GREENS - *B. rapa*

**2489 Komatsuna** 21 days baby, 40 full size

OP • Exceptional heat and cold tolerance • All season production  
**Incredibly adaptable green with rich, earthy flavor for all season production.** Plants can be harvested at any stage and will mature with edible flowers. Leaves are tender and delicious, reminiscent of a cross between mustards and spinach. Drought tolerant and extremely hardy, can be grown in every season due to its resilience in heat and cold. A favorite of growers in the south for its versatility in the kitchen and reliability in the field, even in the heat of summer. 12.5M seeds/oz.

**2490 Mizuna** 21 days baby, 40 full size

OP • Cut-and-come-again • Versatile • Slow to bolt  
**Bright green, deeply serrated leaves with mildly spicy flavor; an essential in salad mixes.** A mild Japanese green with slender white stems and bright green leaves. Mild in flavor, this variety is good for stir-fries, salads, sandwiches and soups. Harvest outer leaves or the whole plant at any stage. 13M seeds/oz.

**2491 Purple Mizuna** 21 days baby, 40 full size

OP • Cut-and-come-again • Slow to bolt • Mild with color  
**Attractive purple-veined leaves are sharply serrated with mild flavor.** Color is most pronounced in late summer harvests, but adds a distinctive look to salad mixes even at baby sizes. Leaves are more deeply serrated than Mizuna. Mild mustard flavor. 13M seeds/oz. *Unavailable in 2022*

**2501 Tokyo Bekana** 21 days baby, 40 full size

OP • Cut-and-come-again • Excellent for salad mix • Mild flavor  
**Lime green leaves have gently ruffled edges and a white midrib.** A lettuce-mustard green resembling Black Seeded Simpson; an excellent baby green for adding loft and weight to mixes. Planted at 4-6" spacing, this variety will grow into an attractive bunching green with solid white midribs and an exceptionally tender leaf texture. 10M seeds/oz.

**2514 Shanghai Green Pak Choi** 21 days baby, 45 full size

OP • Uniform shape • 5-6" tall  
**The best open-pollinated baby pak choi out there.** Dark green, large spoon-shaped leaves with wide, light green midribs and mild flavor. Shanghai Green forms densely packed, vase-like heads. Plants can be spaced closely for baby choi, which is in demand with chefs for its tenderness and mild flavor. Originally native to China, the seed for this variety came to us through Kitazawa Seed Company. 8M seeds/oz.

**2510 Tat Soi** 21 days baby, 45 full size

OP • Versatile • Heat tolerant  
**Fast growing, spoon-shaped leaves are dark green and glossy with narrow white stems.** Most popular as a baby leaf for salad and braising mixes or bunched at full size. Mild flavor and tender texture. At full size, leaves form a rosette that sits close to the ground. 20M seeds/oz.

**2493 Yukina Savoy** 21 days baby, 45 full size

OP • Heat tolerant • Mild flavor  
**Heat-tolerant alternative to Tat Soi.** Forest green, spoon-shaped leaves with very mild flavor are cupped and heavily savoyed. Upright architecture for easy harvesting. Slow to bolt. 21.5M seeds/oz.



**2487 Vivid Choi Pak Choi** 21 days baby, 45 full size

OP • OSSI • Slow to bolt • Striking colors • Cold tolerant

**Brilliantly colorful greens with beautiful flavor, crisp stems, and tender leaves.**

Serrated, dark green leaves strikingly contrast gorgeous stems that range from pale pink, vivid pink and deep purple. Mild and pleasant flavor, perfect raw in salads, braised or stir-fried. Plants are cold hardy and also slow to bolt in heat. Developed by independent farmer/breeder Frank Morton of Wild Garden Seeds. A portion of the sales of this variety is paid to the breeder. 20M seeds/oz. Limited availability in 2022



Vivid Choi Pak Choi



Prize Choy

**2513 Prize Choy** 21 days baby, 50 full size

OP • Vigorous • Slow to bolt • 15" tall

**Elegant vase-like shape, medium thick white stems and smooth, mild flavor.** The best open-pollinated, full-sized pak choi we have seen in our trials. Prefers cool weather, but is slow to bolt in heat. We have hand-selected our strain for uniformity, vigor and bolt resistance. For early spring or fall planting. 14M seeds/oz.



White Stemmed Pak Choi



Hon Tsai Tai Flowering Broccoli

**2515 White Stemmed Pak Choi** 21 days baby, 50 full size

OP • Excellent for baby leaf • Open habit

**Gorgeous thick white stems and glossy green leaves.** More open habit than Prize Choy and more commonly used as a baby leaf variety in salad and braising green mixes. A standard for mild brassica flavor and thick, succulent leaves. 9M seeds/oz.

**2495 Hon Tsai Tai Flowering Broccoli** 37 days

OP • Great late summer and fall crop • Multiple harvests • Edible flowers

**Exquisite, green leaves with delicate, sweet flowers on purple stems.** Leaves have a mild spice and are very tender. Young plants send up succulent, purple stems with beautiful, edible flowers. Best when harvested young as maturing shoots and leaves can become tough and fibrous. A popular Kailaan type, Hon Tsai Tai is a well-known Chinese green with a great following among chefs and market shoppers.



Bopak F1 Pak Choi



Red Lace

**2488 Bopak F1 Pak Choi** 42 days small head, 60 full size

HYBRID • AAS Winner • Excellent storage • Compact habit • 15-18" tall

**Compact plants hosting densely growing, brilliant green leaves on striking white stems.** The first organic hybrid pak choi on the market and an AAS winner; plants are exceptional in form, flavor and performance, and extremely slow to bolt. Though the plants are compact in habit, they are weighty. Leaves are smooth and uniform and plants can be harvested as small heads for a quick growing green. A showstopper in our trials fields, this beautiful pak choi can grow to massive size when left in the field. From our partners at Bejo Seeds.

**MUSTARD GREENS - *B. juncea***

**1750 Red Lace** 20 days baby

OP • Essential salad leaf • Spicy flavor

**Attractive and aromatic, reddish-purple frills with superior texture and flavor.**

Elegant leaves are delicate and tender to eat but sturdy enough to withstand harvest and processing. A reliable baby leaf that can be grown on its own or mixed into a greens blend. Leaves introduce loft to salads and elaborate leaf structure sheds water; preventing leaves sticking together post-harvest. From our friends at CN Seeds. A portion of the sales of this variety is paid to the breeder. 20M seeds/oz.

**2506 Ruby Streaks** 20 days baby, 45 full size

OP • Essential salad leaf • Spicy flavor

**Deeply lobed, lacy baby leaves with deep purple highlights.** Green leaves with purple veining add loft, spice and rosy elegance to any salad plate or stir-fry. Color is darkest when sown summer through fall. Mix with Golden Frill for a gorgeous display. 20M seeds/oz.

**2486 Garnet Giant** 21 days baby

OP • Essential salad leaf • Spicy mustard flavor

**Stunning, vibrant maroon leaves with bright lime green stems.** A must-have for any baby mustard mix. Color fades under row cover (or any low-light condition), but returns within a few days of plants being uncovered. Flowers are tender and sweet in stir-fries. An ancient variety first cultivated for seed in northwest Asia and brought to us by Kitazawa Seed Company in California. 16M seeds/oz.

**2498 Golden Frill** 21 days baby, 45 full size

OP • Essential salad leaf • Very slow to bolt • Spicy flavor

**Lacy-looking leaves are vibrant light green, finely cut and frilly.** Neon green, deeply cut and serrated leaves add loft, contrast and spicy mustard flavor to signature salad mixes. Bunch at full size for braising greens or use as garnish. Very slow to bolt. 17M seeds/oz.

**2485 Green Wave** 21 days baby, 45 full size

OP • High yielding • Extremely slow to bolt • Medium spicy flavor

**Bright lime green, ruffled leaves add great contrast to salad mixes.** A reliable work-horse mustard with beautiful color and spicy flavor that mellows when cooked. At baby stage, leaves are flat with softly serrated edges. At full size, leaves become heavily serrated and frilly. 13.5M seeds/oz.



Ruby Streaks



Garnet Giant



Golden Frill



Green Wave

GREENS



**Red Carpet**



**Red Giant**



**Wasabina**

**2504 Red Carpet** 21 days baby, 45 full size  
 OP • Essential salad leaf • Deep red color • Mild spicy flavor  
**Green stems and red leaves, a refreshing, mildly spiced mustard green with beautiful, plume-edged foliage.** Excellent variety for microgreen, baby leaf and mature leaf production, as the red coloring is exhibited prominently on both sides of the leaf at all stages of growth. The mild flavor allows it to be included in salads and in other raw preparations, imparting a sweetness and moderate spice. From our partners at CN Seeds. A portion of the sales of this variety is paid to the breeder. 20M seeds/oz.

**2505 Red Giant** 23 days baby, 45 full size  
 OP • Essential salad leaf • Spicy flavor  
**Baby greens have bright emerald leaves with stunning, deep purple veins.** Full size plants are incredibly beautiful with a full whorl of burgundy leaves. Mild when baby; spicy flavor increases with maturity. Use full size leaves for stir-fries, soups and pickling. 18M seeds/oz.

**2503 Wasabina** 23 days baby, 45 full size  
 OP • Spicy wasabi flavor • Slow to bolt • Cold tolerant • Essential salad leaf  
**Beautiful, light green frills with sweet and spicy wasabi flavor.** At both baby leaf and full size, the leaves have enjoyable texture and remain tender, complementing their dynamic and unique flavor. Extremely cold tolerant, the plants are also slow to bolt and the serrated leaves remain upright and beautifully green throughout the growing season. 18.5M seeds/oz.

**GREENS - ASIAN & MUSTARD - OP - SOLD BY SEED WEIGHT**

	1/32 oz	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb	20 lb*
2486 Garnet Giant Mustard Greens	\$ 3.25	\$ 4.35	\$ 7.40	\$ 15.60	\$ 40.30	\$ 65.70	\$ 59.36/lb	
2498 Golden Frill Mustard Greens	\$ 3.25	\$ 5.05	\$ 6.35	\$ 19.10	\$ 48.75	\$ 80.55	\$ 74.20/lb	
2485 Green Wave Mustard Greens	\$ 3.25	\$ 3.95	\$ 5.55	\$ 12.00	\$ 34.00	\$ 55.00	\$ 47.00/lb	
2495 Hon Tsai Tai Flowering Broccoli	\$ 3.25	\$ 5.30	\$ 8.50	\$ 15.90	\$ 44.50	\$ 76.30	\$ 72.08/lb	\$ 68.90/lb
2489 Komatsuna Asian Greens	\$ 3.25	\$ 4.55	\$ 7.55	\$ 13.60	\$ 42.65	\$ 78.45	\$ 69.96/lb	
2490 Mizuna Asian Greens	\$ 3.25	\$ 3.95	\$ 4.50	\$ 9.55	\$ 23.05	\$ 40.30	\$ 37.10/lb	\$ 33.29/lb
2513 Prize Choy Pak Choi	\$ 3.25	\$ 3.70	\$ 5.85	\$ 21.20	\$ 47.70	\$ 84.80	\$ 74.20/lb	
2491 Purple Mizuna Asian Greens - <i>Unavailable in 2022</i>	\$ 3.25	\$ 5.30	\$ 6.70	\$ 21.20	\$ 50.90	\$ 79.50	\$ 68.90/lb	
2504 Red Carpet Mustard Greens	\$ 3.25	\$ 3.45	\$ 4.25	\$ 7.40	\$ 15.90	\$ 26.50	\$ 22.26/lb	\$ 18.02/lb
2505 Red Giant Mustard Greens	\$ 3.25	\$ 3.70	\$ 5.85	\$ 15.90	\$ 47.70	\$ 79.50	\$ 64.66/lb	
1750 Red Lace Mustard Greens	\$ 3.25	\$ 3.70	\$ 4.95	\$ 7.40	\$ 14.85	\$ 23.30	\$ 19.08/lb	
2506 Ruby Streaks Mustard Greens	\$ 3.25	\$ 3.95	\$ 5.50	\$ 17.00	\$ 46.00	\$ 67.85	\$ 61.00/lb	
2514 Shanghai Green Pak Choi	\$ 3.25	\$ 4.75	\$ 7.70	\$ 17.95	\$ 50.90	\$ 86.90	\$ 76.32/lb	
2510 Tat Soi Asian Greens	\$ 3.25	\$ 3.95	\$ 5.30	\$ 11.25	\$ 26.50	\$ 38.95	\$ 35.62/lb	
2501 Tokyo Bekana Asian Greens	\$ 3.25	\$ 3.95	\$ 5.30	\$ 12.70	\$ 37.10	\$ 58.30	\$ 34.98/lb	
2502 Vitamin Green Asian Greens	\$ 3.25	\$ 7.40	\$ 10.60	\$ 26.50	\$ 79.50	\$ 116.60	\$ 95.40/lb	
2487 Vivid Choi Pak Choi - <i>Limited availability in 2022</i>	\$ 3.25	\$ 5.60	\$ 8.50	\$ 22.55	\$ 54.35	\$ 97.50	\$ 92.75/lb	
2503 Wasabina Mustard Greens	\$ 3.25	\$ 4.45	\$ 8.00	\$ 13.00	\$ 41.00	\$ 65.00	\$ 57.00/lb	\$ 54.25/lb
2515 White Stemmed Pak Choi	\$ 3.25	\$ 4.15	\$ 5.25	\$ 12.00	\$ 21.00	\$ 36.00	\$ 33.00/lb	
2493 Yukina Savoy Asian Greens	\$ 3.25	\$ 5.05	\$ 6.35	\$ 19.10	\$ 48.75	\$ 80.55	\$ 74.20/lb	

**GREENS - ASIAN & MUSTARD - HYBRID - SOLD BY SEED COUNT**

	25	500	1 M	5 M	25 M	100 M
2488 Bopak F1 Pak Choi	\$ 3.25	\$ 9.55	\$ 9.50	\$ 6.40/M	\$ 5.00/M	\$ 4.35/M

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.

Get 10% more with  
**COMMUNITY SUPPORTED SEEDS** Your participation helps to support an independently owned, organic seed company and takes your seed budget even further.

**HOW IT WORKS:**

**Purchase** Community Supported Seeds (CSS) credits online at [highmowingseeds.com/save](https://highmowingseeds.com/save) or call (866) 735-4454 by December 21<sup>st</sup>, 2021 (minimum CSS credit order of \$200)

**Earn** an extra 10% with your credit (for example, purchase a \$200 share and pay only \$180)

**Redeem** your credit for seeds anytime after January 15<sup>th</sup>, 2022

# Greens, Specialty

Magdalena shows off a vibrant harvest of radicchio at Rodgers Greens and Roots Farm in Douglasville, Georgia.

**CULTURAL INFO:** Days to maturity are from direct seeding. Specialty greens are a broad category of leafy plants, many of which are cold hardy and fast growing. Crops in this group are gaining popularity due to their ease of culture and unique flavors and colors.

**RESISTANCE KEY:** IR-Intermediate Resistance, **DM-Downy Mildew**

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## AMARANTH - *Amaranthus cruentus*

1760 **Garnet Red Amaranth** 50 days salad size

OP • Easy to grow • Edible and ornamental

**Beautiful fuchsia-colored greens with delicious, earthy flavor and light texture.** This dynamic green is perfect for microgreens, salad greens, and as a cut flower. As an edible green, the leaves are tender and striking with colors unlike most other specialty greens. The flavor is mild and perfect for pairing with other fresh and cooking greens or combined in a sauté. This versatile plant is sure to become a favorite for its outstanding taste and style. 37M seeds/oz. See flower photo on p. 108. See microgreen photo on p. 43.



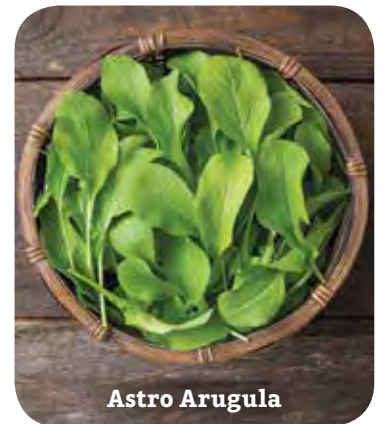
Garnet Red Amaranth

## ARUGULA, SALAD - *Eruca sativa*

2010 **Astro** 21 days baby, 40 full size

OP • Heat and cold tolerant

**The commercial standard with long, green leaves and characteristic mildly spicy flavor.** Germinates quickly and tolerates cold and hot temperatures well. Our strain has a mix of "cut" and "strap" leaf shapes when grown as baby leaf. Performs well as a cut-and-come-again crop. 13M seeds/oz.

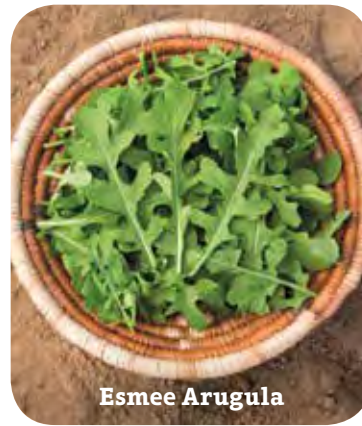


Astro Arugula

2013 **Esmee** 21 days baby, 40 full size

OP • Cold tolerant • Upright habit

**Beautiful, fine leaves are incised with rounded, oak-leaf shape.** A wonderful flavor that is more nutty than spicy sets Esmee apart from other arugulas. Deeply lobed leaves are upright, lofty and the darkest green of all our arugulas. Good for either bunching or bagging. Quick growing and very cold tolerant. From our partners at De Bolster Organic Seeds. 18M seeds/oz.



Esmee Arugula

2005 **Uber** 21 days baby, 45 full size

OP • Serrated leaves • Erect plant habit for easy harvesting

**Dark green serrated leaves with upright growth habit that contributes to easy harvesting.** A good replacement for Surrey, this variety offers a similar leaf shape with improved flavor. Upright growth habit can be cut mechanically. Leaves are smaller, more uniform and refined than Esmee. Early like Surrey, these beautiful leaves look elegant on a plate. From our partners at CN Seeds. A portion of the sales of this variety is paid to the breeder. 12M seeds/oz.



Uber Arugula

## ARUGULA, WILD - *Diplotaxis tenuifolia*

1947 **Bellezia** 28 days baby, 50 full size

OP • UP • IR: **DM** • Striking dark green leaves

**Elegant leaves with a striking, dark green color and favorable uniformity.** This beautiful arugula is tender with a lovely spice. The highly serrated leaves give this variety its elevated charm and the outstanding uniformity makes for excellent selling quality. Plants have a strong field tolerance to downy mildew and excellent storage life. From our friends at Vitalis Organic Seeds. 92M seeds/oz.



Bellezia Arugula

2011 **Sylvetta Wild** 50 days

OP • Great winter crop • Heat and cold tolerant

**Also known as roquette, this wild arugula relative has a fiery pungency.** More heat tolerant and much more cold tolerant than standard arugula, but grows much more slowly and attains only half the height. Its distinct look is considered an essential component of gourmet winter greens mixes. 108M seeds/oz.



Sylvetta Wild Arugula

GREENS



**Early Wonder Tall Top  
Beet Greens**



**Bull's Blood Beet Greens**



**Frissé**



**Benefine Frisée**



**Eliance Escarole**



**Curlesi Endive**



**Virtus F1 Radicchio**



**Fiero F1 Radicchio**



**Leonardo F1 Radicchio**



**Claytonia**

## BEET GREENS - *Beta vulgaris*

**2290 Early Wonder Tall Top** 35 days baby leaf, 45 full size leaf  
OP • Early greens • Excellent baby beet  
**A sure crop for early spring greens and roots.** Quick-growing, arching tops are perfect for early beet greens, while roots size up quickly for bunched baby beets. Also a great full size beet with vibrant tops. Similar quality to Detroit Dark Red for early season crops. See full size photo on p. 9.

**2260 Bull's Blood** 35 days baby leaf, 50 full size leaf  
HEIRLOOM • Deep purple leaf for salad mix • Baby beet  
**Striking, dark red-purple leaves provide incredible contrast in salad mixes.** Eliot Coleman's choice for a red leaf in winter greens mixes. Roots are also tasty and tender when harvested early as baby beets. Tolerant of heat and cold. Color intensifies as plants mature. See full size photo on p. 9.

## CHICORY - *Chicorium spp.*

**1970 Frissé Endive** 35 days baby, 60 full size  
OP • Baby or full sized leaves  
**Frilly endive with finely cut leaves and blanched interior sprigs.** A signature salad mix ingredient. Similar to Très Fine Maraîchère but a bit less frilly. Grow as a baby leaf or leaf lettuce; plant at high density or cover centers for well blanched, tender sprigs. 18M seeds/oz. *Cichorium endivia*

**2006P Benefine Frisée** 48 days full size  
OP • Très Fine Maraîchère Frisée-type • Spring/summer production • Slow to bolt  
**Exquisite heads of deeply cut leaves with self-blanching, creamy hearts.** A beautiful frisée-type chicory with excellent resistance to tip burn and good bolt tolerance. Plants grow in gorgeous, thin heads that are highly uniform and self-blanching in the heart to reveal tender, sweet leaves that are perfect for salads and other raw preparations. From our partners at Vitalis Organic Seeds. Available as pelleted seed. *Cichorium endivia*

**2008P Eliance Escarole** 50 days full size  
OP • Field and greenhouse • Bolt resistant • All season production  
**Smooth-leaved endive with upright growth habit for field or greenhouse production.** Heads are smooth, uniform and elegant with long, narrow and flexible internal leaves. Grown in greenhouses for its early maturity, plants are self-blanching with resilient bases. Excellent flavor and tenderness for gourmet salads. From our partners at Vitalis Organic Seeds. Available as pelleted seed. *Cichorium endivia*

**2007P Curlesi Endive** 52 days full size  
OP • Compact growth habit • Heat tolerant • Self blanching  
**Compact, ruffled heads with an upright growth habit and excellent self-blanching at maturity.** Adaptable endive variety that has strong tip burn resistance and is slow to bolt in hot weather. Heads are beautiful with an upright growth habit, reducing exposure to bottom rot and increasing the coverage of internal leaves, leading to dense, self-blanched hearts. Plants are compact, perfect for tight spacings. From our partners at Vitalis Organic Seeds. Available as pelleted seed. *Cichorium endivia*

**1987 Virtus F1 Radicchio** 60 days full size  
HYBRID • Sugar loaf-type • Great for all seasonal slots • Dense 8-10" heads  
**Lovely, dense, elongated heads that come to a slender point with a graceful flourish of curled leaves.** Pale green with crisp, yellow-white interior and a sweet, mildly bitter flavor delicious in salad mix. Harvest when heads are dense and firm to the touch. Good uniformity. *Cichorium intybus*

**1986 Fiero F1 Radicchio** 85 days full size  
HYBRID • Treviso-type • Upright 6-7" heads  
**Gorgeous plants with emerald green outer leaves and burgundy interiors.** Burgundy inner leaves have bright white ribbing and juicy crunch for beautiful color and texture contrast in salad mixes. Plants produce upright, dense, elongated heads with mildly bitter flavor. A lovely variety that will store for several months. *Cichorium intybus*

**1992 Leonardo F1 Radicchio** 85 days full size  
HYBRID • Chioggia-type • Round 4-5" heads  
**Large, perfectly round heads are intensely purple with bright white midribs.** Extremely vigorous variety that strongly resists bolting and shows some resistance to tip burn. Heads average one pound each at maturity. Plant for fall and winter crops when color and flavor is best. From our partners at Bejo Seeds. *Cichorium intybus*

## CLAYTONIA - *Claytonia perfoliata*

**1946 Claytonia** 40 days  
OP • Frost tolerant • Crunchy, juicy texture  
**Beautiful, tasty and very cold-hardy salad green with succulent texture and fresh flavor.** Unique round to heart-shaped leaves with tender stems and tiny, white edible flowers. Ideal for winter hoophouses; will survive frost and multiple cuttings. 47M seeds/oz.



## MÂCHE - *Valerianella locusta*

1988 **Vit** 50 days

OP • Spring/fall crop • Upright habit

**Vigorous winter salad leaf with delicious, nutty flavor and succulent, crisp texture.** Very cold-hardy, versatile green forming attractive rosettes of glossy leaves. Excellent hoophouse crop tolerating cool, moist conditions and downy mildew. From our partners at the Swiss biodynamic seed company Sativa. 15M seeds/oz.

## RADISH GREENS - *Raphanus sativus*

2496 **Hong Vit** 25 days baby, 35 full size

OP • Versatile • Upright habit

**Early color in a fast-growing leaf radish with smooth pink and red stems.** Virtually hairless, lobed green leaves with a light red midrib and mild radish flavor. Ideal for microgreens or as a baby leaf in salads. Also for bunched greens with roots on. 2.6M seeds/oz. *Limited availability*

## UPLAND CRESS - *Barbarea verna*

1980 **Belle Isle** 50 days

OP • Early spring/late fall crop • Upright habit

**Very dark green, deeply lobed, glossy leaves are exceptionally nutritious.** Named for an island on which shipwrecked 17th-century Portuguese sailors survived the winter thanks to this little plant. Rich in Vitamin C, calcium, iron and especially Vitamin A. Best quality in cooler weather. From our friends at Wild Garden Seeds in Oregon. 11M seeds/oz.



Vit Mâche



Hong Vit Radish Greens



Belle Isle Cress

### GREENS - SPECIALTY - OP - SOLD BY SEED WEIGHT

	1/32 oz	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb	20 lb*
2010 Astro Arugula	\$ 3.25		\$ 4.50	\$ 9.50	\$ 19.00	\$ 31.00	\$ 25.00/lb	\$ 22.50/lb
1980 Belle Isle Cress	\$ 3.25	\$ 4.25	\$ 8.50	\$ 21.20	\$ 58.30	\$ 90.10		
1947 Bellezia Arugula	\$ 3.25	\$ 5.55	\$ 13.80	\$ 35.00	\$ 116.60	\$ 206.70	\$ 170.66/lb	\$ 132.08/lb
2260 Bull's Blood Beet Greens	See beet section on p.10 for sizes and prices							
1946 Claytonia	\$ 3.25	\$ 9.55	\$ 26.00	\$ 93.00	\$ 275.00	\$ 485.00	\$ 451.00/lb	\$ 392.50/lb
2290 Early Wonder Tall Top Beet Greens	See beet section on p.10 for sizes and prices							
2013 Esmee Arugula	\$ 3.25	\$ 3.55	\$ 5.40	\$ 11.65	\$ 23.30	\$ 36.05	\$ 27.14/lb	\$ 18.02/lb
1970 Frissé Endive	\$ 3.25	\$ 4.45	\$ 6.35	\$ 13.35	\$ 42.30	\$ 80.15		
1760 Garnet Red Amaranth		\$ 3.25	\$ 8.50	\$ 19.10	\$ 37.10	\$ 58.30	\$ 47.70/lb	\$ 36.68/lb
2496 Hong Vit Radish Greens - <i>Limited availability</i>	\$ 3.25	\$ 4.15	\$ 5.05	\$ 11.00	\$ 28.60	\$ 38.15	\$ 30.74/lb	
2011 Sylvetta Wild Arugula	\$ 3.25	\$ 5.30	\$ 9.55	\$ 26.50	\$ 86.90	\$ 125.10	\$ 111.30/lb	
2005 Uber Arugula	\$ 3.25	\$ 3.70	\$ 4.75	\$ 12.70	\$ 26.50	\$ 44.50	\$ 32.86/lb	\$ 28.20/lb
1988 Vit Mâche	\$ 3.25	\$ 5.20	\$ 9.00	\$ 23.30	\$ 62.55	\$ 106.00	\$ 97.52/lb	

### GREENS - SPECIALTY - OP - SOLD BY SEED COUNT

	100	500	1 M	5 M	25 M
2006P Benefine Endive - Pelleted	\$ 3.25	\$ 6.95	\$ 9.85	\$ 8.65/M	\$ 7.80/M
2007P Curles Endive - Pelleted	\$ 3.25	\$ 8.50	\$ 10.45	\$ 8.90/M	\$ 7.20/M
2008P Eliance Escarole - Pelleted	\$ 3.25	\$ 6.75	\$ 9.85	\$ 8.65/M	\$ 8.20/M

### GREENS - SPECIALTY - HYBRID - SOLD BY SEED COUNT

	100	500	1 M	5 M	25 M
1986 Fiero F1 Radicchio	\$ 7.40	\$ 27.85	\$ 48.75	\$ 45.58/M	\$ 37.10/M
1992 Leonardo F1 Radicchio	\$ 7.35	\$ 30.75	\$ 49.80	\$ 46.64/M	\$ 41.76/M
1987 Virtus F1 Radicchio	\$ 7.95	\$ 32.85	\$ 62.10	\$ 54.06/M	\$ 50.67/M

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.

# Uber Arugula

**The productive arugula variety you've been looking for.**

Dark green, serrated leaves are strong and upright, making Uber a great candidate for mechanical harvest. Leaves are uniform and refined, combining the benefits of an efficient harvest with an enticing visual appeal and a bright, spicy flavor to match. Easy to grow, high performing, and an elegant addition to your cut greens assortment.

- Dark green leaves with great flavor
- Suitable for mechanical harvest
- Desirable and refined leaf shape



# Greens, Salad Mixes

A beautiful patch of Hotshot Mix ready to be cut at the High Mowing trials field.

**CULTURAL INFO:** Days to maturity are from direct seeding. Salad mixes are moderately hardy annuals that can be sown from early spring through late summer. Best results will come from separate plantings of lettuces and brassicas as their days to maturity are not identical. Separation of these groups also allows for row cover to be used only on the brassica greens in order to control flea beetles. Mid-weight row cover can be used on all mixes for season extension. Direct seed as soon as soil can be worked. Sow every 1-3 weeks for a continuous harvest. Even fertilization and irrigation are critical for uniform germination, coloration and growth of the stand. Seeding density will impact growth rate and size of leaves. Harvest when leaves are ~4" tall by

cutting 1" from ground or picking individual leaves for cut-and-come-again.

**RESISTANCE KEY:** HR-High Resistance, **DM-Downy Mildew**

**SEED SPECS:** Lettuce Mixes, 20-30M (25M avg) seeds/oz, 320-480M (400M avg) seeds/lb. M=1,000. **1/32 oz approx. 775 seeds.** Brassica Mixes, 15-30M (20M avg) seeds/oz, 240-480M (320M avg) seeds/lb. M=1,000. **1/32 oz approx. 600 seeds.** Direct seeding rate: 60 seeds/foot in a 2" band in rows 2-6" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

GREENS



Hotshot Mix



Kaleidoscope Mix



DMR Salad Blend



Gourmet Lettuce Blend



Red Planet Blend



Mesclun Mix

## 2518 Hotshot Mix 21 days

OP • **HMOS EXCLUSIVE** • Spicy blend of mustards and other favorites

**Spice up your greens with this flavorful mix.** A variety of spicy mustard flavors, colors and shapes. Includes our favorite spicy mustards and some secret ingredients for a signature mix with exciting diversity. Can be marketed and used as a braising mix if grown to full size.

## 2557 Kaleidoscope Mix 21 days

OP • **HMOS EXCLUSIVE** • Vibrant colors • Mildly spicy

**Bright and colorful mix of mild greens featuring a dynamic combination of textures and flavors.** This beautiful selection of Asian greens and mustards is something to be seen. Chosen for colors that truly pop, the light spice of the mustards blended with the deep, savory flavors of the Asian greens create a flavor profile that's just as exciting. Excellent for babyleaf production and can be grown to full size as a braising mix.

## 2615 DMR Salad Blend 28 days

OP • **HMOS EXCLUSIVE** • HR: **DM (most varieties resistant to races I-32)**

**Superb downy mildew resistance in a high-quality blend.** An attractive blend of DM resistant lettuces suitable for outdoor and indoor production. Features deep reds and brilliant greens including oak, romaine, lollo, and red and green leaf types. Excellent for overwintering.

## 2610 Gourmet Lettuce Blend 28 days

OP • **HMOS EXCLUSIVE** • Lettuces in every shape and color

**A unique HMOS creation you won't find anywhere else.** This tasty and attractive mix features a wide variety of lettuces including romaine, lollo, green leaf, red leaf and more. A signature blend with unique shapes and colors that chefs and gourmands will love.

## 2620 Mesclun Mix 28 days

OP • **HMOS EXCLUSIVE** • A complementary mix of lettuces and mustards

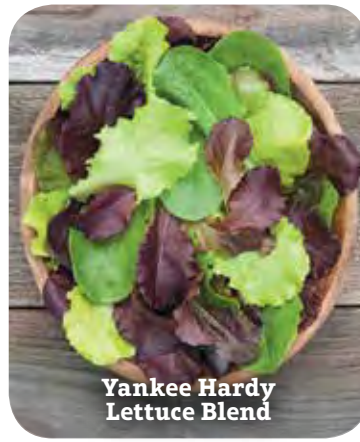
**Our best-selling item for the home garden.** Our own HMOS blend of lettuce and mustard greens. The diversity of this mix will give you a great medley of flavor and color. Mustards grow quickly, shading the soil for lettuces, creating a bountiful mix of greens suitable for cut-and-come-again harvests.

## 2585 Red Planet Blend 28 days

OP • **HMOS EXCLUSIVE** • Bright red to deep purple lettuces with a few green lettuces

**A stunning all-lettuce mix of spectacular red hued leaves.** A great blend for spring or summer. We chose our most intensely colorful varieties for a mix that tastes great and makes a statement on the plate.

**2584 Yankee Hardy Lettuce Blend** 28 days  
 OP • **HMOS EXCLUSIVE** • HR: DM (most varieties resistant to races I-17) • Cold hardy  
**A cold-tolerant, disease-resistant mix.** This attractive blend of colors and leaf types creates an eye-catching, all-around pleasing mix for the garden or market. Most of these lettuces have good downy mildew resistance, essential for fall and winter plantings in regions with downy mildew pressure.



**Yankee Hardy Lettuce Blend**



**Ironman Kale Mix**

**2516 Ironman Kale Mix** 30 days  
 OP • **HMOS EXCLUSIVE** • Cold hardy • Uniform maturity  
**These kale varieties are ideally suited for baby leaf production, maturing at an even rate to offer a unique, textured blend.** The perfect bag of greens for the health-minded consumer. Farmers market customers will love this nutrient-dense alternative to salad mix. Tender young greens can be used raw or added to juices, smoothies and stir-fries. Varieties selected to mature at an even rate and provide a variety of colors and textures. May include various Lacinato, Russian, green curly and other kale types.

GREENS - SALAD MIX - SOLD BY SEED WEIGHT	1/32 oz	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb
2610 Gourmet Lettuce Blend	\$ 3.25	\$ 7.00	\$ 12.60	\$ 26.60	\$ 84.00	\$ 120.40	\$ 112.00/lb
2518 Hotshot Mix	\$ 3.25	\$ 4.00	\$ 6.90	\$ 18.55	\$ 58.55	\$ 85.85	\$ 77.38/lb
2516 Ironman Kale Mix	\$ 3.25	\$ 4.50	\$ 8.00	\$ 20.05	\$ 47.55	\$ 78.15	\$ 70.45/lb
2557 Kaleidoscope Mix	\$ 3.25	\$ 4.05	\$ 7.20	\$ 18.00	\$ 42.70	\$ 70.25	\$ 63.28/lb
2620 Mesclun Mix	\$ 3.25	\$ 4.55	\$ 8.15	\$ 20.40	\$ 48.35	\$ 79.50	\$ 71.64/lb
2585 Red Planet Lettuce Blend	\$ 3.25	\$ 7.15	\$ 13.00	\$ 28.60	\$ 88.40	\$ 162.50	\$ 136.50/lb
2584 Yankee Hardy Blend Lettuce	\$ 3.25	\$ 6.60	\$ 11.85	\$ 25.40	\$ 79.20	\$ 146.65	\$ 122.19/lb
GREENS - SALAD MIX - SOLD BY SEED COUNT	500	5 M	25 M	50 M	100 M	500 M	
2615 DMR Salad Blend	\$ 3.25	\$ 1.70/M	\$ 1.31/M	\$ 1.02/M	\$ 0.85/M	\$ 0.77/M	

Larger volumes available; please call for pricing.

# SEED KEEPER *Amirah Mitchell*

*Amirah Mitchell, seed keeper in Philadelphia, PA*



**A**mirah Mitchell is a seed keeper. Her love for food and farming has roots that reach across her journey from Boston to Atlanta and now Philadelphia, and stretch far beyond into the agricultural legacy of her ancestors. This passion for foodways and seeds brought her to the City of Brotherly Love where she works with two organizations growing culturally relevant varieties of crops and saving their seeds. She teaches, she inspires, and she grows. She is involved in creating a community seed library and feels

called to help build a framework of support for Black farmers in the United States.

She has been building on her intimate relationship with African foods, which has sent her down many paths. Her research has led her to investigate the seeds that came to the United States with her own family during slavery.

“I found this one squash on Chef Michael Twitty’s blog, the Green Striped Cushaw Squash, that was often grown in the Carolinas by African Americans since slavery. Knowing that my grandmother on my father’s side was from the Carolinas, I thought that maybe this squash is something that my great, great grandparents ate; maybe this squash was connected to my own family history in some way.

I decided to start growing this squash and it was the first crop that I ever grew as a seed crop. Later that year, my grandmother passed away. She would make the best food, and she cooked with so much love and was this link between me and my family in the South. Her funeral was the first time I had seen a lot of my relatives in a while that still lived in Virginia and the Carolinas. I ended up talking with my

great aunt about the Green Striped Cushaw Squash and learned that it was actually a vegetable that my great grandfather grew in his garden.

It was a moment that really hit me. The heirloom seeds that I was growing were a part of me. This variety was closer to me than I had initially realized. The following Thanksgiving, I made a pie with the squash that I had grown, and my great aunt knew what it was before I had told anyone what I had made it with. Bringing this variety back to my family showed me a deeper importance in seed work that goes beyond the conceptual. This is personal. This is personal for my family. This is the kind of memory that brought tears to the eyes of my elders.

It made me realize how much I wanted other people to experience that. To experience the food that speaks to us individually and to our communities and nourishes so much more than just our bellies. It was a realization that made me very deeply committed to this work—I wanted more people in my community and other communities to learn about the power of seed keeping.”

# Greens, Sprouts



A bountiful kitchen counter production of Spicy Salad Mix sprouts ready to be added to a fresh salad.

**CULTURAL INFO:** Sprouts are tiny, immature plants grown without soil through a process of soaking and rinsing with water. Our sprouts are packed according to U.S. food safety standards.

**GMO POLICY:** We focus on prevention of GMO contamination in all our seeds.

All alfalfa seed lots are also tested to confirm zero detectable level in 10,000 seeds. No contaminated seed lots will ever be sold.

Please visit [highmowingseeds.com](http://highmowingseeds.com) for more info.

GREENS



**Alfalfa**



**Ancient Eastern Blend**



**Broccoli Blend**



**Broccoli**



**Mung Bean**



**Radish**



**Sandwich Booster Mix**



**Spicy Salad Mix**



**Kale**



**Spring Salad Mix**



## 94796 Sprout Jar Lid

The easy-to-use H MOS Sprout Jar Lid fits most wide mouth mason jars. Made of a durable food-grade plastic with mesh holes big enough to drain just the water, not tiny alfalfa seeds. Order more than one jar lid and rotate your crops every 3-4 days to ensure that you always have a steady supply. BPA-free. **\$5.25**

### SPROUTING SEEDS - SOLD BY SEED WEIGHT

		3 oz	4 oz
1700 Alfalfa	Mild flavor and crunch; very easy to grow.	\$ 4.95	
1710 Ancient Eastern Blend	A delicious blend of fenugreek, lentils, kamut (wheat), mung beans and adzuki beans.		\$ 4.95
1705 Broccoli Blend	This antioxidant-rich blend contains broccoli, broccoli raab, radish, mustard and arugula.	\$ 4.95	
1707 Broccoli	Quick, easy sprout with mildly spicy flavor and great health benefits.	\$ 7.95	
1709 Kale	Excellent depth of flavor from beautiful, green sprouts that are very easy to grow.	\$ 7.95	
1728 Mung Bean	A popular sprout used extensively in Asian cuisine with juicy, succulent texture.		\$ 4.95
1708 Radish	Red to purple stems with bright green cotyledons; vigorous and spicy.	\$ 4.95	
1702 Sandwich Booster Mix	Tasty blend of sweet, mild clover and alfalfa plus spicy radish and mustard.	\$ 4.95	
1701 Spicy Salad Mix	A mildly spicy blend of lentils, alfalfa, red clover, radish and black mustard.		\$ 4.95
1712 Spring Salad Mix	Delicious mix of broccoli, radish, red clover and alfalfa that is sweet with a touch of spice.	\$ 4.95	

# Greens, Micro & Shoots



Taylor and Paul evaluate the progress of Broccoli microgreens in the trials greenhouse.

**CULTURAL INFO:** Microgreens are the tender, immature leaves of salad greens, herbs, edible flowers and leafy vegetables. Almost any seed can be grown as a microgreen but there are some tried-and-true varieties that are sought out for their unique color, shape and flavor at the micro size. Choose flats with drainage holes for planting; 1020 plastic flats work well. Fill flats with an inch or more of moist potting soil or soilless mix. Broadcast seeds evenly over surface and press seeds gently into soil. Even and constant moisture is essential for vigorous and uniform sprouting. Use of a mister is helpful. Ensure moisture by lightly sprinkling medium

over seeds or use a clear dome to cover tray. For blanching popcorn shoots, cover with an opaque tray. Remove dome after seedlings emerge to avoid mold. Flats can be placed under grow lights, outdoors under shade or in hoophouses with natural light. Harvest by clipping stems when first true leaves appear between cotyledon leaves, on average about 10-15 days after planting. Wash greens and dry on towels, or in a spinner. Store refrigerated in plastic bags. Microgreens are also sold by the flat and customers clip right before using for best quality. Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

GREENS





Blaze Mix



Prism Blend



Pea



Popcorn



Mild Mix



Silk Road Mix



Spicy Mix



Sunflower



Wheatgrass

GREENS - MICRO - SOLD BY SEED WT	DESCRIPTION	DAYS TO MATURITY	1/4 lb	1 lb	5 lb	20 lb*
2010-QMG Arugula	Spicy long, rounded green leaves	16-25	\$ 9.55	\$ 31.00	\$ 25.00/lb	\$ 22.50/lb
5000-QMG Basil	Aromatic half-circle shaped leaves, short stem	16-25	\$ 16.45	\$ 51.00	\$ 50.00/lb	\$ 42.40/lb
<b>new</b> 1724-QMG Blaze Mix	Spicy radish mix with a variety of textures, flavors and colors	10-15	\$ 8.50	\$ 16.95	\$ 13.78/lb	\$ 11.50/lb
1734-QMG Broccoli	Mild succulent white stems with dark green leaves	10-15	\$ 9.55	\$ 20.25	\$ 17.80/lb	\$ 14.95/lb
1735-QMG Cilantro	Mild light green leaves and white stems	16-25	\$ 8.50	\$ 16.95	\$ 13.78/lb	\$ 11.50/lb
1740-QMG Collards	Mild dark green leaves and green stems	10-15	\$ 36.05	\$ 95.40	\$ 81.62/lb	\$ 71.55/lb
1745-QMG Daikon Radish	Spicy green leaves with white stems	10-15	\$ 6.00	\$ 11.65	\$ 9.75/lb	\$ 7.80/lb
5060-QMG Dill	Aromatic flavor and fine, silky leaves	10-15	\$ 11.15	\$ 26.50	\$ 22.90/lb	\$ 18.19/lb
1760-QMG Garnet Red Amaranth	Mild fuschia-colored leaves and stems	16-25	\$ 23.30	\$ 58.30	\$ 47.70/lb	\$ 36.68/lb
2343-QMG Green Chard	Mild narrow green leaves and pale pink stems	16-25	\$ 14.85	\$ 47.70	\$ 39.22/lb	\$ 34.45/lb
1736-QMG Green Kale	Mild dark green leaves and white stems	10-15	\$ 26.50	\$ 79.50	\$ 66.78/lb	\$ 59.63/lb
2485-QMG Green Wave Mustard	Spicy narrow green leaves and white stems	10-15	\$ 26.50	\$ 55.00	\$ 47.00/lb	\$ 45.25/lb
2520-QMG Lacinato Kale	Mild light green leaves and green stems	10-25	\$ 20.15	\$ 62.00	\$ 57.00/lb	\$ 49.75/lb
1730-QMG Mild Mix	Mild attractive blend of textures and colors	10-25	\$ 12.95	\$ 41.05	\$ 36.72/lb	\$ 32.13/lb
2490-QMG Mizuna	Mild light green, deeply serrated leaves	10-15	\$ 13.25	\$ 40.30	\$ 37.10/lb	\$ 33.29/lb
2515-QMG Pac Choy	Mild rounded, juicy, tender leaves	10-15	\$ 16.00	\$ 36.00	\$ 33.00/lb	\$ 30.75/lb
2556-QMG Prism Blend	Enchanting colors with a mildly spicy, irresistible flavor	10-15	\$ 23.30	\$ 58.30	\$ 47.70/lb	\$ 36.62/lb
1739-QMG Purple Kohlrabi	Spicy deep purple-green leaves and purple stems	10-15	\$ 12.20	\$ 36.05	\$ 31.38/lb	\$ 27.83/lb
1737-QMG Purple Sango Radish	Mild purple leaves and purple stems	10-15	\$ 14.85	\$ 44.50	\$ 37.10/lb	\$ 31.54/lb
1738-QMG Red Acre Cabbage	Mild emerald green leaves with bright purple stems	10-15	\$ 12.70	\$ 40.30	\$ 34.98/lb	\$ 27.83/lb
2290-QMG Red Beet	Mild narrow green leaves and magenta stems	16-25	\$ 11.65	\$ 27.55	\$ 24.38/lb	\$ 22.50/lb
2504-QMG Red Carpet Mustard	Bright red cotyledons, stems and leaves with a moderate spice	10-15	\$ 9.55	\$ 26.50	\$ 22.26/lb	\$ 18.02/lb
2360-QMG Red Chard	Mild green leaves and scarlet stems	16-25	\$ 16.50	\$ 53.00	\$ 45.00/lb	\$ 38.75/lb
1750-QMG Red Lace Mustard	Solidly reddish, purple leaves with great spice and texture	10-15	\$ 8.50	\$ 23.30	\$ 19.08/lb	\$ 17.23/lb
2505-QMG Red Mustard	Spicy green leaves with purple veins and highlights	16-25	\$ 25.45	\$ 79.50	\$ 64.66/lb	\$ 51.15/lb
<b>new</b> 1741-QMG Red Rambo Radish	Spicy and stunning, deep purple leaves and purple stems	10-15	\$ 12.70	\$ 38.15	\$ 31.80/lb	\$ 29.05/lb
2530-QMG Red Russian Kale	Mild green/purple leaves and lavender stems	10-15	\$ 16.00	\$ 39.00	\$ 37.00/lb	\$ 32.50/lb
<b>new</b> 2499-QMG Red Veined Sorrel	Tangy, bright green leaves with deep maroon stems and veins	16-25	\$ 98.00	\$ 275.60	\$ 232.14/lb	
2506-QMG Ruby Streaks Mustard	Green leaves with a mild spice and purple hues	10-15	\$ 24.40	\$ 67.85	\$ 61.00/lb	\$ 55.65/lb
1725-QMG Silk Road Mix	Various colors of succulent Asian greens with a hint of spice	10-15	\$ 19.10	\$ 58.30	\$ 53.00/lb	\$ 44.52/lb
1733-QMG Spicy Mix	Spicy blend of flavors and textures	10-15	\$ 21.20	\$ 63.60	\$ 57.24/lb	\$ 50.35/lb
2347-QMG Sunset Chard	Golden stems with narrow, bright green leaves	10-15	\$ 25.45	\$ 55.00	\$ 47.00/lb	\$ 44.75/lb
2501-QMG Tokyo Bekana	White stems and ruffled leaves with lime green color	10-15	\$ 20.65	\$ 58.30	\$ 34.98/lb	\$ 29.15/lb
<b>new</b> 1708-QMG Triton Radish	Red stems with bright green leaves and snappy flavor	10-15	\$ 9.00	\$ 16.00	\$ 13.00/lb	\$ 10.25/lb
2503-QMG Wasabina Mustard	Bright green leaves with a refreshing wasabi spice	10-15	\$ 23.00	\$ 65.00	\$ 57.00/lb	\$ 54.25/lb
SHOOTS - SOLD BY SEED WEIGHT	DESCRIPTION	DAYS TO MATURITY	1/4 lb	1 lb	5 lb	20 lb*
1800 Pea Shoots	Crunchy, juicy texture and the same delicious flavor as fresh peas	7-14	\$ 3.25	\$ 5.00	\$ 3.47/lb	\$ 2.80/lb
1805 Popcorn Shoots	Sweet flavor and good crunch	7-14	\$ 6.15	\$ 15.20	\$ 11.66/lb	\$ 9.97/lb
1810 Sunflower Shoots	Black oil variety best for tender shoots with nutty flavor	7-14	\$ 4.60	\$ 11.25	\$ 9.40/lb	\$ 8.50/lb
1706 Wheatgrass Shoots	Great for wheatgrass juice, sprouted wheat bread, milling or short sprouts	7-14	\$ 3.95	\$ 6.25	\$ 3.90/lb	\$ 3.40/lb

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.

# Kale

*Brassica spp.*



Nathan, Daniel, farm owner Ashley Rodgers, Cassie and Claire stand in an abundant kale crop at Rodgers Roots and Greens in Douglasville, Georgia.

**CULTURAL INFO:** Days to maturity are from direct seeding, subtract two weeks if transplanting. Kale is a hardy biennial closely related to cabbage and broccoli. It will overwinter in milder climates and can be harvested over a long window. Kale is easier to grow than broccoli or cabbage because it is more tolerant of fluctuations in temperature and water, and because we eat the leaves and not the flower. Direct sow when daytime soil temps warm to 65-75°F or start 4-6 weeks before planting date. Optimal soil temperature for germination is 75°F, but seeds will germinate in soils as cool as 50°F. Seedlings can tolerate frost after they've hardened off. Plant for baby leaf every 1-3 weeks for a continual harvest. Sow fall plantings two months before first expected frost for full size and up until frost for baby leaf. Sweetens after light frosts.

**DISEASE & PESTS:** Kale is subject to the same insect pests as collards, cabbage, cauliflower and broccoli. Because the leaves are the edible portion, damage from

insects like flea beetles may require control with floating row covers. Insect pests of the Lepidoptera order can be controlled by *Bacillus thuringiensis* (Bt) or spinosad, preferably in rotation with one another to prevent selection of resistant individuals (check with your certifier before applying). Kale can be affected by Black rot, caused by the bacterium *Xanthomonas campestris* and clubroot, caused by the soil-borne fungus *Plasmodiophora*. Prevention includes resistant varieties, crop rotation, removal or tillage of plant debris, eliminating cruciferous weeds, and handling plants in dry conditions.

**SEED SPECS:** 5.6-9.4M (7.5M avg) seeds/oz, 90-150M (120M avg) seeds/lb. M=1,000. 1/32 oz approx. 225 seeds. Direct seeding rate: Baby, 60 seeds/foot in a 2" band in rows 2-6" apart. Full size, 3 seeds every 12", thin to 1 plant in rows 18-36" apart. Transplants: 12-18" apart in rows 18-30" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## FLAT

### 2530 Red Russian 21 days baby, 50 full size

HEIRLOOM • Excellent baby leaf strain • Cold tolerant • 24-36" tall

**Bright purple stems and slate green, deeply lobed foliage.** Leaves are tender, smooth and very sweet compared to other kales. An incredibly cold-tolerant variety that improves in flavor with cold weather. Popular ingredient in baby leaf salad mixes or as full size bunches. *B. napus*.

### 2528 White Russian 21 days baby, 50 full size

OP • OSS1 • Tolerates wet soil • Very cold hardy • 24-30" tall

**Sweet, tender leaves with excellent frost tolerance.** Voted the best tasting in our taste tests, with white ribs and blue green leaves that get sweeter in cold weather. Broad leaves size up well while remaining tender, offering the classic shape of a Red Russian kale with a slightly more refined appearance. Leaves are moderately serrated and beautiful cut at baby leaf size or left to mature for full bunches. Great for pairing with Red Russian for an attractive color blend. A portion of the sales of this variety is paid to the breeder. *B. napus*

### 2516 Ironman Kale Mix 30 days

See Greens, Salad Mixes, page 41.

### 2520 Lacinato 30 days baby, 60 full size

HEIRLOOM • Improved vigor, yield and hardiness • 26-36" tall

**Unique, blue-green savoyed leaves on extremely vigorous plants.** Ideal for raw kale salads and soups. Leaves are very dark blue-green and heavily savoyed, sweetening with each frost. Also known as Dinosaur or Tuscan kale. Our strain is exceptionally large, vigorous and cold tolerant. *B. oleracea*

### 2535 Siberian 30 days baby, 60 full size

OP • Productive • Frost hardy • 18-36" tall

**Exceptionally tender, light blue-green leaves with white stems and ruffled edges.** One of the best varieties for raw salad and spring "napini." Plants are hardy and grow rapidly. Great flavor that is sweetened and improved by frost. *B. napus pabularia*. Limited availability in 2022

### 2534 Dazzling Blue 60 days

OP • OSS1 • Colorful Lacinato-type • 24-30" tall

**"Dazzling" indeed, this Lacinato-type delights with unique coloring and rich flavor.** Vigorous plants produce leaves with purple midribs and a range of colors that intensify in cool temperatures. Hardier than the traditional Lacinato. Ideal for raw kale salads. Bred by Hank Keogh of Avoca Seed Farm, produced in association with Wild Garden Seed in Oregon and released through the Open Source Seed Initiative. *B. oleracea*



Red Russian



White Russian



Ironman Kale Mix



Lacinato



Siberian



Dazzling Blue

CURLY



Scarlet



Vates



Darkibor F1



Dwarf Green Curled



Meadowlark



Westlander



Curly Roja



Redbor F1

2531 **Scarlet** 30 days baby, 55 full size

OP • Very cold tolerant • 24-36" tall

**Densely curled purple leaves on tall, upright stalks for easy bunching.** Comparable to Redbor F1 in height, leaf shape and color; Scarlet makes a unique addition to kale offerings either in bunches or as a baby leaf. Vigorous plants produce reliable yields in both spring and fall. Vibrant color intensifies in cooler temperatures. From our partners at CN Seeds. A portion of the sales of this variety is paid to the breeder. *B. oleracea*

2521 **Vates** 30 days baby, 55 full size

OP • Excellent baby leaf variety • 20-24" tall

**Curly kale with dark green leaves for baby leaf or dwarf, full size plants.** Short, sturdy plants are prolific when planted in the spring or fall. Curly leaf shape make this kale perfect for kale chips, raw salads, and soups. Leaves resist yellowing in cold and heat. Overall compact plants show some size variability. *B. oleracea*

2533 **Darkibor F1** 50 days

HYBRID • Extra curly • Resists yellowing • 24-36" tall

**Dark green with excellent flavor, this hybrid kale produces best in spring and fall.** Similar to Winterbor F1, these tall plants provide high yields of densely curled greens. Vigorous plants hold well in cold weather and are suited to overwintering production in Southern climates. From our partners at Bejo Seeds. *B. oleracea*

2522 **Dwarf Green Curled** 50 days

OP • High yielding • Robust 18" plants

**Compact variety with frilly, tightly curled leaves and excellent flavor.** A frost-tolerant variety from northern Germany that can be harvested long into winter. Plants have a slightly smaller frame and attractive, tender medium green leaves. *B. oleracea*

2523 **Meadowlark** 50 days

OP • Narrow leaf • Very cold tolerant • 24-36" tall

**Unusual long, elegant leaves covered in curls.** Exceptionally attractive plants with tall, upright architecture and narrow, tightly curled leaves that are sweet, tender and easy to de-rib. So pretty it could pass as an ornamental. A German specialty with impressive frost tolerance. Not as curly at the baby leaf stage. *B. oleracea*

2526 **Westlander** 50 days

OP • Uniform stands • Very cold tolerant • 20-30" tall

**Very curly, broad leaves with tender texture.** Compares well to hybrid kales. Extremely cold-hardy variety with large, flavorful leaves. Larger than Dwarf Green Curled, with a compact shape and loose green curls. Densely ruffled, blue-green leaves with uniform size and shape. From the Swiss biodynamic seed company Sativa. *B. oleracea*

2529 **Curly Roja** 55 days

HEIRLOOM • Edible and ornamental • 24-36" plants

**Gorgeous, magenta stems with bright green leaves that fade to purple on savoyed, lofty edges.** Densely frilled leaf edges, stunning purple-sage color, deep purple stems and cold hardiness are all elements of an exquisite kale bunch that holds well after harvest. Compare to Redbor F1. Does especially well in fertile conditions. *B. oleracea*. *Unavailable in 2022*

2536 **Redbor F1** 55 days

HYBRID • Productive • Ideal for overwintering • 24-36" tall

**The red, sister variety of the market-standard curly green kale, Darkibor F1.** A long-awaited hybrid curly red kale, Redbor F1's tall, dark red leaves on sturdy stems are full of vigor and grow upright for easy harvests. High performing with deeply curled, red leaves that hold up in a variety of field conditions. As with all red kales, flavor and color are enhanced by cold weather. From our partners at Bejo Seeds. *B. oleracea*

KALE SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT

	1/32 oz	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb
2529 Curly Roja - <i>Unavailable in 2022</i>	\$ 3.25	\$ 5.85	\$ 9.55	\$ 21.20	\$ 65.70	\$ 100.70	\$ 85.86/lb
2520 Lacinato	\$ 3.25	\$ 4.75	\$ 9.00	\$ 15.50	\$ 42.00	\$ 62.00	\$ 57.00/lb
2530 Red Russian	\$ 3.25	\$ 4.15	\$ 5.05	\$ 10.15	\$ 26.00	\$ 39.00	\$ 37.00/lb
2531 Scarlet	\$ 3.25	\$ 5.30	\$ 10.60	\$ 30.00	\$ 68.00	\$ 95.00	\$ 81.00/lb
2535 Siberian - <i>Limited availability in 2022</i>	\$ 3.25	\$ 5.05	\$ 10.60	\$ 20.15	\$ 45.60	\$ 82.70	\$ 72.08/lb
2521 Vates	\$ 3.25	\$ 3.60	\$ 5.85	\$ 13.25	\$ 33.90	\$ 63.60	\$ 58.30/lb
2528 White Russian	\$ 3.25	\$ 5.30	\$ 8.50	\$ 15.90	\$ 55.10	\$ 90.10	\$ 77.38/lb

KALE SEED - OPEN-POLLINATED - SOLD BY SEED COUNT

	50	250	1 M	5 M	25 M
2534 Dazzling Blue	\$ 3.25	\$ 3.65	\$ 5.75	\$ 3.12/M	\$ 2.20/M
2522 Dwarf Green Curled	\$ 3.25	\$ 3.70	\$ 7.95	\$ 3.82/M	\$ 2.97/M
2523 Meadowlark	\$ 3.25	\$ 10.55	\$ 13.80	\$ 8.27/M	\$ 6.15/M
2526 Westlander	\$ 3.25	\$ 4.00	\$ 9.00	\$ 6.36/M	\$ 4.66/M

KALE SEED - HYBRID - SOLD BY SEED COUNT

	50	250	1 M	5 M	25 M
2533 Darkibor F1	\$ 4.75	\$ 11.40	\$ 27.05	\$ 22.00/M	\$ 19.80/M
2536 Redbor F1	\$ 5.50	\$ 14.85	\$ 35.00	\$ 30.53/M	\$ 26.29/M

Larger volumes available; please call for pricing.



# Kohlrabi

*Brassica oleracea var. gongylodes*



Taylor with a beautiful Superschmelz kohlrabi bulb in the brassica trials field.

**CULTURAL INFO:** Days to maturity are from transplant; add 15-20 days if direct seeding. Kohlrabi is a delightful vegetable with mild flavor and the texture of an apple. Direct seed or transplant as soon as ground can be worked in spring or in late summer for fall harvest. Start transplants indoors 4-5 weeks before planting date. The edible portion of kohlrabi is not the root, but rather the round, swollen stem of the plant. Leaves are also edible. For most varieties, harvest when stem swells to 3-5" and is easily visible above the soil. Plants will withstand light frost.

**DISEASE & PESTS:** Prevent disease and recurrent pest pressure with crop rotation and cover cropping. Black rot is caused by the bacterium *Xanthomonas campestris* and clubroot is caused by the soil-borne fungus *Plasmiodiophora*. Prevention includes crop rotation, removal or tillage of plant debris, eliminating cruciferous weeds and handling plants only in dry conditions.

Insect pests, including cabbage looper, imported cabbage worm and diamondback moth, all of the Lepidoptera order, can be controlled by *Bacillus thuringiensis* (Bt); check with your certifier before applying. Protect plants from flea beetles using floating row cover in the early season. Control root maggots by applying beneficial nematodes or row cover.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **BR-Black Rot**, **DM-Downy Mildew**, **FY-Fusarium Yellows**

**SEED SPECS:** 5.5-9M (6.5M avg) seeds/oz. M=1,000. Direct seeding rate: 8 seeds/foot, thin to 1 plant every 4-10", depending on variety, in rows 12-18" apart. Transplants: 4-10" apart, depending on variety, in rows 12-18" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## PURPLE

### 2304 Azur Star 50 days

OP • Very juicy • Slow to bolt • 3.25" bulbs

**Delicious early kohlrabi with eye-catching violet skin and smoky, blue-green leaves.**

A beautiful and reliable variety with attractive presentation for market. Crisp, juicy flesh great for slaws. Originally bred by Hild Seed Company in Germany.

### 2307 Kolibri F1 50 days

HYBRID • IR: **BR** • Highly uniform • 3-4" bulbs

**The most uniform purple kohlrabi, with deep purple, tender skin.** Kolibri F1 is reliably beautiful year after year in every set of conditions. Has crisp, nearly fiberless white flesh that contrasts nicely with its violet skin. From our friends at Bejo Seeds.



Azur Star



Kolibri F1

## GREEN

### 2537 Korist F1 42 days

HYBRID • HR: **DM** • Long field holding capacity • 3" bulbs

**Early, uniform bulbs with dense, crisp centers.** Clean skin and uniform shape make this a more refined bulb than other kohlrabi varieties. With a growth habit very similar to Kolibri F1, they can be grown together for beautifully contrasting, colorful bunches.

### 2539 Trero 42 days

OP • Sweet flavor • Bolt resistant • 3" bulbs

**Early-forming bulbs are white, tender and ideal for fresh eating.** This early, sweet variety performs well in a high tunnel, under fabric, or in the field. The white bulbs have a thin, supple skin that makes them delicious in salads and slaws. Bulbs are globe shaped and plants are highly resistant to bolting as the temperatures begin to climb.

### 2538 Kordial F1 45 days

HYBRID • HR: **DM, FY** / IR: **BR** • Spring/fall crop • 3-5" bulbs

**Early, uniform bulbs with dense, crisp centers.** Rich flavor and a satisfying, crunchy texture that is excellent shredded and added to coleslaw. Crack-resistant bulbs have erect leaves that are suitable for bunching. Performs best as a spring or fall crop. *Limited availability*



Korist F1



Trero



Kordial F1

**GROWER'S CHOICE**

“ I have been so amazed by the **Trero Kohlrabi!** It has been the most resilient and dedicated crop imaginable. After it had been transplanted, in late May we had a few days of frost along with cold rain. I thought I had lost them, however I had faith they could stay strong and they did! These Kohlrabi grew into such beautiful and delicious bulbs. ”

—Kristin of Tuttie Frutties in Minnesota



**Kossak F1**



**Superschmelz**

**2306 Kossak F1** 70 days

HYBRID • IR: **DM** • Stores well • Huge 8-10" bulbs

**White skinned with dense white flesh; big enough to feed a community.**

Grows to a huge size, remaining sweet and juicy without developing any woodiness. Can be kept for several months in cold storage. Plant 12" apart.

**2308 Superschmelz** 80 days

OP • Sweet flavor • Bolt resistant • Huge 8-10" bulbs

**Late season, giant kohlrabi with tender, sweet flesh that holds quality in storage.**

Performs well under fabric or in the field. The white bulbs have no woodiness and are delicious in salads and slaws. Bulbs are globe shaped and plants are highly resistant to bolting as the temperatures begin to climb. This storage variety is later than other varieties but its sweetness is worth the wait. Plant 12" apart.

**KOHLRABI SEED - OPEN-POLLINATED - SOLD BY SEED COUNT**

	25	500	1 M	5 M	25 M
2304 Azur Star	\$ 3.25	\$ 12.85	\$ 20.55	\$ 19.67/M	\$ 17.17/M
2308 Superschmelz	\$ 3.25	\$ 9.55	\$ 14.85	\$ 8.90/M	\$ 6.36/M
2539 Trero	\$ 3.25	\$ 12.85	\$ 20.55	\$ 19.67/M	\$ 17.17/M

**KOHLRABI SEED - HYBRID - SOLD BY SEED COUNT**

	25	500	1 M	5 M	25 M
2307 Kolibri F1	\$ 5.15	\$ 28.10	\$ 44.50	\$ 37.10/M	\$ 32.86/M
2538 Kordial F1 - Limited availability	\$ 5.25	\$ 32.50	\$ 53.00	\$ 45.80/M	\$ 39.60/M
2537 Korist F1	\$ 5.25	\$ 32.50	\$ 53.00	\$ 45.80/M	\$ 39.60/M
2306 Kossak F1	\$ 5.25	\$ 32.50	\$ 53.00	\$ 45.80/M	\$ 39.60/M

Larger volumes available; please call for pricing.

# Leeks

*Allium porrum*



Elise brings in a beautiful harvest of leeks at Echo Creek Farm in upstate New York.

**CULTURAL INFO:** Days to maturity are from transplant; add 30-40 days if direct seeding. Leeks are a cool-season biennial that prefer rich soils and plenty of moisture. Summer leeks mature early and are lighter green and slender. Winter leeks mature later, are dark green and require hilling for longer shafts. Seed individual cells or whole flats. When seedlings reach 5", trim in order to increase girth. Transplant to shallow trenches 6" deep, leaving only a few inches of leaf above the soil. For longer blanched stalks, hill plants as they grow. Harvest at any stage of maturity but flavor is best after light frost. Store at just above 32°F with high humidity.

**RESISTANCE KEY:** IR-Intermediate Resistance, **PB-Purple Blotch, R-Rust, T-Thrips, WT-White Tip**

**SEED SPECS:** 9.5-11M (10.5M avg) seeds/oz, 152-176M (164M avg) seeds/lb. M=1,000. **1/64 oz approx. 150 seeds.** Direct seeding rate: 6 seeds/foot, thin to 1 plant every 6" in rows 18-30" apart. Transplants: 6" apart in rows 18-30" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.



**Alto**



**Lancelot**

**SUMMER**

**2700 Alto** 75-85 days

OP • Summer crop • Versatile

**Popular, fast-growing, early summer leek with nice, cylindrical shape and thick, white shaft.** Tall, Bulgarian-type that can be left to mature for beautiful full-bodied leeks or harvested early for delicately flavored bunching leeks good for salads or lightly sautéed. Consistent performance in summer production, not a winter hardy variety.

**new** **2709 Lancelot** 90 days

OP • IR: **PB, R, WT, T** • Adaptable planting dates based on region • Bolt resistant

**Thick, uniform shafts with bolt resistance.** This impressive open-pollinated leek is dependable, producing long white shafts with dark green flags. Suitable for summer and early fall harvests in cooler climates and late fall and overwintering in warm climates. Shafts are large and uniform, making them easy to clean and versatile in the kitchen. From our partners at Bejo Seeds.

## 2701 Chinook F1 90-95 days

HYBRID • Summer crop • Uniform size and shape • Easy to clean

**Early, high-quality leeks with great performance in cold conditions.** Long, straight shafts have bright green outer wrapping and deep blue-green flags. Adaptable variety grows quickly, is easy to field clean, and has high yield potential for commercial growers. Slightly longer and narrower than Megaton F1 with superior uniformity. From Vitalis Organic Seeds.

FALL/WINTER



Chinook F1



Comanche F1

## 2698 Comanche F1 95-100 days

HYBRID • Flexible harvest window • Sizes up early

**Early fall leek with long white shafts and dark bluish-green foliage.** Suitable for both bunching and prepacking, these beautiful white shafts are durable with a tender interior. The layers are easy to peel, making them an ideal allium for the kitchen. With an upright growth habit, plants have good field-holding quality and a flexible harvest window.



Bandit



Runner F1

## 2697 Bandit 100 days

OP • IR: **PB, R, T, WT** • Fall/winter crop • Upright habit

**Thick, heavy, winter leek for late harvests or overwintering.** Forms a very thick base with little bulbing, making cleaning easier and offering more weight per plant. Deeply colorful blue-green flags stand upright. Elongate and blanch shafts by hilling. Mulch well for overwintering in northern regions. *Limited availability*

## 2696 Runner F1 105 days

HYBRID • IR: **PB, R, T, WT** • Fall crop • Upright habit • Holds well

**High-yielding variety with great holding capacity in the field.** High percentage of marketable, easy-to-peel leeks. Compared favorably to Megaton F1 in overall size, girth and foliage health in our trials. Erect plants with upright foliage make for easy bunching and cultivation. An excellent commercial variety from Bejo Seeds. Primed seed.



Oslo F1



Tadorna

## 2708 Oslo F1 110 days

HYBRID • Fall/Winter crop • Bolt resistant • Stores well

**Thick, stocky shafts with dark blue leaves and attractive, upright habit.** Late maturing leek for late fall, early winter harvests. Can be overwintered in more temperate climates. Boasts impressive bolt resistance and good uniformity. Thick shafts are easy to peel and process, making it a versatile ingredient in the kitchen. From Vitalis Organic Seeds.

## 2694 Tadorna 110 days

OP • Winter crop • Uniform size • Excellent field performance

**Exceptional winter leek with highly uniform, stocky, dark green shafts that size up well and hold into the fall.** Plants have reliable, vigorous growth and impressive field resistance to disease. Well adapted to many regions; can be overwintered in mild climates. We have seen good field resistance to leaf blights. Excellent open-pollinated variety for both the home garden and for commercial production.

LEEK SEED - OPEN-POLLINATED - SOLD BY SEED COUNT	100	1 M	5 M	25 M	50 M	100 M
2697 Bandit - <i>Limited availability</i>	\$ 3.85	\$ 9.50	\$ 7.21/M	\$ 6.28/M	\$ 6.04/M	\$ 5.35/M
<b>new</b> 2709 Lancelot	\$ 3.85	\$ 9.50	\$ 7.21/M	\$ 6.28/M	\$ 6.04/M	\$ 5.35/M
2694 Tadorna	\$ 3.25	\$ 8.50	\$ 7.42/M	\$ 6.61/M	\$ 6.04/M	\$ 5.57/M
LEEK SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT	1/64 oz	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb
2700 Alto	\$ 3.60	\$ 8.10	\$ 13.00	\$ 43.25	\$ 144.95	\$ 227.90
LEEK SEED - HYBRID - SOLD BY SEED COUNT	100	1 M	5 M	25 M	50 M	100 M
2701 Chinook F1	\$ 6.10	\$ 43.35	\$ 31.43/M	\$ 28.62/M	\$ 26.50/M	\$ 24.91/M
2698 Comanche F1	\$ 6.30	\$ 45.60	\$ 30.10/M	\$ 27.14/M	\$ 26.50/M	\$ 22.79/M
2708 Oslo F1	\$ 9.00	\$ 33.35	\$ 30.90/M	\$ 28.41/M	\$ 27.03/M	\$ 24.70/M
2696 Runner F1	\$ 9.55	\$ 58.85	\$ 47.70/M	\$ 41.34/M	\$ 38.16/M	\$ 34.98/M

Larger volumes available; please call for pricing.

# Encino Lettuce

**An elevated oak leaf with the texture of a butterhead.**

These stylish heads are stunning, densely packed with lightly savoyed leaves and have a uniform, rounded shape. Highly productive with excellent disease resistance. Plants are adaptable and slow to bolt in variable weather.

- Exceptional disease resistance
- Excellent texture and flavor
- Resists bottom rot



# Lettuce

*Lactuca sativa*

Michael harvesting from the lettuce zone at Echo Creek Farm in upstate New York.

LETTUCE

**CULTURAL INFO:** Days to maturity are from direct seeding; in spring conditions subtract 10-14 days if transplanting, subtract 7-10 days if planting in summer conditions, add 20 days if planting late summer-fall. A cool-season annual, lettuce prefers well-drained soil and high levels of fertility. Can be grown all season long by choosing appropriate varieties. Many varieties may also have a thermal dormancy and can be difficult to germinate in soils above 70-75°F. For best results, germinate lettuce at or below 68°F. Lettuce will germinate at temperatures as low as 40°F. Start transplants 3-4 weeks before planting date. Harden off seedlings by reducing water and temperature. For baby leaf, harvest individual leaves when they reach desired size or cut evenly across the bed staying above the growing tip for cut-and-come-again. For a continuous harvest, sow lettuce every 1-3 weeks.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **APH-Aphids, BR-Bottom Rot or Rhizoctonia, CR-Corky Root, DM-Downy Mildew (races indicated if known), FW-Fusarium Wilt, LD-Lettuce Drop, LMV-Lettuce Mosaic Virus, LRA-Lettuce Root Aphid,**

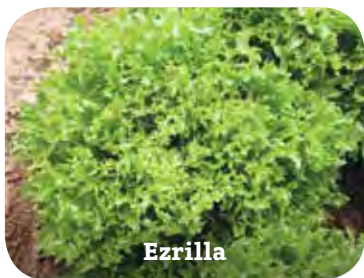
**Nr-Lettuce Leaf Aphid Nasonovia ribisnigri, PM-Powdery Mildew, TB-Tip Burn, TBSV-Tomato Bushy Stunt Virus, WM-White Mold, MT0-10, MT0-30 - indicates that 0 seeds out of 10,000 or 30,000, respectively, have tested positive for LMV. Aphid-resistant varieties are bred to reduce the spread of LMV from non-resistant crops.**

**SEED SPECS:** 20-30M (25M avg) seeds/oz, 320-480M (400M avg) seeds/lb. M=1,000. **1/32 oz approx. 750 seeds.** Direct seeding rate: Baby, 60 seeds/foot in a 2" band in rows 2-6" apart. Full size, 12 seeds/foot, thin to 1 plant every 6-16", depending on variety, in rows 12-18" apart. Transplants: 6-16", depending on variety, in rows 12-18" apart. For Eazyleaf and mini heads, space in rows 6-9" apart. Transplants: 6-16", depending on variety, in rows 12-18" apart for full size or 6-9" apart for Eazyleaf and mini.

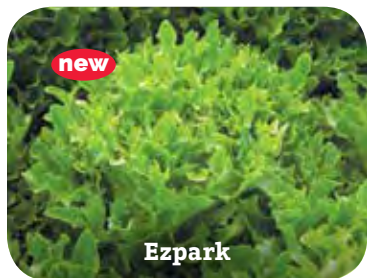
Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.



Hampton, Ezpark, Ezrilla, Burgandy, Rhone, Ezflor, Brentwood, Buckley (L to R)



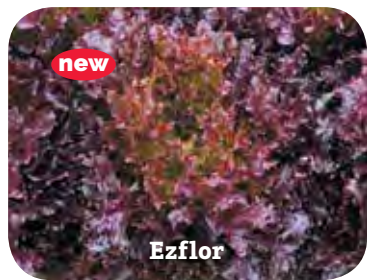
Ezrilla



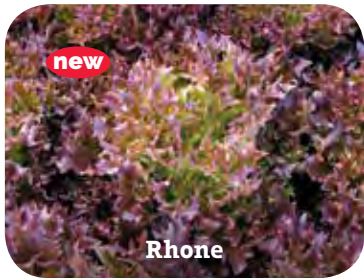
Ezpark



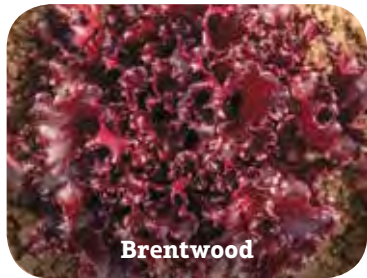
Burgandy



Ezflor



Rhone



Brentwood

## EAZYLEAF

**CULTURAL INFO:** Eazyleaf lettuces can be cut once above the growth point and yield a ready-to-bag salad mix. Suitable for cut-and-come-again or single harvest. Can also be harvested as full heads. Developed by our partners at Vitalis Organic Seeds.

### 2613P **Ezrilla** 52 days

OP • UP • HR: **DM (1-9), Nr, TBSV** / IR: **LMV / MT0-30**

**Unique one-cut green tango type.** Outer leaves are dark green and highly incised, inner leaves are sweet and slightly blanched. Adds excellent texture, loft and crunch to any mix. Strong disease package, very slow to bolt. Pelleted seed only.

### **new** 2622P **Ezpark** 53 days

OP • HR: **DM(1-9), Nr** / IR: **LMV**

**Beautiful, compact green tango type with excellent field holding quality.** Dense heads have impressive yields and vigorous growth. Flexible harvest window provided by exceptional field holding quality. Vibrant green leaves are tender and offer a crisp texture and desirable flavor. Plants are durable making for easy processing. Pelleted seed only.

### 2619P **Burgandy** 55 days

OP • UP pending • HR: **DM (1-9), Nr / MT0-30**

**Deeply-incised leaves on this red tango type have crunchy texture and lofty volume.**

A vivid green interior is contrasted with a delightful, medium red exterior, making for a beautiful addition to salad mixes or simply as a mini head. Good aphid resistance with leaves that have a narrow attachment, making them ideal for whole leaf production. Eye-catching with tender leaves and a delicate, enjoyable flavor. Pelleted seed only.

### **new** 2589P **Ezflor** 55 days

OP • HR: **DM (1-9), Nr, TBSV** / IR: **FW**

**Unique, glossy red leaves with striking, lime green hearts.** Hardy and adaptable heads hold well in the field and have excellent regrowth for a second cut. Leaves are tender but durable, maintaining good texture even when enduring water stress. The unique leaf shape is an excellent addition to a salad mix, with great loft and flavor. Pelleted seed only.

### **new** 2621P **Rhone** 55 days

OP • HR: **DM (1-9), Nr**

**Brilliantly colorful incised, red tango type with durable, dense heads and uniform leaves.** Bright red leaves are vibrant and have a crisp, medium to firm texture. Leaves have unparalleled dimension and are striking to look at in the field or mixed into a bag of cut greens. Leaf volume adds weight to harvest totes quickly. Pelleted seed only.

### 2614P **Brentwood** 57 days

OP • UP • HR: **APH, DM (1-9), FW / MT0-30**

**Glossy, lobed leaves on this red tango type offer plenty of loft.** Attractive color contrast within leaves, with dark red upper foliage and a light green at the center. Cut for salad mix or offer as full heads. Good bolt tolerance. Pelleted seed only.

## 2611P **Buckley** 57 days

OP • HR: **APH, DM (1-9), TBSV / MT0-30**

**Gorgeous, glossy, one-cut red oak leaf grows in an upright rosette.** A single cut yields heaps of tasty leaves all the same size. Cut and mix for an attractive, hefty salad mix, or offer as full heads. Pelleted seed only. *Limited availability*

## 2612P **Hampton** 57 days

OP • UP • HR: **DM (1-8), Nr, TBSV / IR: LMV / MT0-30**

**A voluminous, high leaf count, one-cut oak leaf.** Dark green shiny leaves with narrow attachment points. Has a strong disease package and is very slow to bolt. Cut and mix for salad mix or offer as full heads. Pelleted seed only.

### MINI

## 2626P **Truchas** 42 days full size

OP • UP pending • HR: **DM (1-9), TBSV / IR: LMV / MT0-30** • Little Gem-type • Spring/fall  
**Attractive garnet mini-romaine forming dense, compact heads with lime green hearts.** Stunning color contrast makes an irresistible lettuce display. Deep magenta leaves taper to bright lime green in each upright, cylindrical head. Good uniformity and structural integrity for ease of washing. Pair with Spretnak or Newham. Replaces Rhazes. Pelleted seed only.

## **new** 2560P **Bauer** 45 days full size

OP • HR: **DM (1-9), Nr, TBSV / IR: LMV / MT0-30** • AAS Winner • Mini green oakleaf  
**Award-winning mini green oakleaf with excellent disease resistance.** Dark green, lobed leaves are durable and set on upright growth centers, making for a quick, clean harvest. Heads are uniform, compact and dense, full of tender, sweet leaves. Strong disease package gives this variety good adaptability to many regions. An AAS Winner for its crisp, sturdy leaves and exceptional flavor. From our partners at Vitalis Organic Seeds. Pelleted seed only.

## 2576P **Newham** 45 days full size

OP • UP • HR: **APH, DM (1-9), LRA / IR: CR, LMV / MT0-30**

**This one has it all—gorgeous color, many resistances and an incredible sweet flavor.** We were wowed by Newham in our variety trials and couldn't wait to make it available. This highly modern variety not only has the look, yield and resistances you want, it also has crispy, well-filled hearts and the flavor of the best butterhead. Does well year-round in coastal regions and in winter, spring and fall in hotter regions. Grow at 6" apart for uniform mini heads. From Vitalis Organic Seeds. Pelleted seed only.

## 2581P **Spretnak** 45 days full size

OP • HR: **DM (1-9), LRA / IR: FW / MT0-30** • Spring/fall crop

**Very attractive glossy green leaves packed in dense mini rosettes—a favorite in our trials.** Smooth outer leaves and blanched, tender hearts; compact heads smaller than Tin Tin. Very heat tolerant but best early and late in season. Pelleted seed only.

## 2582P **Bellevue** 48 days full size

OP • HR: **APH, CR, DM (1-8), TBSV / IR: LMV / MT0-30** • Mini red oak leaf

**Glowing red oak leaves emerging from a bright green core.** Bronzed, maroon leaves hold well in the field and are resistant to bolting during variable weather for all season production. Plants are densely packed with eye-catching leaves, bringing loft to salad mixes when cut as mini or full-sized heads. Texture is buttery but durable enough for washing and spinning. The strong disease package makes this an excellent choice for commercial production. From our partners at Vitalis Organic Seeds. Pelleted seed only.

## 2568P **Xalbadora** 48 days full size

OP • HR: **DM (1-9), Nr, TBSV / IR: LMV / MT0-30** • True mini romaine

**All of the best traits of a full-sized, green romaine in a mini, highly disease resistant package.** Sweet flavor and excellent texture make this a desirable variety for harvest at all stages of growth. Perfect when paired with Truchas for a dynamic, colorful romaine blend. Easy to harvest with upright growth habit during an extended harvest window. Plants are fast growing while still maintaining exceptional field holding quality. From our partners at Vitalis Organic Seeds. Pelleted seed only.

## 2569P **Pomegranate Crunch** 50 days full size

OP • UP • HR: **DM (1-8), TBSV / MT0-30** • Mini heads • Reliable

**Stunning mini red romaine with speckled green hearts and smooth texture.** Vivid red outer leaves and sparkling green interiors. Faster growing and more open habit than most other red romaines for a foolproof, disease-resistant combination. Larger than Breen; perfect for pairing with Newham in CSA boxes. From Vitalis Organic Seeds. Pelleted seed only.

### RED LEAF

## 2590 **Dark Lollo Rossa** 30 days baby, 55 full size

OP • Ideal baby leaf variety • Slow to bolt

**Italian looseleaf loved for its deep red, tightly curled leaves surrounding a bright green heart.** An ideal baby leaf variety providing mild flavor and excellent loft, heft and color. Open heads are compact, slower growing and slower to bolt than other lettuces. Displayed field resistance to mildew in our trials. See baby leaf photo on page 56.



Buckley



Hampton



Truchas



new

Bauer



Newham



Spretnak



Bellevue



Xalbadora



Pomegranate Crunch



Dark Lollo Rossa



Red Mist



Vulcan



New Red Fire



Black Seeded Simpson



Waldmann's



Green Star



Muir



Two Star



Tropicana



Red Salad Bowl



Red Oak Leaf

**2577 Red Mist** 40 days full size

OP • UP • HR: **DM (I-9)** / IR: **CR / MT0-30** • Slow to bolt • Spring/Fall crop

**Elaborate heads of bright green leaves misted with dynamic red edges.** Beautiful heads that are adapted to most lettuce growing regions and tolerant of both heat and cold. The heads are upright, slow to bolt, and can be grown from spring through summer, and into the fall. Hosting an unusually fruity flavor, the leaves are tender and delicious and don't tend to get bitter with excess heat during the summer months. Its V-shape growth habit protects the plant from basal rot and allows heads to be packed well for transport. *Limited availability*

**2608 Vulcan** 50 days full size

OP • **MT0-30** • Excellent wholesale variety • Bolt resistant

**A highly prolific, ruffled, red leaf lettuce with colorful, crisp heads and excellent V-shape for commercial production.** Early maturing with heat and disease tolerance.

Leaves are bright red with an apple-green interior and are slow to tip burn. Outperforming many red leaf varieties, it was first introduced in 1987 by Sakata Seed Company and has been highly favored by growers since. Sow in successions for all season production.

**2594 New Red Fire** 55 days full size

OP • IR: **BR, DM, TB / MT0-30** • All-season lettuce • Bolt resistant

**Popular among growers for its uniformity, intense color and bolt tolerance.** Large, loose heads are green at the base and very dark red at the ruffled leaf edges. Retains its crisp fresh flavor throughout the season. Superior to Red Sails for full size heads. Available as raw and pelleted seed.

**GREEN LEAF**

**2550 Black Seeded Simpson** 28 days baby, 45 full size

OP • IR: **DM, LD, TB** • Grand Rapids-type • Baby leaf for salad mix

**Easy, early, tender green leaves that withstand heat, drought and light frost.** A highly adaptable lettuce for plantings throughout the season. Quickly produces a full-sized, bright green open head with distinctively savoyed leaves that hold salad dressing well. Popular baby leaf variety for a bright green contrasting leaf in salad mixes. See baby leaf photo on page 56.

**2563 Waldmann's** 28 days baby, 49 full size

OP • IR: **TB / MT0-10** • Uniform stand • Grand Rapids-type

**Very productive; the commercial standard for green leaf lettuce.** Large green leaves with slightly savoyed, wavy texture form loose, open heads. Best for spring sowings with medium to slow bolting. Requires cool temperature and shallow planting for best germination results. See baby leaf photo on page 56. *Limited availability*

**2551 Green Star** 30 days baby, 52 days full size

OP • IR: **DM / MT0-30** • Popular for baby leaf • Bolt resistant

**Vibrant green summer lettuce with shiny, ruffled leaves and great heat tolerance.** An all-season lettuce, high quality through the heat of summer. Tender, textured baby leaves add great loft to salad mixes. A standout in our green leaf trials. See baby leaf photo on page 56.

**new** **2595P Muir** 50 days full size

OP • PVP • HR: **DM (I-9), Nr, TBSV** / IR: **LMV / MT0-30** • Heat tolerant

**Superior heat tolerance with beautiful, rippling medium green leaves.** Compact heads are exceptionally slow to bolt and maintain a sweet, crisp flavor well into the heat of summer. Can be grown as a mini or as full size heads. Excellent variety for commercial productions. From Vitalis Organic Seeds. Pelleted seed only.

**2567 Two Star** 50 days full size

OP • **MT0-30** • Waldmann's-type • Bolt tolerant

**Improved market standard with dark green color and exceptional flavor even in summer heat.** Heavy heads are uniform and fold easily for packing; ideal for wholesalers. Bred for its dark green color and bolt tolerance in hot weather. One week slower to bolt and darker green than Waldmann's. *Limited availability*

**2629 Tropicana** 52 days full size

OP • PVP • IR: **CR / MT0-30** • Heat and bolt tolerant

**High-quality, full heads showed an outstanding performance in trials across the country.** Vibrant, uniform, green leaves retain crispness and flavor throughout the season. Our trials showed this workhorse variety to be a top overall performer in a dry, hot year. Available as raw and pelleted seed.

**RED OAK LEAF**

**2599 Red Salad Bowl** 28 days baby, 55 full size

OP • IR: **TB** • Best for fall crops • Slow to bolt

**Identical habit and a great complement to Tango; the darkest red oak leaf we offer.** Popular in salad mixes, also suitable for heads. Versatile for all-season use, best color in cooler weather. Displayed field tolerance to fall mildews in our trials. From De Bolster Organic Seeds. See baby leaf photo on page 56.

**2598 Red Oak Leaf** 30 days baby, 60 full size

OP • IR: **DM, LD, TB** • Good fall/winter crop • Heat tolerant

**Burgundy oak leaf with golden sheen, perfect for teenage heads or baby leaves in all seasons.** Versatile variety with mild flavor in summer, good mildew resistance and attractive red color as light levels are decreasing in fall. Rounder, oaky shape and larger lobes than Red Salad Bowl; larger, tighter heads than Oscarde. See baby leaf photo on page 56.

## 2548 **Cantarix** 55 days full size

OP • HR: **APH, DM(I-9), TBSV / MT0-30** • Spring/fall crop

**Full-bodied red oakleaf with vibrant, crimson leaves, green hearts and unmatched visual appeal.** One of our most beautiful red oak leaf lettuces with exceptional field holding quality and disease resistance. Vigorous plants have excellent uniformity, generating luminous orbs of delicately savoyed leaves. Beautiful in the home garden and irresistible to customers of commercial producers. From Vitalis Organic Seeds. *Limited availability*

### GREEN OAK LEAF

## 2540 **Sandy** 21 days baby, 50 full size

OP • IR: **TB** • Versatile • Bolt resistant • Formerly called Regal Oak

**A gorgeous, versatile, all-season variety with distinctive leaf shape.** Bright green leaves are deeply lobed with pointed tips; produces striking full sized heads but also good for baby leaf or teenage heads. One of our California growers praises this variety for good resistance to tip burn, powdery mildew and bacterial leaf spot. The winner of an All-America Selections (AAS) vegetable award. See baby leaf photo on page 56.

## 2605 **Salad Bowl** 28 days baby, 50 full size

OP • IR: **TB** • Popular for baby leaf • Heat tolerant

**Bright green oak leaf most commonly used for baby leaf production, favored for its shape, color and rapid growth rate.** Full size habit is loose and open. Very attractive and always tender and sweet. An All-America Selections (AAS) winner in 1952, and has remained a favorite to this day. Heat tolerant and bolt resistant. See baby leaf photo on page 56.

## 2558 **Tango** 32 days baby, 53 full size

OP • **MT0-30** • Excellent baby leaf variety • Compact

**Deeply lobed and frilly blanched leaf - the standard for salad mixes.** Similar pale green color, frilly shape and lofty texture to endive, a popular ingredient in salad mixes, but with much milder flavor. Makes a small, compact head. Harvest early as Tango has a tendency to bolt quickly. See baby leaf photo on page 56.

## 2627 **Encino** 50 days full size

OP • HR: **DM (I-8), Nr, TBSV / IR: LMV / MT0-30** • Uniform size • Slow to bolt

**Huge, fine heads of buttery, lightly savoyed leaves.** Dense heads of lightly serrated wavy leaves with slightly blanched centers. Sweet and buttery, with larger heads and better resistance to bottom rot than Panisse. High Mowing is proud to be the exclusive producer of organic seed for this variety thanks to our partnership with Vitalis Organic Seeds. A portion of the sales of this variety is paid to the breeder. Available as raw and pelleted seed.

### RED ROMAINE

## 2600 **Rouge d'Hiver** 28 days baby, 60 full size

HEIRLOOM • IR: **LD, TB** • Baby or full size • Fall crop

**Versatile variety with beautiful bronze leaves for salad mix or full size heads.** Color varies from reddish-bronze to deep red on the tips with dark green bases. As its translated name Red of Winter implies, this variety does particularly well in the cool conditions of the fall and winter. See baby leaf photo on page 56.

## 2592 **Outredgeous** 30 days baby, 55 full size

OP • OSSI • **MT0-30** • Great baby leaf variety • Upright habit

**Outdoes all the reds, forming a loose teenage head with spectacular solid magenta color.** Outredgeous is so red that botany students didn't recognize it as lettuce when they saw it in Frank Morton's breeding nursery. Makes an eye-catching statement in your salad mix. Released under the Open Source Seed Initiative. Grown on the International Space Station in 2015. A portion of this variety's sales is paid to the breeder. See baby leaf photo on page 56.

### GREEN ROMAINE

## 2543 **Freckles** 28 days baby, 55 full size

HEIRLOOM • For baby or full size • Heat tolerant

**An unusual bright green romaine with crimson splashes.** Upright growth, early coloring and crisp texture make this an excellent choice for both baby leaf and full size heads. Heat tolerant with a similar texture to Jericho or Pirat. See baby leaf photo on page 56.

## 2596 **Parris Island Cos** 28 days baby, 55 full size

OP • IR: **LMV, TB** • Upright habit

**Fast-growing, multi-purpose lettuce for baby leaf or full size heads.** Baby leaves size up quickly for salad mixes while the upright, uniform grey-green heads have nicely savoyed leaves. Medium-slow to bolt. See baby leaf photo on page 56.

## 2559 **Winter Density** 28 days baby, 55 full size

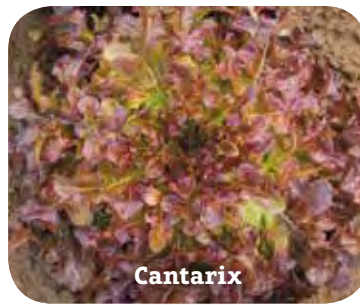
OP • Heat and frost tolerant • Reliable

**A lettuce for all seasons.** Tightly folded, dark green, round heads sit high on the stem for good airflow. Texture is a cross between butterhead and romaine with good flavor all seasons. Requires cool temperatures for germination. See baby leaf photo on page 56.

## 2587 **Jericho** 28 days baby, 57 full size

OP • IR: **DM, PM, TB / MT0-30** • Spring/summer crop • Field or greenhouse

**Bright green leaves, unique silky texture and sweet flavor even in the summer heat.** Good for indoor or outdoor cultivation with some tolerance to powdery mildew and downy mildew plus excellent resistance to heat stress and tip burn. See baby leaf photo on page 56.



Cantarix



Sandy



Salad Bowl



Tango



Encino



Rouge d'Hiver



Outredgeous



Freckles



Parris Island Cos



Winter Density



Jericho



Coastal Star



Green Towers

**2580 Coastal Star** 57 days full size

OP • PVP • IR: **CR / MT0-30** • Tall, sturdy heads

**Heat tolerant romaine for spring or late summer harvests.** Coastal Star is a dark green, tall romaine similar to Parris Island or Darkland Cos, but taller and darker. Sturdy heads with a firm rib down the center; great for packing in boxes. Available as raw and pelleted seed. *Limited availability*

**2586 Green Towers** 60 days full size

OP • **MT0-30** • Uniform stand • 10-12" tall

**The industry standard for high-quality, full-bodied heads.** Dependable, tall, dark green plants are ideal for market and wholesale growers who need consistent quality. Widely adapted and tolerant of corky root. Available as raw and pelleted seed.



Lovelock

**SUMMER CRISP**

**2544 Concept** 48 days full size

OP • Dark green and extra crisp

**A cross of a summer crisp with a romaine combines a dark green color with the open shape and bolt tolerance we need when the heat cranks up.** Has the crunch and flavor of romaine. In our trials, it was a clear standout both for flavor and appearance with everyone agreeing it was gorgeous – even after a full week of heat.

**2575 Lovelock** 48 days full size

OP • HR: **DM, LMV / MT0-30** • Full size heads

**Heat-tolerant whorls of bright green leaves with deep red coloring on the leaf margins.** Heads close in late at maturity, forming a dense, crisp head. Almost identical to Luana with better disease resistance and darker red tinge on the leaves. High Mowing is proud to be the exclusive producer of organic seed for this variety thanks to our partnership with Vitalis Organic Seeds. Available as raw and pelleted seed. A portion of the sales of this variety is paid to the breeder.



Concept



Magenta

**2564 Magenta** 48 days full size

OP • HR: **DM / IR: LMV / MT0-30** • Spring/summer plantings

**Summer crisp with crunchy bronze leaves and a bright green heart.** Our growers love this variety for its crisp texture, heat tolerance, strong disease resistance and long shelf life. Displayed impressive resistance in our trials during six weeks of constant rain. Available as raw and pelleted seed.

**2561 Nevada** 55 days full size

OP • IR: **DM, LMV / MT0-10** • Bolt tolerant

**Excellent summer variety forms large, open heads of thick, vibrant green leaves.** Glossy and beautifully ruffled leaves with a satisfying combination of crunchy texture and buttery smoothness. Summer crisp characteristics lend excellent bolt and tip burn resistance while maintaining good texture and flavor in summer heat.



Nevada



Kweik

**BUTTERHEAD / BIBB**

**2555 Kweik** 50 days full size

OP • IR: **DM, LD, TB** • Very disease resistant

**Fast-growing, lime green heads suited to cool seasons and unheated hoopouses.** Large, tender leaves head up quickly for foolproof performance in cold weather. Exhibits strong field resistance to downy mildew, tip burn and sclerotinia stem rot; very reliable.

**2578 Mirlo** 50 days full size

OP • UP • HR: **APH, DM (I-9), TBSV / IR: LMV / MT0-30**

**Very large, pale-green butterhead with luxurious appearance and excellent disease resistance.** Broad heads packed with tender, buttery leaves have an especially soft and cloud-kissed look. Well-filled, dense heart and relatively early for its size. Strong internal tip burn resistance. Our favorite among all the varieties in our extensive butterhead trials. From our partners at Vitalis Organic Seeds. Available as raw and pelleted seed.



Mirlo



Alkindus

**2579 Alkindus** 52 days full size

OP • HR: **DM (I-9), TBSV / IR: LMV / MT0-30** • All season lettuce

**Uniform red butterhead with thick, slightly ruffled Cabernet colored leaves.** Dark red outer leaves with a beautiful bright green heart. The leaves are shiny, dense, and durable, making them resistant to damage during washing and handling. High resistance to downy mildew and red aphids. Plants keep well in the field throughout the season and do not get bitter with heat.

**2562 Optima** 52 days full size

OP • IR: **BR, DM, LMV, TB / MT0-10** • Nancy-type • Uniform stand

**Large, dark green butterhead for spring production.** Optima is thick-leaved, consistently producing perfect, dense heads. Its velvety texture and buttery flavor are sure to be a hit in every salad. Shows field resistance to downy mildew, lettuce mosaic virus and bolting. *Unavailable in 2022*



Optima



Pirat

**2597 Pirat** 55 days full size

HEIRLOOM • IR: **BR, DM, LD, TB, WM** • Heat tolerant

**Tender heads with notably superior flavor and texture, blanched hearts and red-tinged outer leaves.** Bested every other variety for taste and texture in our lettuce trials and also rates as one of the best butterheads in combined resistances.



2566 **Roxy** 60 days full size

OP • HR: **DM (1-9) / MTO-30** • Spring crop • Holds well

**High-quality butterhead with glossy red outer leaves and a big, bright green heart.**

Roxy is a standard organic variety in Europe and the U.S. Holds very well in the field and has good resistance to tip burn. From our partners at Vitalis Organic Seeds. Available as raw and pelleted seed.

## ICEBERG

2545 **Crispino** 57 days full size

OP • Classic iceberg • Widely adaptable

**A uniform, unfussy variety for those who don't live in ideal iceberg country.**

Crispino has done extremely well in our trials for two years running, with dependably high yields of sweet, tight, white-hearted heads amidst dark green outer leaves. It holds up in the field and keeps well in the cooler.

2549 **Saladin** 62 days full size

OP • HR: **DM (1, 2, 5-7)** • Iceberg-type • Bolt resistant • Spring/summer planting

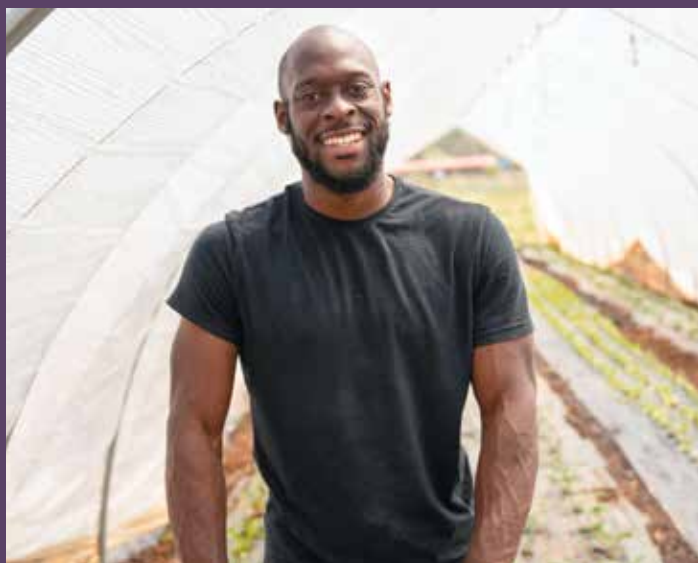
**Thick, crispy leaves that are sweet and refreshing, offering a classic iceberg taste.**

Large, tightly wrapped heads of flavorful leaves, ideal for the perfect wedge salad. Glossy, dark green leaves are tender at the leaf margin and thicken towards the root. Excellent field holding quality and extended cooler shelf life post-harvest. From De Bolster Organic Seeds.



# Sankofa FARMS

*Kamal Bell of Sankofa Farms, an educational farm in Cedar Grove, North Carolina*



**K**amal Bell started Sankofa Farms in 2016. The purpose of starting the farm was to provide a better food source for people in Durham and Orange County, North Carolina who live in food deserts. Through trying to address that issue, Kamal saw the importance of bringing agricultural education to his community. The team at Sankofa decided to start a program to educate youth about the possibilities that exist in agriculture. They saw this as a more long-term approach to addressing food deserts and the issues that create them, as well as the issues they perpetuate.

Sankofa Farm and Agricultural Academy is made up of multiple components including sustainable vegetable production, egg layers, value added goods, and an apiary. “Our beekeeping journey started around 2017. Our student, Cameron Jackson, suggested that we get bees and at that time, I was terrified. Even so, he mentioned that having the honeybees would keep him engaged at the farm, so I literally thought, “if bees will keep him engaged on the farm, we’re gonna get bees.””

Kamal attended a local beekeeping training to learn more about what seemed like a niche agricultural trade. At his first day in the training, he noticed that there weren’t many Black people in the class. Realizing that beekeeping and other specialized agricultural vocations were not often advertised as options to people in his community, he felt called to bring these skills to his students. “At that time, they had scholarships they gave out to students that typically wouldn’t have the opportunity to get acquainted with beekeeping. From that conversation, 6 of our students ended up getting certified as beekeepers.”

Alongside the beekeeping at Sankofa Farms, students also produce crops. The market garden at the farm provides students with other valuable life lessons. “I think one of the biggest things students learn from growing vegetables on the farm is the financial piece. You have inputs like time, labor, compost, and seeds—all of these inputs are wrapped up in the production of plants. The students are able to see all of these inputs going in and then learn about setting a price point and I think that is an important life skill and it definitely captures their interest, too.”

Kamal’s students, like all of today’s youth, are aware of the uncertainties associated with our changing climate. For Kamal, there is hope in the work of each of his students and help to be found on local farms as we look to the future. “We talk about climate change and many other topics with the kids. The farm is a great place for us to put these things into perspective. When we talk about how climate change is going to affect our community, we can show them how farms like ours can be of service.”

Even so, climate change does not impact every community equally. Kamal knows just how important it is for his students to develop the skills offered at Sankofa Farms so that they may provide for their communities in the future. “Our students are going to be the ones that need to propose a new way of thinking for our community going forward. We know how these conversations generally work in the world today; our community, and communities like ours, are not typically invited into spaces to have them. Naturally, people are drawn in to the work of our students and ask them about farming and beekeeping. I don’t feel like I have to say to them that they have to get involved in the environmental justice movement, they just do the work and it speaks for itself.”

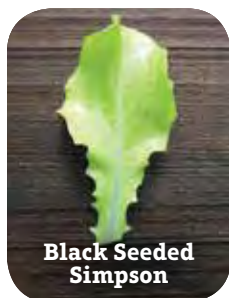
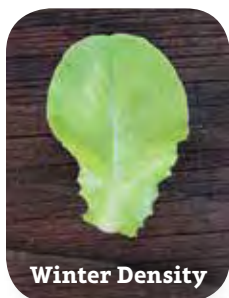
# Babyleaf Varieties

VARIETY	TYPE	DAYS TO MATURITY	DISEASE RESISTANCES (HR/IR)
2574 <b>Defender</b>	Romaine	28 days	HR: <b>DM</b>
2596 <b>Parris Island Cos</b>	Romaine	28 days	IR: <b>LMV, TB</b>
2587 <b>Jericho</b>	Romaine	28 days	IR: <b>DM, PM, TB / MT0-10</b>
2559 <b>Winter Density</b>	Romaine	28 days	No known resistances
2550 <b>Black Seeded Simpson</b>	Green Leaf	28 days	IR: <b>DM, LD, TB</b>
2563 <b>Waldmann's</b>	Green Leaf	28 days	IR: <b>TB / MT0-10</b>
2551 <b>Green Star</b>	Green Leaf	30 days	IR: <b>DM / MT0-10</b>
2547 <b>Celinet</b> - Limited availability	UP • Green Leaf	28 days	HR: <b>APH, DM (1-9), TBSV</b> / IR: <b>LMV / MT0-30</b>
2558 <b>Tango</b>	Oak Leaf	32 days	No known resistances
2605 <b>Salad Bowl</b>	Oak Leaf	28 days	No known resistances
2540 <b>Sandy</b>	Oak Leaf	21 days	IR: <b>TB</b>
2543 <b>Freckles</b>	Romaine	28 days	No known resistances
2598 <b>Red Oak Leaf</b>	Oak Leaf	30 days	IR: <b>DM, LD, TB</b>
2599 <b>Red Salad Bowl</b>	Oak Leaf	28 days	IR: <b>TB</b>
2590 <b>Dark Lollo Rossa</b>	Red Leaf	30 days	No known resistances
2593 <b>Galactic</b>	Red Leaf	30 days	IR: <b>DM (1-6) / MT0-10</b>
2592 <b>Outredgeous</b>	OSSI • Romaine	30 days	<b>MT0-10</b>
2600 <b>Rouge d'Hiver</b>	Romaine	28 days	IR: <b>LD, TB</b>

Find pricing details on page 57.

GREEN BABY LEAF

RED BABY LEAF



PELLETED LETTUCE SEED - SOLD BY SEED COUNT		100	1 M	5 M	25 M	50 M	100 M	500 M*
<b>new</b> 2560P Bauer Pelleted		\$ 5.25	\$ 20.95	\$ 14.20/M	\$ 12.64/M	\$ 10.30/M	\$ 9.15/M	\$ 7.83/M
2582P Bellevue Pelleted		\$ 6.10	\$ 12.70	\$ 10.60/M	\$ 9.12/M	\$ 7.74/M	\$ 6.89/M	\$ 6.68/M
2614P Brentwood Pelleted		\$ 4.20	\$ 10.85	\$ 8.69/M	\$ 7.84/M	\$ 6.89/M	\$ 6.31/M	\$ 6.15/M
2611P Buckley Pelleted - <i>Limited availability</i>		\$ 4.20	\$ 10.85	\$ 8.69/M	\$ 7.84/M	\$ 6.89/M	\$ 6.31/M	\$ 6.15/M
2619P Burgandy Pelleted		\$ 4.20	\$ 10.85	\$ 8.69/M	\$ 7.84/M	\$ 6.89/M	\$ 6.31/M	\$ 6.15/M
2580P Coastal Star Pelleted		\$ 3.25	\$ 9.00	\$ 5.94/M	\$ 5.51/M	\$ 4.56/M	\$ 4.29/M	\$ 3.77/M
2627P Encino Pelleted		\$ 6.10	\$ 12.70	\$ 8.00/M	\$ 6.96/M	\$ 6.50/M	\$ 5.83/M	\$ 4.98/M
<b>new</b> 2589P Ezflor Pelleted		\$ 4.20	\$ 10.85	\$ 8.69/M	\$ 7.84/M	\$ 6.89/M	\$ 6.31/M	\$ 6.15/M
<b>new</b> 2622P Ezpark Pelleted		\$ 4.20	\$ 10.85	\$ 8.69/M	\$ 7.84/M	\$ 6.89/M	\$ 6.31/M	\$ 6.15/M
2613P Ezrilla Pelleted		\$ 4.20	\$ 10.85	\$ 8.69/M	\$ 7.84/M	\$ 6.89/M	\$ 6.31/M	\$ 6.15/M
2586P Green Towers Pelleted		\$ 3.25	\$ 4.25	\$ 3.18/M	\$ 2.33/M	\$ 2.01/M	\$ 1.80/M	\$ 1.52/M
2612P Hampton Pelleted		\$ 4.20	\$ 10.85	\$ 8.69/M	\$ 7.84/M	\$ 6.89/M	\$ 6.31/M	\$ 6.15/M
2575P Lovelock Pelleted		\$ 6.10	\$ 12.70	\$ 10.18/M	\$ 8.48/M	\$ 7.42/M	\$ 5.83/M	\$ 4.98/M
2564P Magenta Pelleted		\$ 3.25	\$ 6.25	\$ 5.00/M	\$ 3.80/M	\$ 3.10/M	\$ 2.35/M	\$ 1.59/M
<b>new</b> 2578P Mirlo Pelleted		\$ 7.15	\$ 21.20	\$ 10.60/M	\$ 9.12/M	\$ 8.37/M	\$ 7.95/M	\$ 7.42/M
<b>new</b> 2595P Muir Pelleted		\$ 5.25	\$ 20.95	\$ 10.40/M	\$ 9.40/M	\$ 8.50/M	\$ 7.84/M	\$ 7.30/M
2576P Newham Pelleted		\$ 3.25	\$ 5.30	\$ 3.60/M	\$ 2.59/M	\$ 2.01/M	\$ 1.70/M	\$ 1.52/M
2594P New Red Fire Pelleted		\$ 3.25	\$ 5.30	\$ 3.60/M	\$ 2.59/M	\$ 2.01/M	\$ 1.70/M	\$ 1.52/M
2569P Pomegranate Crunch Pelleted		\$ 6.10	\$ 10.85	\$ 8.69/M	\$ 7.84/M	\$ 6.89/M	\$ 6.31/M	\$ 5.70/M
<b>new</b> 2621P Rhone Pelleted		\$ 4.20	\$ 10.85	\$ 8.69/M	\$ 7.84/M	\$ 6.89/M	\$ 6.31/M	\$ 6.15/M
2566P Roxy Pelleted		\$ 6.55	\$ 15.05	\$ 12.30/M	\$ 10.60/M	\$ 9.01/M	\$ 7.58/M	\$ 6.78/M
2581P Spretnak Pelleted		\$ 6.55	\$ 14.05	\$ 11.24/M	\$ 10.52/M	\$ 8.86/M	\$ 6.36/M	\$ 5.30/M
<b>new</b> 2629P Tropicana Pelleted		\$ 4.20	\$ 10.85	\$ 5.99/M	\$ 4.60/M	\$ 4.40/M	\$ 4.29/M	\$ 3.90/M
2626P Truchas Pelleted		\$ 6.55	\$ 14.05	\$ 11.24/M	\$ 10.52/M	\$ 8.86/M	\$ 7.50/M	\$ 6.50/M
2568P Xalbadora Pelleted		\$ 7.40	\$ 19.00	\$ 11.20/M	\$ 9.40/M	\$ 9.10/M	\$ 8.55/M	\$ 8.11/M

RAW LETTUCE SEED - SOLD BY SEED WEIGHT		FULL/BABY/BOTH	1/32 oz	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb
2550 Black Seeded Simpson		BOTH	\$ 3.25	\$ 5.30	\$ 8.50	\$ 18.00	\$ 48.00	\$ 83.00	\$ 71.00/lb
2544 Concept		FULL	\$ 3.25	\$ 8.50	\$ 23.30	\$ 53.00	\$ 159.00	\$ 265.00	\$ 232.20/lb
2545 Crispino		FULL	\$ 3.25	\$ 7.40	\$ 21.20	\$ 64.00	\$ 210.00	\$ 350.00	\$ 300.00/lb
2590 Dark Lollo Rossa		BOTH	\$ 3.25	\$ 5.85	\$ 9.80	\$ 29.70	\$ 80.55	\$ 143.10	\$ 137.80/lb
2574 Defender		BABY	\$ 3.25	\$ 7.55	\$ 11.65	\$ 38.15	\$ 111.30	\$ 188.70	\$ 162.18/lb
2543 Freckles		BOTH	\$ 3.25	\$ 8.25	\$ 12.70	\$ 24.40	\$ 67.85	\$ 110.25	\$ 95.40/lb
2551 Green Star		BOTH	\$ 3.25	\$ 6.65	\$ 14.85	\$ 38.15	\$ 85.85	\$ 132.50	\$ 102.82/lb
2587 Jericho		BOTH	\$ 3.25	\$ 5.10	\$ 11.15	\$ 28.10	\$ 79.50	\$ 143.10	\$ 136.21/lb
2555 Kweik		FULL	\$ 3.25	\$ 8.50	\$ 24.40	\$ 48.75	\$ 164.30		
2592 Outrageous		BOTH	\$ 3.25	\$ 5.40	\$ 10.60	\$ 38.15	\$ 100.70	\$ 174.90	\$ 164.30/lb
2596 Parris Island Cos		BOTH	\$ 3.25	\$ 5.30	\$ 7.00	\$ 17.00	\$ 46.00	\$ 78.00	\$ 65.00/lb
2597 Pirat		FULL	\$ 3.25	\$ 7.05	\$ 12.70	\$ 37.10	\$ 116.60	\$ 212.00	
2598 Red Oak Leaf		BOTH	\$ 3.25	\$ 5.00	\$ 7.95	\$ 19.00	\$ 49.00	\$ 75.00	\$ 59.00/lb
2599 Red Salad Bowl		BOTH	\$ 3.25	\$ 5.25	\$ 8.25	\$ 21.00	\$ 47.00	\$ 72.00	\$ 61.00/lb
2600 Rouge D'Hiver		BOTH	\$ 3.25	\$ 6.35	\$ 10.00	\$ 21.00	\$ 50.00	\$ 83.00	\$ 73.00/lb
2605 Salad Bowl		BOTH	\$ 3.25	\$ 5.30	\$ 8.50	\$ 18.00	\$ 48.00	\$ 83.00	\$ 71.00/lb
2540 Sandy		BOTH	\$ 3.25	\$ 5.30	\$ 8.50	\$ 18.00	\$ 48.00	\$ 83.00	\$ 71.00/lb
2558 Tango		BOTH	\$ 3.25	\$ 4.90	\$ 7.70	\$ 22.25	\$ 61.50	\$ 116.60	\$ 95.40/lb
2608 Vulcan		FULL	\$ 3.25	\$ 5.90	\$ 12.70	\$ 31.80	\$ 89.20	\$ 154.75	\$ 130.38/lb
2563 Waldmann's - <i>Limited availability</i>		BOTH	\$ 3.25	\$ 5.40	\$ 10.85	\$ 27.05	\$ 72.60	\$ 124.00	\$ 108.12/lb
2559 Winter Density		BOTH	\$ 3.25	\$ 8.55	\$ 13.25	\$ 28.60	\$ 67.45	\$ 111.30	\$ 96.46/lb

RAW LETTUCE SEED - SOLD BY SEED COUNT		FULL/BABY/BOTH	500	5 M	25 M	50 M	100 M	500 M
2579 Alkindus		FULL	\$ 5.70	\$ 8.90/M	\$ 7.84/M	\$ 7.10/M	\$ 6.78/M	\$ 6.36/M
2548 Cantarix - <i>Limited availability</i>		FULL	\$ 8.50	\$ 10.39/M	\$ 9.24/M	\$ 8.37/M	\$ 8.32/M	\$ 7.84/M
2547 Celinet - <i>Limited availability</i>		BABY	\$ 3.25	\$ 1.75/M	\$ 1.23/M	\$ 0.95/M	\$ 0.90/M	\$ 0.80/M
2580 Coastal Star - <i>Limited availability</i>		FULL	\$ 5.55	\$ 4.80/M	\$ 4.60/M	\$ 4.30/M	\$ 3.75/M	\$ 3.41/M
2627 Encino		FULL	\$ 5.30	\$ 5.76/M	\$ 5.70/M	\$ 5.16/M	\$ 4.35/M	\$ 3.82/M
2593 Galactic		BABY	\$ 3.25	\$ 0.85/M	\$ 0.64/M	\$ 0.49/M	\$ 0.40/M	\$ 0.32/M
2586 Green Towers		FULL	\$ 3.25	\$ 0.95/M	\$ 0.69/M	\$ 0.60/M	\$ 0.52/M	\$ 0.43/M
2575 Lovelock		FULL	\$ 4.25	\$ 7.42/M	\$ 5.30/M	\$ 4.24/M	\$ 3.98/M	\$ 3.18/M
2564 Magenta		FULL	\$ 3.25	\$ 1.86/M	\$ 1.48/M	\$ 1.39/M	\$ 1.21/M	\$ 1.11/M
2578 Mirlo		FULL	\$ 6.30	\$ 9.00/M	\$ 7.80/M	\$ 6.70/M	\$ 6.25/M	\$ 5.99/M
2561 Nevada		FULL	\$ 3.25	\$ 1.86/M	\$ 1.48/M	\$ 1.39/M	\$ 1.21/M	\$ 1.11/M
2594 New Red Fire		FULL	\$ 3.25	\$ 1.20/M	\$ 0.87/M	\$ 0.76/M	\$ 0.54/M	\$ 0.49/M
2562 Optima - <i>Unavailable in 2022</i>		FULL	\$ 3.25	\$ 1.27/M	\$ 0.95/M	\$ 0.85/M	\$ 0.64/M	\$ 0.53/M
2577 Red Mist - <i>Limited availability</i>		FULL	\$ 5.30	\$ 8.48/M	\$ 7.42/M	\$ 5.83/M	\$ 4.35/M	\$ 3.82/M
2566 Roxy		FULL	\$ 7.40	\$ 9.96/M	\$ 7.34/M	\$ 6.89/M	\$ 6.41/M	\$ 5.94/M
2549 Saladin		FULL	\$ 3.25	\$ 1.27/M	\$ 1.06/M	\$ 0.91/M	\$ 0.80/M	\$ 0.74/M
2629 Tropicana		FULL	\$ 5.55	\$ 4.45/M	\$ 3.82/M	\$ 3.60/M	\$ 3.45/M	\$ 3.19/M
2567 Two Star - <i>Limited availability</i>		FULL	\$ 3.25	\$ 1.95/M	\$ 1.62/M	\$ 1.41/M	\$ 1.19/M	\$ 1.03/M

Larger volumes available; please call for pricing. \*For 500 M pelleted seed, add \$14.

Your Source for 100% Certified Organic, Non-GMO Project Verified Seeds

LETTUCE

# Melons

*Cucumis melo*

MELONS



**CULTURAL INFO:** Days to maturity are from transplants; add 10-14 days if direct seeding. Melons are warm-season tender annuals that require fertile soils with lots of organic matter, moisture and full sun. Direct seed 1-2 weeks after last frost date or sow seed indoors 4 weeks before planting date. Optimal soil temperature for germination is 75-85°F. Harden off by reducing temperature and water. Plant outdoors when all danger of frost has passed. Plastic mulch and floating row cover are useful in cool climates. Harvesting melons can be tricky. In general: Muskmelons slip from the vine; Charentais can be cut at half or full slip; Galias slip from the vine and turn bright yellow. Ripe melons usually keep up to four weeks in cold storage.

**DISEASE & PESTS:** Prevent disease and recurrent pest pressure with crop rotation and cover cropping. Melons are particularly susceptible to leaf blight; use disease-free seed, crop rotations and fungicidal sprays. Always check with your certifier before applying any broad spectrum organic controls. Fruit rots such as anthracnose, scab and fusarium rot are common under wet conditions. Provide adequate airflow by giving plants wide spacing. Avoid wetting the foliage by watering with drip irrigation and watering early in the day so the leaves have a chance to dry out. Powdery mildew

can be avoided by providing good air circulation; give plants wide spacing, eliminate weeds, and select resistant varieties. Bacterial wilt and cucumber mosaic virus should be controlled by removing and destroying infected plants. Striped cucumber beetles cause feeding damage to the leaves and larvae feed on roots. They often transmit bacterial wilt season to season. Row cover can provide protection, but must be removed during flowering to allow pollination. Practice crop rotation and good sanitation habits to eliminate the risk of pests overwintering.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **CA-Cotton Aphid**, **FW-Fusarium Wilt (races indicated if known)**, **PM-Powdery Mildew (races indicated if known)**

**SEED SPECS:** 1-1.25M (1.12M avg) seeds/oz, 16-20M (18M avg) seeds/lb. M=1,000. **1/32 oz approx. 35 seeds.** Direct seeding rate: 3 seeds every 18", thin to 1 plant in rows 5-6' apart. Transplants: 24-30" apart in rows 5-6' apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.



**First Kiss F1**



**Divergent F1**



**PMR Delicious 51**



**True Love F1**



**Sivan F1**

## CANTALOUPE

**2633 First Kiss F1** 71 days

HYBRID • **H MOS EXCLUSIVE** • HR: **FW (2), PM (1&2)** • 1-2 lb

**Taste-test-winning, early melon with firm, sweet flesh.** Our earliest melons with a beautiful, orange-tinted, netted rind and impressive disease resistance. The melons are full slip, which allows for easy ripeness detection. Bred by Dr. Brent Loy at the University of New Hampshire, this variety is the perfect partner to True Love F1, which is slightly later and larger, extending the melon harvesting season. A portion of sales is paid to the breeder. *Limited availability in 2022*

**2647 Divergent F1** 74 days

HYBRID • HR: **FW (0, 1, 2)** / IR: **CA, PM (1, 2, 5)** • Widely adaptable • 2.5-3 lbs

**Divergent F1 rarely diverges from delicious.** This stunning melon that's part cantaloupe and part galia is reliably sweet, with a Brix range of 15-18°. Vigorous and quick to mature, Divergent F1 ripens well ahead of much of its size class with strong yields of medium, round fruit. The outside appearance is more of a galia, with a low netting and almost no rib. Watch closely so as not to miss the harvest; it ripens uniformly and is ready when background color is half green and half gold. Plant successions to extend the season. From Vitalis Organic Seeds.

**2630 PMR Delicious 51** 75 days

OP • HR: **FW (1), PM** • Eastern type • 2-3 lbs

**Reliably early melon, ripening quickly for heavy yields of aromatic fruit.** Juicy, perfectly sweet flesh is dark orange with creamy texture and strong flavor. Thinner skin than hybrids but holds well for market and in storage. Excellent resistance to powdery mildew and well adapted for northern growers. Harvest at full slip. Bred by Dr. Henry Munger at Cornell University. A portion of sales is paid to the breeder.

**2635 True Love F1** 76 days

HYBRID • HR: **FW (2), PM (1&2)** • 2-3 lb

**High-sugar melon with near-perfect texture designed to complement its sister variety, First Kiss F1.** A testament to our trials process, this melon is the perfect complement to First Kiss F1 as it is full slip, slightly later and larger, and can be planted as a second succession for continual melon harvest. The aromatic sweetness of this melon evokes the feelings of true love, and this show stopping cultivar comes to us from Dr. Brent Loy at the University of New Hampshire. A portion of the sales of this variety is paid to the breeder.

## SPECIALTY

**2655 Sivan F1** 82 days

HYBRID • IR: **FW, PM** • Charentais-type • 1.5-2 lbs

**Reliable, small, round melons with superior sugary, deep-orange flesh.** A huge hit in our trials every year. Smooth, heavily netted melons with very sweet fine-grained flesh. Excellent for market, wholesale or the garden. Harvest at half-slip and ripen for three days at 70°F, then chill. Excellent powdery mildew resistance. A favorite from Genesis Seeds.

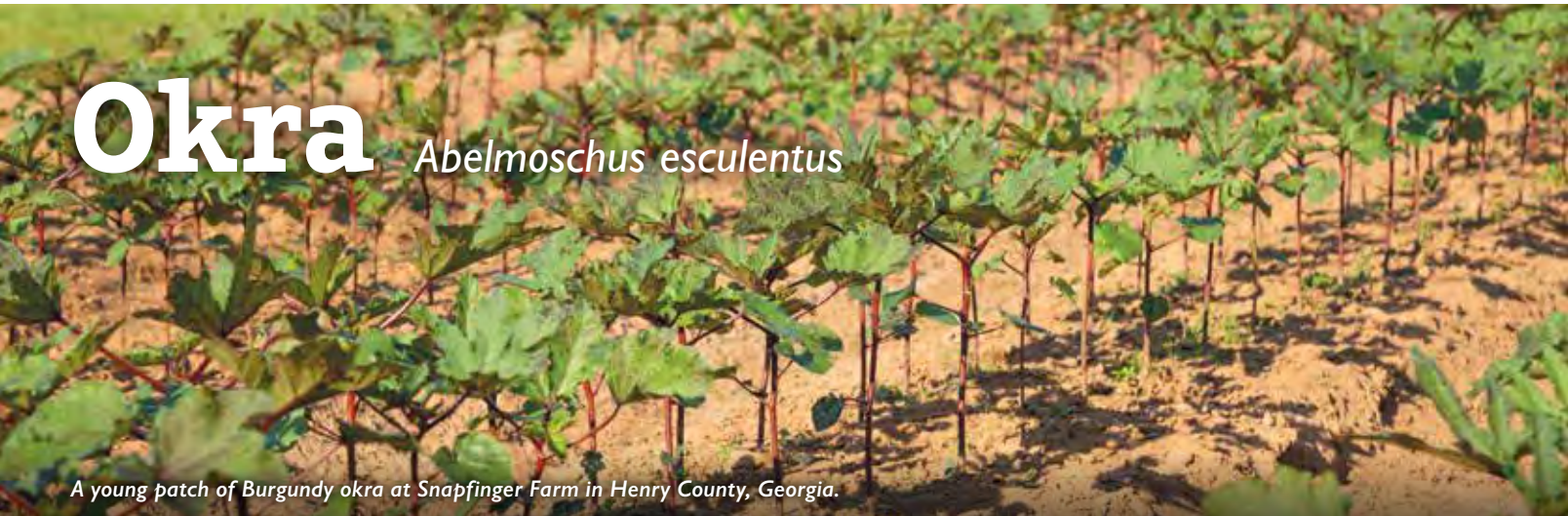
**MELON SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT**

	1/32 oz	1/4 oz	1 oz	1/4 lb	1 lb	5 lb
2630 PMR Delicious F1	\$ 3.25	\$ 8.00	\$ 15.00	\$ 35.00	\$ 115.00	\$ 87.00/lb

**MELON SEED - HYBRID - SOLD BY SEED COUNT**

	10	50	250	1 M	5 M	25 M
2647 Divergent F1	\$ 7.35	\$ 16.95	\$ 59.35	\$ 206.70	\$ 183.38/M	\$ 169.60/M
2633 First Kiss F1 - Limited availability in 2022	\$ 6.90	\$ 16.95	\$ 62.55	\$ 169.60	\$ 116.60/M	\$ 108.12/M
2655 Sivan F1	\$ 3.25	\$ 9.55	\$ 23.30	\$ 58.30	\$ 53.00/M	\$ 44.52/M
2635 True Love F1	\$ 6.90	\$ 16.95	\$ 62.55	\$ 169.60	\$ 116.60/M	\$ 108.12/M

Larger volumes available; please call for pricing.



# Okra *Abelmoschus esculentus*

A young patch of Burgundy okra at Snapfinger Farm in Henry County, Georgia.

**CULTURAL INFO:** Days to maturity are from transplant. Okra is a warm-season annual. It prefers rich soils that are well drained. Plants are fairly drought and heat tolerant. Start seedlings indoors 4-6 weeks before planting date. Optimal germination temperature is 80-90°F. Transplant after danger of frost has passed. Pollination may be poor when temperatures fluctuate above 90°F or below 55°F. Pick fruits at 3-4" long and when they snap from the plant. Store at 45-50°F with a relative humidity of 85-95%.

**DISEASE & PESTS:** Diseases are best avoided by crop rotations and adequate spacing to promote plant dryness; avoid working in fields when wet. Fusarium wilt (*Fusarium*

*oxysporum*) and Verticillium wilt (*Verticillium albo-atrum*) are the most common diseases that affect okra. Powdery mildew, Cercospora leaf spot and other common fungal diseases can infect stems, leaves and pods. Okra is very susceptible to root knot nematodes. Don't plant in areas where nematode pressure is high. Major insect pests include whiteflies, aphids and corn earworm.

**SEED SPECS:** 400-500 (450 avg) seeds/oz, 6.5-8M (7.3M avg) seeds/lb. M=1,000.

**1/16 oz approx. 30 seeds.** Direct seeding rate: 3 seeds every 12-18", thin to 1 plant in rows 36" apart. Transplants: 12-18" apart in rows 36" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## 2668 Clemson Spineless 80 55 days

OP • Productive • 3-4" pods

**Very productive variety with early, bright green pods.** This new and improved version of the tried-and-true Clemson Spineless variety offers up pain-free picking and earlier production. The plants yield more than the previous incarnation and plants have a taller, more open habit. Harvest young for peak tenderness.

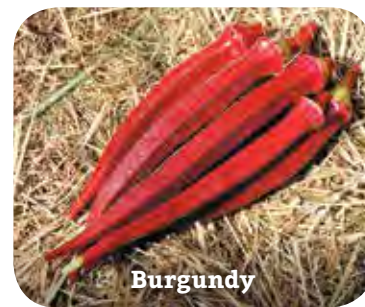
## 2667 Burgundy 65 days

OP • Ornamental and edible • 6-8" pods

**High-yielding plants with beautiful, red pods that stay tender as they gain in size.** This striking red stemmed, green-leaved plant is highly productive and has performed well in our hoophouse trials in Northern Vermont. The gorgeous, cream-colored flowers are edible, and pods left on the plant to dry make great additions to floral arrangements.



Clemson Spineless 80



Burgundy

**OKRA SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT**

	1/16 oz	1 oz	1/4 lb	1 lb	5 lb
2667 Burgundy	\$ 3.25	\$ 3.75	\$ 11.40	\$ 20.15	\$ 16.32/lb
2668 Clemson Spineless 80	\$ 3.25	\$ 3.75	\$ 11.40	\$ 20.15	\$ 16.32/lb

Larger volumes available; please call for pricing.

# Amber Onion

**A highly uniform, open pollinated onion that competes with the best of them.** Excellent, hard onion for long term storage.

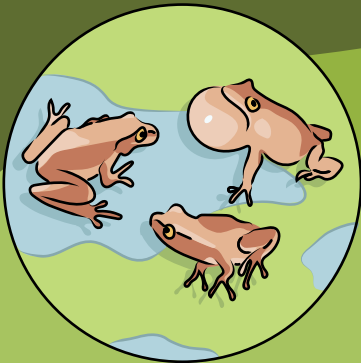
- Early maturing, long day 3-4" onions
- Clean onion tops with great plant vigor
- Uniform leaf drop for easy harvest



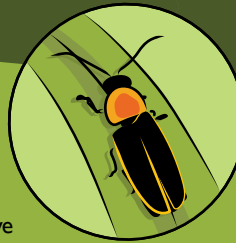
# We Are Beneficial

It can be easy to think of humans as being separate from the natural world and to see our environment as something we impact as opposed to belong to. The truth is, we are both the cause of environmental and social problems and the solution. There are many aspects of our modern world that contribute to extraction, exploitation and injustice; simultaneously our world is full of individuals, organizations and communities invested in their local habitats and the people who belong to them.

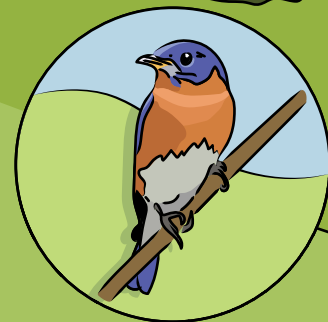
Root 5 Farm and farms like it are beneficial. Ben and Danielle not only provide for 400 families living in Fairlee, Vermont, but the farm itself creates crucial habitat for a diverse assortment of essential species. Through their work, they are not acting outside of nature, but entwining themselves and their livelihoods to it. What this creates is a community that is nourished by an equally nourished landscape. It goes to show that when we open ourselves to the thriving of others, we too can thrive.



**SPRING PEEPERS** are bioindicator species; their spring songs can serve as evidence of water quality. Spring peepers are small tree frogs and thrive in forests near clean water.



**FIREFLIES** are bioindicator species; and their presence in a landscape can serve as evidence of ecosystem health. Fireflies thrive in native grasses, healthy soils, and with limited artificial lighting. *Learn more on page 20.*

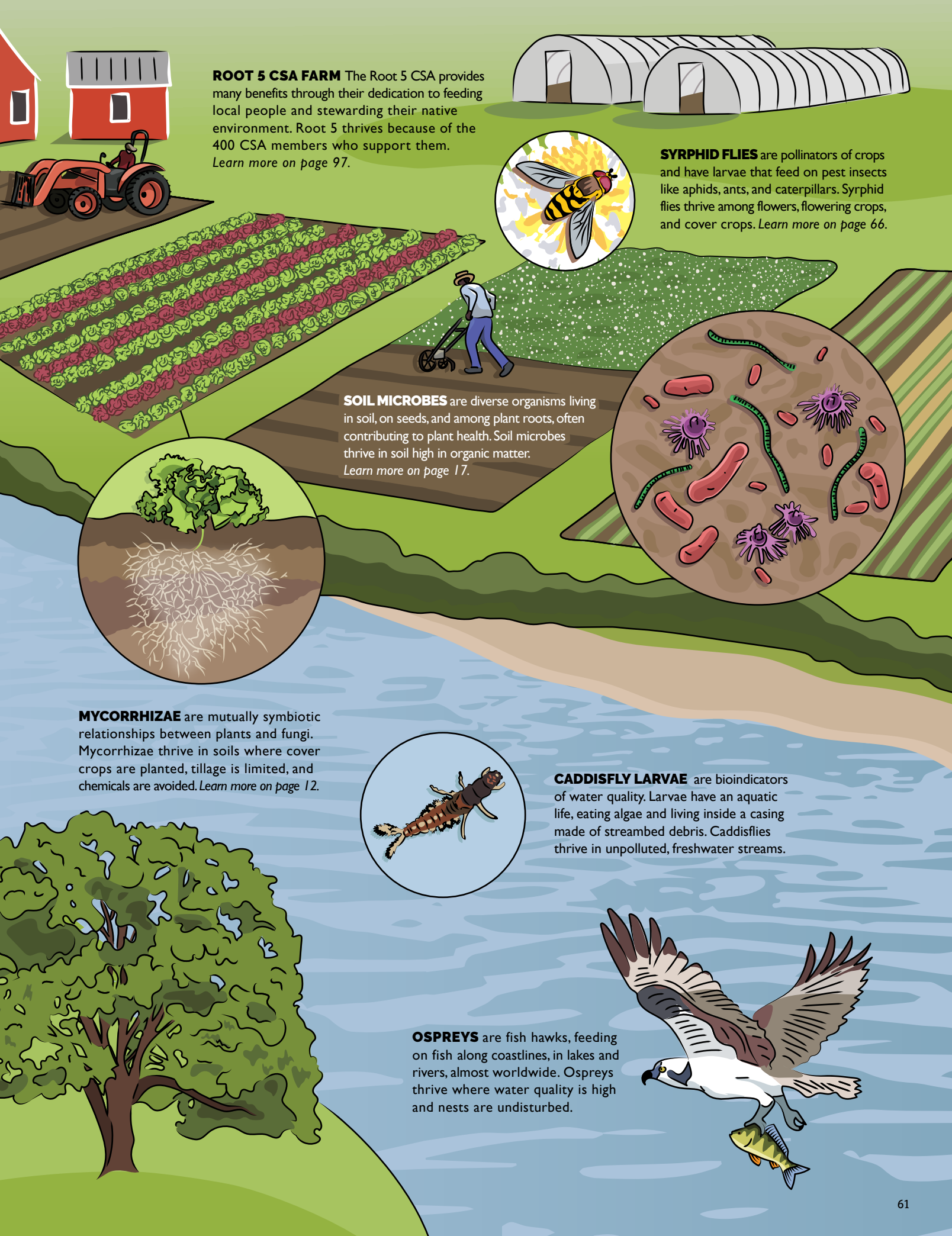


**BLUEBIRDS** are insectivores and eat many pest species including caterpillars, grasshoppers, moths, and beetles. Bluebirds thrive in manmade nesting boxes along farms, gardens, and meadows. *Learn more on page 102.*



**TRILLIUMS** are ephemeral wildflowers that grow in woodlands across North America and partner with ants for their seed dispersal. Trilliums thrive in healthy forest ecosystems.

**RED OAKS** grow up to 75' and yield acorns that serve as food for many species. Red Oaks thrive in variable conditions and help remediate soil pollution and compaction.



**ROOT 5 CSA FARM** The Root 5 CSA provides many benefits through their dedication to feeding local people and stewarding their native environment. Root 5 thrives because of the 400 CSA members who support them. *Learn more on page 97.*

**SYRPHID FLIES** are pollinators of crops and have larvae that feed on pest insects like aphids, ants, and caterpillars. Syrphid flies thrive among flowers, flowering crops, and cover crops. *Learn more on page 66.*

**SOIL MICROBES** are diverse organisms living in soil, on seeds, and among plant roots, often contributing to plant health. Soil microbes thrive in soil high in organic matter. *Learn more on page 17.*

**MYCORRHIZAE** are mutually symbiotic relationships between plants and fungi. Mycorrhizae thrive in soils where cover crops are planted, tillage is limited, and chemicals are avoided. *Learn more on page 12.*

**CADDISFLY LARVAE** are bioindicators of water quality. Larvae have an aquatic life, eating algae and living inside a casing made of streambed debris. Caddisflies thrive in unpolluted, freshwater streams.

**OSPREYS** are fish hawks, feeding on fish along coastlines, in lakes and rivers, almost worldwide. Ospreys thrive where water quality is high and nests are undisturbed.



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ITEM NUMBER	ITEM NAME	SIZE	QUANTITY	PRICE EACH	Total price for item (quantity x price each)

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# Onions

*Allium cepa*



Daniel, Carson, farm owner Rahul, Amy and Jake stand with their bountiful harvest of curing onions at Snapfinger Farm in Stockbridge, Georgia.

**CULTURAL INFO:** Days to maturity are from direct seeding, subtract 1-2 weeks if transplanting. Onions are cool-season biennials dependent on day length for bulb formation. Short day onions start forming bulbs with 11-12 hours of daylight, long day onions need 14-16 hours, intermediate day onions fall in between. Start transplants indoors 8-12 weeks before last frost. Optimal soil temperature for germination is 75-85°F. When seedlings reach 5", trim to increase girth. Onions compete poorly with weeds and steady water is important. Sweet and red onions can be harvested after bulb development. Storage onions can be harvested after tops dry up and flop over. Pull bulbs from ground and cure for 3-5 days in the field if weather is dry or indoors for 2 weeks at 75-80°F and 80% relative humidity. Store at 33-35°F at 65-70% relative humidity.

**DISEASE & PESTS:** Botrytis leaf blight (*Botrytis squamosa* and *Botrytis cinerea*) develops as small lesions on the leaf. The fungus persists in the soil and on crop residues. Protectant organic

fungicides can be applied in advance when cool, wet conditions are expected. Purple blotch (*Alternaria porri* and *Alternaria alternata*) appears as elongated purple lesions that turn silvery over time. Best prevention methods are to practice good sanitation and crop rotation with non-host plants. Control measures are similar to those for Botrytis blight and downy mildew.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **BR-Basal Rot**, **DM-Downy Mildew**, **PR-Pink Root**

**SEED SPECS:** 6-8M (7M avg) seeds/oz, 95-125M (110M avg) seeds/lb. M=1,000. **1/64 oz approx. 100 seeds.** Direct seeding rate: 20 seeds/foot in a 2" band, thin to 1 plant every 3-4" in rows 12-18" apart. Transplants: Single plants or plugs of 2-3 plants every 6-8" in rows 12-18" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

ONIONS

## SWEET

### 2683 **Ailsa Craig** 105 days

HEIRLOOM • Long day • Large 5-6" bulbs

**Large Spanish onion with delicious, sweet flavor perfect for burgers and salads.** Huge bulbs are mild, sweet and firm with light golden skins. Small necks allow for longer storage than other Spanish-types; stores up to two months. Named for a perfectly round, solid rock island off the coast of Scotland.

### 2682 **Gladstone** 110 days

OP • IR: **PR** • Intermediate day • 4-5" bulbs

**A widely adapted, fresh market white onion for growers in the northern and middle regions of the country.** Dark green foliage, great for bunching. Medium to large bulbs resist greening and are mildly sweet with very firm flesh. Moderate storage potential; some susceptibility to smudge. From our partners at Bejo Seeds.

### 2680 **Walla Walla** 110 days

OP • Intermediate day • Large 6" bulbs

**The famous Walla Walla onion selected for increased uniformity and disease resistance.** Light brown skin and very mild, sweet white flesh. Improved variety produces large round bulbs, upright tops and necks that dry down well. Held out against disease far longer than other open-pollinated onions in our trials. Commercial growers outside the Walla Walla Valley, please visit [sweetonions.org/marketing-order](http://sweetonions.org/marketing-order) for more information.

### 2702 **Valencia** 115 days

OP • Day neutral • 4" bulbs

**Versatile, day-neutral sweet Spanish onion for all regions.** Mild to sweet flavor. Excellent for bunching when young or for fresh market sales of large bulbs with warm golden-brown skin. Stores moderately well.



Ailsa Craig



Gladstone



Walla Walla



Valencia

## YELLOW

### **new** 2710 **Amber** 96 days

OP • Long day • Early maturing • 3-4" bulbs

**Exceptionally uniform, open-pollinated yellow onion that is early maturing and has a gorgeous, globe shape.** Onion tops are clean and vigorous, making this an excellent variety for fresh sales. When plants mature, leaves drop uniformly, allowing for easy assessment of harvest timing. Bulb skins cure to a beautiful yellowish brown and onions remain firm in long term storage. An outstanding performer in our trials fields. From our partners at Sativa Seeds.

### 2703 **New York Early** 98 days

OP • Long to intermediate day • Stores well • 3-4" bulbs

**An early and dependable yellow onion selected to store until spring.** Medium sized round bulbs with attractive warm brown skin and white flesh mild enough to eat raw all winter. Milder and more tender than most yellow onions, but equally reliable in storage. Developed for direct seeding in the rich muck soils of Orange County, NY; further improved by Johnny's Selected Seeds. *Limited availability in 2022*



Amber



New York Early



Gabriella F1



Cortland F1



Sedona F1



Yankee F1



Calibra F1



Talon F1



Dakota Tears



Cabernet F1



Red Long of Florence



Cabernet F1

### 2691 **Gabriella F1** 100 days

HYBRID • Short day • Grano-type • 3-4.5" bulbs

**Fresh market globe onion for southern growers.** Large, uniform bulbs with attractive shape and light brown skin. High yields of very mild to sweet onions. A mid-season variety suited to southern growing regions; resists bolting. Good general intermediate resistances against leaf diseases. Not suited for long storage.

### 2684 **Cortland F1** 105 days

HYBRID • IR: **PR** • Long day • Stores well • 3-4" bulbs

**Thick copper skin, fine necks and uniform round shape; the standard for organic growers.** From the breeders of Copra F1 and Prince F1, Cortland F1 is considered an improvement based on its wider adaptability to many conditions and long storage life. This solid variety comes from our partners at Bejo Seeds.

### 2677 **Sedona F1** 108 days

HYBRID • IR: **PR** / IR: **BR** • Long day • Stores well • 3-4" bulbs

**Spanish globe variety produces large bulbs with attractive, rosy-brown skins.** A standout in our trials for several years, Sedona F1 is noted for high yields and long storage potential. This heat-tolerant variety also performs well in the Northeast.

### 2673 **Yankee F1** 108 days

HYBRID • IR: **DM** / IR: **PR** • Long day • Stores well • 3" bulbs

**Very productive storage variety with medium sized round bulbs.** Our first variety with strong resistance to downy mildew. Yield and excellent storage qualities similar to Copra F1. Dark brown skins and bulbs that remain hard and sound until spring. *Limited availability*

### 2675 **Calibra F1** 110 days

HYBRID • IR: **PR** • Long day • Stores well • 3-4" bulbs

**Spanish cross with sweet and mild flavor that sweetens in storage.** Round, hard globes with a slight shoulder, attractive reddish skins and thin necks that dry down well. Sweet like Candy F1 with less juiciness and smaller size more suitable for storage; superior quality and flavor in March in our storage trials.

### 2692 **Talon F1** 110 days

HYBRID • IR: **PR** • Long to intermediate day • Stores well • 3-4" bulbs

**Stunning, round, storage bulbs with pretty golden skin and a beautiful, clean, white interior.** Rock-hard globes are uniformly sized. Very impressive in our trials with a great stand and tops that remained as healthy as Yankee F1, which is noted for its downy mildew tolerance. From our partners at Bejo Seeds.

### 2678 **Dakota Tears** 112 days

OP • Long day • Bulbs up to 1 lb • Stores well • 3" bulbs

**Medium-sized, hard round bulbs with very attractive reddish/gold tinting.** Continuously selected for vigor, size, storability, disease and insect resistance. A great open-pollinated variety from breeder David Podoll, Dakota Tears was honored as one of *Organic Gardening* magazine's ten outstanding varieties in their 2010 trials.

## RED

### 2705 **Red Long of Florence** 70 days fresh

OP • Long day • Fresh bunching • 4-6" long bulbs

**Gorgeous bottle-shaped bulbs with brilliant red coloring.** Slender bulbs with healthy green tops make a stunning bunch. Days to maturity are from transplant and are for fresh harvest, as Red Long of Florence does not dry well in the field and will not store. Preferred by culinary enthusiasts for easy kitchen prep and long, uniform bulbs. Mild, sweet flavor is great for pickling and using raw in salads.

### 2689 **Cabernet F1** 105 days

HYBRID • Late intermediate day • Stores 2-4 months • 3-4" bulbs

**The earliest red onion in our trials with lovely, uniform burgundy bulbs.** Medium sized bulbs with very nice internal color plus a stroke of brilliance: stems flop down without crimping before maturity, allowing continued growth while preventing disease from reaching the bulb. Stores well, but is also beautiful bunched for fresh market sales. Widely adapted for both size and earliness.

## GROWER'S CHOICE

“ When talking to anyone about the **Cabernet F1 onions** from High Mowing, I find myself using words like gorgeous, amazing, and beautiful. These are a really stunning crop that is perfect for so many applications - they are delicious used raw when fresh, and caramelize like a dream for pizza night. I had a few CSA customers ask for the variety because they were so impressed with them, and a high-end pizza restaurant we wholesale to couldn't get enough either. I've never loved an onion more, and am excited to grow these again next year. **-Sarah of Evergreen Family Farm in Oregon** ”

## 2674 **Rossa di Milano** 110 days

OP • Long to intermediate day • Stores well • 4" bulbs

**Specialty onion with sweet flavor, good yield and long storage potential.** The moment we saw it in our trials, with high shoulders and shimmering pink skins, it stole our hearts. Broad onions with a rounded, tapering heart shape. Plants are very productive and store well. A standout open-pollinated variety.

## 2688 **Red Baron** 115 days

See description in the bunching onions/scallions section.

## 2681 **Red Carpet F1** 116 days

HYBRID • IR: **PR** • Long day • Great storage • 3-4" bulbs

**Magnificent magenta interior rings make this an especially gorgeous red onion.** Tight bulbs that store extremely well with the excellent color on the interior layers unique to our partners at Bejo Seeds. Red Carpet F1 is 2-3 days earlier than Red Wing F1 while maintaining 98% the same size, with a more rounded shoulder.



Rossa di Milano



Red Baron

### CIPOLLINI

## 2671 **Yellow Cipollini** 80 days

OP • Long day • Stores 2-3 months • 3-4" bulbs

**Flattened yellow onion with great flavor.** Exceptionally strong flavor that sweetens with cooking. Great for grilling, roasting and pickling. Small bulbs won't store for more than a few months but are so delicious that you won't need them to. *Unavailable in 2022*

## 2685 **Red Geneva** 105 days

OP • Long day • Stores 4-5 months • 2.5-3.5" bulbs

**An attractive, red Cipollini-type with excellent flavor.** Flattened bulbs pair well with Yellow Cipollini. Slower to mature than yellow varieties, but with similar shape and size. Stores longer than Yellow Cipollini. Excellent flavor for eating raw or cooking. From Sativa Seeds.



Red Carpet F1

### SHALLOTS

## 2679 **Conservor F1** 100 days

HYBRID • Stores well • 2-3" bulbs

**Teardrop-shaped with pink flesh and easy-to-peel, rosy skin.** Conservor F1 has great flavor and stores well, offering more large, single bulbs. Great yields with a nice, rounded shape; like traditional French shallots.

## 2690 **Matador F1** 100 days

HYBRID • High yields • Long-term storage • 2-3.5" bulbs

**Giant, uniform shallots with an elegant teardrop shape in beautiful copper hued, papery skins.** Large, blocky bulbs are highly marketable and suitable for long-term storage. A vigorous variety that produces two large twin bulbs per one seed. From Bejo Seeds.



Red Geneva



Yellow Cipollini

### BUNCHING ONIONS / SCALLIONS

**CULTURAL INFO:** Bunching onions are hardy perennials that are grown as annuals or overwintered for early spring harvests. Direct sow seeds as soon as soil can be worked or start seedlings indoors in flats or plug trays. Planting depth: 1/4-1/2". Direct seeding: ~50 seeds/ft. in 2" wide bands, rows 12-18" apart. Seeds are slow to germinate, taking 14-20 days to start growth. It is important to keep them well cultivated so that the weeds do not take over. Hill stalks to promote elongation and blanching. Harvest when desired. Store washed onions at near freezing temperatures.

**SEED SPECS:** 11.2-13.7M (12.5M avg) seeds/oz, 180-220M (200M avg) seeds/lb. M=1,000. **1/64oz approx. 190 seeds.** Direct seeding rate: 50 seeds/foot in 2" bands in rows 12-18" apart. Transplants: plugs of 4-8 seeds 6-8" apart in rows 12-18" apart.



Conservor F1



Matador F1

## 2700 **Alto Leek** 60-65 days

See Leeks, page 48.

## 2688 **Red Baron** 60-65 days

OP • Very long day • Bunching or full size • 3" bulbs

**Versatile for midsize onions or beautiful purple scallions.** Deep red skin and royal purple inner rings with good color throughout. For scallions, harvest at 12-15" tall just before the bulb begins to swell, or harvest bulbs for fresh bunches. Performs well planted in clumps of 4-5; succession planting is recommended. See full size photo above. *Limited availability*

## 2670 **Evergreen Hardy** 65 days

OP • Welsh-type • Very cold hardy

**Reliably overwinters in Vermont, where temperatures can reach -30°F.** Sow all season long or overwinter. Divide clumps in second year to produce a new crop. Can be grown like an annual or allowed to develop into a dense patch. *Allium fistulosum. Unavailable in 2022*

## 2672 **Parade** 70 days

OP • IR: **BR, PR** • Uniform size • Upright habit

**Knocked our socks off in our bunching onion trials.** We've never seen such a uniform, upright bunching onion, not a single leaf leaning over. Gorgeous rows of dark green and vigorous stalks with no bulbing at all, making cleaning easy and quick. Parade has a nice, mild onion flavor. From our partners at Bejo Seeds. *Allium fistulosum*



Parade, Evergreen Hardy, Alto Leek, Red Baron (L to R)

ONION SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT	1/64 oz	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb	20 lb*
2683 Ailsa Craig	\$ 3.25	\$ 6.65	\$ 16.45	\$ 50.00	\$ 145.00	\$ 254.40	\$ 233.20/lb	\$ 207.50/lb
<b>new</b> 2710 Amber	\$ 3.75	\$ 4.50	\$ 10.55	\$ 29.00	\$ 93.00	\$ 160.00	\$ 125.00/lb	\$ 117.60/lb
2678 Dakota Tears	\$ 3.25	\$ 5.05	\$ 15.70	\$ 46.65	\$ 148.40	\$ 249.10	\$ 205.64/lb	\$ 188.81/lb
2670 Evergreen Hardy Bunching - <i>Unavailable in 2022</i>	\$ 3.25	\$ 4.15	\$ 9.55	\$ 26.50	\$ 88.00	\$ 148.40	\$ 133.00/lb	\$ 122.50/lb
2703 New York Early - <i>Limited availability in 2022</i>	\$ 3.25	\$ 5.45	\$ 16.95	\$ 50.90	\$ 164.30	\$ 270.30	\$ 222.60/lb	\$ 202.04/lb
2685 Red Geneva Cipollini	\$ 3.25	\$ 4.15	\$ 9.55	\$ 26.50	\$ 84.80	\$ 132.50	\$ 111.30/lb	\$ 102.40/lb
2705 Red Long of Florence	\$ 3.25	\$ 4.15	\$ 9.55	\$ 26.50	\$ 84.80	\$ 132.50	\$ 111.30/lb	\$ 102.40/lb
2674 Rossa di Milano	\$ 3.25	\$ 7.15	\$ 18.00	\$ 54.05	\$ 180.20	\$ 333.90	\$ 296.80/lb	\$ 250.80/lb
2702 Valencia	\$ 3.25	\$ 6.65	\$ 16.45	\$ 48.75	\$ 164.30	\$ 302.10	\$ 275.60/lb	\$ 229.60/lb
2680 Walla Walla	\$ 3.25	\$ 6.65	\$ 16.45	\$ 53.00	\$ 169.60	\$ 254.40	\$ 233.20/lb	\$ 213.23/lb
2671 Yellow Cipollini - <i>Unavailable in 2022</i>	\$ 3.25	\$ 4.75	\$ 14.45	\$ 43.45	\$ 132.50	\$ 227.90	\$ 213.06/lb	\$ 164.94/lb
ONION SEED - OPEN-POLLINATED - SOLD BY SEED COUNT	100	1 M	5 M	25 M	50 M	100 M	500 M	1000 M
2682 Gladstone	\$ 3.25	\$ 4.75	\$ 4.24/M	\$ 4.07/M	\$ 3.63/M	\$ 3.45/M	\$ 3.35/M	\$ 3.24/M
2672 Parade Bunching	\$ 3.25	\$ 4.15	\$ 2.05/M	\$ 1.36/M	\$ 1.12/M	\$ 0.95/M	\$ 0.78/M	\$ 0.69/M
2688 Red Baron - <i>Limited availability</i>	\$ 3.95	\$ 6.50	\$ 5.51/M	\$ 4.88/M	\$ 4.70/M	\$ 4.25/M	\$ 4.10/M	\$ 3.95/M
ONION SEED - HYBRID - SOLD BY SEED COUNT	100	1 M	5 M	25 M	50 M	100 M	500 M	1000 M
2689 Cabernet FI	\$ 3.80	\$ 7.65	\$ 5.94/M	\$ 5.09/M	\$ 4.88/M	\$ 4.64/M	\$ 4.50/M	\$ 4.35/M
2675 Calibra FI	\$ 4.20	\$ 10.85	\$ 8.75/M	\$ 6.00/M	\$ 5.57/M	\$ 5.35/M	\$ 4.98/M	\$ 4.75/M
2679 Conservor FI Shallot	\$ 6.90	\$ 24.40	\$ 22.26/M	\$ 19.08/M	\$ 18.02/M	\$ 16.43/M	\$ 15.79/M	\$ 15.25/M
2684 Cortland FI	\$ 4.00	\$ 7.35	\$ 5.30/M	\$ 4.49/M	\$ 4.35/M	\$ 4.18/M	\$ 4.03/M	\$ 3.87/M
2691 Gabriella FI	\$ 4.45	\$ 10.60	\$ 8.69/M	\$ 6.47/M	\$ 5.83/M	\$ 4.98/M	\$ 4.58/M	\$ 4.24/M
2690 Matador FI Shallot	\$ 6.90	\$ 24.40	\$ 22.26/M	\$ 19.08/M	\$ 18.02/M	\$ 16.43/M	\$ 15.79/M	\$ 14.84/M
2681 Red Carpet FI	\$ 4.90	\$ 10.25	\$ 7.80/M	\$ 7.00/M	\$ 6.30/M	\$ 5.80/M	\$ 5.59/M	\$ 5.25/M
2677 Sedona FI	\$ 4.20	\$ 10.85	\$ 8.75/M	\$ 6.00/M	\$ 5.57/M	\$ 5.35/M	\$ 4.98/M	\$ 4.75/M
2692 Talon FI	\$ 4.20	\$ 10.85	\$ 8.75/M	\$ 6.00/M	\$ 5.57/M	\$ 5.35/M	\$ 4.98/M	\$ 4.75/M
2673 Yankee FI - <i>Limited availability</i>	\$ 4.20	\$ 10.85	\$ 8.75/M	\$ 6.15/M	\$ 5.51/M	\$ 5.15/M	\$ 4.98/M	\$ 4.75/M

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.

# Syrphid FLIES



**W**hen we think about pollinators, we are often drawn to the charismatic players: honeybees, hummingbirds, bats and butterflies. While all of these individuals contribute important pollination services on our gardens and farms, there is a long list of species that may be less recognized but still play important roles in the pollination of our crops. Among these less represented organisms are flies and beetles.

Flies are often considered pests, entering homes and being a nuisance to livestock with some species even contributing to the spread of disease. The order Diptera is large, containing over one million species globally. One important group of beneficial organisms that we commonly find in our gardens and farms is Syrphid flies.

Syrphid flies, also known as flower flies or hoverflies, are essential pollinators of a wide range of plants. Within the Syrphidae family, there

are more than 6,000 identified species, 900 of which occur in North America. Syrphid flies hover in place and have black and yellow striping on their bodies. For this reason, our instinct when they approach can be to swat them away, confusing them for bees, wasps, hornets and yellow jackets that are known to deliver a nasty sting. Syrphid flies have no stinger; they have large, fly-like eyes and short antennae. Their black and yellow markings and the noise their hovering wings make in flight trick their predators into believing they may have a stinger, protecting them from becoming food.

This adaptation not only protects them from being hunted by vertebrates, it also allows them to live in harmony with other pollinators. Some Syrphid species even lay their eggs in bumblebee nests. Their young feed on dead bees, detritus and bee pests, helping to keep hives clean. Around 40% of the world's species of Syrphid flies have a predatory larval stage that contributes to the elimination of crop pests. These species lay their eggs on crops, and hatched larvae feed on aphids, ants, caterpillars, mites, scales and other soft bodied insects known to harm crops. For example of impact: one aphid-feeding Syrphid fly larva can consume up to 400 aphids before pupation.

Adult Syrphid flies of these species are not predacious and instead feed on the pollen and nectars of plants. Syrphid flies are an important part of seed production, as they are some of the first pollinators that occur in spring. Their numbers have been on the decline, though they have never been listed under the U.S. Endangered Species Act simply because they are a much less studied pollinator species. Fortunately, our gardens and farms provide excellent habitat for these essential workers. Planting flowering cover crops like buckwheat and phacelia can help attract their services to our vegetable crops, and the vegetables themselves will serve as nurseries for their young.

# Peas *Pisum sativum*



High Mowing Trials Manager Taylor in the pea trial highlighting two exciting new adds, Blizzard and Avalanche.

**CULTURAL INFO:** Days to maturity are from direct seeding. Peas are a cool-season annual. Plants prefer abundant phosphorus and a pH of 6.0 or higher. Direct seed as soon as soil can be worked in the spring. Seeds will germinate in soil temperatures as low as 40°F. Hot, dry conditions adversely affect quality and yield, so it is advantageous to have the crop mature as early as planting schedules allow. Dwarf varieties do not require trellising but taller ones do in order to avoid disease. Plant peas in two rows, 8-12" apart, with a mesh or wire trellis between the rows for peas to climb.

**RESISTANCE KEY:** HR- High Resistance, IR- Intermediate Resistance, **DM-Downy Mildew,**

**FW-Fusarium Wilt (races indicated if known), PM-Powdery Mildew, PEMV-Pea Enation Mosaic Virus, PM-Powdery Mildew, PSV-Pea Streak Virus**

**SEED SPECS:** 90-170 (130 avg) seeds/oz, 1.5-2.7M (2.1M avg) seeds/lb. M=1,000.

**1 oz approx. 130 seeds.** Direct seeding rate: Dwarf, 24-30 seeds/foot in a 2" band in rows 18-24" apart. Trellised, 24-30 seeds/foot in bands 4-6' apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## ENGLISH / SHELLING

### 2758 **PLS 14** 50 days

OP • HR: **FW (1)** • Earliest shell pea • 3-3.5" pods

**Early, high yielding shell pea with exquisitely pronounced pea flavor, perfect for fresh eating or processing.** Dark blue-green plants hold 3-3.5", bright green pods with 6-7 sweet and delicious peas inside. The brightly colored pods make harvest quick and efficient. Highly productive plants are a dream to grow and the flavor of the peas is difficult to beat. From our partners at Pure Line Seeds.

### 2760 **Laxton's Progress #9** 60 days

OP • IR: **FW** • Compact plants • 4-5" pods

**Short vines and plump pods filled with high quality peas.** Small 15-20" plants produce heavy yields of large pods with up to nine peas per pod (hence the name). An improvement over the original Laxton's Progress with intermediate resistance to wilt.

### 2767 **PLS 595** 63 days

OP • HR: **FW (1, 2), PM** / IR: **DM** • Afilia-Type • No trellising • 3.5-4.5" pods

**Highly productive, upright plants with exceptional fruit set of long, dark green pods.** Pods are long and easy to see due to the 30" tall plants' upright growth habit. Between 9-11 peas per pod, harvests bring in heavy yields. Plants set 2 pods per node. Exceptional option for commercial growers seeking vigor and productivity. From Pure Line Seeds.

### 2735 **Green Arrow** 68 days

OP • IR: **DM, FW** • Excellent for freezing • 4-5" pods

**A classic, main-crop pea with slim, densely packed pointed pods.** High yielding variety with plenty of pods for easy harvesting. Each pod is filled with up to eleven delicious peas. Plants are 24-30" tall. Peas are excellent for freezing.



PLS 14



Laxton's Progress #9



PLS 595



Green Arrow

## Sweet Gem™ Snap Pea

**Sweet Gem™ is the kind of improved sugar snap pea that you can't walk by without picking.** The plants are sturdy, resist lodging and top out at 3' for easy maintenance. The fruit is sweet like candy with pods that are crisp, crunchy and offer a juicy bite. A highly productive variety that doesn't sacrifice any eating quality for performance.

- Improved sugar snap pea
- Resistant to powdery mildew
- Clean and uniform plants and pods



PEAS



Sugar Ann



Cascadia



Sweet Gem™



SS 141



Blizzard



Oregon Sugar Pod II



Avalanche



Mammoth Melting

SNAP

2766 **Sugar Ann** 52 days

OP • Short harvest window • 2.5-3" pods

**Nothing says spring like these high quality, petite green pods.** A great way to start off the season. Tasty round pods on dwarf 2' vines are early with a concentrated crop. 1984 All-America Selections (AAS) winner from pea breeders Dr. Calvin Lamborn and Dr. MC Parker of Twin Falls Idaho, the creators of the famous Sugar Snap.

2762 **Cascadia** 60 days

OP • HR: PEMV / IR: FW, PM • Spring or fall crop • 3" pods

**A must-have main season variety with heavy yields of juicy, thick-walled pods.** Bucketloads of plump pods with tiny, distinctively delicious peas on 3' tall vines. Multiple disease resistances allow for spring and late season plantings.

**new** 2761 **Sweet Gem™** 63 days

OP • HR: PM • Improved sugar snap type • 3-3.5" pods

**Strong, sturdy plants that resist lodging and produce abundant harvests of light green pods.** Plants and pods are clean, making for uniform and efficient harvests. Vines top out at 45-52" and have excellent resistance to powdery mildew. Excellent flavor with satisfying, crisp texture, and juicy flesh. This variety was developed by Jim Bagget and Dr. Jim Myers of OSU and was further selected by Steve Peters. A portion of the sales of this variety is paid to the breeder.

2763 **SS 141** 65 days

OP • IR: FW, PM • Tight harvest window • Jumbo 4" pods

**An exciting release for sugar snap pea fans.** SS 141 is a compact plant of 3' vines that forms a heavy set of extra-long, extra-tasty pods that ripen within a short window. From our friends at Pure Line Seeds, this strongly improved snap pea offers very high yield potential. Suitable for multiple succession plantings.

SNOW

**new** 2738 **Blizzard** 58 days

OP • Fruit set in pairs • 3" pods

**Concentrated, prolific yields of slender, pale green pods with crisp texture.** A standout in our trials program, vines top out at 30-36" and hold multitudes of sweet, easy to pick pods. Plants are open, making the pods easy to locate. Best grown with a trellis. Pods set in pairs which aids in efficient harvesting.

2750 **Oregon Sugar Pod II** 60 days

OP • IR: FW, PEMV, PM, PSV • Spring/fall crop • 4" pods

**Improved with increased disease resistance and delicious tender pods.** Highly productive variety produces smooth, stringless pods on true dwarf plants averaging 36-43" tall. Pods are doubly borne for high yields and easy harvests. Strong disease resistance makes this an excellent choice for late summer-fall plantings.]

**new** 2739 **Avalanche** 62 days

OP • IR: FW (I), PM • Afila-type • 4-5"

**Manageable and productive plants producing large, dark green pods.** Pods can be harvested baby or at full size and are tender and sweet. Compact 35-40" plants boast avalanches of ripe pods that are perfect for fresh market or freezing. Plants are Afila-type, meaning fewer leaves and more tendrils. Tendrils are abundant and strong, allowing plants to hold each other up in the field, requiring less trellising. From our partners at Pure Line Seeds.

2740 **Mammoth Melting** 65 days

OP • IR: FW • Long harvest window • 4-5" pods

**Extra-large, delectably sweet and tender pods with mouthwatering crunch.** These 5-6' tall vines do require trellising for support, but bear over a long period of time. Large white flowers are an extra bonus, adding a splash of brightness to your edible landscape. *Limited availability*

PEA SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT

	1 oz	1/2 lb	1 lb	5 lb	20 lb*
<b>new</b> 2739 Avalanche Snow	\$ 3.25	\$ 8.80	\$ 12.90	\$ 8.74/lb	\$ 7.39/lb
<b>new</b> 2738 Blizzard Snow	\$ 3.25	\$ 8.80	\$ 12.90	\$ 8.74/lb	\$ 7.39/lb
2762 Cascadia Snap	\$ 3.25	\$ 8.80	\$ 12.90	\$ 8.74/lb	\$ 7.39/lb
2735 Green Arrow Shell	\$ 3.25	\$ 8.80	\$ 12.90	\$ 8.74/lb	\$ 7.39/lb
2760 Laxtons Progress #9 Shell	\$ 3.25	\$ 8.80	\$ 12.90	\$ 8.74/lb	\$ 7.39/lb
2740 Mammoth Melting Snow - <i>Limited availability</i>	\$ 3.25	\$ 8.80	\$ 12.90	\$ 8.74/lb	\$ 7.39/lb
2750 Oregon Sugar Pod II Snow	\$ 3.25	\$ 8.80	\$ 12.90	\$ 8.74/lb	\$ 7.39/lb
2758 PLS 14 Shell	\$ 3.25	\$ 8.80	\$ 12.90	\$ 8.74/lb	\$ 7.39/lb
2767 PLS 595 Shell	\$ 3.25	\$ 8.80	\$ 12.90	\$ 8.74/lb	\$ 7.39/lb
2763 SS 141 Snap	\$ 3.25	\$ 8.80	\$ 12.90	\$ 8.74/lb	\$ 7.39/lb
2766 Sugar Ann Snap	\$ 3.25	\$ 8.80	\$ 12.90	\$ 8.74/lb	\$ 7.39/lb
<b>new</b> 2761 Sweet Gem™ Snap	\$ 3.25	\$ 8.80	\$ 12.90	\$ 8.74/lb	\$ 7.39/lb

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.

# Peppers

*Capsicum annuum*

Zay, Keith and farm owner Danielle bringing in a prolific harvest of peppers at Root 5 Farm in Fairlee, Vermont.

**CULTURAL INFO:** Days to maturity are from transplanting. Peppers are long-season, heat-loving annuals. Start transplants 6-8 weeks before planting date. Optimal soil temperature for germination is 85°F. When growing transplants, maintain 75°F during the day and 65°F at night. Peppers prefer rich, well-drained, loamy soils. Do not over fertilize, as too much nitrogen will prevent fruit set. Encourage plant growth and fruit set with plastic mulch and floating row cover to warm roots and soil. Switch to a light-weight row cover when daytime temperatures reach 75-80°F or when first flowers appear. Remove at temperatures over 85°F as some peppers may abort their flowers in extreme heat. Store peppers at 50°-54°F and 95% relative humidity. Chilling injury occurs below 45°F. Prevent disease and recurrent pest pressure with correct sanitation techniques, crop rotation and cover cropping. SHU = Scoville Heat Units

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **BLS-Bacterial Leaf Spot** (races indicated if known), **CMV-Cucumber Mosaic Virus**, **PMMoV-Pepper Mild Mottle Virus L4**, **PVY-Potato Virus Y** (races indicated if known), **TEV-Tobacco Etch Virus**, **TMV-Tobacco Mosaic Virus** (races indicated if known), **TSWV-Tomato Spotted Wilt Virus** (races indicated if known)

**SEED SPECS:** 2.8-4.9M (3.85M avg) seeds/oz, 45-78M (62M avg) seeds/lb. M=1,000. 1/64 oz approx. 60 seeds. Transplants: 12-18" apart in rows 18-30" apart, or in 2 rows 24" apart on plastic mulched beds.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## GREEN TO RED BELLS

**2802 Olly F1** 55 days green, 63 red

HYBRID • HR: **TMV (0-2)** • Excellent vigor • Exceptionally sweet • 3-4" fruits

**Robust plants produce early, abundant harvests of blocky, red peppers with exceptionally sweet flavor.** Beautifully vibrant red peppers that ripen rapidly and have a gorgeously fresh sweetness. Peppers are uniform and thick walled, giving them longevity in the field. An excellent option for growers seeking an early red pepper for production or for the home gardener in search of a reliable and flavorful red for fresh eating or preserves. From our partners at De Bolster Organic Seeds.

**2777 King Crimson** 57 days green, 65 red

OP • **HIMOS EXCLUSIVE** • IR: **CMV** • Uniform shape • 3-4" fruits

**Early, prolific peppers are medium sized and blocky with four lobes and thick walls.** A favorite in our trials due to early maturity and uniform size. Slightly earlier than King of the North with superior quality and uniformity. Developed by High Mowing in partnership with Cornell University. A portion of the sales of this variety is paid to the breeder.

**2800 King of the North** 60 days green, 72 red

OP • Early • Upright habit • 3-4" fruits

**Reliable set of green to glossy red fruits in short seasons.** Improved for a higher percentage of blocky, thick-walled, early ripening peppers each with three to four lobes. Known for its ability to produce good sized peppers in short, cool seasons. Strong plants support heavy yields.

**2779 Sprinter F1** 62 days green, 82 red

HYBRID • HR: **TMV (0-3)** • Field or greenhouse • Good leaf cover • 3.5-4" fruits

**Speed and endurance, an early pepper that goes the distance with high yields over a long harvest window.** Compact plants with big, blocky, four-lobed fruit larger than King of the North. Recommended for greenhouse culture but performs well outside, especially as green; sets fruit well under row cover. Resists blossom end rot and russetting. From our partners at Vitalis Organic Seeds.

**2775 California Wonder** 65 days green, 80 red

OP • Upright habit • Good for shipping and freezing • 3.5" fruits

**Large, blocky, thick-walled, glossy fruit that turns red quickly under a range of conditions.** Upright, everbearing habit keeps fruit high on 24-30" plants. Suitable for shipping and freezing. Introduced by Burpee's in 1928 and still a hit today. Strong field resistance to tobacco mosaic virus.



California Wonder, King Crimson, Sprinter F1, King of the North



Olly F1



King Crimson



King of the North



California Wonder



Sprinter F1



Golden California Wonder

## COLORFUL BELLS

**2776 Golden California Wonder** 60 days green, 78 gold

OP • Cool tolerant • Early • 4-4.5" fruits

**High yields of deep gold, thick-walled fruits that set well in cool conditions.** Sturdy, upright 22-30" plants are everbearing and pendant. Very similar to California Wonder with an earlier maturity date. One of the best open-pollinated gold peppers available.



Brocanto F1



Madonna F1



Milena F1



Elsa F1



Ilyn F1



Waldo F1



Lilo F1



Flavorburst F1



Cubo Orange



Iko Iko



Early Summer F1

**2772 Brocanto F1** 60 days green, 83 yellowHYBRID • HR: **TMV (0-3)** / IR: **TSWV** • Field or greenhouse • 3-4" fruits

**Sturdy, tall plants with excellent disease resistance, abundantly producing blocky, yellow fruits.** Plants are resilient, performing well in the field or high tunnel with exceptional leaf coverage. Best yellow bell to replace Catriona F1 we've seen. High yields of medium-large to large fruits make this variety ideal for commercial production. From our partners at Vitalis Organic Seeds.

**2823 Lilo F1** 60 days purple, 85 redHYBRID • PVP • HR: **TMV (0)** • Field or greenhouse • 3-3.5" fruits

**Unique, purple fruit that ripen through to dark red at maturity.** Fruit set is dense and early, making for a short and prolific harvest season. When harvested at purple stage, fruit have a crisp and delicious flavor much like a green bell. Great producer in the field or in the greenhouse. An excellent choice for early colorful bells. From our partners at De Bolster Organic Seeds.

**2805 Madonna F1** 65 days green 75-85 yellowHYBRID • HR: **PMMoV, TSWV** • Good leaf cover • 3.5-4" fruits

**Early lemon-yellow pepper for field production.** Prolific, large, blocky fruits with four lobes and thick, juicy walls. Highly uniform fruit on vigorous plants with continuous high yield potential all season. Good leaf cover and disease resistance. From our partners at Genesis Seeds.

**2816 Flavorburst F1** 65 days green, 83 yellow

HYBRID • Excellent harvested green or gold • Exceptional flavor • 3.5-4.25" fruits

**Highly flavorful lime green fruits that mature to a bright yellow and then gold when fully ripe.** These slightly elongated, three lobed fruits produce abundantly on short, durable plants. The flesh is thick and juicy with a vibrant sweetness that makes them desirable for fresh eating. From our partners at Bejo Seeds.

**2771 Milena F1** 65 days green, 83 orangeHYBRID • HR: **PVY (0-1), TMV (0-3)** / IR: **TEV, TSWV (0)** • Heat tolerant • 3.5-4.5" fruits

**Early orange bell with thick walls and uniformly three-to four-lobed fruit.** Vigorous, open habit with good yield and solid fruit set, even under hot conditions. Plants are upright and sturdy with good performance in greenhouse, unheated tunnel or open field conditions.

**new** 2834 **Cubo Orange** 65 days green, 85 orangeOP • IR: **TSWV** • Thick walls • 3.5-4" fruits

**Broad blocky, thick-walled fruits that are gorgeously orange when ripe.** Plants are productive and resilient, covered in medium green peppers that ripen into a beautiful orange hue. Fruit is thick walled, juicy, clean and of incredible quality. Flavor is bright and fruity. This variety was a standout in our trials and is sure to become a grower favorite for its reliability and fruit quality. Developed by ReinSaat Breeding in Austria.

**2808 Elsa F1** 65 days green, 85 yellowHYBRID • PVP • HR: **TMV (0-3)** • Field or greenhouse • 3-3.7" fruits

**Yellow, blocky pepper on short, sturdy plants that ripen quickly in the field or greenhouse.** Plants are compact and heavy, providing a good foundation for high yields of yellow fruits. Flavor is sweet and crisp, a great selection for raw preparations. Fruit ripens quickly and consistently, even in northern climates and is irresistibly beautiful on a market table. From our partners at De Bolster Organic Seeds.

**2789 Iko Iko** 65 days purple/yellow, 85 red/orangeOP • **BRED BY HIGH MOWING** • Upright habit • Good leaf cover • 3.5" fruits

**Spectacular array of colors in a high-yielding bell pepper.** A rainbow of colors from a single variety. Immature fruits start dark purple, lavender, pale yellow and occasionally lime green, ripening to tangerine and red streaked with purple. Excellent early season color at market. Selected by High Mowing for color, yield, uprightness and leaf cover.

**2768 Ilyn F1** 65 days green, 85 orangeHYBRID • PVP • HR: **TMV (0-2)** • Field or greenhouse • 3-3.5" fruits

**Fast coloration of stunning, blocky fruit with exceptional flavor and texture.** Absolutely striking orange peppers on especially productive, vigorous plants. A great variety for early colorful bells in the field. The flavor is sweet and fresh, making this a delicious pepper for raw and cooked preparations. From our partners at De Bolster Organic Seeds.

**2797 Waldo F1** 65 days white, 85 yellowHYBRID • HR: **TMV (0)** • Early white pepper • 3-4" fruits

**Eye-catching white peppers with attractive, blocky shape and a delicious, fresh flavor.** Compact plants produce an abundance of beautiful, ghost-white fruits that will mature into a matte yellow. These peppers are meant to be harvested in their white stage as an early colorful pepper but can be harvested at full maturity for a gentle, sweet flavor. Peppers are visually striking when contrasted to the green peppers that are also harvested in the early season.

**2770 Early Summer F1** 65 days green, 87 yellowHYBRID • HR: **BLS (1-5,7,9)** / IR: **TSWV** • Broad disease package • 4-5" fruits

**Heavy producer of dark green to yellow fruits with broad disease package.** Blocky fruits are glossy with firm skin and thick walls, ideal for green and yellow pepper production. Strong plants are resilient in many growing conditions, generating uniformly shaped fruit, excellent sweetness when yellow, and crisp texture. Yields are impressive, great for commercial production or as a standalone producer in the garden. From Sakata Seeds.



**2769 Abay F1** 85 days green, 95 yellow

HYBRID • HR: **BLS (1-5), TMV (0)** • Widely adapted • 4" fruits

**Jumbo sized blocky, golden fruits on widely adapted plants.** Hefty 4" fruits with thick walls make great green peppers and mature to a beautiful golden yellow. An excellent open field variety. Fruit maintain quality even as nighttime temperatures begin to drop. High resistance to bacterial leaf spot. From our partners at Vitalis Organic Seeds.

**PICNIC PEPPERS**

**2809 Picnic Red** 60 days green, 78 red

OP • **BRED BY HIGH MOWING** • 3-4" fruits

**Pretty much the sweetest pepper we've ever tasted.** Small red peppers have unbelievable sweetness and a rich complex flavor. Bred with an emphasis on flavor, yields and plants that stand up straight for easy harvest. After on-farm trials in Wisconsin, growers commented that they had trouble selling ripe fruit because their kids and partners ate them out of the field as soon as they turned red.

**2810 Picnic Orange** 60 days green, 82 orange

OP • **BRED BY HIGH MOWING** • 3-4" fruits

**Deep orange color with a rich, sweet pepper flavor.** Picnic Orange is sweet tasting and has lovely warm color. Selected for thick walls, flavor, strong yields and an upright plant habit. From our own breeding work at High Mowing.

**2811 Picnic Yellow** 60 days green, 84 yellow

OP • **BRED BY HIGH MOWING** • 3-4" fruits

**Vivid, bright yellow with a crisp, tart taste.** Picnic Yellow has a nice, tart flavor with good complexity and a crisp crunch. Selected for upright plant habit, good flavor and thick walls. From our own breeding work at High Mowing.

**SWEET SPECIALTY**

**2788 Oranos F1** 60 days green, 75 orange

HYBRID • HR: **TMV (0)** • Italian-type • Tapered 5-6" fruits

**Eye-catching, vivid orange fruit with sweet flavor and early, heavy yields.** The highest total yields and the highest number of ripened fruit in our trials – impressive in a short growing season like ours. Thick walls are great for stuffing and color is beautiful in salads or at market.

**2794 Shishito** 60 days green, 75 red

OP • Spreading habit • 2-4" mild fruits • Prolific producer

**Small, mild Japanese pepper for roasting, pan-frying and grilling.** Thin walls blister and char easily when roasted or grilled, taking on rich flavor that is delicious with coarse salt and lemon juice. The occasional fruit will display heat. Typically harvested and used green but eventually turns orange and red with sweeter flavor.

**2799 Bangles Blend** 60 days green, 80 color

OP • **HIMOS EXCLUSIVE** • Upright habit • Flattened 1.5" wide fruits

**Adorable red, gold and chocolate baby bells great for snacking or stuffing.** Eat fresh, stuff or pickle. Large seed cavity is perfect for stuffing. Upright 18-24" plants are excellent for decorative containers. Each plant produces a single color of pepper. *Limited availability*

**2787 Carmen F1** 60 days green, 80 red

HYBRID • Italian-type • AAS winner • Tapered 6" fruits

**The standard-bearer for sweet Italian frying peppers in the Corno di Toro class.** Early maturing fruit on medium sized 20" plants can be harvested at green or allowed to ripen to a deep red. Unbelievably sweet and crisp flavor won the hearts of the All-America Selections committee in 2006, and growers have been dedicated to it ever since. Suitable for greenhouse or field production. From the breeders at Johnny's Selected Seeds.

**2796 Escamillo F1** 60 days green, 80 gold

HYBRID • Italian-type • AAS winner • Tapered 6" fruits

**A golden Corno di Toro type with crisp, juicy walls and excellent flavor.** The perfect pair to the deep red of Carmen F1, Escamillo F1 draws its name from the French opera in which the beautiful Carmen falls in love with the bull fighter Escamillo. Prolific yields from vigorous, 22" plants that are slightly larger than Carmen F1. Good for eating raw, frying or sautéing. From the breeders at Johnny's Selected Seeds.

**2778 Corno di Toro** 70 days green, 78 red

HEIRLOOM • Italian-type • Upright habit • 6-8" fruits

**Highly attractive scarlet fruits were extremely popular in our taste tests.** Large, tapering fruits are long and narrow, often with the bull horn curve for which they are named. Quickly turns gold and then a beautiful deep crimson color with sweet, full-bodied flavor when fully ripe. Plants are vigorous with an excellent upright habit.

**2824 Habanada** 75 days green, 100 orange

OP • Habanero flavor with no heat • 2-3" fruits

**Tangerine-colored fruits featuring the brilliant floral flavor of a habanero pepper without the heat.** A breeding triumph of Michael Mazourek from Cornell University, this beautiful, specialty pepper brings all the complexity and sweetness of a habanero pepper but has no kick. This variety has been selected and perfected for over a decade and is sure to become a favorite of market growers, chefs and adventurous home cooks for its unique applications. Plants are prolific, heavy producers. For best germination, consider starting plants on a heat mat in spring. *Capsicum chinense*.



Abay F1



Picnic Red



Picnic Orange



Picnic Yellow



Oranos F1



Shishito



Bangles Blend



Carmen F1



Escamillo F1



Corno di Toro



Habanada



Lively Italian Yellow



Ring-O-Fire



Red Ember F1



Aji Rico F1



Hungarian Hot Wax



Primero Red F1



Bastan F1



Black Magic F1



Early Jalapeño



Highlander F1

### 2807 Lively Italian Yellow 75 days green, 100 yellow

OP • HMOS EXCLUSIVE • Italian-type • Vigorous, upright habit • 8-10" fruits  
**Stunning, sweet, thick-walled yellow fruits.** Large, tapered, golden-yellow fruits with sweet, juicy flesh on vigorous plants. Prolific and reliable, performing well in the open field across a variety of climates and ripening well even in our northern Vermont fields. Bred by Tom Lively of Lively Organic Farm in Eugene, OR and further selected by High Mowing.

HOT

### 2786 Ring-O-Fire 45 days green, 60 red

OP • Cayenne • SHU 30,000 • 4" fruits  
**"And it burns, burns, burns," just like Johnny Cash said.** This is a hot, hot pepper. Ring-O-Fire matures early and has a glossy sheen with a fire-engine red color. Prolific and dependable plants produce loads of fruit great for eating fresh, dried or powdered.

### 2792 Red Ember F1 50 days green, 70 red

HYBRID • Cayenne • SHU 30,000 - 50,000 • 4-5" fruits  
**AAS winning cayenne with exceptionally complex flavor and medium heat.** The most flavorful cayenne, fruit have a delicate warmth that lasts after eating cooked, dried, or fresh. Makes for a delicious addition to sautés and stir fries, and can be preserved as a hot sauce, powder, or as dried pepper flakes. This popular variety is ideal for the pepper enthusiast or for the market table as a first choice for shoppers seeking some summer heat.

### 2781 Aji Rico F1 55 days green, 75 red

HYBRID • SHU 30,000 • AAS Winner • 3-4" fruits  
**Early season production of thin walled, crunchy fruits with warmth and a refreshing citrus flavor.** Large, resilient plants produce shiny, bright green fruits that mature to a brilliant red. Peppers are delicious when eaten at any stage in their ripeness and can be dried easily to make a homemade "paprika" style powder or pepper flake. The sweetness that develops as the pepper matures is reminiscent of a juicy bell pepper. A great addition to salsas, sauces and soups. *Capsicum baccatum*

### 2790 Hungarian Hot Wax 59 days yellow, 84 red

OP • Excellent pickler • SHU 10,000 • 1.5-5.5" fruits  
**Long, banana-shaped, waxy pepper used for frying, stuffing and pickling.** Ripens from pale yellow to deep, golden orange and finally cherry red, but traditionally harvested light green and used for pickling. May be harvested at any stage but heat intensifies as peppers mature. Very productive, even in cool weather. Heat varies among strains; HMOS strain is spicy but not overly hot.

### 2791 Primero Red F1 65 days green, 80 red

HYBRID • SHU 70,000 • Early ripening • 2-4" fruits  
**High yields of large, beautifully red peppers with habanero flavor and one third the heat.** One of the earliest ripening habaneros with fruit reaching maturity at the same time as the bell peppers. Can be grown in the ground or in a container. An excellent choice for the pepper lover who wants to enjoy the taste of the habanero without the typical intensity. *Capsicum chinense*

### 2795 Bastan F1 65 days green, 85 chocolate

HYBRID • Poblano • SHU 2,000 • 4-6" fruits  
**Large, high-quality, dark green chiles on productive plants.** Thick-walled, medium sized fruits are a glossy dark green, nearly black, maturing to a deep chocolate with mild heat. Plants have an upright habit with excellent leaf cover and concentrated fruit set; extremely high yielding. Delicious roasted, stuffed, battered and fried—try them stuffed with smoked gouda and grilled. From Vitalis Organic Seeds.

### **new** 2831 Black Magic F1 65 days green, 85 red

HYBRID • IR: BLS(1-3) • Jalapeño • SHU 2,500 • Greenhouse or field • 3-3.5" fruits  
**Beautiful black jalapeño with floral flavor, mild spice and impressive yields.** Plants are of manageable size and are very vigorous. At peak production, plants are covered in near black, dark green, thick-walled fruit of perfect processing size. The gorgeous colored fruits stand out from the medium green plants making for easy harvest. Fruit has high visual impact due to unique, dark coloration. Fruits left on the plant will begin checking. From our partners at Genesis Seeds.

### 2833 Early Jalapeño 65 days green, 85 red

OP • SHU 5,000 • 3-3.5" fruits  
**Prolific yields of flavorful, blunt fruits with distinctive jalapeño flavor.** Small, moderately spicy fruits with thick walls are traditionally harvested dark green but can be allowed to ripen to red. A classic eaten fresh or pickled with Mexican dishes. Compact plants are sturdy and work well in containers.

### **new** 2842 Highlander F1 65 days green, 85 red

HYBRID • Anaheim • SHU 4,500 • Highly adaptable • 6-7" fruits  
**Early maturing Anaheim pepper with excellent rigor and high yields, even in cooler regions.** Semi-flat, two lobed fruit are uniform and marketable. Plants are tall and large, providing excellent support for the prolific yields of peppers with traditional Anaheim flavor and appearance. Bred by Janika Eckert and from our friends at Johnny's Selected Seeds.

2782 **Ancho Poblano** 68 days green, 88 red

OP • SHU 3,000 • 4-6" fruits

**Mild, heart-shaped chili perfect for stuffing in chiles rellenos or dried for ancho chili powder.** Stout, dark green fruits are moderately spicy with medium-thick walls. Referred to as Poblano when used fresh and Ancho when dried for seasoning. Plants are well branched. Highly adapted variety; good yields in cool conditions. Limited availability in 2022



Ancho Poblano



Jalafuego F1

2804 **Jalafuego F1** 70 days green, 93 red

HYBRID • HR: **PVY (0-2), BLS (0-3,7,8)** • Jalapeño • SHU 8,000 • 3.25-4.25" fruits

**Productive, vigorous plants yield multitudes of extra-smooth, dark green fruit.** Highly disease resistant plants tolerate and produce through many climatic variables. Fruit are resistant to cracking, have wonderful flavor, and have the perfect amount of heat. From our partners at Sakata Seeds.



NuMex Joe E. Parker



Magnum

2785 **NuMex Joe E. Parker** 70 days green, 95 red

OP • Anaheim • SHU 4,500 • 8" fruits

**Southwestern-style traditional Anaheim harvested green for stuffing, grilling, roasting or processing.** Peppers average 8" long and have thick, crisp flesh with mild heat and excellent flavor. Very productive strain that quickly changes from green to red. Improved version of New Mexico 6-4 pepper, with thicker, longer fruits that mature earlier.

2783 **Magnum** 80 days green, 100 orange

OP • Orange habanero • SHU 210,000 • 1-2" fruits

**Typical habanero with bonnet shape and a gorgeous, bright orange color.** Uniformity and productivity are top notch, producing loads of shiny, scorching peppers. Plants are tall, well branched and cold tolerant, ensuring maturity in cooler climates like the Northeast. A true standout and improved variety from our friends at Genesis Seeds. *Capsicum chinense*

# — DE BOLSTER Organic Seeds —

*Frank Vosselman of De Bolster Organic Seeds in the Netherlands*



Frank acknowledges that this work hasn't always been on trend or popular. It has been the long term efforts of growers and breeders who have stayed committed to the development of organics that have made the marketplace what it is today. "When I look back to when my parents had the organic vegetable company, you heard a lot of stories about how things weren't possible in organic agriculture. You would hear, 'It's not possible to feed the world with organic agriculture,' or 'It's not possible to produce organic seeds in large enough quantities.' What makes me hopeful is that, with a different mindset and a different way of doing things, change is possible."

As climate change brings new challenges to growers across the globe, Frank sees collaboration as an essential part of our collective wellbeing going into an uncertain future. "In the last 5-10 years the effects of climate change have been much more apparent in our seed production and for the growers who buy our seed. Things are changing in our societies and culture far too slowly to make a difference. It feels more important than ever to speed up our efforts and to inform people inside and outside of our communities that the window of time for climate action is closing. We have the responsibility to maintain conditions on our planet that will give our children a prosperous future."

This makes it more important than ever for seed companies to start collaborating and cooperating with each other. We need to create a network around the world where we can spread our risks and ensure that our organic farmers have the seeds they need to be successful.

It is becoming more obvious all the time that dealing with climate variables is impossible without diversity. The planet has not evolved to work within a mono-crop system. Using the Earth as our guide, we can see that diversity is the key to everything. This is true in nature, in our seed crops, in our communities, and in our network of companies."

**F**rank Vosselman is the managing director of De Bolster Seeds in the Netherlands, an all-organic seed breeding company that partners with High Mowing and others to distribute productive varieties they have developed specifically for organic growing systems. "De Bolster Seeds is helping organic agriculture by providing the right varieties for that type of growing, but also more generally by ensuring there is a steady seed supply. By growing all of these seed crops organically, we are helping farmers to be able to run their operations organically, which in turn makes healthy foods available for people."

PEPPER SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT	1/64 oz	1/16 oz	1/4 oz	1 oz	1/4 lb	1 lb
2782 Ancho Poblano Hot - <i>Limited availability in 2022</i>	\$ 3.25	\$ 8.60	\$ 28.10	\$ 76.00	\$ 206.70	\$ 614.80
2799 Bangles Blend Sweet - <i>Limited availability</i>	\$ 3.25	\$ 9.50	\$ 29.15	\$ 77.40	\$ 222.60	\$ 783.35
2775 California Wonder Sweet	\$ 3.25	\$ 6.35	\$ 11.40	\$ 28.60	\$ 84.80	\$ 318.00
2778 Corno di Toro Sweet	\$ 3.25	\$ 9.45	\$ 31.00	\$ 83.75	\$ 201.40	\$ 662.50
2776 Golden California Wonder Sweet	\$ 3.25	\$ 9.25	\$ 21.00	\$ 52.00	\$ 135.00	\$ 425.00
2790 Hungarian Hot Wax	\$ 3.25	\$ 6.35	\$ 13.00	\$ 44.90	\$ 137.80	\$ 461.10
2789 Iko Iko Sweet	\$ 4.20	\$ 9.70	\$ 29.80	\$ 79.50	\$ 231.10	\$ 800.30
2777 King Crimson Sweet	\$ 4.20	\$ 10.05	\$ 32.85	\$ 108.10	\$ 317.45	\$ 906.30
2800 King of the North Sweet	\$ 3.25	\$ 9.50	\$ 25.45	\$ 55.90	\$ 165.35	\$ 664.60
2807 Lively Italian Yellow Sweet	\$ 3.25	\$ 10.85	\$ 33.90	\$ 111.30	\$ 333.90	\$ 959.30
2783 Magnum Habanero Hot	\$ 3.25	\$ 10.25	\$ 29.10	\$ 84.20	\$ 218.35	\$ 620.10
2785 NuMex Joe E. Parker Hot	\$ 3.25	\$ 6.75	\$ 18.50	\$ 45.00	\$ 125.00	\$ 395.00
2786 Ring-O-Fire Cayenne Hot	\$ 3.25	\$ 9.00	\$ 26.50	\$ 74.20	\$ 190.80	\$ 620.10
2794 Shishito	\$ 4.75	\$ 9.55	\$ 31.80	\$ 86.90	\$ 291.50	\$ 837.40

PEPPER SEED - HYBRID - SOLD BY SEED COUNT	10	100	250	500	1 M	5 M	25 M
2769 Abay F1 Sweet	\$ 7.20	\$ 37.10	\$ 60.40	\$ 92.20	\$ 143.10	\$ 119.78/M	\$ 101.17/M
2781 Aji Rico F1 Hot	\$ 5.30	\$ 40.30	\$ 82.70	\$ 111.30	\$ 196.10	\$ 170.66/M	\$ 161.12/M
2795 Bastan F1 Hot	\$ 3.90	\$ 14.85	\$ 26.35	\$ 47.70	\$ 90.10	\$ 77.38/M	\$ 74.20/M
<b>new</b> 2831 Black Magic F1 Hot	\$ 3.90	\$ 14.50	\$ 25.00	\$ 46.00	\$ 75.00	\$ 63.00/M	\$ 59.00/M
2772 Brocanto F1 Sweet	\$ 11.65	\$ 65.00	\$ 125.00	\$ 220.00	\$ 415.00	\$ 399.00/M	\$ 384.00/M
2787 Carmen F1 Sweet	\$ 3.25	\$ 17.50	\$ 33.90	\$ 62.00	\$ 115.00	\$ 105.00/M	\$ 94.00/M
2770 Early Summer F1 Sweet	\$ 7.40	\$ 50.90	\$ 90.10	\$ 143.10	\$ 227.90	\$ 201.40/M	\$ 178.08/M
2808 Elsa F1 Sweet	\$ 8.50	\$ 57.25	\$ 100.70	\$ 162.20	\$ 265.00	\$ 227.90/M	\$ 203.52/M
2796 Escamillo F1 Sweet	\$ 3.25	\$ 17.50	\$ 33.90	\$ 57.25	\$ 103.90	\$ 87.98/M	\$ 75.68/M
2816 Flavorburst F1 Sweet	\$ 3.25	\$ 16.95	\$ 31.80	\$ 55.10	\$ 98.60	\$ 85.86/M	\$ 74.20/M
<b>new</b> 2842 Highlander F1 Hot	\$ 4.25	\$ 19.25	\$ 35.00	\$ 65.00	\$ 99.00	\$ 93.00/M	\$ 90.00/M
2768 Ilyn F1 Sweet	\$ 8.50	\$ 57.25	\$ 100.70	\$ 162.20	\$ 265.00	\$ 227.90/M	\$ 203.52/M
2804 Jalafuego F1 Hot	\$ 4.25	\$ 16.95	\$ 31.80	\$ 53.00	\$ 90.10	\$ 81.62/M	\$ 74.20/M
2823 Lilo F1 Sweet	\$ 7.40	\$ 36.05	\$ 72.10	\$ 121.90	\$ 206.70	\$ 185.50/M	\$ 178.08/M
2805 Madonna F1 Sweet	\$ 6.30	\$ 35.00	\$ 72.10	\$ 111.30	\$ 185.50	\$ 164.30/M	\$ 148.40/M
2771 Milena F1 Sweet	\$ 6.85	\$ 50.90	\$ 111.30	\$ 194.00	\$ 360.40	\$ 349.80/M	\$ 343.44/M
2802 Olly F1 Sweet	\$ 5.30	\$ 41.35	\$ 84.80	\$ 116.60	\$ 206.70	\$ 180.20/M	\$ 175.96/M
2788 Oranos F1 Sweet	\$ 8.75	\$ 47.70	\$ 105.00	\$ 180.00	\$ 315.00	\$ 290.00/M	\$ 256.52/M
2791 Primero Red F1 Hot	\$ 5.25	\$ 24.40	\$ 50.90	\$ 94.35	\$ 169.60	\$ 164.30/M	\$ 148.40/M
2792 Red Ember F1 Hot	\$ 3.25	\$ 17.00	\$ 31.00	\$ 60.00	\$ 109.00	\$ 99.00/M	\$ 94.00/M
2779 Sprinter F1 Sweet	\$ 9.95	\$ 56.20	\$ 116.60	\$ 212.00	\$ 386.90	\$ 381.60/M	\$ 362.52/M
2797 Waldo F1 Sweet	\$ 5.30	\$ 40.30	\$ 82.70	\$ 125.00	\$ 232.00	\$ 199.00/M	\$ 180.00/M

PEPPER SEED - OPEN-POLLINATED - SOLD BY SEED COUNT	10	100	250	500	1 M	5 M	25 M
<b>new</b> 2834 Cubo Orange Sweet	\$ 3.25	\$ 16.45	\$ 28.00	\$ 46.00	\$ 71.00	\$ 64.00/M	\$ 56.80/M
2833 Early Jalapeño Hot	\$ 3.25	\$ 5.85	\$ 8.15	\$ 11.65	\$ 17.95	\$ 15.00/M	\$ 13.40/M
2824 Habanada Sweet	\$ 3.25	\$ 9.00	\$ 22.00	\$ 35.00	\$ 45.00	\$ 35.00/M	\$ 31.40/M
2810 Picnic Orange Sweet	\$ 3.25	\$ 9.90	\$ 16.20	\$ 25.20	\$ 36.00	\$ 27.60/M	\$ 22.32/M
2809 Picnic Red Sweet	\$ 3.25	\$ 9.90	\$ 16.20	\$ 25.20	\$ 36.00	\$ 27.60/M	\$ 22.32/M
2811 Picnic Yellow Sweet	\$ 3.25	\$ 9.90	\$ 16.20	\$ 25.20	\$ 36.00	\$ 27.60/M	\$ 22.32/M

Larger volumes available; please call for pricing.

PEPPERS



## Olly F1 Sweet Pepper

**Our earliest red bell pepper, Olly F1 wastes no time ripening in the field with brilliant red coloration and a vibrant, fresh sweetness.** Plants have excellent vigor and produce uniform, thick-walled peppers that have serious longevity in the field. An excellent candidate for short season growing regions and the early season slot. This reliable red will quickly earn its keep in your bell pepper assortment.

- Our earliest maturing red bell pepper
- Highly productive with excellent vigor
- Thick-walled and clean, 3-4" fruit



# Potatoes

*Solanum tuberosum*



*Trials team members Zach, Monique and Taylor evaluating Gold Rush and Satina potatoes from the trials field.*

**CULTURAL INFO:** A hardy, cool-season crop. Classified by early (65-80 days), mid (80-90 days) and late (90+ days) season varieties, referring to days to maturity. Can be planted 1-2 weeks before the last frost date in spring. Small potatoes (1-1.5" diameter) can be planted whole; larger potatoes can be cut into pieces. Each piece of the tuber should have at least one eye (dormant bud). Hill plants shortly after emergence and again three weeks later, making sure to cover all exposed tubers to avoid greening. Harvest 2 weeks after plants have died back. Cure in a dry, dark place. Store potatoes in a dark, moist area at 38-40°F.

**DISEASE & PESTS:** Prevent disease and recurrent pest pressure with crop rotations and cover cropping. The two most difficult potato diseases are scab and late blight. Scab is most severe in dry weather. Select resistant varieties and maintain good soil moisture. Late blight is severely destructive. Symptoms include water soaked areas at

the leaf tips that spread inwards and become dark brown and brittle after one or two days. Select resistant varieties, maintain good air circulation, and remove and destroy affected plants as soon as symptoms appear. The Colorado Potato Beetle (CPB) can be a significant pest; use spinosad to control organically.

**RESISTANCE KEY:** HR- High Resistance, IR- Intermediate Resistance, **EB-Early Blight**, **GN-Golden Nematodes**, **LB-Late Blight**, **PSCAB-Powdery Scab**, **PVY-Potato Virus**, **SCAB-Scab**, **VW-Verticillium Wilt**

**SEED SPECS:** Fingerling, 14-16 pieces/lb avg. Full size, 8-10 pieces/lb avg. **2.5 lb bag plants approx. 25'.** Planting rate: 10-12" apart in rows 30-36" apart.

**PLEASE NOTE: Potatoes begin shipping in the spring on or before April 16, 2022.** Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## WHITE FLESH

### 84092 **Dark Red Norland** *Early season*

OP • HR: **SCAB** • Widely adapted

**Outstanding red potato offers both great flavor and heavy yields, perfect for new potatoes.** Medium-large oblong, tubers with moist, firm, white flesh. Great for boiling and roasting. Developed for Northern growers and short seasons, but widely adapted to a range of conditions. Excellent resistance to scab and some field resistance to hollow heart and early blight noted. Developed by the North Dakota Agricultural College and released in 1957.

### 84025 **Purple Viking** *Early season*

OP • HR: **SCAB** • Compact habit • For fresh market

**Outstanding yields of spectacular, deep purple potatoes with rich flavor—a winner in our taste tests.** Bright white flesh is moist and firm, adaptable for many types of cooking. Vibrant purple skins are flecked with pink for an eye-catching, early market offering. Compact plants with big tubers—space closely to control size.

### **new** 84180 **Gold Rush** *Mid season*

OP • IR: **SCAB, VW** • Early russet • For fresh market • Excellent storage

**Attractive oblong tubers with smooth, russeted skin and white flesh.** With mid-season maturity, Gold Rush is considered an early russet that has shown resistance to hollow heart and drought. Flesh is dry and airy, perfect for frying or baking. Eyes are very shallow and well distributed on the tubers. Plants are medium to large with an upright growth habit.

### 84035 **Red Chieftain** *Mid season*

OP • HR: **SCAB** • Tolerates clay soil • Stores well

**Large, oblong red tubers with great flavor and storage potential.** Very attractive presentation with thin, coppery skin and shallow eyes. Delicious boiled and as a new potato with firm, moist flesh. Higher yielding in heavy clay soils than other reds and offers field resistance to late blight.

### 84010 **Burbank Russet** *Late season*

OP • HR: **SCAB** • Idaho-type • Stores well

**The most widely grown potato in the U.S., with heavily russeted tubers and flaky white flesh.** Flaky texture perfect for light and fluffy baked potatoes, crispy French fries and amazing hash browns. Shows some field resistance to blackleg, fusarium and blight. One of over 800 varieties created by American plant breeder Luther Burbank, who developed the original Burbank potato in 1875 at the age of 26, to combat the potato famine in Ireland.



Dark Red Norland



Purple Viking



Gold Rush



Red Chieftain



Burbank Russet



Elba



Adirondack Blue



Adirondack Red



Huckleberry Gold



Peter Wilcox



Yukon Gem



Satina



Yukon Gold



German Butterball

**84160 Elba** *Late season*

OP • HR: **EB, LB, SCAB** • Drought tolerant • Large plants • Stores well  
**High yields of large potatoes with buff skin and delicious, white flesh.** One of the most blight-resistant potatoes available with added scab resistance for excellent performance in wet or dry years. Firm, slightly waxy texture suitable for roasting, boiling, baking and salads. According to Paul Betz, Elba is "incredible mashed, standing up in amazing fluffy white peaks with delicious flavor." Excellent storage. Prone to hollow heart in wet climates.

**COLORFUL FLESH**

**84002 Adirondack Blue** *Mid season*

OP • High yields • Gourmet variety  
**A staple of the specialty culinary market with beautiful purple coloring throughout.** A replacement for All Blue. Our on-farm trials found that Adirondack Blue performed better all-around and is a more refined full-color variety. Dark purple skin with purple flesh that holds its coloring through cooking. Good for steaming or *au gratin*. Pair with Adirondack Red and Elba for a genuine red, white and blue potato salad.

**84175 Adirondack Red** *Mid season*

OP • IR: **LB, SCAB** • Resists hollow heart • Uniform shape • Stores well  
**Shimmering, ruby-red tubers with clean skins, red flesh and excellent yields.** This variety has comparable storage quality to Red Chieftain with specialty appeal from its beautiful, red flesh. Replaces All Red, producing tubers that are uniform in shape and size. Excellent for roasting and salads, the flattened, oblong potatoes are waxy and moist and turn a light shade of pink when boiled. These easy to grow, gorgeous potatoes are striking on a market table for fresh sales or enjoyed in the home garden.

**84150 Huckleberry Gold** *Mid season*

OP • IR: **SCAB, VVW** • Striking colors  
**Strikingly beautiful, purple-skinned potatoes with deep, yellow flesh.** Round to oval tubers that are high in antioxidants and have a low glycemic index. Good resistance to tuber malformations and less susceptible to hollow heart than Yukon Gold. Excellent for fresh market with good storage quality.

**84170 Peter Wilcox** *Mid season*

OP • HR: **GN, PSCAB** • Strong canopy • Beautiful texture • Stores well  
**Abundant yields of round to oblong, purple potatoes with vibrant, golden flesh.** The bright purple exterior of these earthy-flavored potatoes has striking visual appeal. Whether roasted, boiled, sliced or fried, the firm flesh makes it a versatile potato for the dinner plate. The specialty appeal of these potatoes makes them a desirable fresh-to-market variety, great for chefs, and a fun and exciting project in the garden. Plants are large and prolific offering great yields.

**new 84155 Satina** *Mid season*

OP • HR: **LB, SCAB** / IR: **PVY** • Smooth, buttery texture • Stores well  
**Oval round tubers with smooth as satin texture and yellow flesh and skin.** Excellent resistances lead to prolific plants and high yields with few culls. Tubers are so smooth that they almost appear polished. An incredible eating potato, the fine texture of both flesh and skin makes them well suited to being mashed, roasted or prepared in a potato salad. Excellent storage and good field resistance to tarnished plant bugs and leafhoppers.

**84130 Yukon Gem** *Mid season*

OP • HR: **SCAB** / IR: **LB** • Stores well  
**Bright gold skin, pink-hued eyes, yellow flesh and the same delicious flavor as its parent, Yukon Gold.** Round to oval tubers mature about 10 days later than Yukon Gold and are significantly higher yielding, especially in wet conditions. Smooth tan skin and dense, buttery yellow flesh for baking, boiling and frying. Originally developed in 1994 by a team at North Dakota State University.

**84100 Yukon Gold** *Mid season*

OP • Excellent flavor • Long storage  
**Versatile yellow-fleshed potato.** One of our bestsellers and a widely acclaimed star of European golden-fleshed potatoes. Renowned for its dense, buttery texture ideal for baking, boiling, soups and frying. Developed in the 1960s by a breeding team at the University of Guelph in Ontario, Canada.

**84020 German Butterball** *Late season*

HEIRLOOM • Large plants • Stores well  
**Unrivalled in creamy, buttery flavor and superb dense texture.** Very popular, versatile variety that is excellent boiled, roasted or fried. Pale yellow skin and golden flesh. "Great midsize potatoes, a little waxier than dry, amazing roasted, a good boiler. One of my favorites," says Paul Betz of High Mowing. Shows some field resistance to scab and late blight.

## FINGERLING

### 84075 **AmaRosa** *Mid season*

OP • HR: **SCAB** • Gourmet variety • Moderate storage

**Gorgeous burgundy skin reveals intensely dark red flesh rich in antioxidants.** High yielding with smooth, wine-colored skin and sweet, creamy red flesh that resists fading during cooking. Superb culinary quality—delicious fried, baked, boiled, steamed or as mouthwatering pink chips. If harvested new, handle gently to prevent skinning.

### 84140 **French Fingerling** *Late season*

OP • HR: **SCAB** • Gourmet variety • Strong yields

**Unique aesthetic with an outstanding flavor profile for culinary enthusiasts.** This fingerling has it all: excellent quality, strong yields and a color combination like you've never seen before. Smooth red skin and yellow flesh that is dappled with red. This specialty variety is great boiled, roasted or in soups.

### 84165 **Magic Molly** *Late season*

OP • IR: **LB** • Vigorous plants • Waxy texture • Stores well

**All-purple fingerling potato with excellent flavor and magical appeal.** The dark purple, almost-black color of the skin and flesh are retained when boiled, roasted, or baked. Can be harvested early as new potatoes. Excellent yields with some field resistance to late blight. The long, beautiful tubers are firm with slightly waxy flesh. Striking appearance stands out on a market table and is desirable to adventurous chefs. Bred by Bill Cambell of the Plant Materials Center in Palmer, Alaska.

### 84120 **Russian Banana** *Late season*

HEIRLOOM • HR: **SCAB** • Gourmet variety • Stores well

**Small yellow tubers set the standard for buttery fingerling flavor.** Yellow flesh is fine-grained and perfect for boiling, roasting and baking. Crescent-shaped tubers with tapered ends are wonderfully buttery, moist and tender. Easy to grow. First grown by early Russian settlers in the U.S.



AmaRosa



French Fingerling



Magic Molly



Russian Banana

POTATOES

#### SEED POTATOES - OPEN-POLLINATED - SOLD BY SEED WEIGHT

	1 lb	2.5 lb	20 lb*	40 lb*
84002 Adirondack Blue		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
84175 Adirondack Red		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
84075 AmaRosa Fingerling	\$ 11.60	\$ 5.94/lb	\$ 3.74/lb	\$ 3.05/lb
84010 Burbank Russet		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
84092 Dark Red Norland		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
84160 Elba		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
84140 French Fingerling	\$ 11.60	\$ 5.94/lb	\$ 3.74/lb	\$ 3.05/lb
84020 German Butterball		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
<b>new</b> 84180 Gold Rush		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
84150 Huckleberry Gold		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
84165 Magic Molly Fingerling	\$ 11.60	\$ 5.94/lb	\$ 3.74/lb	\$ 3.05/lb
84170 Peter Wilcox		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
84025 Purple Viking		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
84035 Red Chieftain		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
84120 Russian Banana Fingerling	\$ 11.60	\$ 5.94/lb	\$ 3.74/lb	\$ 3.05/lb
<b>new</b> 84155 Satina		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
84130 Yukon Gem		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb
84100 Yukon Gold		\$ 5.20/lb	\$ 2.37/lb	\$ 1.97/lb

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.

# Gold Rush Potato

**Introducing the perfect baking potato.** This early russet has shallow eyes and smooth, russeted skin. The white flesh is airy and light, begging to be fried or baked, exuding the totally satisfying potato flavor and texture you seek from a classic russet. Plants are large with good upright growth, and resistance to hollow heart and damage caused by drought.

- Mid season fresh for market
- Oblong tubers with smooth skin
- Resistant to hollow heart & drought



# Pumpkins

*Cucurbita spp.*

Monique and Taylor evaluate a bountiful harvest of Bellatrix F1 pumpkins.

PUMPKINS

**CULTURAL INFO:** Days to maturity are from direct seeding, subtract two weeks if transplanting. Pie pumpkins have been selected for flavor, texture and density of flesh. Specialty pumpkins have superior eating qualities in addition to their unique physical attributes. Jack O' Lantern pumpkins are strictly decorative, selected for shape, size, handle quality, uniformity, and durability. Start transplants 3-4 weeks before last frost or direct seed after soil temperature has reached 70°F. 85-95°F is optimal for germination. Tighter plant spacing will result in yields of smaller but more numerous fruit. Use black plastic mulch and floating row cover to increase soil and air temperature, as well as ward off cucumber beetles which can damage young seedlings; remove covers during flowering to allow pollination. Harvest before temperatures reach below 50°F. Cut stem near vine at least 2-3" from fruit. Move to a warm, dry, shaded location. Exposure to too much sun may bleach handles and cause sun scald.

**DISEASE & PESTS:** Powdery mildew (*Sphaerotheca fuliginea*) results in reductions in overall yields and quality of harvested fruit. Powdery mildew is difficult to control with fungicide applications because the fungi multiply rapidly and attach to the undersides

of leaves where they are difficult to reach with sprays. Some varieties have been developed with tolerance to Powdery mildew. Tolerant varieties can still become infected, but the plant is able to keep producing unblemished fruit. Black rot (*Didymella bryoniae*) is caused by the same fungus that causes gummy stem blight and results in fruit rot. Research indicates that control measures for Powdery mildew, including the use of PMT varieties, are also effective against black rot. In the case of black rot, the pathogen can be seed-borne and survive in crop residues.

**RESISTANCE KEY:** IR-Intermediate Resistance, **PM-Powdery Mildew**, **SCAB-Scab**

**SEED SPECS:** *C. pepo*, 140-250 (195 avg) seeds/oz, 2.3-4M (3.1M avg) seeds/lb. *C. moschata*, 280-375 (327 avg) seeds/oz, 4.5-6M (5M avg) seeds/lb. *C. maxima*, 90-160 (125 avg) seeds/oz, 1.5-2.6M (2M avg) seeds/lb. M=1,000. **1/8 oz approx. 25 seeds.** Direct seeding rate: 2 seeds every 18-36" in rows 5-6' apart. Transplants: 18-36" apart in rows 5-6' apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.



Baby Pam



New England Pie



Winter Luxury



Long Pie



Pie-Pita F1

## PIE - *C. pepo*

### 2818 Baby Pam 99 days

OP • Uniform size • Reliable harvest • 3-4 lb fruit

**Commercial standard for pie pumpkins with long handles and dry, bright orange skin.** Stringless, sugary flesh cooks down to a smooth, superior pie filling. Smaller and more uniform than New England Pie. Great for painting and carving, too. *Unavailable in 2022*

### 2830 Long Pie 100 days

HEIRLOOM • Stores well • 5-8 lb fruit

**The absolute best pie pumpkin for cooking, with virtually stringless, smooth orange flesh.** Also known as Nantucket Pie. Harvest green with an orange spot on the bottom, as Long Pie ripens in storage, turning completely orange outside as flesh sweetens inside. *Limited availability*

### 2838 Pie-Pita F1 100 days

HYBRID • Vining • Gourmet flesh • Hullless seeds • 2-3 lb fruit

**A dual-purpose fruit with bright orange, sweet flesh and light green hullless seeds.** A brilliant development in pie pumpkins from our friend Dr. Brent Loy at the University of New Hampshire: delicious, high Brix pie pumpkin flesh with the added bonus of hullless seeds inside. Each fruit yields on average 1/4 lb of seeds, which are perfect lightly salted and roasted. Vigorous, vining plants produce 3-4 pumpkins each. Average yield exceeds 500 lbs of seed per acre. A portion of the sales of this variety is paid to the breeder.

### 2840 New England Pie 105 days

HEIRLOOM • Stores well • 4-6 lb fruit

**Classic pie pumpkin with dry, stringless flesh and superior, thick consistency in pies.** Attractive fruits have dark orange skin with light ribbing and well-attached handles. Delicious flesh is not quite as sweet as Baby Pam but has better texture.

### 2828 Winter Luxury 105 days

HEIRLOOM • Velvety sweet flesh • 6 lb fruit

**Our sweetest pie pumpkin with elegant appeal.** Deep orange skin is decorated with silvery netting and slight ribs, giving it a magical appearance. Excellent for pie, cheesecake and soup. Similar to New England Pie in size with a shorter storage window.



**JACK O' LANTERN - *C. pepo***

**2826 Cider Jack F1** 90 days

HYBRID • **HMOS EXCLUSIVE** • IR: **PM** • Semi-bush habit • 10-14 lb fruit  
**A knock out Jack O' Lantern with smooth, bright orange skin and a well-attached handle.** Gorgeous medium sized fruits are smooth and attractive; perfect for painting or carving. Our earliest Jack with good yields of 2-3 fruits per plant. Bred by High Mowing in partnership with University of New Hampshire's Dr. Brent Loy. A portion of the sales of this variety is paid to the breeder.



**Cider Jack F1**



**Bellatrix F1**

**2821 Bellatrix F1** 95 days

HYBRID • HR: **PM** • Vining • Carving pumpkin • Strong stem • 20-25 lb fruit  
**A beautiful, bright orange carving pumpkin with strong, dark green stems and powdery mildew resistance.** Plants are vigorous and productive, yielding large 20-25 lb pumpkins that are ideal for Jack O'Lanterns. Fruit are nearly perfectly uniform, making this an excellent option for commercial producers growing for the decorative pumpkin market. Strong stems that dry well give each fruit a sturdy handle for ease of transportation. From our partners at Vitalis Organic Seeds. *Limited availability in 2022*



**Jack Straw**



**Howden**

**2841 Jack Straw** 100 days

OP • **BRED BY HIGH MOWING** • IR: **PM, SCAB** • Uniform fruit • 14-16 lb fruit  
**A smooth-faced Jack O'Lantern with dark orange skin and a hearty handle.** A great selection for roadside stands and porches with abundant yields of 8-14" tall pumpkins. Ripens late in the season, just in time for Halloween sales. *Unavailable in 2022*

**2820 Howden** 115 days

OP • Commercial standard • 25 lb fruit  
**The original Jack O' Lantern with rich orange color, deep ridges and sturdy handles.** Our most popular Jack O'Lantern among farmers and gardeners. Reliable and tolerant of black rot. Developed in the Berkshire Mountains by John Howden in the mid-1970s.

**SPECIALTY - *Cucurbita spp.***

**2832 Jack Be Little** 95 days

OP • 6-12 fruits per vine  
**Big fun comes in a very small package for kids and pumpkin-lovers far and wide.** Miniature, old-fashioned pumpkins are 3" wide by 2" tall and bright orange. Each plant will produce an average of eight pumpkins. Great for decorations and raw fruit can be hollowed out to make a cute serving dish. *C. pepo*



**Jack Be Little**



**Cinderella, Rouge vif d'Etampes**

**2845 Cinderella, Rouge vif d'Etampes** 99 days

HEIRLOOM • 15-20 lb fruit  
**Vivid red French heirloom reminiscent of the fairytale with its beautiful, whimsical appearance.** Large, flattened fruits with exceptionally deep orange flesh and strong, sweet flavor delicious in soups and purées. Shell is commonly used as a soup tureen. *C. maxima*

**2822 Black Futsu** 105 days

See Winter Squash, page 89.



**Black Futsu**

**GROWER'S CHOICE**

“ I adore **Winter Luxury**. Creamy, dense, ultra-sweet, with pastel orange flesh, this netted beauty makes it easy to justify firing up the oven. Our CSA clients are always impressed when it comes time to measure out the mash, and appreciate the ability to make not just one decadent pie, but 2 or 3, or sometimes more. ”  
**- Isabelle of Field Good Farms in Ontario**

PUMPKIN SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb	20 lb*
2818 Baby Pam - <i>Unavailable in 2022</i>	\$ 3.25	\$ 8.65	\$ 16.75	\$ 37.90	\$ 62.70	\$ 53.00/lb	\$ 49.19/lb
2845 Cinderella, Rouge vif d'Etampes	\$ 4.30	\$ 11.95	\$ 25.95	\$ 64.85	\$ 111.30	\$ 95.40/lb	\$ 82.68/lb
2820 Howden	\$ 3.25	\$ 7.75	\$ 18.00	\$ 44.00	\$ 63.00	\$ 57.00/lb	\$ 48.76/lb
2832 Jack Be Little	\$ 3.25	\$ 6.00	\$ 18.00	\$ 44.00	\$ 73.00	\$ 59.00/lb	\$ 49.75/lb
2841 Jack Straw - <i>Unavailable in 2022</i>	\$ 4.30	\$ 9.15	\$ 21.90	\$ 51.10	\$ 88.65	\$ 78.86/lb	\$ 69.88/lb
2830 Long Pie - <i>Limited availability</i>	\$ 3.45	\$ 9.55	\$ 20.15	\$ 48.75	\$ 84.80	\$ 79.50/lb	\$ 73.67/lb
2840 New England Pie	\$ 3.25	\$ 6.65	\$ 12.70	\$ 26.50	\$ 41.35	\$ 36.04/lb	\$ 31.27/lb
2828 Winter Luxury	\$ 4.90	\$ 11.95	\$ 37.85	\$ 81.10	\$ 141.00	\$ 116.60/lb	\$ 110.24/lb
PUMPKIN SEED - HYBRID - SOLD BY SEED COUNT	10	50	250	1 M	5 M	25 M	
2821 Bellatrix F1 - <i>Limited availability in 2022</i>	\$ 5.30	\$ 12.70	\$ 47.70	\$ 153.70	\$ 132.50/M	\$ 120.84/M	
2826 Cider Jack F1	\$ 4.50	\$ 15.00	\$ 48.00	\$ 135.00	\$ 109.00/M	\$ 98.00/M	
2838 Pie-Pita F1 Hullless	\$ 4.25	\$ 13.80	\$ 40.30	\$ 121.90	\$ 98.58/M	\$ 86.92/M	

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.

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**PUMPKINS**

# Radishes

*Raphanus sativus*

RADISHES

**CULTURAL INFO:** Days to maturity are from direct seeding. Radishes are hardy annuals. They can be direct seeded as soon as soil can be worked and are better adapted to the cooler temperatures and shorter days of spring and fall. Optimal soil temperature for germination is 65-85°F. Seedlings emerge within a few days. Thin if necessary to ensure even sizing. Plant every 10 days for a continual supply. Use floating row cover after seeding to prevent insect damage. Harvest radishes on time as they do not hold well in the field, especially in warm weather. Topped radishes will keep good

quality for 3-4 weeks if stored at near freezing temperatures with high humidity in semi-permeable containers.

**SEED SPECS:** 1.8-3.6M (2.7M avg) seeds/oz, 30-58M (44M avg) seeds/lb. M=1,000. **1/16 oz approx. 170 seeds.** Direct seeding rate: Garden type, 20 seeds/foot in rows 6-12" apart. Winter type and Daikon, 6-8 seeds/foot in rows 6-12" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.



Sora



Cherry Belle



Celesta F1

## ROUND RED

### 2855 Sora 23 days

OP • All season variety • Heat tolerant • 1" round roots

**A classic red radish with crisp, succulent roots.** Sora is a reliable all-season radish, but particularly excels in hot and dry conditions when other varieties are easily stressed. High-quality, uniform roots form attractive bunches and resist pithiness. Maintains shape in every season, even when roots become oversized. Our strain comes from the Swiss biodynamic seed company Sativa.

### 2874 Celesta F1 25 days

HYBRID • All season variety • Uniform 1" round roots

**A commercially-viable hybrid radish for organic growers.** Excellent root uniformity and hybrid vigor with good bolt tolerance. The highest rated variety in our trials across all seasonal slots, with very little splitting and strong, upright, compact foliage for easy harvest. Flavor is sweet and mild with a moderate spice. From our partners at Vitalis Organic Seeds. *Limited availability*

### 2850 Cherry Belle 25 days

OP • Easy to grow • Uniform .75-1" round roots

**Classic, smooth, red bunching radish with attractive, crispy white flesh.** Uniform roots are much less subject to pithiness than other radishes. Easy and fast to grow, with strong, widely adaptable tops. A well-loved heirloom from Holland that has long refrigerator storage, maintaining quality and flavor. An All-America Selections (AAS) winner.

## Sora Radish

**The classic red radish.** Sora is a high performing, reliable red radish with uniform roots and exceptional eating quality. A perfect variety for commercial production, Sora is an all-season performer that can handle adverse weather, especially heat and drought. A great candidate for succession planting throughout the season.

- All season variety with heat tolerance
- Delicious, uniform 1" roots
- White interior flesh resists pithiness



2851 **Pearl** 25 days

OP • Vigorous growth • Strong crack resistance • 1" round roots  
**Pearl-white, smooth round radish with improved uniformity and strong tops.**  
 With vigorous growth and strong crack resistance, Pearl is a workhorse white radish. Beautiful in a mix. Strong tops are especially suited to bunching. *Limited availability*



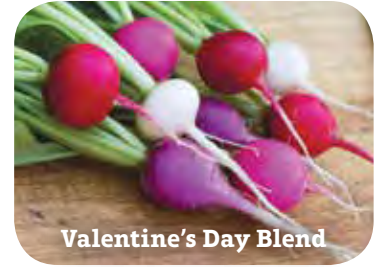
Pearl

2863 **Purple Plum** 25 days

OP • Improved strain • Resists cracking • 1-1.5" round roots  
**Vibrant purple roots with crisp texture and excellent resistance to splitting and pithiness.** This improved strain was grown from stock seed carefully selected by Turtle Tree for uniform root development and reliable maturity. The unique, bright purple skin contrasts beautifully to the pearl-white interior flesh. Vigorous, firm, and great for mixed bunches. *Unavailable in 2022*



Purple Plum



Valentine's Day Blend

2875 **Valentine's Day Blend** 25 days

OP • **HMOs EXCLUSIVE** • Eye-catching blend for market  
**Well-balanced blend makes a sweet impression.** An eye-catching blend sure to create a heartfelt sensation. Includes round red, pink, purple and white radishes for an early shot of color in an irresistible mixed bunch.

2860 **French Breakfast** 26 days

OP • Gourmet variety • 1-2" long roots  
**Eye-catching deep pink roots with bright white tips and excellent eating quality.** A French classic with oblong, blunt-tipped shape and healthy radish spiciness. Try them raw with butter and salt, or butter poached with sourdough bread and fresh herbs. Harvest on time; may become pithy if harvested late.



French Breakfast



Pink Beauty

2870 **Pink Beauty** 27 days

OP • Uniform shape • 1-1.5" round roots  
**Bright pink radish with crisp white flesh that completely resists pithiness.** Flesh has a distinctive and delicious flavor with pleasant, tender texture even when grown to large size. Attractive round to oval shape and medium-sized tops. Early, eye-catching spring offering.

2866 **White Icicle** 27 days

OP • Mild, pointed roots • Improved vigor and uniformity • 3-4" long roots  
**Bright white radish for striking salads.** Our improved strain from Swiss biodynamic seed company Sativa shows overall enhanced performance for a consistent harvest. Mild flavor and crunchy bite. Tops can be used as salad greens. *Limited availability*



White Icicle



Schwarzer Runder

2848 **Schwarzer Runder** 45-50 days

OP • Winter radish • Stores well • 2.5-3" round roots  
**Unusual jet-black skin makes a gorgeous contrast with the bright white flesh.** Also known as Black Winter radish with rich, spicy flavor excellent for salads and crudites. Coarse outer skin allows for exceptionally long storage in the ground or the root cellar. Often eaten in Germany as a "beer radish," served thinly sliced with salt and paired with a light beer. From our friends at Sativa Seeds.

2862 **Daikon** 50 days

OP • Winter radish • Stores well • Large 2-6 lb roots  
**Popular Japanese radish that can grow very large while remaining crisp and tender.** Pure white roots with pale green shoulders when exposed to sun. Excellent for pickling, fermenting or storage.



Daikon



Watermelon

2847 **Watermelon** 60 days

OP • Winter radish • Stores well • 2.5-3" round roots  
**White-skinned radish with mildly sweet, vibrant pink flesh for fall salads.** Chinese ball-shaped radish with crispy bright pink flesh, white skin and green shoulders. Excellent in salads, as a garnish or cooked. Best grown in fall and can store through winter.

RADISH SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT	1/16 oz	1/4 oz	1 oz	1/4 lb	1 lb	5 lb	20 lb**
2850 Cherry Belle	\$ 3.25	\$ 4.90	\$ 6.85	\$ 14.05	\$ 41.10	\$ 39.80/lb	\$ 37.80/lb
2862 Daikon	\$ 3.25	\$ 8.45	\$ 12.55	\$ 25.30	\$ 84.10	\$ 75.68/lb	\$ 67.84/lb
2860 French Breakfast	\$ 3.25	\$ 4.75	\$ 6.70	\$ 17.30	\$ 41.25	\$ 37.84/lb	\$ 32.86/lb
2870 Pink Beauty	\$ 3.25	\$ 3.80	\$ 5.70	\$ 13.00	\$ 38.95	\$ 35.72/lb	\$ 31.80/lb
2863 Purple Plum - <i>Unavailable in 2022</i>	\$ 3.25	\$ 5.30	\$ 9.80	\$ 29.70	\$ 98.00	\$ 83.00/lb	\$ 72.50/lb
2848 Schwarzer Runder	\$ 3.25	\$ 6.00	\$ 10.50	\$ 25.00	\$ 75.00	\$ 65.00/lb	\$ 49.75/lb
2875 Valentine's Day Blend	\$ 3.25	\$ 8.50	\$ 13.10	\$ 25.25	\$ 65.45	\$ 60.42/lb	\$ 56.18/lb
2847 Watermelon	\$ 3.25	\$ 8.50	\$ 15.90	\$ 37.10	\$ 116.60	\$ 98.58/lb	\$ 82.15/lb
2866 White Icicle - <i>Limited availability</i>	\$ 3.25	\$ 5.05	\$ 11.65	\$ 37.10	\$ 132.50	\$ 106.00/lb	\$ 95.40/lb
RADISH SEED - OPEN-POLLINATED - SOLD BY SEED COUNT	100	1 M	5 M	50 M	100 M	500 M	1000 M**
2851 Pearl - <i>Limited availability</i>	\$ 3.25	\$ 8.50	\$ 5.30/M	\$ 3.99/M	\$ 3.34/M	\$ 2.72/M	\$ 2.65/M
2855 Sora	\$ 3.25	\$ 4.75	\$ 2.17/M	\$ 1.42/M	\$ 1.33/M	\$ 1.22/M	\$ 1.05/M
RADISH SEED - HYBRID - SOLD BY SEED COUNT	100	1 M	5 M	50 M	100 M	500 M	1000 M**
2874 Celesta FI - <i>Limited availability</i>	\$ 3.80	\$ 10.30	\$ 6.04/M	\$ 3.99/M	\$ 3.35/M	\$ 2.88/M	\$ 2.81/M

Larger volumes available; please call for pricing. \*\*Please see shipping charges on page 62 for individual items weighing 20 lbs or more. \*\*For 1000M, add \$14.

# Spinach

*Spinacia oleracea*

Monique collects spinach yield data at the High Mowing trials farm.



SPINACH

**CULTURAL INFO:** Days to maturity are from direct seeding. Spinach is a cool-season hardy annual that thrives in fertile and moist soil. Spinach is sensitive to soil pH, preferring a range of 6.5-7.0. Direct seed as soon as soil can be worked in the spring and until early fall. Seed germinates best when soil temperatures are 32-60°F. Overwintered spinach is best started in late summer and harvested in late winter when days begin to get longer. Store washed spinach close to freezing and at high humidity for 10-14 days.

**DISEASE & PESTS:** Spinach is susceptible to downy mildew (*Peronospora farinosa* f. sp. *spinaciae*) and fusarium wilt (*Fusarium oxysporum* f. sp. *spinaciae*). Crop rotations help eliminate inoculum; choose resistant varieties. Cucumber mosaic virus, transmitted by

aphids, causes stunting and underdevelopment in plants. Control insect pressure by using row cover and controlling weed hosts.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **CMV-Cucumber Mosaic Virus, DM-Downy Mildew (races indicated if known)**

**SEED SPECS:** 1.5-3.7M (2.6M avg) seeds/oz, 25-60M (42M avg) seeds/lb. M=1,000. **1/4 oz approx. 640 seeds.** Direct seeding rate: Baby, 40 seeds/foot in a 2" band in rows 4-12" apart. Full size, 10 seeds/ft in rows 8-12" apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## SMOOTH LEAF



Verdil



Corvair F1



Space F1



Matador



Renegade F1

### 2869 Verdil 37 days

OP • Field variety • Spring • Strong emergence

**Very cold-tolerant, fast growing large leaf variety with pleasant, aromatic flavor.** An excellent choice for overwintering and early spring crops, this medium green leaf is ideal for steaming or salads. Verdil stood out with the best emergence of any variety in our spring trials. From biodynamic German breeders Kultursaat.

### 2887 Corvair F1 40 days

HYBRID • HR: **DM (1-11, 13, 15, 16)** • Field/tunnel • Spring/fall/overwinter • Upright habit

**Smooth, very attractive, oval leaves are medium to dark green and upright for easy harvesting.** High yield potential and widely adapted for spring or fall productions with some downy mildew resistance. Faster growth rate and crisper texture than Renegade F1, but not as bolt resistant, comparing best to Whale F1. Suitable for mechanical harvest. From our partners at Vitalis Organic Seeds. Precision sized. *Unavailable in 2022*

### 2879 Space F1 40 days

HYBRID • HR: **DM (1-3, 5, 6, 8, 11, 12, 14, 16)** • All-season variety

**Vigorous, all-season spinach with thick, glossy leaves that are smooth to slightly savoyed.** A favorite variety of commercial growers, the plants are highly resistant to downy mildew and perform well in variable weather for all-season production. Resistant to bolting with deep green leaves that maintain excellent flavor. A high yielder due to the long harvest window and exceptional field holding quality. From Bejo Seeds. Precision sized.

### 2878 Matador 43 days

OP • Field/tunnel • Fall/overwinter • Winter hardy

**Top-yielding variety with strong cold tolerance.** The growth habit of this plant makes for excellent baby spinach production and its smooth leaves allow for easy washing. From Kultursaat, biodynamic breeders in Germany, this variety outperforms other cold-tolerant varieties and develops exceptionally well when overwintered. *Limited availability in 2022*

### 2884 Renegade F1 43 days

HYBRID • HR: **CMV, DM (1-7, 11, 13, 15)** • Field/tunnel • All-season variety • Bolt resistant

**Ultimate bolt tolerance with smooth, dark green oval leaves.** Grows a bit slower than Corvair F1 but excels in quality of leaf when handled; never prone to brittleness or cracking. Good disease and virus resistance; ideal for winter high tunnels. Precision sized.

## GROWER'S CHOICE

“ It is difficult to germinate spinach for early to mid-fall harvests in our climate. **Space F1 spinach** is the solution, germinating far better than all other varieties we trialed and with faster growth in sub-optimum growing conditions for earlier harvests. **-Megan of Care of the Earth Community Farm in Tennessee** ”

## SEMI-SAVOYED LEAF

### 2881 **Regiment F1** 37 days

HYBRID • HR: **DM (1-7, 11, 13, 15)** • Field/tunnel • Spring/fall/overwinter • Giant leaf-type  
**Vigorous plants pack on the weight, producing healthy bunches in no time.** Very quick growing, lightly savoyed leaves with a distinctive arrowhead shape and bright-eyed, medium green finish. Excellent texture and mild flavor. Good resistance to bolting and can withstand extremely damp conditions. Precision sized.

### 2868 **Butterflay** 40 days

OP • Field variety • Spring/fall

**Productive variety sporting very large, glossy dark green leaves with rich flavor.** Butterflay stole the show among the hybrid and open-pollinated spinach varieties in our fall trials, exhibiting better vigor and emergence than any other variety, as well as unmatched intense green color.

### 2886 **Acadia F1** 45 days

HYBRID • HR: **DM (1-13, 15, 16)** • Field/tunnel • Spring/fall/overwinter • Baby leaf  
**Very dark, slightly savoyed leaves with extremely slow growth are utterly tailored to baby leaf production.** Gorgeous upright plants are super easy to harvest. Slightly cupped leaves have good loft and are easy to wash. Overwintered well in our trials and is slow to bolt in all seasons. Adaptable to spring and fall plantings. From our partners at Vitalis Organic Seeds. Precision sized.

### 2885 **Giant Winter** 50 days

OP • Tunnel • Fall/overwinter • Baby or full sized leaves

**Dark green, glossy leaves are deeply savoyed and selected for cold hardness.** High-yielding variety recommended for fall crops, winter greenhouse production, or overwintering outdoors under mulch. Incredibly cold hardy; specifically developed for overwintering for a spring crop.



Regiment F1



Butterflay



Acadia F1



Giant Winter

## SAVOYED LEAF

### 2877 **Abundant Bloomsdale** 45 days

OP • OSS1 • Tunnel/field • Spring/fall • Ideal for full sized leaves

**Delicious, glossy, dark green leaves with the most savoyed texture we've seen.** Thick, sweet-tasting leaves with rounded shape and juicy, succulent texture. Slow growing with very large, upright leaves in the mild Pacific Northwest and slightly more compact habit in our Northeast trials. Started at the Abundant Life Seed Foundation in 2002; breeding finished by a team of organic farmers with support from Organic Seed Alliance (OSA) and released under the Open Source Seed Initiative. A portion of sales from this variety supports OSA's breeding program. *Unavailable in 2022*

### 2880 **Bloomsdale Longstanding** 45 days

HEIRLOOM • Field or tunnel • Early spring/fall crop • Ideal for overwintering

**Very cold-hardy, dark green leaves with heavily savoyed texture.** For early spring and fall; good cold soil emergence but a tendency to bolt in the heat. Performs well in winter greenhouses or overwintered outdoors under mulch. David Landreth, founder of D. Landreth Seed Company, developed the original Bloomsdale spinach in the 1800s.

### 2889 **Winter Bloomsdale** 45 days

HEIRLOOM • HR: **CMV** • Tunnel variety • Fall/overwinter • Baby or full sized leaves

**Dark green leaves are more savoyed than Giant Winter.** Performs best as a fall crop, but also excellent as an overwintering option in greenhouses or high tunnels. A reliable green for winter CSA offerings, but does not perform well in the heat of summer. David Landreth developed the original Bloomsdale spinach in the 1800s. *Limited availability*



Bloomsdale Longstanding



Winter Bloomsdale



Abundant Bloomsdale

SPINACH

SPINACH SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT	1/4 oz	1 oz	1/4 lb	1 lb	5 lb	20 lb*		
2877 Abundant Bloomsdale - <i>Unavailable in 2022</i>	\$ 3.25	\$ 7.95	\$ 22.25	\$ 58.30	\$ 47.70/lb	\$ 36.04/lb		
2880 Bloomsdale Longstanding	\$ 3.25	\$ 7.95	\$ 22.25	\$ 58.30	\$ 47.70/lb	\$ 36.04/lb		
2868 Butterflay	\$ 3.25	\$ 6.15	\$ 17.80	\$ 41.10	\$ 27.88/lb	\$ 19.84/lb		
2885 Giant Winter	\$ 3.25	\$ 4.25	\$ 10.15	\$ 29.00	\$ 23.00/lb	\$ 17.50/lb		
2878 Matador - <i>Limited availability in 2022</i>	\$ 3.25	\$ 6.15	\$ 17.80	\$ 41.10	\$ 27.88/lb	\$ 19.84/lb		
2869 Verdil	\$ 3.25	\$ 6.15	\$ 17.80	\$ 41.10	\$ 27.77/lb	\$ 19.84/lb		
2889 Winter Bloomsdale - <i>Limited availability</i>	\$ 3.25	\$ 8.50	\$ 21.20	\$ 69.95	\$ 62.54/lb	\$ 55.65/lb		
SPINACH SEED - HYBRID - SOLD BY SEED COUNT	100	500	5 M	10 M	50 M	100 M	500 M	1000 M**
2886 Acadia F1	\$ 3.25	\$ 4.05	\$ 1.40/M	\$ 1.30/M	\$ 0.91/M	\$ 0.78/M	\$ 0.74/M	\$ 0.70/M
2887 Corvair F1 - <i>Unavailable in 2022</i>	\$ 3.25	\$ 4.10	\$ 1.40/M	\$ 1.10/M	\$ 0.94/M	\$ 0.78/M	\$ 0.73/M	\$ 0.68/M
2881 Regiment F1	\$ 3.25	\$ 4.10	\$ 2.01/M	\$ 1.38/M	\$ 1.17/M	\$ 0.85/M	\$ 0.83/M	\$ 0.80/M
2884 Renegade F1	\$ 3.25	\$ 4.25	\$ 2.07/M	\$ 1.59/M	\$ 1.38/M	\$ 1.11/M	\$ 0.98/M	\$ 0.78/M
2879 Space F1	\$ 3.25	\$ 4.10	\$ 2.01/M	\$ 1.20/M	\$ 1.10/M	\$ 0.94/M	\$ 0.84/M	\$ 0.82/M

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more. \*\*For 1000 M, add \$14.

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# Summer Squash

*Cucurbita pepo*

Zach harvests Ladoga F1 zucchini for yield data in the HMOS trials field.



**CULTURAL INFO:** Days to maturity are from direct seeding, subtract two weeks if transplanting. Summer squash are warm-season annuals in the cucurbit family, which includes winter squash, pumpkins, watermelons, cucumbers and melons. Direct seed as soon as all chance of frost has passed or start transplants 3-4 weeks before planting date. Optimum soil temperature for germination is about 85°F. Black plastic mulch and floating row cover can be used to increase soil and air temperature, as well as ward off cucumber beetles which feast on young seedlings and spread disease. Many growers plant multiple successions of summer squash during a season to ensure continuous harvest, transplanting the first succession immediately after last frost date and the final succession three months before the expected first frost. Best quality fruit are harvested at 5–8" or smaller, while skin is soft and somewhat glossy. Harvest fruits every other day for best size and quality and to maintain plants' productivity. Fruits are easily bruised and very perishable, but will store 1 to 2 weeks at 41-50°F with 90% relative humidity.

**DISEASE & PESTS:** Prevent disease and pest pressure by utilizing practices like crop rotation and cover cropping. Striped cucumber beetles cause feeding damage to leaves and flowers and

can transmit bacterial wilt. Row cover can provide protection, but must be removed during flowering for pollination. Squash vine borers can overwinter in the soil and cause stunted growth; best techniques for breaking cycles include crop rotation and annual cover cropping. Avoid widespread powdery mildew with proper plant spacing to allow good airflow.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **CMV-Cucumber Mosaic Virus, PM-Powdery Mildew, PRS-Papaya Ringspot Virus, WMV-Watermelon Mosaic Virus, ZYMV-Zucchini Yellow Mosaic Virus**

**SEED SPECS:** Zucchini, 155-260 (200 avg) seeds/oz, 2.5-4.2M (3.3M avg) seeds/lb. Summer Squash, 260-375 (315 avg) seeds/oz, 4.2-6M (5.1M avg) seeds/lb. Specialty, 220-280 (250 avg) seeds/oz, 3.5-4.5M (4M avg) seeds/lb. M=1,000. **1/8 oz approx. 30 seeds.** Direct seeding rate: Sow 2 seeds every 18-24", in rows 5' apart. Transplants: 18-24" apart in rows 5' apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## ZUCCHINI



### 2890 Green Machine F1 45 days

HYBRID • IR: **CMV, PM, WMV, ZYMV** • Open habit • Harvest at 7-8"

**Aptly named for cranking out uniform fruits of exceptional quality over a long season.** This vigorous variety produces nearly flawless, medium green fruits daily in the high season. With an open and upright habit for ease of harvest and disease resistances that keep plants healthy for the long haul, Green Machine F1 is consistently a top performer for commercial production. From Vitalis Organic Seeds.

### 2898 Mexicana F1 47 days

HYBRID • IR: **CMV, PM, PRS, WMV, ZYMV** • Open habit • Harvest at 6-8"

**Medium grey fruits with small end scars and attractive, tapered form.** Plants are single-stemmed and present a very open and upright growth habit, making for easy harvests. Skin and flesh are tender and sweet, and plants are highly productive long into the growing season.

### 2900 Dark Green 50 days

OP • Harvest at 6-8"

**Vigorous variety produces good yields of straight, smooth fruits.** An open-pollinated variety best suited to the home garden with abundant yields of lightly mottled dark green fruits. Pale greenish-white, firm flesh.

### 2909 Desert F1 50 days

HYBRID • IR: **CMV, PM, PRS, WMV, ZYMV** • Drought tolerant • Harvest at 7-8"

**Gorgeous fruits with strong disease resistance and exceptional fruit set in hot weather.** Dark green fruit with slight speckles are cylindrical and very attractive. Tall plants have a broad, open architecture which makes for easy picking. Impressive resistance to powdery mildew in our trials. Sister variety to Dunja F1.

### 2892 Dunja F1 50 days

HYBRID • IR: **PM, PRS, WMV, ZYMV** • Compact habit • Short spines • Harvest at 7-8"

**Excellent disease resistance and high yields of attractive, straight, green glossy fruit.** A true standout. When compared to market standards like Payroll F1, Dunja F1 outperformed them in powdery mildew resistance and overall yield. Plants are compact and single-stemmed with short spines.

### 2915 Goldy F1 50 days

HYBRID • IR: **PM** • Resists greening • Open habit • Harvest at 8-10"

**Long, slender fruits with bright yellow skin, white flesh and contrasting green stems.** Open habit with few spines makes harvesting easy. Heavy yields with a high percentage of marketable fruit. Mix with green zucchini for an eye-catching display. Similar to Sebring and Gold Rush, with less greening than Gold Rush. From our partners at Genesis Seeds.

**new** 2902 **Ladoga F1** 50 days

HYBRID • IR: **PRS, WMV, ZYMV** • Semi-spineless plants • Harvest at 6-8"  
**High yields of dark green, glossy fruit on semi-spineless, upright plants.** Plants are vigorous and very productive and have excellent staying power in the field. Uniform fruits are set high on vertical plant centers. The single stem, open plants, and small spines make for an easy and efficient harvest. From our partners at Bejo Seeds.

2899 **Yellowfin F1** 50 days

HYBRID • IR: **CMV, PM** • Compact, open habit • Harvest at 6-8"  
**Uniform, cylindrical fruits with bright yellow coloration.** Pure gold-colored fruits with buttery flavor simply glow at market. Compact, nearly spineless plants have an open habit for ease of harvest. Intermediate resistance to cucumber mosaic virus and powdery mildew for a reliable harvest even in challenging field conditions. From Vitalis Organic Seeds.

2901 **Cha-Ching F1** 52 days

HYBRID • **BRED BY HIGH MOWING** • Open habit • Harvest at 6-8"  
**Productive and vigorous zucchini.** Medium green glossy fruit is speckled and slightly tapered with a small blossom. Very open in habit, making for easy harvest and increased airflow to keep down disease. Introduced and produced by High Mowing. *Limited availability*

2895 **Costata Romanesco** 54 days

HEIRLOOM • Gourmet variety • Harvest at 6"  
**Wins every taste test with its unique, slightly nutty flavor and exceptional texture.** Italian heirloom with tender, gray-green skin and prominent ribbing that give this variety a distinctive appearance. Pick at 6" or smaller and fry whole with the flower still attached.

2897 **Dario F1** 55 days

HYBRID • HR: **PM** • Cocozelle-type • Upright, single stemmed • Harvest at 10-12"  
**Improved with more defined striping, open plant habit, disease resistance and attractive fruit.** Eye-catching variety with lime green stripes won us over in our trials with long, slender fruit that hold well after harvest. Open habit for easier picking. Sweeter flavor than most Cocozelle types. From our partners at Genesis Seeds.

2911 **Dark Star** 55 days

OP • Drought tolerant for dry farming • Uniform • Harvest at 6-8"  
**Stellar variety selected for drought tolerance, high-quality uniform fruit and high yields.** Dark green, glossy fruit on single-stemmed plants with great vigor. Bred for productive plants that establish easily without irrigation. Modern open-pollinated variety developed by Organic Seed Alliance and Eel River Produce in Humboldt County, CA.

2907 **Midnight Lightning** 55 days

OP • **OSSI** • **BRED BY HIGH MOWING** • PM tolerant • Harvest at 7-8"  
**Extra-long and slender zucchini with dark green, almost-black coloring.** Single-stemmed plants are sturdy and stems have few spines. Plants produce quickly and have good field resistance to disease. The first variety developed on our organic seed farm in Wolcott, Vermont and released through the Open Source Seed Initiative. *Unavailable in 2022*

2896 **Cocozelle** 58 days

OP • Bush habit • Uniform shape • Harvest at 6-8"  
**Productive, tasty Italian variety with attractively striped fruits.** Dark and light green striping is less defined than Costata Romanesco. Flavor is slightly nutty; milder than Costata but more flavorful than most zucchini. Straight fruit with very slight ribbing over the lighter green striping.

**YELLOW SUMMER SQUASH**

2893 **Supersonic F1** 48 days

HYBRID • Multipik type • Yellow straightneck • Harvest at 5-6"  
**Extra-early, yellow straightneck squash with high yields and continuous fruit set.** Plants are single-stem, with an open growth habit making them very easy to pick, and they exhibit the precocious yellow gene, a trait that shows up as a yellow stem on the fruit. This gene has shown evidence of the early development of color on baby fruit and limiting greening of mature fruit caused by cucumber mosaic virus and watermelon mosaic virus, increasing the harvest window. Bred by our partners at Seneca Vegetable Research. A portion of the sales of this variety is paid to the breeder.

2914 **Smooth Operator F1** 50 days

HYBRID • HR: **PM** • Spineless • Harvest at 6-7"  
**An elegant summer squash you can pick without pain.** Get ready for your easiest harvests ever: Smooth Operator F1 is highly refined both in plant architecture and smoothness. Upright, open habit plants are easy to access, quick to pick, and yield a gorgeous crop of long, slim fruit with very smooth skin. Part of the Slick Pik® series carrying the gl-2 glabrous gene developed by Dr. Brent Loy at the University of New Hampshire. A portion of the sales of this variety is paid to the breeder.

2908 **Success PM Straightneck** 50 days

OP • HR: **PM** • Uniform shape • Harvest at 6-7"  
**Prolific, disease-resistant plants with smooth, uniform and attractive fruit.** A breakthrough in open-pollinated summer squash; high yielding in our trials with over three months of abundant, disease-free harvest. Released by High Mowing and Cornell's Vegetable Breeding Institute. A portion of the sales of this variety is paid to the breeder.



Yellowfin F1



Ladoga F1



Cha-Ching F1



Costata Romanesco



Dark Star



Dario F1



Midnight Lightning



Cocozelle



Supersonic F1

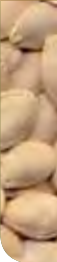


Smooth Operator F1



Success PM Straightneck

SUMMER SQUASH





Yellow Crookneck



Benning's Green Tint



Ronde de Nice



Y-Star F1

2910 **Yellow Crookneck** 50 days

HEIRLOOM • Prolific yields • Harvest at 5-6"

**Tender, lemon-yellow fruits.** Signature bent fruit are best harvested at 5-6" long or smaller for best flavor and texture. Our strain has been selected for yield, shape and quality. If left to overgrow, can be used for a dark yellow, warty ornamental gourd.

**SPECIALTY**

2912 **Benning's Green Tint** 52 days

HEIRLOOM • Patty pan-type • Harvest at 3-4" diameter

**Prolific patty pan with striking, pale green fruits that mature to a creamy white.** Bush habit of plants provides good coverage for dense clusters of scalloped-edge fruits. Listed on the Slow Food Ark of Taste as a distinctive food facing extinction. Excellent flavor profile when sautéed or stuffed, and a beautiful addition to squash mixes for market or kitchen harvests.

2916 **Ronde de Nice** 52 days

HEIRLOOM • Specialty crop • Harvest at 3-4" diameter

**Perfectly spherical light green fruits with white speckling—a unique specialty item.** Heirloom from southern France with nice nutty flavor and great texture for fresh eating or freezing. Round shape and small size make this variety perfect for stuffing.

2917 **Y-Star F1** 55 days

HYBRID • Patty pan-type • Prolific • Harvest at 2-4" diameter

**Golden saucer-shaped fruits with attractive, scalloped edges.** Plants begin producing early and remain prolific throughout the season. Excellent flavor; harvest when small and tender, about the size of a teacup.

**SUMMER SQUASH SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT**

	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb	20 lb*
2912 Benning's Green Tint Specialty	\$ 3.25	\$ 10.35	\$ 22.00	\$ 51.95	\$ 90.10	\$ 74.20/lb	\$ 66.25/lb
2896 Cocolle Zucchini	\$ 3.25	\$ 6.90	\$ 18.00	\$ 31.80	\$ 50.90	\$ 43.46/lb	\$ 37.37/lb
2895 Costata Romanesco Zucchini	\$ 3.25	\$ 7.95	\$ 25.45	\$ 68.90	\$ 100.70	\$ 90.10/lb	\$ 79.50/lb
2900 Dark Green Zucchini	\$ 3.25	\$ 5.55	\$ 10.60	\$ 27.55	\$ 41.35	\$ 33.92/lb	\$ 28.62/lb
2916 Ronde de Nice Specialty	\$ 3.25	\$ 8.05	\$ 23.30	\$ 37.00	\$ 56.70	\$ 50.88/lb	\$ 44.10/lb
2908 Success PM Straightneck Summer	\$ 3.25	\$ 7.95	\$ 14.50	\$ 38.00	\$ 55.00	\$ 51.00/lb	\$ 45.75/lb
2910 Yellow Crookneck Summer	\$ 3.25	\$ 8.15	\$ 14.75	\$ 39.00	\$ 65.00	\$ 49.00/lb	\$ 44.75/lb

**SUMMER SQUASH SEED - HYBRID - SOLD BY SEED WEIGHT**

	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb	20 lb*
2901 Cha-Ching F1 Zucchini - <i>Limited availability</i>	\$ 7.00	\$ 18.00	\$ 45.00	\$ 155.00	\$ 255.00	\$ 230.00/lb	\$ 192.50/lb

**SUMMER SQUASH SEED - OPEN-POLLINATED - SOLD BY SEED COUNT**

	10	50	250	1 M	5 M	25 M
2911 Dark Star Zucchini	\$ 4.20	\$ 10.00	\$ 20.55	\$ 66.00	\$ 50.88/M	\$ 42.19/M
2907 Midnight Lightning Zucchini - <i>Unavailable in 2022</i>	\$ 4.30	\$ 7.30	\$ 15.00	\$ 45.00	\$ 35.00/M	\$ 29.00/M

**SUMMER SQUASH SEED - HYBRID - SOLD BY SEED COUNT**

	10	50	250	1 M	5 M	25 M
2897 Dario F1 Zucchini	\$ 7.00	\$ 18.00	\$ 48.00	\$ 165.00	\$ 125.00/M	\$ 106.00/M
2909 Desert F1 Zucchini	\$ 4.25	\$ 16.70	\$ 31.25	\$ 110.25	\$ 97.52/M	\$ 88.62/M
2892 Dunja F1 Zucchini	\$ 4.25	\$ 16.70	\$ 31.25	\$ 110.25	\$ 97.52/M	\$ 88.62/M
2915 Goldy F1 Zucchini	\$ 8.05	\$ 29.50	\$ 66.80	\$ 189.20	\$ 145.86/M	\$ 127.62/M
2890 Green Machine F1 Zucchini	\$ 4.35	\$ 16.15	\$ 33.40	\$ 113.40	\$ 101.34/M	\$ 91.16/M
<b>new</b> 2902 Ladoga F1 Zucchini	\$ 7.90	\$ 18.40	\$ 42.40	\$ 127.20	\$ 116.60/M	\$ 108.12/M
2898 Mexicana F1 Zucchini	\$ 7.90	\$ 18.40	\$ 42.40	\$ 127.20	\$ 116.60/M	\$ 108.12/M
2914 Smooth Operator F1 Summer	\$ 7.40	\$ 15.90	\$ 43.00	\$ 130.00	\$ 98.00/M	\$ 90.00/M
2893 Supersonic F1 Summer	\$ 7.00	\$ 18.00	\$ 48.00	\$ 165.00	\$ 125.00/M	\$ 106.00/M
2917 Y-Star F1 Specialty	\$ 5.30	\$ 16.00	\$ 38.00	\$ 135.00	\$ 115.00/M	\$ 107.80/M
2899 Yellowfin F1 Zucchini	\$ 7.90	\$ 18.40	\$ 38.15	\$ 127.20	\$ 111.30/M	\$ 104.73/M

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.



# Space F1 Spinach

**You'll want to make some space for Space F1 Spinach.**

This tried and true, all-season spinach is a favorite for its high performance in variable conditions. Plants have exceptional field holding quality, providing a long harvest window. High-yielding plants resist bolting and retain great flavor.

- **Highly resistant to downy mildew**
- **Exceptional field holding quality**
- **Glossy leaves with excellent flavor**





# Winter Squash

*Cucurbita* spp.

Molly drives the water wheel transplanter down a row of fresh plastic mulch as the team plants Burgess Buttercup winter squash.

**CULTURAL INFO:** Days to maturity are from direct seeding, subtract two weeks if transplanting. Winter squash is a warm-season annual that can be direct seeded or transplanted once danger of frost has passed. Bush types provide less weed suppression and are typically planted closer than vining types for easier tractor cultivation and higher yields per acre. Start transplants 3-4 weeks before last spring frost. Black plastic mulch and row covers can be used to increase soil temperature for earlier planting. Harvest when fruits are full size, have a deep color and have hard rinds that can't be easily dented with a fingernail. Changing color of the ground spot from yellow to cream, gold or orange is another general indicator of ripeness. Cold temperatures below 45°F can cause chilling injury and reduce storage ability. To harvest, cut stem at least 2" from the fruit; a short or broken stem can lead to rot. Cure after harvest by keeping in a warm, dry location for a few days, then store at 50-55°F with 55-75% relative humidity and good air circulation.

Delicata and acorn squash do not need curing, but will not store as long as other varieties.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **PM-Powdery Mildew**, **ZYMV-Zucchini Yellow Mosaic Virus**

**SEED SPECS:** Acorn & Butternut, 260-375 (315 avg) seeds/oz, 4.2-6M (5.1M avg) seeds/lb. **1/8 oz approx. 40 seeds.** Buttercup & Spaghetti, 160-175 (165 avg) seeds/oz, 2.6-2.8M (2.7M avg) seeds/lb. **1/8 oz approx. 20 seeds.** Hubbard & Kuri/Kabocha, 90-125 (105 avg) seeds/oz, 1.5-2.5M (1.7M avg) seeds/lb. **1/8 oz approx. 12 seeds.** Delicata & Dumpling, 400-470 (435 avg) seeds/oz, 6.5-7.5M (7M avg) seeds/lb. **1/8 oz approx. 50 seeds.** M=1,000. Direct seeding rate: Sow 2 seeds every 18-24" in rows 5-6' apart. Transplants: 18-24" apart in rows 5-6' apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## ACORN - *C. pepo*

### **new** 2922 Table Sugar F1 80 days

HYBRID • HR: **PM** • Vining habit • 0.5-1 lb

**Dark green mini acorn with beautiful, sweet, golden interior and dark green skin.** Plants produce multitudes of glossy, mini fruits that are exceptionally sweet with deep, chestnut flavor. Leaves protect fruit from sunscald as they ripen. Perfect for single servings.

### 2926 Sugarbush F1 90 days

HYBRID • HMOS EXCLUSIVE • HR: **PM** • Compact bush habit • 2.25-2.75 lbs

**Heavy, attractive dark green fruits with sweet, deep orange flesh.** Nicely rounded fruits are about 5" wide with a small seed cavity. Compact bushy vines with strong powdery mildew resistance. Exceptional sweetness. Bred by Dr. Brent Loy at the University of New Hampshire. A portion of sales is paid to the breeder.

### 2920 Sweet REBA 90 days

OP • HR: **PM** • Semi-bush habit • 2-2.5 lbs

**High-yielding, uniform, disease-resistant variety that allows for good sugar production.** Resistant Early Bush Acorn (REBA) continues putting energy into developing sugars long after everything else has withered. Outperformed Table Ace F1 in bush habit, mildew resistance, yield, flavor, uniformity and ripeness in our trials. From our partnership with Cornell University. 4-5 fruits/plant. A portion of sales is paid to the breeder. *Unavailable in 2022*

## BUTTERNUT - *C. moschata*

### 2949 Havana F1 90 days

HYBRID • IR: **PM, ZYMV** • Semi-vining • Excellent storage • 3-4 lbs

**This midsized butternut holds like a champion in storage, maintaining both texture and flavor.** Uniform, blocky fruits have an even taper and traditional butternut color. A thick neck and a small seed cavity maximizes yields of nutty-tasting flesh. From Vitalis Organic Seeds.

### 2918 Nutterbutter 90 days

OP • **BRED BY HIGH MOWING** • Early and reliable • 2.5-3.5 lbs

**Uniform, personal-sized fruits with consistently nutty, sweet flavor.** Reliably matures in regions that have trouble ripening butternuts. Some tolerance of powdery mildew. Developed in our breeding program by Dr. Jodi Lew-Smith and selected for uniformity, bell-shape, early maturity, and great flavor.

### 2943 Brûlée 90-95 days

OP • Early mini butternut • Stores well • 0.5-1 lb

**A prolific and early producer of stout, personal-sized squashes with traditional butternut color.** Earlier and better storing than the popular Honeynut, Brûlée was also developed by Dr. Michael Mazourek at the Vegetable Breeding Institute at Cornell University. Uniform, squat fruits have a rich and savory flavor profile with just the right amount of sweetness. Very high yields on vigorous plants. A portion of sales is paid to the breeder. *Limited availability in 2022*



Table Sugar F1



Sugarbush F1



Sweet REBA



Havana F1



Nutterbutter



Brûlée

WINTER SQUASH



Waltham, Havana F1, Tiana F1, Nutterbutter, Brûlée, Honeynut



Tiana F1



Autumn Frost F1



Butterscotch PMR F1



Waltham



Honeynut



Bush Delicata



Sugar Dumpling F1



Delicata



Honey Boat

### 2948 Tiana F1 95 days

HYBRID • IR: ZYMV • Vigorous and productive • 2-2.5 lbs

**High-yielding organic hybrid with consistent quality fruit.** Stout, blocky shape, classic buff skin and bright orange internal color. Flesh is sweet with smooth, creamy texture. Among the highest yields of marketable fruit in NY and OR trials against market standards like Metro PMR. Shows some resistance to powdery mildew. *Limited availability*

### 2927 Autumn Frost F1 100 days

HYBRID • IR: PM • Specialty butternut • Stores well • 3-4 lbs

**Beautiful moschata squash with delicious butternut flavor and decorative appeal.** Don't be fooled by the decorative gourd-level beauty of this productive squash. The unique appearance houses a delicious flesh that is sweet, earthy, and reminiscent of your favorite butternut squash. Perfect for roasting, pies, and breads. It is an excellent storage crop, allowing you to enjoy the flavor and sales of this beautiful squash long after harvest.

### **new** 2924 Butterscotch PMR F1 100 days

HYBRID • IR: PM • AAS Winner • Semi-bush habit • 1-2.5 lbs

**Midsized fruit with outstanding flavor and texture set on compact, semi-bush plants.** Vines are short and manageable, making this a great candidate for the container garden, the home garden, and for tight plant spacing for increased production in the field. An AAS winner for its performance and exceptionally sweet, complex flavor. Bred by Johnny's Selected Seeds.

### 2940 Waltham 105 days

OP • Stores well • Vining • Uniform • 4-5 lbs

**By far the most widely grown open-pollinated butternut with delicious, finely textured, dark orange flesh.** Uniform fruit with smooth, tan skin that is easily peeled with a potato peeler. Our strain has been selected for uniformity of size, shape and yields. Excellent keeper if cured properly.

### 2942 Honeynut 110 days

OP • Short term storage • 0.5-1 lbs • Exceptional flavor

**Adorable, serving-size mini butternut with dark, golden tan skin and great, sweet flavor.** Delectable squash with uniform, butternut shape. Green unripe fruits; early planting is recommended for tan color. Field resistance to powdery mildew. Developed by the Vegetable Breeding Institute at Cornell University. A portion of this variety's sales is paid to the breeder.

## DELICATA & DUMPLING - C. pepo

### 2951 Bush Delicata 80 days

OP • PVP • IR: PM • Semi-vining habit • 1.5-2 lbs • AAS Winner

**Tidy plants with sweet, oblong fruits.** Delicious, smooth, nutty flesh with hints of butter and brown sugar. Skin starts creamy white with green stripes and flecks, curing to striped light yellow. Manageable plants spread only 4-6 feet. All-American Selections (AAS) winner bred by Molly Jahn and George Moriarty at Cornell University. A portion of the sales of this variety is paid to the breeder. *Unavailable in 2022*

### 2955 Sugar Dumpling F1 90 days

HYBRID • IR: PM • Semi-bush habit • Stores well • 1.5-2 lbs

**Perfect two-serving dumpling squash with creamy striped skin and very sweet flesh.** Deep orange, fine grained inner flesh. Bred for semi-bush habit, powdery mildew resistance and exceptionally high sugar content. 4-6 fruits/plant. Stores up to 6 months. Developed by Dr. Brent Loy at University of New Hampshire with High Mowing. A portion of the sales of this variety is paid to the breeder.

### 2950 Delicata 95 days

OP • Uniform fruit • 1-1.5 lbs

**Superbly sweet, tender flesh unique to Delicata.** Delicious baked or boiled and commonly eaten with the skin on. Our strain has been selected since 2001 for uniformity of size, shape and color as well as yields of sweet, soft-shelled fruit. *Limited availability in 2022*

### 2952 Honey Boat 100 days

OP • Exceptional flavor • 1-1.5 lbs

**Taste Honey Boat and you'll think you're truly tasting a spoonful of honey.** Many claim that this is the "sweetest squash in existence." Long fruits have the traditional green striping of Delicatas, but with coppery skin instead of the classic yellow. Holds well and keeps sweetness through storage. Developed by Oregon State University vegetable breeder Jim Baggett.

**GROWER'S CHOICE**

“ Winter Sweet F1 is a new farm favourite for its excellent flavour and exceptional storage qualities. We forgot a few in a bin and they were still sound quality in June from October harvest. ”  
—Nathan of Nith Valley Organics in Ontario

## KURI / KABOCHA - *C. maxima*

### 2960 **Red Kuri** 95 days

OP • Reliable in short seasons • 3-4 lbs

**Teardrop shaped red-orange squash from Japan.** Also known as Baby Red Hubbard or Orange Hokkaido, this variety has smooth, sweet, dry orange flesh. Reliable yields even in cool climates with short growing seasons. Improved High Mowing strain with enhanced uniformity.

### 2954 **Sunshine F1** 95 days

HYBRID • Semi-bush • AAS Winner • 3-5 lbs

**The standard-bearer for flavor and commercial production of kabocha squash.**

Unbeatable flavor and a vigorous, compact plant habit won Sunshine F1 an All-America Selections award in 2004 and growers have been singing its praises ever since. Flattened globe-shaped fruits have excellent flavor and tender, stringless texture. A great culinary variety for baking, mashing or pies. From the breeding team at Johnny's Selected Seeds.

### 2919 **Winter Sweet F1** 95 days

HYBRID • Excellent long storage • Taste test winner • 4-5 lbs

**Beautiful pale, greyish-blue fruit with flaky textured flesh and complex flavor that improves in storage.**

A stunning squash both in flavor profile and productivity, it has won our taste tests for its sweetness and depth of flavor. The flavor improves after 2 to 5 months of storage, making for great off-season sales. Fruit are approximately 4-5 lbs in weight and plants reliably produce 2 fruit per plant. A favorite variety of our trials team. Bred by Johnny's Selected Seeds.

## OTHER - *Cucurbita* spp.

### 2944 **Orangeti F1** 70 days

HYBRID • High yields • Unique color • 3-4.25 lbs

**A fun, colorful addition to kids' meals.** Fruits are oblong like a traditional spaghetti squash, but mature to a brilliant orange instead of pale yellow. Flesh is a vivid yellow-orange and pulls apart into "noodles" when cooked. Early maturing with very high yield potential. From our partners at Genesis Seeds. *C. pepo*

### 2945 **Spaghetti** 88 days

OP • Great flavor • 3-5 lbs

**Fork over the squash pasta.** Oblong light yellow fruits have very sweet flesh. Bake or boil this unusual vegetable and the flesh separates into noodles resembling spaghetti. Families love this kid-friendly vegetable—just top with sauce and serve. 4-5 fruits/plant. *C. pepo*

### 2925 **Baby Blue Hubbard** 95 days

OP • Uniform fruit • 5-7 lbs

**Highly marketable, scaled-down blue hubbard with smooth gray skin and sweet flesh.** Fruits are of consistent quality and teardrop shaped, with sweeter flesh than the standard Blue Hubbard. Our strain has been improved for uniformity on the High Mowing farm. Excellent trap crop for cucumber beetles, who love Blue Hubbard. *C. maxima*

### 2930 **Burgess Buttercup** 95 days

OP • Uniform fruits • Large, prolific vines • 3-5 lbs

**Dark green fruits with golden orange, stringless flesh and sweet, rich flavor.** A long-time New England favorite. Typically produces 10-12 fruits per plant, with vines reaching 15' long. Our improved strain has a high percentage of clean, non-warty and uniform squash. Fruits have a gray button on the blossom end. *C. maxima*

### 2822 **Black Futsu** 105 days

HEIRLOOM • Long-term storage • Excellent eating squash • 3-5 lbs

**Japanese heirloom with exceptional storage, unforgettable visual appearance and irresistibly sweet flesh.** This unique fruit is an ornamental treasure in fall. Fruit are bumpy and textured with frosted grey to russet skin when ripe. The delicious flesh is sweet raw or roasted, with light and fruity notes that hang delicately in each bite. Fruit ripens in winter storage, when the green halo between the flesh and skin disappears and skin turns from black to chestnut. Plants produce 3-5 squash per plant. *C. moschata*. Limited availability in 2022



Red Kuri



Sunshine F1



Winter Sweet F1



Orangeti F1



Spaghetti



Baby Blue Hubbard



Burgess Buttercup



Black Futsu

WINTER SQUASH

# GinFiz F1 Tomato

**An early hyloom tomato with serious visual impact and superior productivity for the greenhouse.** Plants

have an excellent disease package, resist shoulder cracking and produce large, delicious fruit.

- Resists shoulder cracking
- Yellow fruit with gorgeous red striping
- Heirloom flavor with hybrid vigor



WINTER SQUASH SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT							
	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb	20 lb*
2925 Baby Blue Hubbard	\$ 3.25	\$ 8.45	\$ 14.80	\$ 44.80	\$ 70.25	\$ 59.47/lb	\$ 50.46/lb
2822 Black Futsu - <i>Limited availability in 2022</i>	\$ 3.50	\$ 8.10	\$ 17.35	\$ 41.10	\$ 75.70	\$ 70.38/lb	\$ 63.81/lb
2943 Brûlée Butternut - <i>Limited availability in 2022</i>	\$ 5.30	\$ 9.55	\$ 23.30	\$ 74.20	\$ 116.60	\$ 79.50/lb	\$ 68.48/lb
2930 Burgess Buttercup	\$ 3.25	\$ 7.00	\$ 16.25	\$ 29.00	\$ 49.00	\$ 44.00/lb	\$ 41.75/lb
2951 Bush Delicata - <i>Unavailable in 2022</i>	\$ 3.25	\$ 8.50	\$ 23.30	\$ 70.50	\$ 127.75	\$ 107.06/lb	\$ 106.64/lb
2950 Delicata - <i>Limited availability in 2022</i>	\$ 3.25	\$ 7.95	\$ 18.80	\$ 48.75	\$ 81.60	\$ 72.08/lb	\$ 62.12/lb
2952 Honey Boat Delicata	\$ 4.00	\$ 9.55	\$ 29.70	\$ 79.50	\$ 132.50	\$ 126.14/lb	\$ 106.64/lb
2942 Honeynut Butternut	\$ 4.10	\$ 8.50	\$ 24.40	\$ 65.70	\$ 111.30	\$ 100.70/lb	\$ 89.68/lb
2960 Red Kuri	\$ 3.25	\$ 7.40	\$ 15.90	\$ 35.00	\$ 47.70	\$ 42.40/lb	\$ 38.00/lb
2945 Spaghetti	\$ 3.25	\$ 4.75	\$ 15.90	\$ 31.80	\$ 47.70	\$ 42.40/lb	\$ 38.80/lb
2920 Sweet REBA Acorn - <i>Unavailable in 2022</i>	\$ 3.25	\$ 7.40	\$ 19.25	\$ 47.70	\$ 74.20	\$ 63.60/lb	\$ 51.52/lb
2940 Waltham Butternut	\$ 3.25	\$ 5.25	\$ 14.00	\$ 30.00	\$ 50.00	\$ 45.00/lb	\$ 42.50/lb
WINTER SQUASH SEED - OPEN-POLLINATED - SOLD BY SEED COUNT							
	10	50	250	1 M	5 M	25 M	25 M
2918 Nutterbutter Butternut	\$ 5.30	\$ 12.20	\$ 27.55	\$ 63.60	\$ 53.00/M		\$ 48.76/M
WINTER SQUASH SEED - HYBRID - SOLD BY SEED COUNT							
	10	50	250	1 M	5 M	25 M	100 M
2927 Autumn Frost F1 Specialty Butternut	\$ 4.75	\$ 15.90	\$ 35.00	\$ 95.00	\$ 85.00/M	\$ 79.80/M	\$ 76.50/M
<b>new</b> 2924 Butterscotch PMR F1 Butternut	\$ 7.40	\$ 13.80	\$ 28.00	\$ 75.00	\$ 69.00/M	\$ 63.80/M	\$ 60.15/M
2949 Havana F1 Butternut	\$ 4.75	\$ 12.75	\$ 40.00	\$ 125.00	\$ 116.00/M	\$ 98.00/M	\$ 94.50/M
2944 Orangeti F1 Spaghetti	\$ 5.40	\$ 17.35	\$ 48.75	\$ 141.00	\$ 128.26/M	\$ 122.96/M	\$ 114.08/M**
2955 Sugar Dumpling F1	\$ 7.40	\$ 13.80	\$ 31.00	\$ 98.00	\$ 85.00/M	\$ 78.00/M	\$ 72.50/M**
2926 Sugarbush F1 Acorn	\$ 7.40	\$ 13.80	\$ 35.00	\$ 105.00	\$ 87.00/M	\$ 75.60/M	\$ 68.50/M**
2954 Sunshine F1 Kabocha	\$ 5.30	\$ 16.95	\$ 42.40	\$ 105.00	\$ 85.00/M	\$ 78.00/M	\$ 65.00/M
<b>new</b> 2922 Table Sugar F1 Acorn	\$ 5.40	\$ 17.35	\$ 52.00	\$ 185.00	\$ 150.00/M	\$ 136.00/M	\$ 112.50/M**
2948 Tiana F1 Butternut - <i>Limited availability</i>	\$ 5.30	\$ 18.00	\$ 37.10	\$ 113.40	\$ 104.94/M	\$ 94.34/M	\$ 87.19/M
2919 Winter Sweet F1 Kabocha	\$ 4.25	\$ 10.00	\$ 32.00	\$ 99.65	\$ 90.10/M	\$ 82.68/M	\$ 77.50/M

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more. \*\*For 100 M pepo varieties, add \$14.

# — High Mowing TRIALS FARM —

*Taylor Maida, Trials Farm Manager at High Mowing Organic Seeds*



At High Mowing, the dedicated work of our Product Development team and specifically the efforts of our Trials team led by Manager, Taylor Maida, allow us to bring our growers the very best of what is available in organics today.

Throughout each year, the Product Development team meets to identify potential "slots," or crops with specific and desirable attributes. These slots could be things like a colorful snap pea, or a short-day red onion. Once these slots are prioritized, Taylor connects with vendors and breeders to identify existing or up-and-coming varieties. These materials are being developed by a range of partners including large companies, independent breeders, farmers, universities, hobby gardeners, and others. If the material can be located and sourced organically, now or in the future, seeds are brought to the Trials farm to be grown out and evaluated by the Product Development and Trials teams.

When asked what her biggest challenge is in her work, Taylor explained, "Convincing seed vendors to start producing organic seed—or licensing the material to us to be produced by others who are willing to do it organically—and continuing these productions going forward." The seed marketplace is an industry that spans

the world. The organic seed marketplace is a small sliver of this global business and people like Taylor are instrumental in pushing more seed breeders and companies to prioritize the development of organic varieties. "I think it is important to find the best organic varieties that will reliably work for people with something special about them, whether it be how good it tastes, how well it stores, how well it holds up to disease, how slow it is to bolt, and/or how high-yielding it is."

Beyond the beneficial role our Trials farm plays in solving production problems for growers, the Trials farm itself feeds High Mowing staff through a season long CSA, and the surrounding community through produce donations to local organizations like Salvation Farms. It serves as a gathering place for our partners and organic seed breeders who come to talk shop and see how their varieties are performing in the field. The efforts of Product Development and Trials help meet the challenges of the moment, but also serve as High Mowing's opportunity to help shape the future. Lastly, the beautifully biodiverse fields of organically grown vegetables, herbs, and flowers create habitat for multitudes of organisms with whom we share our home.

**H**ere at High Mowing, we feel honored to be a part of a global community invested in supporting and expanding the organic agriculture movement. It is through the collaborative, beneficial work of so many passionate people and organizations with specialized knowledge and skills that we are able to source and provide productive varieties of heirlooms, open-pollinated, and hybrid crops specifically suited for organic growing systems.

# Tomatoes

*Solanum lycopersicum*



Farm owner Chris and Noah of Sparta Gardens harvesting Copia and Brandywine tomatoes from their high tunnel in Sparta, Georgia.

**CULTURAL INFO:** Days to maturity are from transplant. Tomatoes are warm-season tender annuals in the Solanaceae family. Indeterminate types ripen mid-to-late summer, bear fruit over a long period of time and require pruning and support. Determinate types ripen early, have a concentrated fruit set, shorter growth habit, and support may not be required. Start seeds 6-8 weeks before planting date. Optimal soil temperature for germination is 75-85°F. Transplant after danger of frost has passed. Harvest tomatoes fully ripe or when half ripe and ripen off the vine at temperatures above 70°F. Store between 55-70°F with 95% relative humidity.

**DISEASE & PESTS:** Early blight is caused by *Alternaria solani* and *Alternaria alternata* in cooperation with *Septoria lycopersici*. Early blight is best treated early. Late blight, *Phytophthora infestans*, is increasingly becoming an issue for growers. Prevent both with good airflow, tolerant varieties, organic fungicide and sulfur sprays. Prevent all disease by using disease-free seed, avoid contact with wet plants during moist conditions, and immediately remove and

destroy infected plant material to prevent spread.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **ASC-Alternaria Stem Canker**, **BS-Bacterial Speck**, **CR-Corky Root**, **EB-Early Blight**, **FCR-Fusarium Crown & Root Rot**, **FW-Fusarium Wilt**, **GLS-Grey Leaf Spot**, **LB-Late Blight**, **LM-Leaf Mold**, **PM-Powdery Mildew**, **NEM-Root Knot Nematodes**, **SLS-Septoria Leaf Spot**, **TANV-Tomato Apex Necrotic Virus**, **ToMV-Tomato Mosaic Virus**, **TSWV-Tomato Spotted Wilt Virus**, **VW-Verticillium Wilt**

**SEED SPECS:** Cherry & Saladette, 280-420 (350 avg) seeds/gram, 8-12M (10M avg) seeds/oz. Full size, 225-335 (280 avg) seeds/gram, 6.5-9.5M (8M avg) seeds/oz. M=1,000.

**1/10 gm approx. 30 seeds.** Transplants: Determinate, 12-24" apart in rows 5-6' apart. Indeterminate, 16-36" apart, depending on cultural practice, in rows 5-6' apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## GREENHOUSE

### 2971 **Toronjina F1** 55 days

HYBRID • HR: **LM, FW (0-1), ToMV (0-2)** • Indeterminate • Truss harvest • .75 oz  
**Orange cherry with sensational, juicy, sweet flavor.** Finally an organic rival for the beloved Sungold F1. A medium sized orange cherry with slightly thicker skin than Sungold F1. Perfect for high tunnels but tends to crack in the field if not harvested regularly. Showed good field tolerance to late blight in our trials.

### 3006 **Bartelly F1** 60 days

HYBRID • HR: **LM, ToMV** • Indeterminate • Truss harvest • .75 oz  
**Delicious, disease-resistant cherries for unheated greenhouses and high tunnels; also performs well in the field.** Knocked our socks off with its sweet, well-balanced flavor. Slightly oval fruits developed for growing in unheated organic, low-input greenhouses; also suitable for heated greenhouse culture. Healthy, vigorous plants are well-branched. From our partners at De Bolster Organic Seeds.

### **new** 2989 **GinFiz F1** 65 days

HYBRID • HR: **FCR, LM, ToMV (0-2), VW, TANV** • Indeterminate • 10-14 oz  
**Gorgeous, large yellow fruits with beautiful red stripes on highly productive plants with excellent disease resistance.** These striking hyloom tomatoes combine the flavor, texture and colors of a Striped German tomato with the disease package and productivity of a modern hybrid. Early yielding with tolerance to shoulder cracking. GinFiz F1 is a generative plant and benefits from grafting and single leader production. From Vitalis Organic Seeds.

### **new** 2997 **Enroza F1** 70 days

HYBRID • HR: **FCR, FW, LM, ToMV(0-2), VW, TANV** / IR: **GLS** • Indeterminate • 12 oz  
**Clean, round fruits with rose coloration on high-yielding plants with delicious, balanced flavor.** Highly productive plants set fruit continuously, providing a long harvest window. Plants have excellent disease resistance for high tunnel production. Fruit is dense, juicy and remarkably clean and uniform, making for a unique, desirable pink tomato with exceptional, commercial performance.

### **new** 2996 **MaiTai F1** 70 days

HYBRID • HR: **FCR, FW (0,1), LM, ToMV(0-2), VW, TANV** • Indeterminate • 6-10 oz  
**Attractive, round yellow greenhouse tomato with a beautiful red blush on blossom end.** Fruit has high eating quality with a rich, sweet and tangy flavor. Skin is thin, adding to its delicate, refined texture. Plants have good vigor and are highly productive with leaf mold resistance for improved high tunnel production. From Vitalis Organic Seeds.

### 2978 **Sakura F1** 70 days

HYBRID • HR: **FW (0-1), LM, ToMV (0-2)** / IR: **NEM** • Indeterminate • Truss harvest • 1 oz  
**Excellent hybrid cherry for the field or greenhouse with perfect, uniform, bright red fruits.** Juicy, flavorful fruits hold well on the vine, allowing for harvest of entire trusses for an attractive display. Yields an impressive 10-12 fruits per truss. Some tolerance of silvering.



Toronjina F1



Bartelly F1



GinFiz F1



Enroza F1



MaiTai F1



Sakura F1



Cuba Libre F1



Arbason F1



Caiman F1



Cherokee Purple



Pruden's Purple



Damsel F1



Cherokee Carbon F1



German Johnson



Brandywine



Copia

**2987 Cuba Libre F1** 72 days

HYBRID • HR: **FW (0-1), LM, TANY, ToMV (0-2)** / IR: **PM** • Indeterminate • 6.6-8.6 oz  
**Gorgeous, purple fruits with a clean, round appearance on vigorous, tidy plants.** This heirloom has all the beauty of an heirloom with the vigor of a selected hybrid. Producing abundantly in the greenhouse, plants are compact and covered in fruits bursting with flavor. Coloration is similar to Cherokee Purple with slightly less pronounced green shoulders. An attractive fruit for commercial production. From Vitalis Organic Seeds.

**3102 Arbason F1** 80 days

HYBRID • HR: **FW (0-1), ToMV (0-2), VW** • Indeterminate • 7-9 oz  
**Reliable producer of large, high-quality tomatoes with good flavor.** Outperformed Buffalo F1 and Trust F1 for flavor and yields in University of Maine trials. Harvest when fully ripe for best flavor; resists cracking. Prune to 4-5 fruits/cluster for larger fruit. From our partners at Vitalis Organic Seeds. *Limited availability*

**3171 Caiman F1** 80 days

HYBRID • HR: **FW, LM, ToMV, VW** / IR: **NEM, TSWV** • Indeterminate • 12 oz  
**Large disease-resistant red greenhouse tomato with full, rich flavor and attractive creased shoulders reminiscent of an heirloom.** Shiny, bright red fruits grow in clusters of 4-6 on vigorous plants and hold well on the vine. Plants have short internodes and good fruit set even in hot weather. Recommended for the field or high tunnels.

**BEEFSTEAK - 12-16 oz**

**3052 Cherokee Purple** 72 days

HEIRLOOM • Indeterminate • Field or greenhouse • 12-16 oz  
**Large beefsteak fruits with mauve-purple skin, green shoulders and red flesh.** The most popular of the "black" tomatoes for its outstanding flavor and texture. Widely grown by gardeners and market growers alike. A popular heirloom for the greenhouse. Believed to trace back over 100 years to the Cherokee tribe.

**3090 Pruden's Purple** 72 days

HEIRLOOM • Indeterminate • 12-16 oz  
**Rivals Brandywine as the best-flavored heirloom tomato with silky texture.** Pruden's is not really purple, but rather a deep pink with slight shoulder ribbing. Fruits are large, often close to 1 lb each, but smaller with a more refined fruit shape than Brandywine and without the hard core. Plants have potato-shaped leaves.

**3008 Damsel F1** 73 days

HYBRID • HR: **LB, NEM, VW** • Indeterminate • Field or greenhouse • 12 oz  
**Heirloom color and flavor in a late blight-resistant pink tomato.** Our customers have been consistently impressed with the flavor of this tomato, saying that it's a strong seller at markets. This variety performs like a hybrid but tastes like an heirloom. A farmer trialing it in Massachusetts said she couldn't keep up with her chefs' orders because they loved that it held for several days at peak ripeness. Yields are strong and vines are moderately vigorous, though skin may crack under stress. Bred by Dr. Jason Cavatorta of EarthWork Seeds.

**2994 Cherokee Carbon F1** 75 days

HYBRID • Indeterminate • Field tomato • Crack resistant • 10-12 oz  
**Dusky purple beefsteak tomato developed from a cross between two taste-test-winning heirlooms.** This remarkable tomato boasts the resiliency and crack resistance of a hybrid plant while still maintaining the beauty and flavor of the heirlooms that created it. A perfect mix of Cherokee Purple and Carbon, this tomato provides for the greatest tomato sandwich you have ever had. Tall plants are prolific and productive and will generate fruit all the way up to first frost. From our partners at Pan American Seed.

**3063 German Johnson** 75 days

OP • Indeterminate • 8-16 oz  
**High-yielding, vigorous plants with deep pink fruits bearing earlier than other Brandywine-types.** Medium sized fruits are crack-resistant, have few seeds and are good for slicing, cooking, or canning. Fruits are acidic with a creamy texture and exceptional flavor.

**3050 Brandywine** 82 days

HEIRLOOM • Indeterminate • 16 oz  
**Big, beautiful fruits that first brought recognition to the term heirloom.** Well known and loved for its perfect flavor balance of sugars and acids. Delicious, deep rose-scarlet flesh is smooth and incredibly juicy. Pick just before ripe to avoid cracking. Potato-leaf variety. *Limited availability in 2022*

**3053 Copia** 85 days

OP • Indeterminate • 12-16 oz  
**Unique, large gold fruits with a blend of orange/red and green/red striping.** Sweet, juicy flesh is swirled with color throughout. Eye-catching variety for farmers markets. Stabilized by Jeff Dawson, this Green Zebra and Marvel Stripe cross is named for COPIA, the American Center of Food, Wine and the Arts in Napa, CA. *Limited availability*

**SLICERS - 8-12 oz**

**2995 Galahad F1** 55 days

HYBRID • HR: **FW (1-3), GLS, LB, TSWV, VW** / IR: **NEM** • Determinate • 9-10 oz  
**High-yielding, compact plants covered in delicious, crack-resistant tomatoes with sweet, meaty flesh.** These vibrant red tomatoes have broad shoulders and excellent disease resistance to late blight. The large, clean fruits produce abundantly on compact, sturdy plants and have great field holding quality. An AAS Winner that is as delicious and flavorful as it is productive.



**Galahad F1**



**Mountain Princess**

**3080 Mountain Princess** 68 days

HEIRLOOM • Determinate • 8-10 oz  
**Mountain sweet goodness; ideal for CSAs.** Perfectly rounded fruits with crowd-pleasing mild sweet flavor. Very productive and early; great for short, cool seasons. A customer favorite for containers, six-pack sales and CSAs. Grown for generations in the Monongahela National Forest region of West Virginia.

**new 3029 Mountain Merit F1** 75 days

HYBRID • HR: **FW(1-3), NEM, GLS, VW** / IR: **LB, TSWV** • Determinate • 8-10 oz  
**Flavorful, determinate red slicer for the field with exceptional disease resistance.** High performing, outdoor slicer with large disease package and regional adaptability. An All American Selections Winner for superior productivity and flavor, fruit is deep red with firm flesh. Excellent field-holding quality and very reliable in variable conditions. From our partners at Bejo Seeds.



**Mountain Merit F1**



**Marmalade F1**

**3165 Marmalade F1** 78 days

HYBRID • **HMOS EXCLUSIVE** • IR: **FW, VW** • Semi-determinate • 8-10 oz  
**Finally, an orange slicer as sweet as the reds.** Formerly called Sunkist F1. Perfect unblemished fruits are slightly flattened with firm flesh. Works well in the greenhouse or field. Bred by Dr. Brent Loy of the University of New Hampshire. A portion of the sales of this variety is paid to the breeder.

**MIDSIZE - 4-8 oz**

**2976 Moskvich** 60 days

HEIRLOOM • Semi-determinate • Field or greenhouse • 4-6 oz  
**High-quality, early-season red heirloom that rivals hybrids.** Fruits are round to slightly flattened with deep red color and luscious, rich flavor. Great eaten fresh or processed. Highly resistant to cracking, making it a great pick for the greenhouse. Like all Russian tomatoes, it can stand up to cool conditions.



**Moskvich**



**Crimson Sprinter**

**3086 Crimson Sprinter** 65 days

OP • Semi-determinate • Prolific • 5-7 oz  
**Brilliant, candy-apple red fruit and strong performance in cool conditions.** Medium sized mild fruits are early, abundant and ripen well on the vine. The earliest cultivar to carry the famous crimson gene for high lycopene. Holds well due to its thick skin. Developed by Professor T. Graham in Guelph, Ontario. *Limited availability*

**3064 Indigo Apple** 70 days

OP • Indeterminate • 4-6 oz  
**Beautiful and early variety with fruits that turn shiny black in the sun.** Rich in the powerful antioxidant anthocyanin, these large, stunning fruits offer mild, aromatic tomato flavor improved by full ripening from shiny black to matte purple. Resists cracking and sunscald with some resistance to late blight. Bred by Brad Gates using an original cross made by PKS Heirlooms in Copemish, MI.



**Indigo Apple**



**Iron Lady F1**

**3062 Iron Lady F1** 75 days

HYBRID • HR: **EB, FW (1,2), LB, SLS, YVW** • Determinate • 5 oz  
**Fight the blight with this disease-resistant red slicer.** Impressive resistance to late blight, early blight, septoria and more. Fine-textured fruit is both dense and juicy with good tomato flavor. Must be planted away from other tomatoes to prevent early blight. From our collaboration with Cornell University and North Carolina State University. A portion of the sales of this variety is paid to the breeder. *Limited availability*

**3056 Rose de Berne** 75 days

HEIRLOOM • Indeterminate • Resists cracking • 4-8 oz  
**Beautiful rose-pink Swiss heirloom with big flavor and crack resistance.** A chart topper in our taste tests, the medium sized fruits, with soft yet durable skin, have an even balance of acidity and sweetness that is perfect for a sandwich or in a quick tomato sauce. Earlier to ripen than other larger varieties and a consistent producer well into the season.



**Rose de Berne**



**Rutgers**

**3105 Rutgers** 75 days

OP • IR: **ASC, FW, LM, VW** • Indeterminate • Resists cracking • 6-8 oz  
**Developed for the canning industry; hearty tomato flavor and meaty texture.** Bright red fruit with a small seed cavity and good color throughout, good for slicing or canning. Widely adapted and crack-resistant. Developed in 1934 by Rutgers University in cooperation with Campbell's Soup for the New Jersey canning industry.

**TOMATOES**



Tasti-Lee F1



Green Zebra



Mountain Magic F1



Pink Boar



Matt's Wild



Valentine F1



Esterina F1



Jasper F1



Black Cherry



Cherry Bomb F1

**3031 Tasti-Lee F1** 75 days

HYBRID • HR: **FW (I-3), VV** • Determinate • Good leaf cover • Superior flavor • 6-9 oz  
**Impressive producers of brilliant red fruits with extended eating quality post-harvest.** These determinate plants produce abundant crops of slightly flattened fruits that maintain excellent eating quality long after picking. Plants provide shade to ripening fruit, protecting developing tomatoes from sunscald. Highly resistant to both fusarium wilt and verticillium wilt, it is a standout performer in both the greenhouse and the field. The perfect balance of sweetness and acidity makes this tomato a favorite of those who love the classic red tomato. From our partners at Bejo Seeds.

**3065 Green Zebra** 75-80 days

OP • Indeterminate • Field or greenhouse • Resists cracking • 4-5 oz  
**Popular, succulent green fruits with sweet and zingy flavor.** Medium sized fruits start out pale green with dark green stripes that soften and turn yellow when ripe. Perfect exteriors; fruits hold up under adverse conditions and rarely crack. Grows well in the greenhouse, too.

**SALADETTE - 2-4 oz**

**3030 Mountain Magic F1** 66 days

HYBRID • HR: **FW (3), LB, VV** / IR: **EB** • Indeterminate • 2 oz  
**Cocktail sized fruit with the flavor you crave and the blight resistance you need.** High-yielding like the best hybrid varieties, Mountain Magic F1 has become a staple for tomato growers both in the field and in the greenhouse. Sweet, crack-resistant fruits are suitable for harvesting as full trusses. From our partners at Bejo Seeds.

**3059 Pink Boar** 75 days

OP • Indeterminate • 2-4 oz  
**Gorgeous wine-colored fruits with metallic green striping on vigorous vines.** Strong plants loaded with rich, sweet juicy fruits perfect for slicing as an hors d'oeuvre with basil and mozzarella. Deep pink skin is stunning with contrasting olive stripes and luscious deep red flesh. An irresistible treat for chefs and farmers markets. Offers great performance with excellent crack resistance. From the Wild Boar series; bred by Brad Gates.

**CHERRY / GRAPE - .25-2 oz**

**2970 Matt's Wild** 55 days

OP • Indeterminate • .25 oz  
**Copious quantities of small, deep red cherries with exceptional flavor.** Matt's keeps producing prolifically when every other tomato in the field is down for the count with early blight. Pick frequently as skin is thin and cracks easily. Trellis or let sprawl and naturalize. Shows moderate field tolerance to late blight.

**2993 Valentine F1** 55 days

HYBRID • UP • IR: **EB** • Indeterminate • AAS Winner • Crack resistant • .7 oz  
**Heavy yields of early ripening grape tomatoes with brilliant red, meaty flesh.** This highly productive grape tomato has outstanding flavor and was prolific in our field trials. Ripening at just 55 days, it is an early tomato that is dynamic in a small tomato mix and boasts a long shelf life post-harvest. Developed with Penn State's patented high-lycopene breeding lines, plants exhibit resistance to early blight and have good heat tolerance. An AAS winner for its unbeatable productivity, firm flesh, and delicious flavor.

**2981 Esterina F1** 60 days

HYBRID • HR: **VV** • Indeterminate • Resists cracking • Truss harvest • .5-1 oz  
**A star in our trials with addictive sweetness and good disease resistance.** An excellent organic alternative to Sungold F1 with sweeter flavor, exceptional crack resistance and brighter yellow color. Vigorous growth that can withstand disease pressure makes this variety a versatile standout. From our partners at Genesis Seeds.

**2983 Jasper F1** 60 days

HYBRID • HR: **LB** / IR: **EB** • AAS Winner • Indeterminate • .4 oz  
**Cheerful trusses of small, bright red cherry tomatoes with strong disease resistance.** These beautiful, red fruits have the flavor of a full sized red tomato packed into the single bite of a cherry. Fruit have an excellent texture, resisting cracking and rot when picked with calyx on. An AAS Winner, plants are highly prolific even in the field and stay healthy for a long harvest window. A popular variety among commercial producers. From our friends at Johnny's Selected Seeds.

**3004 Black Cherry** 64 days

OP • Indeterminate • Prolific • 1-1.5 oz  
**Round, full-flavored cherry with distinctive purple-black color.** One-inch fruits with the juicy, meaty texture and sweet, rich flavor characteristic of all Russian black tomatoes. A striking addition to cherry tomato mixes. Very productive plants.

**2982 Cherry Bomb F1** 64 days

HYBRID • HR: **LB** • Prolific • Indeterminate • .7 oz  
**Heavy yields of uniform, red fruits with high resistance to late blight.** These large, lustrous cherry tomatoes are gorgeous and flavorful, perfect for quickly filling pints. Well-balanced and brightly flavored, the fruit is ideal for snacking or celebrating in a fresh summer salad. Fruit is firm and durable, withstanding the pressures of a busy harvest day without blemishes. Excellent resistance to late blight makes this an ideal candidate for the organic grower. From our friends at Johnny's Selected Seeds.



### 2972 **Bing** 65 days

OP • **BRED BY HIGH MOWING** • Indeterminate • Exceptional flavor • .5-1 oz  
**Exceptionally flavorful cherry with balanced acidity and bright, red clusters of 1" fruit.** Great producer in hot, dry climates with some susceptibility to cracking in areas with abundant rainfall. Cracking prevented with frequent harvests. Superior sweetness to other cherries.

### 2975 **Sweetie** 65 days

OP • Indeterminate • Vigorous • .5-1 oz  
**Super sweet red cherry tomato with high sugar content for eating right off the vine.** Masses of 1-1.5" round cherries in long clusters. Firm texture similar to grape tomatoes; ideal for eating fresh or canning. Impressive vigor and reliability, ripening first and perfectly during six weeks of rain and cold—an absolute standout.

### 2984 **Chocolate Sprinkles F1** 70 days

HYBRID • HR: **FW, NEM, ToMV** • Indeterminate • Robust plants • 1 oz  
**Bite sized tomatoes with gorgeous, unique coloration and delightfully sweet flavor.** Fruits are a deep red with brilliant green streaks. Trusses are thick and covered in crack-resistant fruit. Plants produce high yields over a long harvest window, perfect for home gardeners seeking an ever-bearing plant for continual harvest or greenhouse growers seeking to fully utilize vertical space. From our partners at Pan American Seed.

### 2988 **Sunrise Bumblebee** 70 days

OP • PVP • Indeterminate • .7-1 oz  
**All the colors of the sunrise in a sweet and fruity tomato.** Lovely gold fruit marbled with pink stripes on the inside and out. Resists cracking; well suited to field or greenhouse culture. An excellent Artisan™ variety.

### 2980 **Peacevine** 78 days

OP • Indeterminate • Resists cracking • .5-1 oz  
**Prolific red cherries with delicious flavor.** A de-hybridized selection of Sweet 100 F1, known for its incredible flavor and resistance to cracking. Produces high yields of uniform bright crimson 1" tomatoes. Very high in Vitamin C and amino acids. Bred by Peace Seeds.

## GALAXY SUITE COLLECTION

### 3022 **Midnight Pear** 60 days

OP • **HMOS EXCLUSIVE** • Indeterminate • .25 oz  
**Dark purple, small pear fruits have wildly cosmic flavor.** These little fruits may look like your average black pear, but their outstanding flavor profile clearly earns Midnight Pear a place among the stars. Irresistible to harvesters and market-goers alike. Part of High Mowing's exclusive Galaxy Suite tomato collection bred by Philip Griffiths of Cornell University. A portion of the sales of this variety is paid to the breeder.

### 3023 **Supernova** 63 days

OP • **HMOS EXCLUSIVE** • Indeterminate • .25-.5 oz  
**A marbled, mini-Roma shape with constellations of yellow stripes on a red flesh background.** Truly the standout in our star-studded grape tomato collection, Supernova impresses with both aesthetics and flavor. Red flesh with yellow marbling inside and out, and a unique mini-Roma shape. Fruit holds well through transport. Part of High Mowing's exclusive Galaxy Suite tomato collection bred by Philip Griffiths of Cornell University. A portion of the sales of this variety is paid to the breeder.

### 3026 **Moonbeam** 68 days

OP • **HMOS EXCLUSIVE** • Indeterminate • .4 oz  
**Glowing white, translucent grape tomato with oblong frame and delicious, fruity bite.** This remarkable tomato has dramatic visual appeal, especially when added to a small tomato mix. Not only are these white grape tomatoes stunningly unique, they are packed with a tasty punch of unbeatable flavor. Ideal for the tomato grower seeking a fruit with both style and exceptional eating quality. Part of High Mowing's exclusive Galaxy Suite tomato collection bred by Philip Griffiths of Cornell University. A portion of the sales of this variety is paid to the breeder.

### **new** 3018 **Moonshadow** 70 days

OP • **HMOS EXCLUSIVE** • Indeterminate • .4-.5 oz  
**Beautiful, black grape tomato with a striking visual appeal that is as enticing and exciting as its flavor.** High-yielding plants produce multitudes of gorgeous, black grape tomatoes with irresistible flavor. Mix this dark and shadowy tomato with the other Galaxy Suite tomatoes for a truly unique pint. Part of High Mowing's exclusive Galaxy Suite tomato collection bred by Philip Griffiths of Cornell University. A portion of the sales of this variety is paid to the breeder.

### 3024 **Starlight** 70 days

OP • **HMOS EXCLUSIVE** • Indeterminate • .25 oz  
**Slender yellow grape tomatoes simply glow in clamshell containers.** Slightly later to mature than the rest of Galaxy Suite collection, but worth the wait for these special yellow morsels that will continue to ripen until frost and hold well through storage and transport. Plants are prolific and require diligent trellising. Exceptional flavor and a unique shape you won't find anywhere else, Starlight was the first Galaxy Suite tomato that won us over. Part of High Mowing's exclusive Galaxy Suite tomato collection bred by Philip Griffiths of Cornell University. A portion of the sales of this variety is paid to the breeder.



PASTE



Roma VF



Granadero F1



Plum Perfect F1



Plum Regal F1



Amish Paste



San Marzano



Gilbertie



Toma Verde Tomatillo



Goldie Ground Cherry

**3043 Roma VF** 65 days  
 OP • HR: **FW, VW** / IR: **ASC** • Determinate • Vigorous • 4 oz  
**Productive plum tomato with great disease resistance.** Vigorous and strong, producing heavy yields of picture-perfect, thick-walled fruits with deep red color and mild flavor. A good choice for a commercial variety as well as in the garden. *Unavailable in 2022*

**3172 Granadero F1** 73 days  
 HYBRID • HR: **FW (0-1), PM, ToMV (0-2), VW** / IR: **NEM, TSWV** • Indeterminate • 4-5 oz  
**High-yielding and perfectly shaped plum tomato with a disease-resistant punch.** Unblemished and uniform with lovely oval shape, smooth skin and bright red color. Best variety for heavy yields of uniform sauce tomatoes. Performs well in open field, unheated tunnel or heated greenhouse conditions. *Unavailable in 2022*

**3025 Plum Perfect F1** 75 days  
 HYBRID • HR: **BS, FW, LB, TSWV, VW** / IR: **EB, NEM** • Determinate • 4 oz  
**Superior-flavored and textured, disease-resistant plum with good yields in both greenhouse and field conditions.** Highly productive plum variety with a long list of disease resistances performs well even when other tomato plants are succumbing to disease pressure. Excellent resistance to late blight. Later ripening for a late succession harvest. A portion of the sales of this variety is paid to the breeder.

**2985 Plum Regal F1** 75 days  
 HYBRID • HR: **FW(1-2), LB, TSWV, VW** / IR: **EB** • Determinate • 4 oz  
**Medium sized, determinate plants produce high yields of blocky plum tomatoes.** Plants are compact with good leaf coverage and a strong disease package. Fruit are deeply colored and flavored, excellent for sauces and canning. Fruit holds well on the plants for vine-ripe harvests and are highly resistant to late blight. From our partners at Bejo Seeds.

**3020 Amish Paste** 80 days  
 HEIRLOOM • Indeterminate • Few seeds • 8-12 oz  
**Bright red, heart-shaped fruits with meaty, juicy texture.** The classic paste tomato—flavorful and juicy enough for slicing with great meatiness for cooking down. Very few seeds, which can make sauces and pastes bitter. Sweeter flavor than other paste tomatoes. *Limited availability in 2022*

**3047 San Marzano** 80 days  
 OP • Indeterminate • Few seeds • 4 oz  
**Classic Italian favorite with high yields; excellent, richly flavored tomato for preserving.** Prized for its firm pulp, low seed count and easily removed skin. Medium sized fruits are slightly larger than Roma VF but smaller than Gilbertie and Amish Paste. Resists cracking and holds well both on the vine and in storage. Heavy yields.

**3040 Gilbertie** 85 days  
 HEIRLOOM • Indeterminate • 10-12 oz  
**Rich, meaty and delicious.** Beloved variety our customers praise year after year. Long, slender shape with characteristically green shoulders and a slight crook in the neck. Narrow fruits average 7" long with very solid, richly flavored flesh that makes excellent sauces and soups. Very small seed cavity. Given to Tom Stearns by Mel Bristol of Sherman, CT; in our catalog since 1996.

TOMATILLO / GROUND CHERRY

**3180 Toma Verde Tomatillo** 60 days  
 OP • Semi-determinate • Uniform fruit  
**Early variety with tart flavor when young, becoming sweeter as it ripens.** Medium to large size fruits are ready to harvest when husks split and fruit color changes from a yellow green to medium green. Perfect for salsa verde or as a special addition to any Mexican dish. *Physalis philadelphica*

**3181 Goldie Ground Cherry** 75 days  
 OP • Florida weave or let sprawl • Bushy, spreading habit  
**Sweet, tropical-tasting gold berries wrapped in paper husks.** Bushy plants grow 2.5-3' tall. When ripe, the husk around the fruit becomes papery dry and the fruit falls off the plant to be picked up from the ground. Some people place a tarp underneath the plants to make harvesting easier, but either way the husks keep the fruit clean. *Physalis pruinosa*

**GROWER'S CHOICE**

“ For the past two seasons our farm has grown the **Galahad F1 tomato** with much success. We had a desire to provide the members of our vegetable CSA with a good sized and flavorful red tomato that was both prolific and dependable. Its compact form made it an easy addition to our field plan and the flavor proved to be outstanding. We look forward to growing it again every season! ”

—Audrey of Red Gate Ranch in California

TOMATOES

## ROOTSTOCK

### 2990 **Estamino F1**

HYBRID • HR: **FCR, FW (0-2), LM, ToMV (0-2), CR, YW** / IR: **NEM, TSWV**

**A generative rootstock developed to encourage fruit production with less vegetative plant growth.** Strong, vigorous rootstock results in a well-balanced plant with good generative growth (encouraging steady production of flowers and fruit until the end of the season). Great for balancing excessive vegetative growth in favor of fruit production. Compares well to popular rootstock standards, offering good yields and excellent disease resistance. Available as raw seed.

### 2991 **Fortamino F1**

HYBRID • HR: **FCR, FW (0-2), LM, ToMV (0-2), CR, YW** / IR: **NEM, TSWV**

**A more vegetative rootstock that keeps plants producing through stressful conditions.** The ultimate stress-buster. Created for transplanting into stressful conditions, such as the field or unheated hoopouses in warmer temperatures. A strong root system gives plants a boost in early growth stages, later providing excellent leaf cover and reducing transplant shock. Scions grafted onto Fortamino F1 have more flowers per truss and a higher average fruit weight. Available as raw seed.



# Root 5 CSA FARM

*Danielle Allen & Benner Dana, co-owners of Root 5 Farm in Fairlee, Vermont*



**D**anielle and Ben, owners of Root 5 Farm, have been farming organic vegetables since 2001. In the late 90's, they found their separate ways to the University of Vermont where Ben studied forestry and Danielle majored in political science. They didn't meet until years later when they each independently discovered a love of farming. Eventually, Ben and Danielle crossed paths when Danielle began working at the Intervale Community Farm in 2003. Danielle was intrigued by Ben's unusual hat collection; Ben thought Danielle had a nice smile. And the rest is history.

A devastating flood caused by tropical storm Irene in August 2011 at Arethusa Farm, their shared farm project at the Intervale, intensified Ben and Danielle's search for farmland to call their own. In March of 2013, they purchased a farm in Fairlee, Vermont. They moved to Fairlee just in time to get started seeding in the greenhouse and working the land for the 2013 season. Today, they grow over 100 varieties of vegetables on 38 acres of terraced bottom land along the Connecticut River. Danielle notes, "We're involved in almost all aspects of our food system. We are producers, we grow organic vegetables on 38 acres of river bottom land. We have scaled our farm to fit with nature and to fit with our community. We actively build our soils by growing cover crops on more than half of our cultivated land every growing season."

We're aggregators, sourcing products like milk, cheese, meat, and fruit from neighboring organic farms and then distributing them together with our vegetables directly to consumers through 400 CSA shares. We're also processors, using many of the vegetables we grow to make sauerkraut, kimchi, salsa, hot sauce, pesto and more. Lastly, and maybe most importantly, we're consumers. We need to eat nutritious food in order to stay healthy and have the energy to do all of this producing, soil building, aggregating, and processing."

Danielle sees nature and ecosystem diversity as being central to the success of her work at Root 5 Farm. "To quote author Anne Biklé, 'We are what our food eats.' We strive to grow food in really healthy soil, soil that is alive with microorganisms and mycelium and has a balance of nutrients and organic matter. This brings the best possible health and vitality to the people who eat the food we grow."

“ We are continually inspired by the interconnectedness of our ecosystem. It's humbling to consider that our work affects the smallest microorganisms all the way up to the largest mammals in our farm ecosystem. ”

"This helps us sit more comfortably with the complexity and messiness of farm life. We're always learning from our surroundings. We don't have all the answers, we make mistakes, we welcome feedback, we adjust and adapt, always striving for continual improvement."

This interconnectedness and willingness to be flexible and adapt, in Danielle's view, should not be limited to our relationship to natural systems. She sees collaboration and diversity as being an essential piece of a prosperous future for human communities, as well. "My hope for the future is that the organic farming movement will inspire more small diversified organic farms, more consumers demanding healthy food grown in healthy soil, more innovative farmers growing a wide array of foods for their local communities, and more home gardeners fulfilling some portion of their food needs right from their own backyards."

		TOMATO SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT					
		1/10 gram	1/2 gram	2 grams	8 grams	1 oz	1/4 lb
BEEFSTEAK	3050 Brandywine - Limited availability in 2022	\$ 3.25	\$ 4.25	\$ 8.50	\$ 21.20	\$ 53.00	\$ 185.50
	3052 Cherokee Purple	\$ 3.25	\$ 4.75	\$ 8.50	\$ 20.15	\$ 64.15	\$ 212.00
	3053 Copia - Limited availability	\$ 3.25	\$ 7.25	\$ 16.55	\$ 43.60	\$ 72.65	\$ 182.30
	3063 German Johnson	\$ 3.25	\$ 4.35	\$ 7.40	\$ 15.90	\$ 50.90	\$ 178.10
	3090 Pruden's Purple	\$ 3.25	\$ 4.75	\$ 9.00	\$ 21.00	\$ 58.00	\$ 195.00
SL	3080 Mountain Princess	\$ 3.25	\$ 6.35	\$ 11.95	\$ 20.15	\$ 55.10	\$ 180.20
MIDSIZE	3086 Crimson Sprinter - Limited availability	\$ 3.25	\$ 6.35	\$ 14.45	\$ 38.15	\$ 63.60	\$ 182.30
	3065 Green Zebra	\$ 3.25	\$ 4.75	\$ 10.35	\$ 27.05	\$ 63.60	\$ 174.90
	2976 Moskvich	\$ 3.25	\$ 7.05	\$ 12.45	\$ 22.90	\$ 61.05	\$ 180.20
	3056 Rose de Berne	\$ 3.25	\$ 6.35	\$ 14.45	\$ 38.15	\$ 79.50	\$ 270.30
	3105 Rutgers	\$ 3.25	\$ 5.60	\$ 9.35	\$ 21.75	\$ 65.10	\$ 191.85
CHERRY	2972 Bing	\$ 3.25	\$ 7.15	\$ 16.45	\$ 42.95	\$ 72.10	\$ 206.70
	3004 Black Cherry	\$ 3.25	\$ 4.70	\$ 7.80	\$ 18.25	\$ 54.70	\$ 161.55
	2970 Matt's Wild	\$ 3.25	\$ 7.25	\$ 16.70	\$ 42.95	\$ 72.10	\$ 206.70
	3022 Midnight Pear - Galaxy Suite	\$ 3.25	\$ 6.00	\$ 13.50	\$ 28.00	\$ 65.00	\$ 215.00
	3026 Moonbeam - Galaxy Suite	\$ 3.25	\$ 7.35	\$ 14.00	\$ 23.85	\$ 64.15	\$ 212.00
	<b>new</b> 3018 Moonshadow - Galaxy Suite	\$ 3.25	\$ 7.35	\$ 14.00	\$ 23.85	\$ 64.15	\$ 212.00
	2980 Peacevine	\$ 3.25	\$ 7.25	\$ 16.50	\$ 43.40	\$ 72.35	\$ 207.40
	3023 Supernova - Galaxy Suite	\$ 3.25	\$ 7.70	\$ 15.90	\$ 33.90	\$ 79.50	\$ 265.00
	3024 Starlight - Galaxy Suite	\$ 3.25	\$ 7.70	\$ 15.90	\$ 33.90	\$ 79.50	\$ 265.00
	2975 Sweetie	\$ 3.25	\$ 5.20	\$ 8.60	\$ 20.05	\$ 59.90	\$ 177.00
PASTE	3020 Amish Paste - Limited availability in 2022	\$ 3.25	\$ 7.95	\$ 15.15	\$ 25.95	\$ 69.45	\$ 231.10
	3040 Gilbertie	\$ 3.25	\$ 6.00	\$ 14.00	\$ 35.00	\$ 70.00	\$ 195.00
	3043 Roma VF - Unavailable in 2022	\$ 3.25	\$ 5.60	\$ 9.35	\$ 21.75	\$ 64.65	\$ 190.80
	3047 San Marzano	\$ 3.25	\$ 7.35	\$ 14.00	\$ 23.85	\$ 64.15	\$ 212.00
TOM	3181 Goldie Ground	\$ 3.25	\$ 7.40	\$ 14.60	\$ 36.05	\$ 94.35	\$ 275.60
	3180 Toma Verde Tomatillo	\$ 3.25	\$ 3.70	\$ 5.15	\$ 13.80	\$ 40.30	\$ 111.30
		TOMATO SEED - OPEN-POLLINATED - SOLD BY SEED COUNT					
		10	25	100	500	1 M	5 M
CH SD MS	3064 Indigo Apple	\$ 3.25	\$ 4.25	\$ 9.55	\$ 29.70	\$ 53.00	\$ 45.00/M
	3059 Pink Boar	\$ 3.25	\$ 4.15	\$ 6.25	\$ 17.50	\$ 25.00	\$ 23.00/M
CH SD MS	2988 Sunrise Bumblebee	\$ 3.25	\$ 3.80	\$ 8.50	\$ 27.55	\$ 43.45	\$ 31.80/M
		TOMATO SEED - HYBRID - SOLD BY SEED COUNT					
		10	25	100	500	1 M	5 M
BEEFSTEAK	3171 Caiman F1 - Greenhouse	\$ 9.20	\$ 18.00	\$ 49.80	\$ 174.90	\$ 279.85	\$ 254.40/M
	2994 Cherokee Carbon F1	\$ 4.45	\$ 6.85	\$ 20.15	\$ 72.10	\$ 137.80	\$ 109.18/M
	3008 Damsel F1	\$ 7.40	\$ 12.70	\$ 29.00	\$ 130.00	\$ 225.00	\$ 195.00/M
	<b>new</b> 2997 Enroza F1 - Greenhouse	\$ 15.90	\$ 28.00	\$ 70.00	\$ 285.00	\$ 485.00	\$ 460.00/M
	<b>new</b> 2989 GinFiz F1 - Greenhouse	\$ 15.90	\$ 28.00	\$ 70.00	\$ 285.00	\$ 485.00	\$ 460.00/M
SLICER	3102 Arbason F1 - Greenhouse - Limited availability	\$ 6.35	\$ 9.75	\$ 30.00	\$ 115.00	\$ 195.00	\$ 180.20/M
	2995 Galahad F1	\$ 7.40	\$ 12.35	\$ 25.95	\$ 106.00	\$ 196.10	\$ 187.62/M
	<b>new</b> 2996 MaiTai F1 - Greenhouse	\$ 15.90	\$ 28.00	\$ 70.00	\$ 285.00	\$ 485.00	\$ 460.00/M
	3165 Marmalade F1	\$ 6.00	\$ 9.00	\$ 26.50	\$ 90.10	\$ 153.70	\$ 116.60/M
	<b>new</b> 3029 Mountain Merit F1	\$ 6.00	\$ 9.00	\$ 26.50	\$ 90.10	\$ 153.70	\$ 116.60/M
MIDSIZE	2987 CubaLibre F1 - Greenhouse	\$ 15.90	\$ 28.00	\$ 70.00	\$ 285.00	\$ 485.00	\$ 430.00/M
	3062 Iron Lady F1 - Limited availability	\$ 6.00	\$ 9.00	\$ 26.50	\$ 90.10	\$ 153.70	\$ 116.60/M
	3031 Tasti Lee F1	\$ 6.55	\$ 10.05	\$ 30.10	\$ 111.30	\$ 185.00	\$ 177.00/M
SD	3030 Mountain Magic F1	\$ 10.35	\$ 12.20	\$ 35.00	\$ 127.20	\$ 235.30	\$ 221.33/M
CHERRY	3006 Bartelly F1 - Greenhouse	\$ 8.50	\$ 17.50	\$ 60.00	\$ 245.00	\$ 445.00	\$ 422.00/M
	2982 Cherry Bomb F1	\$ 6.35	\$ 12.70	\$ 33.90	\$ 132.50	\$ 238.50	\$ 206.70/M
	2984 Chocolate Sprinkles F1	\$ 7.40	\$ 11.05	\$ 23.25	\$ 85.00	\$ 155.00	\$ 151.00/M
	2981 Esterina F1	\$ 4.45	\$ 6.90	\$ 16.95	\$ 55.10	\$ 101.75	\$ 94.34/M
	2983 Jasper F1	\$ 6.20	\$ 13.80	\$ 36.05	\$ 153.70	\$ 275.60	\$ 243.80/M
	2978 Sakura F1 - Greenhouse	\$ 5.85	\$ 9.00	\$ 27.55	\$ 98.60	\$ 185.50	\$ 169.60/M
	2971 Toronjina F1 - Greenhouse	\$ 7.95	\$ 13.80	\$ 42.40	\$ 159.00	\$ 265.00	\$ 233.20/M
	2993 Valentine F1	\$ 6.90	\$ 10.60	\$ 33.90	\$ 116.60	\$ 212.00	\$ 174.90/M
PASTE	3172 Granadero F1 - Unavailable in 2022	\$ 8.50	\$ 14.15	\$ 23.85	\$ 105.00	\$ 180.00	\$ 167.00/M
	3025 Plum Perfect F1	\$ 5.70	\$ 8.75	\$ 22.55	\$ 79.50	\$ 143.10	\$ 111.30/M
	2985 Plum Regal F1	\$ 8.50	\$ 13.00	\$ 19.25	\$ 85.00	\$ 150.00	\$ 135.00/M
RS	2991 Fortamino F1	\$ 10.35	\$ 13.50	\$ 38.15	\$ 163.25	\$ 307.40	\$ 254.40/M
	2990 Estamino F1	\$ 10.35	\$ 13.50	\$ 38.15	\$ 163.25	\$ 307.40	\$ 254.40/M

Larger volumes available; please call for pricing.

# Turnips & other roots



Daniel, Cassie, Claire, Ethan and Nathan bring in a harvest of root crops at Rogers Greens and Roots in Douglasville, Georgia.

**CULTURAL INFO:** Days to maturity are from direct seeding. Turnips are a cold-hardy biennial, grown as an annual crop. Some varieties can be grown in the spring while others prefer the late summer and fall. Turnips are commonly grown for their roots but some are also grown for their leafy greens. Turnips prefer loose soils high in organic matter. Because they grow quickly, available water and nutrients are essential for healthy development. Make sure plants are well weeded and thinned, especially in early stages of growth. Plant spring varieties as soon as soil can be worked and fall varieties midsummer. Optimal soil temperature for germination is 80°F. Side dress with rock phosphate when roots begin to swell to promote root development. Flavor is sweetest when harvested after a few light frosts and root size averages 3-4" wide. For quality storage, harvest before hard frost. Remove tops and store unwashed at 32°F with a relative humidity close to 95%. With good air circulation, roots can be stored four to five months.

**DISEASE & PESTS:** Black rot is one of the most destructive diseases of all crucifer crops. Symptoms first appear as V-shaped yellow lesions at the leaf margin, after which the veins of infected leaves, stems, and roots turn black. Infected plants should be pulled up immediately, and plantings should never be worked during wet conditions. Insect pests, including cabbage looper, imported cabbage worm and diamondback moth are largely of the Lepidoptera order and can be controlled by *Bacillus thuringiensis* (Dipel) and/or spinosad, preferably in rotation with one another to prevent selection of resistant individuals. Floating row cover may be used to ward off insects.

**SEED SPECS:** 10-15M (12.5M avg) seeds/oz, 160-240M (200M avg) seeds/lb. M=1,000. 1/32 oz approx. 350 seeds. Direct seeding rate: 30 seeds/foot in 2" band in rows 4-12" apart. For larger roots, cut seeding rate in half.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## TURNIPS - *Brassica rapa*

### 3191 Tokyo Market 35 days

OP • Fresh eating • 1.5-2" round

**Sweet, petite, juicy, smooth-skinned and delicious raw.** Practically bite size, and you may want to eat them whole. Tender and mildly flavored. Roots are round—radish-like in shape and size—and pearly white in color: Excellent sliced raw in salads, chopped and tossed with vinaigrette or glazed with soy sauce. *Limited availability in 2022*

### 3184 Scarlet Ohno Revival 50 days

OP • OSS1 • Salad or storage • 2" round

**Hot pink, rounded roots with pink-streaked white interiors and mild, crunchy taste great for pickling.** This specialty radish is especially cherished by chefs for their contrasting colors and unique aesthetic. Greens have long, strap-shaped leaves and are smooth with magenta midribs. Improved variety from Frank Morton of Wild Garden Seed in Oregon.

### 3185 Purple Top White Globe 55 days

HEIRLOOM • Mild • Storage • 3-6" roots

**Smooth white globes are magenta above ground and white below.** This popular turnip variety dates back to 1880 and is still widely planted today. Best harvested at 3-4" but retains good quality until quite large. Purple Top has a mild, fine-grained white flesh.



Tokyo Market



Scarlet Ohno Revival



Purple Top White Globe



Helenor Rutabaga



Joan Rutabaga

## RUTABAGA - *Brassica napus*

### 3192 Helenor Rutabaga 90 days

OP • Stores well • Great uniformity • 4-6" roots

**Round, highly uniform bulbs with light orange flesh and a delicately sweet flavor.** Roots have beautiful, purple shoulders and an appealing rounded form. Coloration occurs early in root development. Maintains quality in storage, keeping good texture and flavor for winter sales. From our partners at Bejo Seeds.

### 3187 Joan Rutabaga 90-100 days

OP • Stores well • Uniform • 4-6" roots

**Refined rutabaga with smooth, round, uniform roots.** The dense cream-colored flesh is rather hard and crispy with a sweet, mild flavor that improves after frost. Perfect for a roasted root medley and other hearty winter dishes. Stores well into winter months. Highly uniform with good field resistance to clubroot. *Unavailable in 2022*

**GROWER'S CHOICE**

“ We've been consistently impressed by the **Halblange parsnip** on our farm. The tops are always beautifully green and strong with long, chunky roots that really add up in a harvest tote, —**Darby of Life Arises Farm in Vermont** ”



Halblange Parsnip



Lancer Parsnip

**PARSNIP - *Pastinaca sativa***

**3188 Halblange Parsnip** 120 days

OP • High-yielding • Very uniform • Stores well • 10" long roots

**Bright white, highly uniform roots with strong yield potential.** A standout in our trials for the striking white of the roots and the high degree of uniformity. More wedge-shaped with a very consistent length. From our collaborators at Bingenheimer Saatgut, a biodynamic seed production company in Germany. 6.5M seeds/oz.

**3189 Lancer Parsnip** 120 days

OP • Stores up to 5 months • 10-12" long roots

**Uniform, long-season root with creamy white flesh and sweet, nutty flavor for roasting, sautés and mashing.** Gets sweeter when exposed to cold temperatures. Shows resistance to canker, a fungal pathogen which causes black lesions on the root. 6.5 seeds/oz.

**TURNIPS & ROOTS SEED - OPEN POLLINATED - SOLD BY SEED WEIGHT**

	1/32 oz	1/8 oz	2 oz	1 lb	5 lb	20 lb*
3188 Halblange Parsnip	\$ 3.25	\$ 5.40	\$ 37.10	\$ 151.60	\$ 118.72/lb	\$ 110.24/lb
3187 Joan Rutabaga - <i>Unavailable in 2022</i>	\$ 3.25	\$ 4.25	\$ 29.00	\$ 175.00	\$ 143.00/lb	\$ 137.50/lb
3189 Lancer Parsnip	\$ 3.25	\$ 5.40	\$ 37.10	\$ 151.60	\$ 118.72/lb	\$ 110.24/lb
3185 Purple Top White Globe Turnip	\$ 3.25	\$ 4.10	\$ 4.90	\$ 14.30	\$ 10.39/lb	\$ 10.18/lb
3184 Scarlet Ohno Revival Turnip	\$ 3.25	\$ 7.65	\$ 39.20	\$ 181.25	\$ 155.18/lb	\$ 134.62/lb
3191 Tokyo Market Turnip - <i>Limited availability in 2022</i>	\$ 3.25	\$ 5.65	\$ 32.00	\$ 130.00	\$ 107.00/lb	\$ 80.00/lb

**TURNIPS & ROOTS SEED - OPEN POLLINATED - SOLD BY SEED COUNT**

	25	500	1 M	5 M	25 M	100 M
3192 Helenor Rutabaga	\$ 3.25	\$ 8.50	\$ 10.85	\$ 8.48/M	\$ 7.42/M	\$ 7.16/M

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.

# WALDORF SCHOOL *of Atlanta*

*Miyuki Maruping, lead garden teacher at the Waldorf School of Atlanta*



**M**iyuki Maruping has been working at the Waldorf School of Atlanta since 2018 as the lead gardening teacher. She first became connected to the school as a parent in 2014. Through maintaining the garden at the school and inviting the children in to learn from it, Miyuki has seen for herself how the garden's benefits extend beyond the classroom and into her local community.

“Ever since the opportunity came to be the gardening teacher at WSA, I have aspired to create an urban biodynamic garden by growing, as much as possible, what the garden needs within itself. It was during the pandemic that I realized how special our school garden was to many in our community. During lockdown, people inside and outside of the WSA community visited the garden, interacted with the chickens, and admired the flowers and vegetables growing in season. As a caretaker, it is gratifying to see the school garden serve as a place for healing.”

Miyuki draws inspiration for her work with the children from nature itself, from books written by environmental writers and local farmers, and from

the autobiographies of activists. She sees the positive impact that comes from introducing children to nature when they are young.

“Rachel Carson’s quote, ‘But man is a part of nature, and a war against nature is inevitably a war against himself,’ inspires me to do the work I do. I love Waldorf education for its experience-based approach. The first-hand experience that the students receive will live in their hearts for their lifetime. I find it crucial for a child to get exposure to nature early in life under the guidance of a role model. Such opportunities will help them to recognize later in life that they are a part of nature and will inspire them to act as stewards for the environment.”

To be a part of nature is to see the nature in ourselves. Miyuki’s time in the urban garden, fostering biodiversity at the center of her community, helped reveal many parallels to her when examining growth in its numerous forms.

“For an oak to grow into a healthy tree, it needs support from various members of the forest including understory trees, shrubs, herbaceous layers, ground covers, mycorrhizal fungi, the sun, rain, etc. For children to grow into adults who can think for themselves and act to better society, they also need support from various members of their community, whether they are human or non-human, visible or invisible. I believe that my work with children in the school garden is helping them see themselves as part of the natural world.

Community really is the driving force of my work. My vision for the WSA’s school garden is a safe place that allows the students and families to cultivate a sense of belonging to the land, to one another, and to the Earth. Creating such a place is a big task; I am grateful for the school community’s support to slowly but surely realize a small urban sanctuary that is beaming with biodiversity! I am also currently exploring a question as a gardener and a conscientious citizen about how a garden rich in biodiversity can be a place to cultivate human diversity.”

# Watermelon

*Citrullus lanatus*



Lupe and Manuel of Meños Farm stand in front of their watermelon crop in Riverside, California.

**CULTURAL INFO:** Days to maturity are from transplanting, add 10-14 days if direct seeding. Watermelons are warm-season, tender annuals that require fertile soils with lots of organic matter, moisture and full sun. Seeds germinate when soil has reached 85°F. Harden off by reducing temperature and water. Plant outdoors when all danger of frost has passed. Plastic mulch and floating row cover are useful in cool climates. Harvest when tendrils by fruit dies back, ground spot turns yellow and blossom end softens slightly. Triploid watermelons (seedless) require a pollinator cultivar companion plant with comparable days to maturity.

**DISEASE & PESTS:** Bacterial Fruit Blotch (BFB) *Acidovorax avenae subsp. citrulli*, can be spread by seed and by infected transplants, as well as by plant residues and/or alternative hosts. Symptoms are oily dark lesions that typically parallel the veins. Some seedlings may die rapidly, while others persist into maturity. Fruit symptoms are characterized by a dark green stain on the upper side of the fruit. Infection does not penetrate the rind, but eventually

causes it to crack and often emits a white foam, caused by gases formed by invading pathogens. Other infected crops can serve as a source of inoculum. Due to the prevalence and severity of BFB, customers wishing to purchase over ¼ oz of watermelon seed must go to [highmowingseeds.com/pdfs/watermelon\\_waiver.pdf](http://highmowingseeds.com/pdfs/watermelon_waiver.pdf) to print, sign and submit the Watermelon Waiver. We cannot ship any amount of watermelon seed to South Carolina.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **AN-Anthractnose (races indicated if known)**, FW-Fusarium Wilt

**SEED SPECS:** 500-750 (625 avg) seeds/oz, 8-12M (10M avg) seeds/lb, M=1,000.

**1/16 oz approx. 40 seeds.** Direct seeding rate: Sow 2 seeds every 18-24", thin to 1 plant in rows 5-6' apart. Transplants: 18-24" apart in rows 5-6' apart.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## SEEDED

### 3196 **Blacktail Mountain** 70 days

OP • OSSI • Early and reliable • Stores up to 2 months • 6-10 lbs

**Our best melon for short, cool seasons with crisp, sweet flesh that rivals hybrids.** These solid, dark green fruits boast a vibrant crimson flesh. Plants have proven to be especially prolific producers in our trials fields. Fruits average 8" across. Vines grow as long as 10'. Excellent keeping quality and yields. Harvest just before ripe and melons will finish off in storage. Developed by Glenn Drowns of Sand Hill Preservation Center in Calamus, Iowa.

### 3199 **Baby Doll F1** 75 days

HYBRID • Ships well • Uniform • 10-15 lbs

**Productive, early icebox melon with dark green stripes and crisp, bright yellow flesh.** Uniform fruits with sweet flavor topped our yellow melon taste tests. Harvest promptly, as fruit has a tendency to split when ripe in the field. Excellent for direct markets or shipping.

### 3200 **Sugar Baby** 75 days

OP • Drought tolerant • 6-12 lbs

**Excellent short season variety with reliable yields of sweet, juicy melons.** The standard for small watermelons. Perfectly rounded fruits range from 7-8.5" in diameter with a solid green rind and deep red flesh. Our strain has been selected for cool growing conditions and high yields.

### 3235 **Tom F1** 80 days

HYBRID • High yielding • 5-10 lbs

**Smaller, early melon with dense, flavorful flesh and long shelf life; perfect for taking to market.** Beautiful light green fruits with tiger-striped rinds and slightly oblong shape. Flesh is deep pink with excellent, sweet flavor and dense, fine-grained texture. Long shelf life and highest yields of any hybrid melons in our trials with good hollow heart resistance. From our friends at Genesis Seeds.

### 3205 **Crimson Sweet** 85 days

OP • Classic sweet flavor • 15-25 lbs

**Quality and reliability in a classic oblong melon with juicy sweet flesh.** An excellent variety for gardeners and growers alike, with vibrant red, firm, fine-textured flesh and silver and dark green striping.

### 3197 **Klondike Blue** 85 days

HEIRLOOM • Resists sunburn and disease • 10-25 lbs

**The perfect picnic melon, with exceptional sweet flavor that topped our taste tests.** Vigorous, high performance 1900s heirloom with green striped rind and bright red flesh. The highest Brix (sugar) reading of any variety in our trials, with fruits averaging 10-16" long. *Limited availability*



**Blacktail Mountain**



**Baby Doll F1**



**Sugar Baby**



**Tom F1**



**Crimson Sweet**



**Klondike Blue**

WATERMELON



Moon and Stars



Red Amber F1

**3195 Moon and Stars** 95-100 days

HEIRLOOM • 10-15 lbs

**Extremely popular heirloom with sweet flavor and attractive yellow spots.** Dark green rind and foliage are decorated with large yellow spots (moons) and smaller ones (stars). Flesh is dark red with excellent flavor and a thick protective rind. Large, oblong fruits can grow to enormous sizes, up to 40 lbs. Requires warm temperatures to set fruit. Introduced in 1926 by Henderson Seed Company.

**SEEDLESS**

**new 3231 Red Amber F1** 88 days

HYBRID • IR: **AN(1), FW (0,1)** • Seedless • Crimson sweet type • 16-20 lbs

**Seedless, medium-green striped fruits with crisp, dark red interior flesh.** Fruit is uniform and oval shaped, averaging 16-20 lbs at harvest. Flesh is firm and juicy with an exceptionally sweet flavor. Plants are resilient, vigorous and high-yielding. An organic, seedless variety with optimal commercial performance. Pollinator provided. From our partners at Vitalis Organic Seeds.

**WATERMELON SEED - OPEN-POLLINATED - SOLD BY SEED WEIGHT**

	1/16 oz	1/4 oz	1 oz	1/4 lb	1 lb	5 lb
3196 Blacktail Mountain	\$ 3.25	\$ 9.00	\$ 18.00	\$ 53.00	\$ 159.00	\$ 121.90/lb
3205 Crimson Sweet	\$ 3.25	\$ 6.15	\$ 8.50	\$ 20.65	\$ 65.70	\$ 58.30/lb
3197 Klondike Blue - Limited availability	\$ 3.25	\$ 9.55	\$ 21.20	\$ 65.70	\$ 185.50	\$ 136.74/lb
3195 Moon and Stars	\$ 3.25	\$ 6.70	\$ 17.30	\$ 53.40	\$ 128.05	\$ 106.00/lb
3200 Sugar Baby	\$ 3.25	\$ 5.50	\$ 7.25	\$ 16.00	\$ 45.00	\$ 35.00/lb

**WATERMELON SEED - HYBRID - SOLD BY SEED COUNT**

	10	50	100	500	1 M	5 M	25 M
3199 Baby Doll F1	\$ 3.25	\$ 8.35	\$ 11.85	\$ 38.15	\$ 53.55	\$ 44.94/M	\$ 38.37/M
<b>new</b> 3231 Red Amber F1 - Seedless	\$ 9.25	\$ 38.00	\$ 65.00	\$ 295.00	\$ 495.00	\$ 431.60/M	\$ 402.20/M
3235 Tom F1	\$ 5.65	\$ 14.30	\$ 24.40	\$ 103.90	\$ 184.45	\$ 162.18/M	\$ 148.40/M

Larger volumes available; please call for pricing.

# Eastern BLUEBIRDS



**E**astern Bluebirds, Western Bluebirds and Mountain Bluebirds, all stemming from the genus *Sialia*, are not only a beautiful sight to see in our natural spaces, but they also serve an important ecological purpose that can benefit our farms and gardens. These mostly insectivorous and omnivorous birds feed on a wide variety of insects including beetles, insect larvae, caterpillars, crickets, grasshoppers, slugs, snails, moths, mosquitoes and various other pest species. They also feed on the berries of some native North American plants, especially in

the winter time, including holly, pokeweed, chokeberry, viburnums, wild cherries, red cedar, sumac, hackberries and dogwood.

As secondary cavity nesters, bluebirds will build their nest and hatch their brood in the holes of trees made by other animals and birds. Female bluebirds will lay a clutch containing 3 to 5 eggs that take around two weeks to hatch. When the eggs hatch, both the male and female bluebirds will spend 15 to 18 hours a day feeding their young. Nestlings require feeding every 20 minutes, which results in nearly constant insect hunting and the removal of large numbers of soft-bodied insect pests from the surrounding landscape, helping alleviate pest pressure in our gardens and farms. The days that lead up to fledging time are filled with even more feeding. When the brood fledges, male bluebirds tend to young while the female bluebird builds a new nest. A bluebird pair can fledge up to 3 broods in a season.

Bluebirds have undergone a serious decline in population as a result of habitat loss. More recent efforts have been made by conservation organizations and individuals alike that have helped them rebound their numbers. There are a few simple things that we can do to help promote them in our gardens and farms.

## BUILD A BLUEBIRD TRAIL

Being secondary cavity nesters, bluebirds readily take to nesting in human made nesting boxes. It has been found that placing 5 or more boxes in a line is most effective for attracting returning breeding pairs.

- Place 5 or more boxes in a row adjacent to ideal hunting territory, like an open lawn, meadow, or crop field.
- Place each house no closer together than 300 ft. To keep houses properly distanced, it can be helpful to team up with your neighbors to create the trail.

## CONSIDERING HABITAT

Encouraging native berry producing plants that provide bluebirds with wintertime forage, like red chokeberry and sumac, allow these hardy, cold tolerant birds to stick around after their breeding season has concluded. Bluebirds perch above open spaces to hunt and benefit from posts, wires, fencing and the low branches of trees and shrubbery. A predator guard, like a plastic owl, can be mounted nearby to protect fledgling birds leaving the nest. Bluebirds are attracted to moving water; fountains and birdbath drippers can coax them into smaller garden areas where more tree canopy exists.



# Herbs



Brenna harvesting fresh thyme from the field at Echo Creek Farm in upstate New York.

The herbs we offer in this section were chosen for their exceptional aroma, flavor, disease resistance and appeal. We offer tried-and-true standards, such as Genovese basil and Italian Flat Leaf parsley, alongside more modern varieties that have impressed us in our trials, like Aroma 2 F1 basil, resistant to Fusarium wilt and slow to bolt, and Rutgers Devotion and Obsession basil with downy mildew resistance. Most herbs are compact plants and easy to grow, making them suitable for containers,

greenhouses and small garden spaces. Each type of herb is unique in its growing needs. Please find specific planting and cultural information in the accompanying sub-group information box or in the individual variety descriptions.

Please see **Planting Chart** on page 119 or go to [highmowingseeds.com](http://highmowingseeds.com) for more info.

## BASIL - *Ocimum* spp.

**CULTURAL INFO:** Days to maturity are from direct seeding. Tender annual prefers warm weather and rich soil. Popular culinary herb, cut flower and medicinal to calm the stomach. Very sensitive to cold; use row cover to extend the season. Pinch buds to encourage branching and leaf production. Store unwashed at room temperature to avoid browning. Flowers attract bees. M=1,000.

**RESISTANCE KEY:** HR-High Resistance, IR-Intermediate Resistance, **DM-Downy Mildew**, **FW-Fusarium Wilt**

### 5011 **Deep Purple** 50 days

OP • IR: **FW** • Low rate of green off-types

**Uniform stand of vibrant purple leaves with specialty appeal and sweet basil flavor.** The dark purple leaves are situated evenly in an upright growth habit, making for easy harvest. Plants are pleasantly uniform and very rarely throw green off-types. Suited for baby leaf production, for containers and potted culture and for greenhouse and open field, commercial production. From our partners at Genesis Seeds. 20M seeds/oz. *O. basilicum*



Deep Purple



Lemon

### 5010 **Lemon** 60 days

OP • Specialty variety • Nice bouquet flower

**Narrow-leaf basil from Southeast Asia with delightfully strong aroma and lemony flavor.** Delicious with fish and in salad dressings. Flowering stalks in bouquets lend a wonderful lemony fragrance. A smaller-leaf variety, reaching 15" tall. 15M seeds/oz. *O. basilicum*



Sweet Thai



Rosie

### 5031 **Sweet Thai** 63 days

OP • Compact habit • Edible and ornamental

**Exotic clove-licorice flavor perfect in Thai cuisine.** Lovely potted herb, edible bedding plant and cut flower for floral arrangements. Gorgeous narrow green leaves with vivid dark purple stems and blossoms; adored by bees. Leaves are 2" long and plants reach 12-18" tall. 28M seeds/oz. *O. basilicum*

### 5037 **Rosie** 65 days

OP • Compact, upright habit • Edible and ornamental

**Intense dark purple-red color with mild and aromatic basil flavor—a favorite in our trials.** An improved strain of Rubin with very uniform germination and stand, no green off-types and stronger, more upright stems. Tall lavender flower spikes are lovely in bouquets and should be pinched for better leaf production. 20M seeds/oz. *O. basilicum*. Limited availability

### 5000 **Genovese** 68 days

OP • Excellent for processing • Field or containers

**Basil lovers unanimously recommend Genovese as the best variety for pesto.** Plants are strong producers of dark green, glossy leaves with a characteristic spoon shape, exceptionally tender texture and distinctive, sweet flavor excellent in sauces and cooking. 10-12" plants. 18M seeds/oz. *O. basilicum*



Genovese



Prospera (CG1) DMR F1

### 5006 **Prospera (CG1) DMR F1** 68-80 days

HYBRID • UP • IR: **DM, FW** • Classic Genovese-type • Bred for downy mildew resistance

**Beautifully long, glossy leaves with excellent flavor and improved downy mildew resistance.** This sweet and aromatic Genovese-type basil is the newest release from Genesis Seeds. With excellent resistance to downy mildew and fusarium wilt, this lovely basil keeps in the field and is suitable for greenhouse, field, and container production. *O. basilicum*

Prospera (CG1)  
DMR F1Rutgers  
Obsession DMRRutgers  
Devotion DMR

Aroma 2 F1



Rutgers Devotion DMR



Rutgers Obsession DMR



Nufar



Sacred



Catnip



Chamomile



Chives



Garlic Chives

**5036 Aroma 2 F1** 70 daysHYBRID • HR: **FW** • Holds well in field/storage • Resists bolting

**The standard for commercial growers with thick, dark green leaves.** An improved Genovese-type with 3" leaves and strong fusarium wilt resistance. For field or greenhouse. Plants are 20-24" tall. Superior characteristics to Aroma 1. 18.5M seeds/oz. *O. basilicum*

**5009 Rutgers Devotion DMR** 70-80 daysOP • UP • HR: **DM, FW** • Slow to bolt • Extremely uniform

**An aromatic and sweet Genovese-type basil with excellent downy mildew resistance.** This improved basil is another great achievement from the efforts of Rutgers University and VDF Specialty Seeds. Uniform, flat-to cup-shaped leaves are tender, flavorful and productive throughout the growing season. These aromatic leaves attract shoppers at the farmers market and are the ideal basil type for making pesto. A solution for growers experiencing losses associated with downy mildew. 19.9M seeds/oz. *O. basilicum*

**5008 Rutgers Obsession DMR** 70-80 daysOP • UP • HR: **DM, FW** • Slow to bolt • Extremely uniform

**Very attractive, compact plants with strong downy mildew resistance.** This line of downy mildew resistant basil has been trialed against market standards across the country and has come up aces every time. In our own field trials in northern Vermont, Obsession also impressed us with high marks for plant vigor and bolt tolerance. Plants have a high leaf-to-stem ratio and average 26" in height. Suitable for field or potted plant production. We are excited to offer Obsession as organic seed thanks to our partnership with the team at VDF Specialty Seeds. 19.9M seeds/oz. *O. basilicum*

**6130 Sacred** 75 days

OP • Potent medicinal • Tea plant • Attracts pollinators

**Musky, fragrant flowers and foliage excellent for tea and medicinal purposes.**

Also known as Holy basil or Tulsi, our strain was selected by Frank Morton of Wild Garden Seed and is a temperate basil that is well adapted to North America. Many medicinal properties including adaptogenic, expectorant and anti-inflammatory qualities; also an immune stimulant. 40M seeds/oz. *O. africanum*

**5005 Nufar** 77 daysOP • IR: **FW** • Improved Italian large leaf

**Aromatic Italian large leaf basil with sweetly scented and flavored leaves growing up to 4" in length.** Plants are robust and visually appealing with good uniformity and growth habit. The large, highly scented leaves have a depth of flavor perfect for making pesto and cooking. Plants are deep green and have good resistance to fusarium wilt. Ideal for the home gardener as a single, highly productive plant or for the commercial producer looking to fill bags and/or bunches quickly. From our partners at Genesis Seeds. 20M seeds/oz. *O. basilicum*

**CATNIP - *Nepeta cataria*****6010 Catnip** 80 days

OP • Medicinal and ornamental • Tea plant • Perennial

**Beloved by cats but also an ornamental and medicinal with relaxing properties.**

Dry leaves for a year-round cat treat, leaving flowers as an offering for the bees. Scarify seeds to aid germination. Seeds can be direct sown as soon as soil can be worked. Transplants can be started 8-10 weeks before setting out. 46M seeds/oz.

**CHAMOMILE - *Matricaria recutita*****6021 Chamomile** 75 days

OP • Annual • Prolific blossoms • Tea plant

**Excellent dried tea herb with prolific displays of tiny, aromatic flowers.** Self-seeding annual herb with sweet-scented, daisy-like flowers harvested and dried for herbal teas. Seeds are very small and should be sprinkled on top of soil medium and roughed in without burying them too deeply for best germination. 300M seeds/oz.

**CHIVES - *Allium* spp.****5040 Chives** 90 days

OP • Excellent for processing • Hardy in Zones 3-8

**Medium-to full-size leaves excellent as a garnish.** Quick growing and a good choice for greenhouse growers or those who prefer a heavy chive. Great for freezing and drying. Similar to Staro. Can tolerate partial shade. 26M seeds/oz. *A. schoenoprasum*.

**5080 Garlic Chives** 90 days

OP • Excellent ornamental • Hardy in Zones 4 and up

**Similar to standard chives with delicate, garlic flavor.** White, star-shaped flowers are long lasting, ornamentally beautiful and unique. Plants grow more slowly than standard chives and are slightly less hardy. Makes for a great addition to salads and a delicious garnish on most dishes. 6.25M seeds/oz. *A. tuberosum*

## CILANTRO - *Coriandrum sativum*

**CULTURAL INFO:** Days to maturity are from direct seeding. An easy-to-grow annual often used in Mexican, Asian and Mediterranean cooking. Coriander, another commonly used spice, is produced from the seeds. Cilantro prefers direct sun and is tolerant of cool conditions. Direct sow spring into fall. M=1,000.

### 5051 Caribe 55 days

OP • Good greenhouse crop • Bolt tolerant

**Dense bunches of aromatic dark green leaves on long-standing, bolt-tolerant plants.** Compared to Santo, Caribe has a slightly thinner stem, higher vigor and seed emergence and better bolt tolerance in the field. A great choice for greenhouse growers, or anyone who wants a long-standing cilantro. From our partners at Bejo Seeds. 2.2M seeds/oz.

### 5050 Santo 55 days leaf, 95 seed

OP • Upright habit • Fast growing

**The commercial standard for field bunching.** Very bolt-resistant variety with good flavor and excellent, upright habit for easy harvesting. Fast-growing variety great for cut-and-come-again. Bred by Alf Christenson. 2.2M seeds/oz.

### 5055 Leisure 55 days leaf, 100 seed

OP • Slow to bolt • Cut and come again • Available as monogerm

**Reliable standard cilantro with exceptional bolt resistance and excellent field holding quality.** This variety is very comparable to Santo in habit, uniformity, and flavor. Plants can reach 2' tall and have beautiful, bright green feathery leaves. Leaves, stems, flowers and seeds are edible and impart a zesty, aromatic flair to dishes. Great variety for cut-and-come-again growing, especially in cooler weather. Available as regular and monogerm for precision seeding. 5.6M seeds/oz. *Regular seed unavailable in 2022*



Caribe



Santo



Leisure



Greensleeves

## DILL - *Anethum graveolens*

### 5044 Greensleeves 45 days leaf

OP • Slow to bolt • Good container variety

**A compact, high-yielding dill for leaf production.** Slow to bolt; ideal for leaf production over a long harvest window. Excellent for market growers and planting in containers. Dark green leaves are aromatic and pleasingly sweet eaten fresh or dried. 15M seeds/oz.

### 5060 Bouquet 45-55 days leaf, 95 seed

OP • Great for pickling • 30" tall

**The most widely grown organic dill for fresh eating, flowers and seed heads.** A versatile, early maturing variety used for fresh leaves, seedhead production and cut flowers. Produces seed heads well ahead of others and right in time for summer pickles. Flowering umbels average 6" wide. 15M seeds/oz.

### **new** 5045 Dill Delight 50 days leaf

OP • Slow to bolt • Exceptionally tender leaves

**Compact plants of dense, three dimensional, aromatic and tender leaves with great bolt resistance.** Edible leaves and flowers are mildly flavored and perfect for fresh preparations. This variety is easy to grow and has great field holding quality, allowing for an extended harvest. From our partners at CN Seeds. 15M seeds/oz.



Bouquet



**new**

Dill Delight

## LAVENDER - *Lavandula angustifolia*

### **new** 6022 Lavender 110 days to flower

OP • Fragrant flowers and stems • Munstead-type • Perennial

**Aromatic perennial herb with a bush growing habit and excellent pollinator attraction.** Dried plant material makes fragrant teas and potpourris and can be a wonderful addition to homemade salves, lotions and soaps. Flowering in the first year, lavender is a great attractor of pollinators. Pruning lavender is best done in the spring to prevent stems from becoming too woody. Seeds can be stratified to increase germination. 26.3M seeds/oz.



**new**

Lavender

## LEMON BALM - *Melissa officinalis*

### 6090 Lemon Balm 70 days to flower

OP • Attracts bees • Vigorous spreading habit • Perennial

**Strongly aromatic herb with lemony fragrance and excellent medicinal and culinary qualities.** Shiny green leaves on full plants up to 2' tall. Harvest before flowering as leaf quality declines and flower stalks mature. Start transplants 6-8 weeks before last frost, seeds 1/4" deep; transplant seedlings 18" apart or direct sow after danger of frost is past. 45M seeds/oz.



Lemon Balm



Sweet Marjoram

## MARJORAM - *Origanum majorana*

### 5090 Sweet Marjoram 85 days to flower

OP • Good container plant • Tender perennial

**A mild, sweet relative of oregano excellent fresh or dried; essential for pizza sauce.** Can be overwintered outdoors successfully or potted up in fall for fresh herbs all winter. Easy to dry, just harvest stems and hang in bundles. Leaves can be easily stripped off when dry. 120M seeds/oz.





Superior Licorice Mint



Greek Oregano



Grune Perle



Krausa Parsley



Summer Savory



Giant Italian



Italian Flat Leaf



Fanni Common Sage



Sorrel

KOREAN MINT - *Agastache rugosa*6050 **Superior Licorice Mint** 80 days

OP • OSSI • Aromatic • Medicinal • Attracts pollinators

**Large mint-anise flavored leaves blush purple and are preferred for use in Korean cuisine.** Plants are erect, sturdy and compact, growing in clumps instead of spreading by runners or self-sowing. Flowering stage produces beautiful purple spikes that are irresistible to pollinators. Cut flowers hold their color and smell when dried. Hardy perennial cousin of Anise Hyssop. 72M seeds/oz.

OREGANO - *Origanum heracleoticum*5106 **Greek Oregano** 80 days

OP • Excellent fresh or dried • Hardy perennial

**Excellent culinary oregano with pungent, mouth-watering fragrance and flavor.** This is the traditional, full-flavored oregano for pizza and tomato sauces. Low growing plants have slightly furry, dark green leaves with white flowers. Easy to dry, just harvest stems and hang in bundles. 300M seeds/oz.

PARSLEY - *Petroselinum crispum*

**CULTURAL INFO:** Days to maturity are from direct seeding. Biennial commonly grown as an annual; thrives in moist, fertile soil. Harvest parsley by cutting outer stems as needed. Stores well in the fridge in a container or in water. Attracts swallowtail butterflies. M=1,000.

5104 **Giant Italian** 70 days

OP • Bunching • Vigorous

**Flat, large-leaved variety with aromatic leaves and excellent culinary quality.** A high-yielding, very large and vigorous herb. Dependable variety with rapid regrowth that stands up well to frost. Dark green leaves on strong stems make beautiful bunches; delicious, classic flavor for seasoning. 12.5M seeds/oz.

5110 **Italian Flat Leaf** 70 days

OP • Processing and bunching

**Classic flat-leaf variety for use either fresh or dried for seasoning.** Stems hold leaves upright for easy bunching. A very nutritious and tasty addition to meat and vegetable dishes. Excellent for freezing, drying and fresh eating. From Sakata Seed. 12.5M seeds/oz.

**new** 5103 **Grune Perle** 75 days

OP • Curled-leaf parsley • Biennial

**Popular Eastern European, finely curled parsley with strong stems and vigorous growth habit.** Exceptionally beautiful, tufts of deep green leaves make this parsley variety a stunning addition to the herb garden or market table. With a mild flavor and vigorous growth habit, this parsley is a perfect fit for both the commercial grower and home gardener. From our partners at Sativa Seeds. 20M seeds/oz

5108 **Krausa Parsley** 75 days

OP • Uniform plants • Curled-leaf parsley

**Thick curls of deep green leaves on remarkably sweet stems.** Beautiful curled-leaf parsley with delicious stems. These plants hold their color in the field without developing white or brown spots. Very cold tolerant and stands up well to summer heat. From our partners at Bejo Seeds. 20M seeds/oz.

SAGE - *Salvia officinalis*5130 **Fanni Common Sage** 70 days

OP • Excellent fresh or dried • Perennial

**Wonderfully aromatic, gray-green leaves used in soups, gravies and stuffing.** Sturdy, woody stems can be used as ornamental branches in floral wreaths. Beautiful lavender flowers after the second year. Start transplants 4-6 weeks before last frost. 3.4M seeds/oz.

SAVORY - *Satureja hortensis*5135 **Summer Savory** 75 days

HEIRLOOM • Good container plant • Tender perennial

**The most subtle and delicate of the savories with zesty fragrance.** Slender, light green leaves with woody, thyme-like flavor on reddish, square stems excellent for flavoring green beans, vegetables, poultry or infused in vinegar. Cut stems and hang in bundles to dry. Plants reach 12-18" tall. 47M seeds/oz.

SORREL - *Rumex spp.*2497 **Sorrel** 45 days baby

OP • Gourmet ingredient • Perennial

**Lemony, tangy leafy greens delicious in soups and stews, in salad, or as a braising green.** Bright green, slender leaves up to 8" with long stems. Excellent overwintered gourmet spring green. Can be spring sown but better in fall for harvest in early spring, when leaves are most tender and mild. 34M seeds/oz. *Rumex acetosa*

**new** 2499 **Red Veined Sorrel** 45 days baby, 55 full size

OP • Bright flavor • Fast growing

**Bright green leaves with deep maroon stems and veins.** Gorgeous, colorful leaves with a refreshingly sharp, tangy flavor. Plants are easy to grow and quick to mature. Best harvested as a microgreen, or at baby leaf stage for optimal tenderness. Succession plant for continual harvest. 43M seeds/oz. *Rumex sanguineus*



Red Veined Sorrel

**STEVIA - *Stevia rebaudiana***

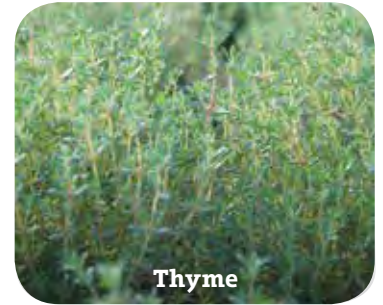
6030 **Candy® Stevia** 100 days

OP • UP • Great in containers • Tender perennial

**Grow your own sweetener!** Close to 300 times sweeter than sugar, this herbal alternative can be used fresh or dried, as a powder or a liquid. A tender perennial that can winter outside in zones 9 – 11 or be brought inside in pots to keep for winter use in colder climates. Bushy plants with strong yields of dried leaves. Transplant outdoors in spring after low temperatures are above 45°F. From our partners at Genesis Seeds. 75M seeds/oz. Limited availability



Candy® Stevia



Thyme

**THYME - *Thymus vulgaris***

5140 **Thyme** 90 days

OP • Attracts bees • Perennial

**Tiny, aromatic leaves cover slender, woody stalks ending in sweet, white flowers.** Makes a beautiful low-growing border along herb and flower beds, growing only 6-10" high. A versatile culinary staple. Our strain is hardy to Zone 4. 99M seeds/oz.

HERB SEED - HYBRID - SOLD BY SEED WEIGHT	1/32 oz	1/8 oz	2 oz	1/2 lb	1 lb	5 lb	20 lb*		
5036 Aroma 2 FI Basil	\$ 4.05	\$ 7.35	\$ 29.70	\$ 100.70	\$ 174.90	\$ 166.42/lb	\$ 153.70/lb		
HERB SEED - OP - SOLD BY SEED WEIGHT	1/64 oz	1/32 oz	1/8 oz	1/2 oz	2 oz	1/2 lb	1 lb	5 lb	20 lb*
5060 Bouquet Dill		\$ 3.25	\$ 4.15	\$ 5.50	\$ 9.55	\$ 19.10	\$ 26.50	\$ 22.90/lb	\$ 18.19/lb
5051 Caribe Cilantro			\$ 3.25	\$ 7.00	\$ 14.00	\$ 42.00	\$ 65.70	\$ 62.00/lb	\$ 47.49/lb
6010 Catnip	\$ 3.25		\$ 7.35	\$ 10.55	\$ 24.40	\$ 89.05	\$ 165.90	\$ 154.55/lb	\$ 143.95/lb
5040 Chives		\$ 3.25	\$ 4.25	\$ 10.60	\$ 28.60	\$ 100.70	\$ 159.00	\$ 137.80/lb	\$ 117.03/lb
<b>new</b> 5045 Dill Delight Dill		\$ 3.25	\$ 5.75	\$ 6.95	\$ 13.00	\$ 26.05	\$ 39.00	\$ 35.00/lb	\$ 33.75/lb
5011 Deep Purple Basil		\$ 3.25	\$ 6.35	\$ 11.00	\$ 27.50	\$ 88.00	\$ 128.00	\$ 104.00/lb	\$ 95.00/lb
5130 Fanni Common Sage		\$ 3.25	\$ 8.65	\$ 13.40	\$ 42.65	\$ 96.75	\$ 185.50	\$ 169.60/lb	\$ 155.82/lb
5080 Garlic Chives		\$ 3.25	\$ 4.35	\$ 9.70	\$ 22.80	\$ 70.00	\$ 115.00	\$ 101.00/lb	\$ 97.50/lb
5000 Genovese Basil		\$ 3.25	\$ 4.05	\$ 5.00	\$ 9.00	\$ 27.00	\$ 51.00	\$ 46.00/lb	\$ 42.40/lb
5104 Giant Italian Parsley		\$ 3.25	\$ 4.15	\$ 5.15	\$ 9.00	\$ 26.00	\$ 41.50	\$ 39.00/lb	\$ 36.25/lb
5044 Greensleeves Dill		\$ 3.25	\$ 5.75	\$ 6.95	\$ 13.00	\$ 26.05	\$ 39.00	\$ 35.00/lb	\$ 33.75/lb
<b>new</b> 5103 Grune Perle Parsley		\$ 3.25	\$ 5.30	\$ 8.50	\$ 21.20	\$ 63.60	\$ 100.70	\$ 81.62/lb	\$ 67.84/lb
5110 Italian Flat Leaf Parsley		\$ 3.25	\$ 4.05	\$ 5.50	\$ 12.00	\$ 29.50	\$ 48.00	\$ 39.00/lb	\$ 28.78/lb
<b>new</b> 6022 Lavender			\$ 5.25	\$ 15.50	\$ 42.00	\$ 135.00	\$ 225.00		
5055 Leisure Cilantro - Unavailable in 2022			\$ 3.25	\$ 4.25	\$ 7.50	\$ 13.00	\$ 19.00	\$ 15.00/lb	\$ 11.25/lb
5055S Leisure Cilantro Monogerm			\$ 3.25	\$ 4.25	\$ 7.50	\$ 13.00	\$ 19.00	\$ 15.00/lb	\$ 11.25/lb
6090 Lemon Balm		\$ 3.25	\$ 4.50	\$ 7.95	\$ 25.45	\$ 84.80	\$ 164.30	\$ 159.00/lb	
5010 Lemon Basil		\$ 3.25	\$ 6.35	\$ 10.60	\$ 26.50	\$ 84.80	\$ 135.00	\$ 109.00/lb	\$ 102.50/lb
5005 Nufar Basil		\$ 3.25	\$ 6.30	\$ 10.95	\$ 30.75	\$ 93.30	\$ 143.00	\$ 135.00/lb	\$ 122.50/lb
<b>new</b> 2499 Red Veined Sorrel		\$ 5.25	\$ 10.05	\$ 18.85	\$ 52.00	\$ 164.30	\$ 275.60	\$ 232.14/lb	
5037 Rosie Basil - Limited availability		\$ 3.25	\$ 7.40	\$ 12.70	\$ 28.60	\$ 66.80	\$ 116.60	\$ 108.12/lb	\$ 99.64/lb
5050 Santo Cilantro			\$ 3.25	\$ 6.00	\$ 8.85	\$ 19.00	\$ 29.00	\$ 23.00/lb	\$ 20.25/lb
2497 Sorrel		\$ 3.25	\$ 6.35	\$ 18.00	\$ 32.00	\$ 93.30	\$ 159.00	\$ 145.22/lb	
5031 Sweet Thai Basil		\$ 3.25	\$ 5.30	\$ 10.15	\$ 26.00	\$ 90.00	\$ 140.00	\$ 121.00/lb	\$ 102.50/lb
HERB SEED - HYBRID - SOLD BY SEED WEIGHT	1/10 gram	1 gram	8 grams	1 oz	1/4 lb	1 lb	5 lb		
5006 Prospera (CG1) DMR FI Basil	\$ 3.25	\$ 4.05	\$ 9.55	\$ 27.55	\$ 79.50	\$ 265.00	\$ 243.80/lb		
HERB SEED - OP - SOLD BY SEED WEIGHT	1/10 gram	1 gram	8 grams	1 oz	1/4 lb	1 lb	5 lb	20 lb*	
6021 Chamomile	\$ 3.25	\$ 6.90	\$ 22.25	\$ 50.90	\$ 153.70	\$ 482.30	\$ 401.74/lb		
5106 Greek Oregano	\$ 4.00	\$ 9.30	\$ 35.00	\$ 79.50	\$ 215.00	\$ 725.00	\$ 643.00/lb	\$ 597.50/lb	
5009 Rutgers Devotion DMR Basil	\$ 3.25	\$ 4.25	\$ 10.05	\$ 29.40	\$ 84.80	\$ 280.90	\$ 265.00/lb		
5008 Rutgers Obsession DMR Basil	\$ 3.25	\$ 4.25	\$ 10.05	\$ 29.40	\$ 84.80	\$ 280.90	\$ 265.00/lb		
6130 Sacred Basil	\$ 3.25	\$ 6.65	\$ 11.65	\$ 26.50	\$ 95.40	\$ 350.00	\$ 307.40/lb		
5135 Summer Savory	\$ 3.25	\$ 4.20	\$ 5.75	\$ 12.00	\$ 28.00	\$ 90.00	\$ 83.00/lb	\$ 79.75/lb	
6050 Superior Licorice Mint	\$ 4.00	\$ 9.30	\$ 35.00	\$ 72.10	\$ 196.10	\$ 662.50			
5090 Sweet Marjoram	\$ 3.25	\$ 5.95	\$ 21.00	\$ 59.00	\$ 155.00	\$ 535.00	\$ 477.00/lb	\$ 424.00/lb	
5140 Thyme	\$ 3.25	\$ 6.35	\$ 10.75	\$ 32.00	\$ 88.00	\$ 280.00	\$ 240.00/lb	\$ 212.50/lb	
HERB SEED - OP - SOLD BY SEED COUNT		25	100	500	1 M	5 M	25 M		
6030 Candy Stevia - Limited availability		\$ 5.50	\$ 12.00	\$ 41.00	\$ 70.00	\$ 50.00/M			
5108 Krausa Parsley			\$ 3.25		\$ 12.00	\$ 3.80/M	\$ 2.20/M		

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.

Your Source for 100% Certified Organic, Non-GMO Project Verified Seeds

HERBS



# Flowers



Farmer and High Mowing Brand Strategist Darby holds a bouquet of Teddy Bear sunflowers in the sunflower trials field.

**CULTURAL INFORMATION:** Days to maturity are from seeding. For specific spacing and cultural information for each type of flower go to [highmowingseeds.com](http://highmowingseeds.com). Price information follows variety descriptions. M=1,000.

We have selected these easy-to-grow flower varieties for their individual beauty, for the beneficial insects they attract, and/or suitability for cut flower production. By offering an

assortment of hues, heights, growth habits and appearances, we strive to fill your flower needs, whether you are adding color to your home garden or selling bouquets for market. Our varieties are tried-and-true standards that are sure to perform well in a wide range of growing conditions. Many of these varieties are well suited for succession plantings to ensure a continuous harvest throughout the season.

FLOWERS



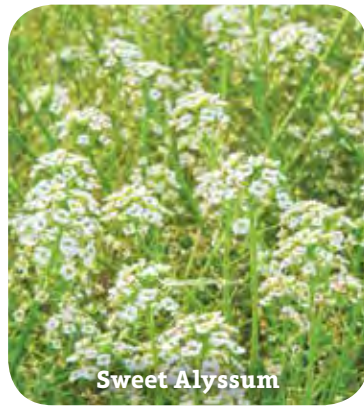
Roggli Riesen Strawflower



Las Vegas Mix Globe Amaranth



Sunball Craspedia



Sweet Alyssum



Garnet Red Amaranth

## DRIED FLOWERS

### 7055 Roggli Riesen Strawflower 75 days

OP • Strawflower • Fresh or dried • 30-36" tall • Annual

**Bright and varied colorful flowers on tall plants are excellent for drying.** A popular dried flower for bouquets and arrangements, strawflowers offer texture and color for many months after harvest. The Roggli Riesen cultivar offers a range of bloom colors including red, yellow, light pink, orange and magenta. Flowers are best cut when they are in bud. Start plants indoors 7 weeks before last frost. From our partners at the Swiss biodynamic seed company Sativa. *Helichrysum bracteatum*. 50M seeds/oz. 1/64 oz: \$3.25, 1/16 oz: \$6.35, 1/4 oz: \$13.80, 1 oz: \$47.70

### 7210 Las Vegas Mix Globe Amaranth 95 days

OP • Globe amaranth • Cut or dried flowers • 18-24" tall • Annual

**Beautiful mix of long-lasting globe-shaped flowers perfect for fresh and dried floral arrangements, garden borders, and containers.** This highly productive mix creates a plethora of beautiful clover-like flowers that bring a cheerful look to gardens and containers alike. Tight flowers have long field lasting quality and grow into a dense, bush habit which makes for easy field maintenance. A desirable accent flower for floral arrangements, this mix is a must for the market gardener selling fresh or dried bouquets. *Gomphrena globosa*. 5.6M seeds/oz. 1/64 oz: \$3.25, 1/16 oz: \$9.55, 1/4 oz: \$29.70, 1 oz: \$90.10 Unavailable in 2022

### **new** 7056 Sunball Craspedia 110 days

OP • Craspedia • Cut or dried flowers • 24-30" tall • Annual

**Ethereal, golden balls atop silvery foliage that can be harvested and dried, maintaining their vibrant color and upright shape.** A favorite of our trials manager, this variety is a stunning garden plant that can be cut fresh with a long vase life and easily dried for long term enjoyment. The golden-yellow color is striking and the unique shape brings something magical to the garden, to bouquets, and to dried floral arrangements. From our partners at Genesis Seeds. *Craspedia globosa*. 50 seeds: \$3.25, 250 seeds: \$5.50, 1M: \$15.40, 5M: \$64.05

## ALYSSUM - *Lobularia maritima*

### 7015 Sweet Alyssum 50-60 days

OP • Tall & highly branched • Supports beneficial insects • Re-seeding annual

**A refined, tall, white strain excellent for attracting beneficial insects and pollinators.** A strong, tall plant structure sets this strain of sweet alyssum apart, providing excellent branching for a thick layer of small, white blossoms. Plant at the end of greenhouse rows to increase pollinator habitat. A wonderful addition to cut flower gardens, sweet alyssum can also be utilized as a cover crop for adding valuable organic matter. 71M seeds/oz. 1/64 oz: \$3.25, 1/8 oz: \$8.20, 1/2 oz: \$15.90, 2 oz: \$35.00, 1/2 lb: \$111.30

## AMARANTH - *Amaranthus cruentus*

### 1760 Garnet Red Amaranth 75 days

OP • Great cut flower • Edible foliage • 6-8' tall • Annual

**Large, beautiful plants with impressive red spires ideal for fresh bouquets.** Delicious microgreen, baby leaf green, and attractive flower that is sure to bring joy to the garden or dinner table. Heat tolerant, the plants can reach towering heights and will grow steadily through the summer weather. Dramatic plumes of deep red flowers are a striking addition to flower arrangements and fresh bouquets. These brilliant plants are a stand out in a garden setting. 37.3M seeds/oz. See baby greens photo on p. 37. 1/8 oz: \$3.25, 1/2 oz: \$8.50, 2 oz: \$19.10, 1/4 lb: \$23.30, 1 lb: \$58.30, 5 lb: \$238.50, 20 lb: \$733.50

**ARTEMISIA - *Artemisia annua***

**new 7091 Sweet Annie 120 days**

OP • Cut or dried flowers • 48-72" tall • Annual  
**Aromatic spears of delicate, ferny foliage with multitudes of tiny, light yellow flowers.** An excellent filler plant used in fresh and dried arrangements with a sweet smell that lasts even after being dried. Plants are vigorous and can reach towering heights of up to 6' tall in warm regions. A must-have for the cut flower and dried flower assortment. 585.7M seeds/oz. **1/4 gram: \$12.00, 1 gram: \$32.00, 2 grams: \$63.00, 5 grams: \$115.00**

**BACHELOR BUTTON - *Centaurea cyanus***

**7017 Polka Dot Blend 90 days**

OP • Drought tolerant • 16-24" tall • Re-seeding annual • Edible  
**A wonderful cut flower and bedding plant in diverse shades of blue, pink, white and lavender.** Large 2" flowers on well-branched plants. Prefers full sun, cool temperatures and well-drained, poor soil. Direct sow or start indoors 4-6 weeks before planting date, planting outdoors as soon as the soil can be worked. NOTE: This species is considered invasive in some states in the southeastern U.S. Check your region's invasive species list for full information. 6.25M seeds/oz. **1/32 oz: \$3.25, 1/8 oz: \$4.50, 1/2 oz: \$8.50, 2 oz: \$19.10, 1/2 lb: \$47.70**

**CALENDULA - *Calendula officinalis***

**7021 Pacific Beauty Blend 60 days**

HEIRLOOM • Prefers cool conditions • 12-24" tall • Annual  
**A bright medley of single and double orange, gold, yellow and cream-colored flowers.** Well-branched plants with tall, straight stems with continuous blooms all summer. Fresh petals are beautiful in salads and as cake decorations. Also known as pot marigold. 4.5M seeds/oz. **1/32 oz: \$3.25, 1/8 oz: \$5.55, 1/2 oz: \$15.90, 2 oz: \$42.40**

**7020 Resina 80 days**

OP • Best medicinal variety • Spring bee food • 24-30" tall • Annual  
**Bright yellow, daisy-like blooms with a few orange show-offs and extremely high resin content.** A few orange types help keep the genetic variation of this powerful strain alive and well. Excellent medicinal properties compared to other calendulas; used as an herbal application for inflammation and localized skin problems. Also used as a dye for food or fabric and as an edible flower. 2.8M seeds/oz. **1/32 oz: \$3.25, 1/8 oz: \$6.35, 1/2 oz: \$17.50, 2 oz: \$58.40, 1/2 lb: \$140.25, 1 lb: \$194.85**

**7019 Strawberry Blonde 80 days**

OP • OSSI • Unusual cut flower • Edible salad flower • 18-24" tall • Annual  
**Warm and colorful antique-looking pink and yellow petals with dark red flashy undersides.** Long-lasting cut or dried flowers, and edible flowers to dress up summer salads. Bushy plants flower into the fall. Long stems pull off easily for simple and fast cut flower harvest. A great variety from Frank Morton's Flashback series. 2M seeds/oz. **1/32 oz: \$3.25, 1/8 oz: \$9.80, 1/2 oz: \$25.45, 2 oz: \$74.20**

**CELOSIA - *Celosia* spp.**

**new 7217 Red Flame 105-120 days**

OP • Cut or dried flowers • Cockscomb shape • 26-32" tall • Annual  
**Large, stunning velvety cockscomb blooms with a brilliant red flame coloration.** Plants are vigorous with compact, sturdy growth habit. 2-4" blooms rise from green, purplish leaves. Stems are strong and easily stripped of leaves at harvest. Flowers have an incredible vase life, lasting up to two weeks in water. Blooms can be dried for striking ornamental arrangements. Highly vigorous plants produce for a long harvest window and have great field-holding quality. *Celosia argentea* var. *cristata*. **50 seeds: \$3.25, 250 seeds: \$6.00, 1 M: \$11.25, 5 M: \$43.75**

**new 7218 Supercrest Mix 110-125 days**

OP • Cut or dried flowers • Fan shape • 36-48" tall • Annual  
**Unique assortment of shiny, fan-shaped blooms with colors ranging from apricot, orange, cream and lemon to bright pink and purple.** Each bloom is a distinctive work of art, with an individual texture, color and shape all its own. Flowers have an incredible vase life, lasting up to two weeks in water. Blooms are easily dried for ornamental arrangements and should be harvested before they begin to drop seeds. Plants thrive in hot, dry conditions and will produce a plethora of blooms all season long. From our partners at Genesis Seeds. *Celosia argentea* var. *cristata*. **50 seeds: \$3.25, 250 seeds: \$6.00, 1 M: \$11.25, 5 M: \$43.75**

**CONEFLOWER - *Echinacea purpurea***

**6040 Echinacea purpurea 110 days**

OP • Medicinal and ornamental • Attracts monarch butterflies • 30-47" tall • Perennial  
**Beautiful 3-4" flowers with pink-orange center cones and radiating magenta petals.** Medicinal compounds are most concentrated in young flower buds and fibrous roots. This is the easiest and hardiest cultivar to grow in northern climates. Seeds must be cold-treated before germination. 7.5M seeds/oz. **1/32 oz: \$3.25, 1/8 oz: \$5.05, 1/2 oz: \$8.75, 2 oz: \$25.45, 1/2 lb: \$90.10, 1 lb: \$153.70, 5 lb: \$657.20, 20 LB\*: \$2,259.90**  
\*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.



Sweet Annie



Polka Dot Blend



Pacific Beauty Blend



Resina



Strawberry Blonde



Red Flame



Supercrest Mix



Echinacea purpurea

FLOWERS

## COSMOS - *Cosmos* spp.



Bright Lights Blend



Double Click Blend

### 7075 **Bright Lights Blend** 85 days

OP • Easy to grow • Attracts bees • 2-3' tall • Annual  
**Multitudes of flame-colored flowers on bushy plants.** Golden-yellow, burnt-orange and fiery-red petals cover these 2.5" wide fully double flowers. Excellent eye-catching border plant, and in pots and bouquets. Cosmos require little fertility or care, making them great for beginners. *C. sulphureus*. NOTE: This species is considered invasive in some states in the southeastern U.S. Check your region's invasive species list for full information. 3.75M seeds/oz. 1/32 oz: \$3.25, 1/8 oz: \$9.00, 1/2 oz: \$23.30, 2 oz: \$46.65, 1/2 lb: \$90.10

### 7037 **Double Click Blend** 85 days

OP • Drought tolerant • Attracts bees • 3-4' tall • Annual  
**The cosmos you could confuse with a dahlia.** Blend of fully double and semi-double flowers share the many-shaded pinks of Sensation Blend, but have the layered petals of an aster or dahlia. Hardy, tolerant of drought and low fertility, subject to very little disease or pest pressure, this cosmos blend is much easier to grow than either of its look-alikes. Give Double Click a try! *C. bipinnatus*. 10M seeds/oz. 1/32 oz: \$3.25, 1/8 oz: \$8.50, 1/2 oz: \$22.25, 2 oz: \$58.30, 1/2 lb: \$185.50

### 7076 **Sensation Blend** 85 days

OP • Great cut flower • Attracts bees • 3-4' tall • Annual  
**Sensational blend of showy white, pink, magenta and lavender blooms.** Single flowers are 3-4" wide and are lovely in summer borders, container plantings or bouquets. Tall stems great for cutting. An All-America Selections (AAS) winner in 1936 and remains a favorite today. Cosmos require little fertility or care, making them great for beginning gardeners. *C. bipinnatus*. 4.3M seeds/oz. 1/32 oz: \$3.25, 1/8 oz: \$7.25, 1/2 oz: \$17.35, 2 oz: \$43.40, 1/2 lb: \$151.60

### 7036 **Sea Shells Blend** 90 days

OP • Prolific • Attracts bees • 3-4' tall • Annual  
**A lovely mix of dark pink, pastel pink and white tubular petals on delicate stems atop airy foliage.** Petals are gently rolled in on themselves like sea shells. Similar to Sensation Blend in color spectrum and plant habit, but with mostly tubular petals for a ruffled, eye-catching effect. *C. bipinnatus*. 4M seeds/oz. 1/32 OZ \$3.25, 1/8 oz: \$4.50, 1/2 oz: \$13.25, 2 oz: \$45.60, 1/2 lb: \$125.10

## DIANTHUS - *Dianthus barbatus*

### **new** 7219 **Volcano Mix** 100-110 days

OP • First year flowering • 16-24" tall • Perennial  
**A lovely mix of multi-bloom stems ranging from pink and purple to white with a nice variety of petal coloration.** This first-year flowering Dianthus is best grown as an annual and has a nice mixture of colors, perfectly blended for bouquets and in-the-garden beauty. Flower petals are edible and should be removed from the stem before consumption, offering a spicy, mild, clove flavor. Plants are vigorous and high-yielding, making it a reliable mix for cut flower production. 25 seeds: \$4.15, 100 seeds: \$12.00, 500 seeds: \$28.00, 1M: \$45.00

## LARKSPUR - *Delphinium consolida*

### 7060 **Galilee Blend** 85 days

OP • Cut or dried flower • 3-4' tall • Annual  
**Luxuriant spikes of brilliant blue, deep pink, powder pink, white and deep purple flowers.** Creates a rainbow of color; best for mass plantings. Commonly used as a cut flower, dried or in the back of borders. Requires cold temperature for germination; direct seed or transplant. Final plant spacing is 4-6". Provide support for best quality. 11.4M seeds/oz. 1/64 oz: \$3.25, 1/8 oz: \$8.00, 1/2 oz: \$15.00, 2 oz: \$45.60

## MARIGOLD - *Tagetes* spp.

### 7073 **Pinwheel** 80-90 days

OP • Attracts pollinators • 2.5-3.5' plants • Annual  
**A delightful medley of brilliant red and yellow petals on each bloom.** Pollinators and growers alike are amazed at Pinwheel's playful coloring, which entrances passersby to stop and join in the fun. Easy to grow, these relatively tall marigold plants produce prolific blossoms and will be covered in pollinators for many months as they continue to bloom. Our strain has been carefully stewarded by Petra Page-Mann and Matthew Goldfarb at Fruition Seeds. *Tagetes patula*. 6M seeds/oz. 1/32 oz: \$3.25, 1/8 oz: \$5.30, 1/2 oz: \$15.90, 2 oz: \$47.70

## MEXICAN SUNFLOWER - *Tithonia rotundifolia*

### 7110 **Mexican Sunflower** 85 days

OP • Heat and drought tolerant • Attracts butterflies • 4-6' tall • Annual  
**Gorgeous, tall plants with 3" orange daisy-like blooms are stunning.** Native to Mexico and Central America, Mexican Sunflower plants tolerate poor, dry soils, but will thrive in any climate. Vigorous, tall plants are easy to harvest for cut flowers. Flowers are extremely attractive to bees and butterflies. Deadhead spent blooms to prolong flowering. 2.8M seeds/oz. 1/32 oz: \$3.25, 1/8 oz: \$8.50, 1 oz: \$37.10, 1/4 lb: \$107.05



Sensation Blend



Sea Shells Blend



Volcano Mix



Galilee Blend Larkspur



Pinwheel



Mexican Sunflower



## NASTURTIUM - *Tropaeolum* spp.

### 7161 **Alaska Mix** 60 days

OP • Compact plants • Edible flowers and foliage • Annual

**Dark green leaves streaked with white and a mix of yellow, orange, salmon and crimson flowers.** Foliage and flowers are equally beautiful in this mix with variegated leaves. Delicate blossoms add a gentle, peppery flavor to salads. Stems and leaves have a refreshing, succulent texture. *T. minus*. 200 seeds/oz. **1/8 oz: \$3.25, 1/2 oz: \$8.50, 2 oz: \$21.20, 1/2 lb: \$56.20, 1 lb: \$84.80, 5 lb: \$371.00**  
Limited availability in 2022



Alaska Mix

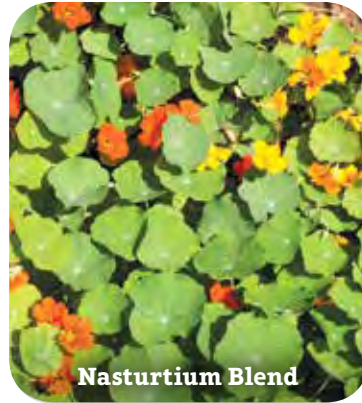


Dwarf Jewel Blend

### 7160 **Dwarf Jewel Blend** 60 days

OP • Spreading habit • Edible flowers and foliage • 12-24" tall • Annual

**Brilliant orange and yellow flowers contrast nicely with round, green leaves.** Makes a beautiful border plant. The peppery-tasting edible flowers are exquisite when stuffed with cream cheese or added to salads for color. Slow to germinate, start as transplants 4-5 weeks before last frost. Plant 16" apart. *T. majus*. 200 seeds/oz. **1/8 oz: \$3.25, 1/2 oz: \$11.00, 2 oz: \$25.00, 1/2 lb: \$69.95, 1 lb: \$115.00, 5 lb: \$465.00**



Nasturtium Blend



Jasmine Scented Nicotiana

### 7077 **Nasturtium Blend** 60 days

OP • Trailing • Vines grow to 10' long • Edible flowers and foliage • Annual

**Attractive, sunny mix of yellow, orange, rose and crimson flowers on trailing plants.** Delicate lily-petal-like leaves are just as attractive as the bright flowers. Edible flowers and foliage are a gourmet treat with flavor reminiscent of peppery watercress. Perfect for hanging baskets, containers or in the garden. *T. majus*. 200 seeds/oz. **1/8 oz: \$3.25, 1/2 oz: \$9.80, 2 oz: \$22.90, 1/2 lb: \$50.10, 1 lb: \$83.50, 5 lb: \$389.55**

## NICOTIANA - *Nicotiana glauca*

### 7090 **Jasmine Scented** 75 days

OP • Bedding plant • 24-36" tall • Re-seeding annual

**Lovely, pendulous white star-shaped flowers offer their fragrance to the night.** Pollinated by moths. Easy to grow; plants will re-seed. Direct sow by scattering seeds on soil or start transplants 6-8 weeks ahead of planting date. Plant out after last frost. 271M seeds/oz. **1/64 oz: \$3.25, 1/8 oz: \$8.80, 1/2 oz: \$14.10, 2 oz: \$47.95**

## NIGELLA - *Nigella damascena*

### **new** 7221 **Nigella** 65-70 days flowers, 80-85 pods

OP • Fresh cut flower or dried pods • 20-28" tall • Annual

**Light to dark blue, star-shaped blooms hovering among fern-like foliage with ornamental seed pods.** Plants are covered in gorgeous blue blooms that attract pollinators and other beneficials in a humming display. Beautiful fresh cut flowers are jewel-like and bring an old-fashioned charm to bouquets. Unusual and attractive seed pods can be dried and used in ornamental arrangements. A beautiful sight to behold in the garden with true commercial potential. **50 seeds: \$3.25, 250 seeds: \$5.25, 1 M: \$7.95, 5 M: \$12.95**



Nigella

# Red Flame Celosia

**A flower that offers eternal fire.** Beautiful, velvety cockscomb blooms are brilliant red with burgundy leaves offering an impactful punch in a fresh bouquet, dried in an arrangement, or as a border to your home garden. Stems are strong and plants hold up well for cut flower production. Plants have staying power in the field and staying power in your life as their color deepens with the drying process and dried blooms can be kept for years.

- Blooms are perfect fresh or dried
- Can last up to two weeks in water
- Resilient, vigorous & productive





California Orange



Pierrot



Planète Rouge du Jura



Black Beauty



Rudbekia



Lion's Mouth Blend



Zohar F1



Golden Ray F1

POPPY

7094 **California Orange** 60 days

OP • Naturalizes in poor, dry soil • 8-12" tall • Re-seeding annual  
**Simple, silky orange flowers accented by wispy, blue-green foliage.** Prolific sun-loving blooms are very attractive in flower beds or naturalized in fields. Start transplants 2-3 weeks before last frost or direct sow 1/4" deep after last frost; transplant carefully and thin to a final spacing of 6" apart. *Eschscholzia californica*. 18.8M seeds/oz. 1/64 oz: \$3.25, 1/16 oz: \$4.15, 1/4 oz: \$9.00, 1 oz: \$26.50

7093 **Pierrot** 65 days

OP • Prefers poor soil • 2-3' tall • Re-seeding annual  
**Striking, deep red blooms with jet-black markings float above airy foliage.** Silky scarlet petals form 3" diameter flowers with four large black markings in the center. Adds a vibrant splash of color to beds and borders. Flowers have long, wiry stems over light green, ferny foliage. An abundant seed producer; may naturalize in mild climates. Scatter seeds and rake in lightly, then thin to 6" apart. *Papaver rhoeas*. 142M seeds/oz. 1/64 oz: \$3.25, 1/16 oz: \$5.55, 1/4 oz: \$11.65, 1 oz: \$40.30

7095 **Planète Rouge du Jura** 75 days

OP • Prefers poor soil • 3-4' tall • Re-seeding annual  
**Tall, gorgeous poppy in shades of lavender, magenta and mauve.** Large, luxuriant 4-6" blooms are mostly lavender-pink with a few bright magenta heads mixed in. Each flower center is ringed by four deep eggplant markings. Blooms contrast attractively with the waxy, gray-green, scalloped foliage. A rare Swiss variety originally developed for seed and poppy seed oil production. *Papaver somniferum*. 28M seeds/oz. 1/64 oz: \$3.25, 1/16 oz: \$6.35, 1/4 oz: \$13.80, 1 oz: \$47.70

7092 **Black Beauty** 78 days

OP • 3-4' tall • Tolerates poor soil • Re-seeding annual  
**The poppy that looks like a gorgeous peony.** With a combination of double flowers and single petal blooms with dark velvety burgundy color, Black Beauty is a stunning eye-catcher unlike any poppy you've ever seen. And like all poppies, it's easy to grow, needs minimal care, and will re-seed itself. *Papaver somniferum*. 18M seeds/oz. 1/64 oz: \$3.25, 1/16 oz: \$8.80, 1/4 oz: \$14.05, 1 oz: \$45.60

RUDBECKIA - *Rudbeckia hirta*

**new** 7220 **Rudbeckia** 90-105 days

OP • Prolific • 32-46" tall • Perennial  
**Vigorous plants erupt in a cheerful blend of 4-6" bright yellow to red blooms, some exhibiting highly contrasting coloration.** Foliage is dark green, and stems are multi-branching and sturdy, offering seemingly endless blooms over a long harvest window. Exceptional cut flower, border plant, and overall easy to grow flower that attracts pollinators and admirers alike. 50 seeds: \$3.25, 250 seeds: \$5.25, 1 M: \$9.00, 5 M: \$23.00

SNAPDRAGON - *Antirrhinum majus*

7018 **Lion's Mouth Blend** 110 days

OP • Excellent cut flower • 12-24" • Annual  
**Gorgeous blend of bold and pastel colors.** Snapdragons are slow growing in spring but worth the wait, as they bloom continuously through the summer, especially with trimming. One of the premium cut flowers for bouquets and arrangements. Also makes a showy border or garden bed. Start indoors 8-10 weeks ahead and set out after frost, spacing 8-10" apart. Cut when the lower third of the florets are open. 100M seeds/oz. 1/64 oz: \$3.25, 1/16 oz: \$9.55, 1/4 oz: \$29.70, 1 oz: \$90.10

SUNFLOWER - *Helianthus annuus*

7099 **Zohar F1** 63 days

HYBRID • Pollenless cut flower • 4-6" flowers • 3-4' tall • Annual  
**Pollenless sunflower for cut flowers.** Greater holding capacity as a cut flower and no mess from shedding pollen. Single-stemmed plants bear flowers with rays of orange-yellow petals surrounding a fully sterile dark center. 25 seeds: \$3.25, 100 seeds: \$9.55, 1 M: \$37.10, 5 M: \$164.30, 25 M: \$736.70

**new** 7104 **Golden Ray F1** 65 days

HYBRID • Pollenless cut flower • 5-6" tall • Annual  
**Prolific producer of exceptionally uniform, bright yellow flowers.** Multi-branching plants are covered in medium sized, near perfect flowers, making this an ideal variety for commercial production, cut flowers and bouquets. The visual display of these uniform plants is striking; plants are not too tall and are excellent for the garden due to their tidy growth habit. From our partners at Genesis Seeds. 25 seeds: \$3.25, 100 seeds: \$10.05, 1 M: \$68.90, 5 M: \$238.50, 25 M: \$1,007.00

## 7111 **Medium Red** 65 days

OP • Great cut flower • Gorgeous blend of red sunflowers • 5-6' tall • Annual  
**Beautiful blend of well-branched, red sunflowers ideal for cut flowers and gardens alike.** This lovely mix of red sunflowers offers some unique flair as the genetic mix presents a deep and romantic coloration that is hard to resist. Striking in the field or garden, the strong stalks make these colorful blooms an excellent choice for cut flower production. From our partners at De Bolster Organic Seeds. 1.3M seeds/oz. 1/16 oz: **\$3.25**, 1/4 oz: **\$7.60**, 1 oz: **\$11.65**, 1/4 lb: **\$25.45**, 1 lb: **\$79.50**



Medium Red



Autumn Beauty Blend

## 7096 **Autumn Beauty Blend** 70 days

OP • Food for birds and bees • 7' tall • Annual  
**An explosion of 4-6" flowers in the rich colors of fall.** Flowers seem to glow in an array of gold, bronze, orange and scarlet tones with lots of bicolors. Well-branched, tall plants with numerous flowers over a long season. Good bird food with lots of oil-rich seeds. 1.1M seeds/oz. 1/16 oz: **\$3.25**, 1/4 oz: **\$7.40**, 1 oz: **\$9.55**, 1/4 lb: **\$33.90**, 1 lb: **\$74.20**

## 7109 **Lemon Queen** 70 days

OP • Excellent cut flower • Attracts bees • 8-10' tall • Annual  
**Buttery, pale yellow petals contrast nicely with a wide brown center.** This well-known variety has one large main flower followed by smaller, branching secondary flowers of excellent quality. Each flower has a long stem and holds well in bouquets. Plants bloom for a long period of time. 700 seeds/oz. 1/16 oz: **\$3.25**, 1/4 oz: **\$7.95**, 1 oz: **\$10.30**, 1/4 lb: **\$21.75**, 1 lb: **\$71.00** *Unavailable in 2022*



Lemon Queen



Evening Colors Blend

## 7098 **Evening Colors Blend** 72 days

OP • Great cut flower • Attracts bees and butterflies • 8' tall • Annual  
**Each plant carries an amazing variety of gold and pale yellow flowers with dusty-rose to pink rings.** An unusual genetic mix with few solid colors and chocolatey-brown centers. Well-branched; stems average 18" long with single heads. Great for bouquets and provides a long season of color. 1.1M seeds/oz. 1/16 oz: **\$3.25**, 1/4 oz: **\$7.70**, 1 oz: **\$11.65**, 1/4 lb: **\$25.45**, 1 lb: **\$79.50**

## 7097 **Goldy Double** 75 days

OP • Attracts bees • 5-6' tall • Annual  
**Large, fully double and fuzzy blooms soft enough to cuddle with.** Multi-branching plants have numerous bright yellow, eye-catching, pompom-like flowers adored by everyone. Will bloom longer than any other type; highly vigorous and productive. 550 seeds/oz. 1/16 oz: **\$3.25**, 1/4 oz: **\$10.60**, 1 oz: **\$28.60**, 1/4 lb: **\$90.10**, 1 lb: **\$238.50**



Goldy Double



Hella Sonnenblume

## 7106 **Hella Sonnenblume** 75-80 days

OP • Superb cut flower • 2-3' tall • Annual  
**A stunning dwarf sunflower for bouquets.** Lovely 4" diameter gold-petaled blooms are incredibly uniform on sturdy 12" stems. Cute, undeniably dwarf plants reach only 3.5' in height, but from the main stalk each produces an abundance of long, ruler-straight stems perfect for cutting. Easy to harvest with long vase life—an instant stand-out in our trials. From our friends at Swiss biodynamic seed company Sativa. 2M seeds/oz. 1/16 oz: **\$4.20**, 1/4 oz: **\$10.60**, 1 oz: **\$31.80**, 1/4 lb: **\$90.10**, 1 lb: **\$238.50**

## 7102 **Teddy Bear** 77 days

OP • Good container variety • 2-3' tall • Annual  
**Loads of big, golden yellow, puffy-looking blooms.** Great selection for a kids' garden. Sturdy, dwarf plants have an upright habit. Teddy Bear is nice for cutting and equally nice for a colorful garden border. Suitable for containers. 1.3M seeds/oz. 1/16 oz: **\$3.25**, 1/4 oz: **\$6.70**, 1 oz: **\$12.70**, 1/4 lb: **\$26.50**, 1 lb: **\$79.50**



Teddy Bear



Velvet Queen

## 7107 **Velvet Queen** 80 days

OP • Great cut flower • Attracts bees • 5' tall • Annual  
**Deep velvety crimson blooms accented with traces of yellow around a black center.** Foliage is distinct and attractive, and the plants are free branching, bearing lots of 5-6" blooms that are lovely for cutting. A chic and sophisticated sunflower for cut flower connoisseurs. 550 seeds/oz. 1/16 oz: **\$3.25**, 1/4 oz: **\$7.00**, 1 oz: **\$15.60**, 1/4 lb: **\$45.60**, 1 lb: **\$111.30**

## 7103 **Hopi Black Dye** 95 days

HEIRLOOM • Natural dye source • 7-11' tall  
**A Hopi heirloom prized for its purple-black seeds, used especially for coloring baskets.** High Mowing sold this variety in our very first catalog, and we brought it back in part to complete the circle of our journey and in part because it's a great variety. Like us, it's scrappy and resilient and does a lot with a little. The seeds are good for dye but also for food or feed, and are the best for de-hulling. The massive, tall flowers are classically sunflower beautiful, with yellow rays around purple-black centers. Grown for countless generations, this variety will almost certainly still be used to make dye a hundred years from now. 500 seeds/oz. 1/16 oz: **\$3.25**, 1/4 oz: **\$4.75**, 1 oz: **\$13.80**, 1/4 lb: **\$47.70**, 1 lb: **\$180.20**



Hopi Black Dye



Mammoth

## 7100 **Mammoth** 105 days

OP • Food for birds and bees • Fun for kids • 12' tall • Annual  
**The giant of all sunflowers with tall, thick stalks supporting huge heads that tower over the garden.** This single-stemmed variety is a very fast and vigorous grower, perfect for creating living walls or fences, sunflower houses, kids' gardens and more. Also a great variety for edible seeds or feeding the birds. Towering plants are beloved by children, birds and bees. 295 seeds/oz. 1/8 oz: **\$3.25**, 2 oz: **\$11.65**, 1/2 lb: **\$19.10**, 1 lb: **\$30.75**, 5 lb: **\$132.50**

ZINNIA - *Zinnia elegans*



County Fair Blend



Dwarf Thumbolina

**7150 County Fair Blend** 75-90 days  
 OP • **HMOS EXCLUSIVE** • Excellent cut flower • Attracts butterflies • 24-36" plants • Annual  
**Warm-toned mix of pink, orange, purple, gold and cream blooms.** An excellent cut flower that blooms until frost; the more you cut the more they grow. 2-5" blooms ideal for borders and bouquets. Heat and disease tolerant. Zinnias last longer if you change the water in the vase every two days and keep out of direct sunlight. 2.7M seeds/oz. **1/32 oz: \$3.25, 1/8 oz: \$5.55, 1/2 oz: \$12.70, 2 oz: \$36.05**

**new** **7154 Dwarf Thumbolina** 75-90 days  
 OP • Semi-double and double blooms • 12-16" tall • Annual  
**Short and sweet, multi-branching zinnias with beautiful, light-hearted colors and semi-double to double, mini blooms.** Plants are covered in irresistible, 2" blossoms featuring an appealing blend of whimsical colors. The bright hues attract pollinators and offer a beautiful accent to any border, garden, or container planting. Short, multi-branching stems make for precious bouquets. Plants grow quickly and reach bloom maturity early. From our partners at Genesis Seeds. **50 seeds: \$3.25, 250 seeds: \$6.00, 1 M: \$15.00, 5 M: \$35.00**



Giant Coral



Giant Purple

**7147 Giant Coral** 75-90 days  
 OP • Excellent cut flower • Attracts butterflies • 40-50" plants • Annual  
**Large, fully double red-coral blooms ideal for cut flowers or bright borders.** Lovely salmon-pink to coral flowers on long, sturdy stems. Huge 4" blooms. Disease and heat tolerant, and holds up well in the vase. Change water often for longest life. Direct seed or start transplants 3-4 weeks before last frost date. 3.4M seeds/oz. **1/32 oz: \$3.25, 1/8 oz: \$11.65, 1/2 oz: \$26.50, 2 oz: \$53.00**

**7148 Giant Purple** 75-90 days  
 OP • Excellent cut flower • Attracts butterflies • 40-50" plants • Annual  
**Big, fully double magenta blooms for a sophisticated statement in borders and bouquets.** Huge, 4-6" purple blooms on long, sturdy stems. Disease and heat tolerant, and holds up well in the vase. Change water often for longest life. 3.4M seeds/oz. **1/32 oz: \$3.25, 1/8 oz: \$11.65, 1/2 oz: \$26.50, 2 oz: \$53.00**  
 Unavailable in 2022

**7149 Golden Yellow** 75-90 days  
 OP • Excellent cut flower • Attracts butterflies • 30-36" plants • Annual  
**Fully double gold blooms make a dazzling display in the garden.** Well-branched stems provide a continuous supply of easy-to-grow 3-4" blooms that hold up well in a vase. Excellent heat and cold tolerance keep this variety productive until frost. 5M seeds/oz. **1/32 oz: \$3.25, 1/8 oz: \$11.65, 1/2 oz: \$26.50, 2 oz: \$53.00**



Golden Yellow



Orange

**7151 Orange** 75-90 days  
 OP • Excellent cut flower • Attracts butterflies • 40-50" plants • Annual  
**Large, bold, orange blooms; beautiful as cut flowers or as borders in the garden.** 4-6" blooms have incredible vase life, especially when water is routinely changed. With great field holding quality, plants produce continuous flowers throughout the season. Good tolerance to heat and cold, these vigorous zinnias are a reliable choice for the farm or garden. 2.7M seeds/oz. **1/32 oz: \$3.25, 1/8 oz: \$11.65, 1/2 oz: \$26.50, 2 oz: \$53.00**

**7145 Red Scarlet** 85 days  
 OP • Excellent cut flower • Attracts butterflies • 30-36" plants • Annual  
**Deep scarlet blooms for an eye-catching variety superior to many others.** A great cutting type with many high-quality flowers and attractive foliage. Dramatic in mass plantings. A standout for quality and cold tolerance in our trials. 3.9M seeds/oz. **1/32 oz: \$3.25, 1/8 oz: \$14.05, 1/2 oz: \$35.00, 2 oz: \$65.70**



Red Scarlet



Beeline Pollinator Mix

**7045 Beeline Pollinator Mix** 55 days  
 OP • **HMOS EXCLUSIVE** • Attracts bees and other pollinators • 24-36" tall • Annual  
**Give your bees support with this pollinator-friendly collection.** A diverse nutrition source for a wide variety of bees, butterflies and other pollinators. Purple-flowered phacelia is the star of this mix, providing important bee forage over a long season, while sunflowers, cosmos, herbs and other flowers provide favorite pollen and nectar sources to both domesticated and wild bees. May contain cosmos, bachelor button, sunflower, mustards and phacelia. 7.9M seeds/oz. Seeding rate: 1 oz/200 sq. feet or 1 lb for 3,200 sq ft. **1 oz: \$15.90, 1/4 lb: \$42.40, 1 lb: \$95.40, 5 lb: \$323.30, 20 lb\*: \$1,026.10**

\*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.

FLOWER MIXES

FLOWERS

# Cover Crops

Excellent coverage provided by Annual Ryegrass cover crop at the trials farm.

We are pleased to offer a wide variety of cover crops for nearly every season and purpose. Cover crops can be used to improve soil health through a wide variety of mechanisms. These mechanisms include adding organic matter and nutrients, smothering weeds, breaking up compacted soil, preventing erosion, providing forage and attracting beneficial insects. Each cover crop should be sown at a particular time; for your convenience we have noted below each item name when the crop should be sown and some of its primary uses.

Cover crops range from hardy winter varieties like Winter Rye and Hairy Vetch to reseeding annual varieties like Crimson Clover. Most cover crops are intended to be mowed or tilled in several weeks before planting of vegetable crops. Generally, home gardeners can plant cover crops by broadcast sowing over freshly turned soil, ideally before a rain. Just before the cover crops set seed they can be cut with a scythe or mower and then be turned under with a rototiller. Annual cover crops that winter-kill may be easier to grow.

## 8085 Annual Ryegrass

OP • Sow spring to late summer • Hardy to Zone 6 • Annual

**Quick-to-establish, versatile annual grass.** Used for weed suppression, erosion control, adding organic matter, or as a nutrient catch. Seed in paths and mow for an excellent ground cover. Broadcast seed at 20-30 lbs/acre. If soil is tilled and moist, no need to incorporate; if dry or using for culti-packing, drill 10-20 lbs/acre, 1/4-1/2 inch deep. *Lolium multiflorum*. Seeding rate: 10-20 lbs/acre, 1/2 lb/1,000 sq ft.

## 8111 BMR Sorghum-Sudangrass F1

HYBRID • Sow in spring • Drought tolerant • Annual

**Heat and drought-tolerant cross between sorghum and Sudangrass.** For building biomass, smothering weeds and penetrating compact soils. With growth up to 12' tall and dry matter production of 4,000-5,000 lbs/acre, it makes an excellent soil builder. Adaptable to much of the U.S., provided the soil temperature reaches 65°F two months before the first frost. Seed 0.5-1.5" deep; shallower in heavier soils, deeper in sandy soils. *Sorghum bicolor*. Seeding rate: 35 lbs/acre drilled, 40-50 lbs/acre broadcast.

## 8010 Common Buckwheat

OP • Sow in spring • Fast grower • Annual

**Warm-season crop for building soil and smothering weeds.** Planting several successions in a season can be effective for eradicating persistent annual weeds which are out-competed by buckwheat's quick growth. Loosens clay, increases phosphorus and holds fertility for the next crop. Sow after danger of frost has passed, up to 45 days before the first frost. *Fagopyrum esculentum*. Seeding rate: 35-135 lbs/acre, 2-3 lbs/1,000 sq ft.

## 8020 Oats

OP • Sow spring or late summer • Mulching cover • Annual

**Thick roots that hold the soil and create mats of straw mulch.** Sow oats in spring for grain or as a nurse crop for clover and field peas. Sow in late summer as a cover crop to winter-kill at about 15°F. Great for late summer sowing between corn. *Avena sativa*. Seeding rate: 90 lbs/acre, 3-4 lbs/1,000 sq ft.

## 8115 Phacelia

OP • Annual • Strip plant with pollination dependent crops

**Productive flowering cover crop with excellent pollinator attraction.** Highly attractive to honeybees, bumblebees, and syrphid flies, whose larva are voracious feeders on aphids and young caterpillars. Phacelia is widely adaptable, performing in both sandy and rocky soils, and tolerates drought. Often grown together with buckwheat, which acts as a nurse crop for the slower germinating phacelia. Plants can tolerate a light frost but will become damaged by a hard freeze. Large taproot and accompanying fibrous roots are excellent for breaking up compacted soils. Seeding rate: 7-12 lbs/acre, 1/4 lb/1000 sq ft.

## 8000 Tilling Radish

OP • Sow in fall • Fast growing • Builds biomass

**Excellent fall cover crop for reducing compaction and building soil organic matter.** Fast-growing crop provides excellent weed suppression. Taproots up to 30" long aerate the soil, reduce compaction, scavenge nutrients, lighten clay soils and increase yields. Sow 8-10 lbs/acre 4-10 weeks before the first killing frost. *Raphanus sativus*. Seeding rate: 8-10 lbs/acre, 1/4 lb/1,000 sq ft.





Winter Rye



Crimson Clover



Field Peas



Hairy Vetch



Medium Red Clover



White Clover

Beeline  
Pollinator Mix

Field Peas/Oats Mix



Field Peas/Oats/Vetch Mix



Hemp Field Mix

## 8030 Winter Rye

OP • Sow in late summer • Prevents erosion • Perennial

**Popular fall cover crop that does not winter-kill.** Growth continues much later into the fall than other cover crops, with early spring growth that protects soil from erosion. Vigorous, deep roots add lots of organic matter. Often grown with vetch (mix also available). Correct timing of spring turn-in is important to successfully kill rye. *Secale cereale*. Seeding rate: 100 lbs/acre, 3-4 lbs/1,000 sq ft.

### LEGUME

## 8112 Crimson Clover

OP • Sow in spring or fall • Nitrogen fixer • Reseeding annual

**Beautiful, versatile cover with large red flowers.** Can be used as a nitrogen source, for soil building, erosion prevention, ground cover, forage and to attract beneficial insects. Thrives and displays rapid growth in cool, moist conditions. Has an ability to tolerate shade, making it useful for undersowing. *Trifolium incarnatum*. Seeding rate: 20 lbs/acre, 1/2 lb/1,000 sq ft.

## 8070 Field Peas

OP • Sow early spring to summer • Nitrogen fixer • Annual

**Good nitrogen fixer, green manure and weed suppressant.** Tops can be harvested for edible shoots. Adds 170 lbs/acre of nitrogen to the soil. Final sowing for winter cover should be about 6-8 weeks before first fall frost. Peas prefer cool, moist conditions and will survive frost but winter-kill at 15°F. *Pisum sativum* subsp. *arvense*. Seeding rate: 200 lbs/acre, 6-8 lbs/1,000 sq ft.

## 8060 Hairy Vetch

OP • Sow in fall • Nitrogen fixer • Perennial

**Vigorous crop praised for its winter hardiness and N-fixation.** Vetch can add 3,000-4,000 lbs of organic matter per acre. Best sown in fall, it tolerates acidic and low-fertility soils but requires good drainage. Pair with winter rye for overwintering cover; will regrow vigorously in the spring (mix also available). *Vicia villosa*. Seeding rate: 30-40 lbs/acre, 1 lb/1,000 sq ft.

## 8080 Medium Red Clover

OP • Sow spring to fall • Nitrogen fixer • Perennial

**Beautiful crop for N-fixation, hay, pasture and green manure.** Fixes 100 lbs of nitrogen per acre and mines nutrients from deep in the soil. Smaller than Mammoth red clover; regrows vigorously after mowing or grazing. Incorporate after the second growth season. Perennial if not plowed under. *Trifolium pratense*. Seeding rate: 20 lbs/acre, 1/2 lb/1,000 sq ft.

## 8113 White Clover

OP • Sow spring to late summer • Nitrogen fixer • Perennial

**Low-growing N-fixer excellent for undersowing in existing cropped areas.** Somewhat slow to establish, once underway white clover will fill in rapidly. A perennial that can survive mowing or trampling. Combine with annual ryegrass to sow drive-rows, pathways or high traffic areas to minimize soil compaction and improve soil health. *Trifolium repens*. Seeding rate: 5-9 lbs/acre drilled, 7-14 lbs/acre broadcast.

### MIXES

## 7045 Beeline Pollinator Mix

See Flowers, page 114.

## 8100 Field Peas/Oats Mix

OP • Sow spring to late summer • Mulching cover • Annual

**A versatile grass/legume combo for all-season use.** Provides nitrogen fixation, deep root penetration, winter cover and more. Sow no later than 6-8 weeks before first fall frost for use as a winter cover that winter-kills at about 15°F, leaving behind a great mulch. 70% peas/30% oats by weight. Seeding rate: 180 lbs/acre, 5-6 lbs/1,000 sq ft.

## 8110 Field Peas/Oats/Vetch Mix

OP • Sow in spring • Adds organic matter

**Ideal for soil lacking organic matter.** Adds up to 8,000 lbs/acre of organic matter to your soil in a vigorous mix that will outcompete weeds. Sturdy oats support nitrogen-fixing pea and vetch vines. Plant in early spring and mow or disc in the fall. 70% peas/15% oats/15% vetch by weight. Seeding rate: 210 lbs/acre, 6-8 lbs/1,000 sq ft.

## 8116 Hemp Field Mix

OP • Sow at time of planting of hemp crop or immediately after

**A three-way blend groundcover for under-sowing into hemp crops.** Annual Rye, Medium Red Clover and White Clover are blended to create a dense groundcover that can be mowed or trimmed throughout the growing season. Decreasing weeds and improving soil health, this mix is perfect for season-long performance. Clovers will overwinter to provide spring erosion control and fix nitrogen for next year's crop. Sow at 20 lbs/acre at time of hemp planting or immediately after. Seeding rate: 20 lbs/acre.

## 8090 Winter Rye/Hairy Vetch Mix

OP • Sow fall, mow spring • Adds nitrogen and organic matter

**A combination of grass and legume cover crops.** The vetch fixes nitrogen; rye adds organic matter and protects the less hardy vetch from winter damage. Regrows vigorously in spring. Sow late summer into fall; mow and turn in after vetch flowers in the spring. 75% rye/25% vetch by weight. Seeding rate: 90 lbs/acre, 3-4 lbs/1,000 sq ft.

**COVER CROP SEED - SOLD BY SEED WEIGHT**

	1 lb	5 lb	20 lb*	40 lb*
8085 Annual Ryegrass	\$ 11.65	\$ 6.18/lb	\$ 4.09/lb	\$ 3.46/lb
8111 BMR Sorghum-Sudangrass Fl	\$ 10.60	\$ 5.30/lb	\$ 3.90/lb	\$ 3.56/lb
8010 Common Buckwheat		\$ 3.39/lb	\$ 2.50/lb	\$ 2.22/lb
8112 Crimson Clover	\$ 14.05	\$ 10.60/lb	\$ 8.65/lb	\$ 7.59/lb
8100 Field Peas/Oats Mix		\$ 2.90/lb	\$ 1.90/lb	\$ 1.75/lb
8110 Field Peas/Oats/Vetch Mix		\$ 4.00/lb	\$ 2.75/lb	\$ 2.38/lb
8070 Field Peas		\$ 4.03/lb	\$ 3.48/lb	\$ 3.14/lb
8060 Hairy Vetch	\$ 10.25	\$ 7.57/lb	\$ 4.54/lb	\$ 4.30/lb
8116 Hemp Field Mix		\$ 12.72/lb	\$ 8.06/lb	
8080 Medium Red Clover	\$ 11.00	\$ 8.40/lb	\$ 5.75/lb	\$ 4.88/lb
8020 Oats		\$ 2.12/lb	\$ 1.53/lb	\$ 1.27/lb
8115 Phacelia	\$ 20.00	\$ 15.00/lb	\$ 11.75/lb	\$ 8.75/lb
8000 Tilling Radish	\$ 16.00	\$ 10.60/lb	\$ 9.50/lb	\$ 7.00/lb
8113 White Clover	\$ 26.50	\$ 20.14/lb	\$ 18.45/lb	\$ 14.80/lb
8090 Winter Rye/Vetch Mix		\$ 3.60/lb	\$ 3.13/lb	\$ 1.99/lb
8030 Winter Rye		\$ 2.33/lb	\$ 0.87/lb	\$ 0.76/lb

Larger volumes available; please call for pricing. \*Please see shipping charges on page 62 for individual items weighing 20 lbs or more.



Commercial grower sales representatives Michelle, Daniel, Aaron, Ada, Paul and Sara sport our HMOS apparel.

**MERCHANDISE**

**94303 Organic Cotton Cap**

Our cotton caps are 100% certified organic cotton twill and feature our logo embroidered on the front and a self fabric adjustable closure with a brass slider and hidden tuck-in. Available in charcoal grey. **\$16.45**



Organic Cotton Cap

**94302 Blue Eco-Trucker Hat**

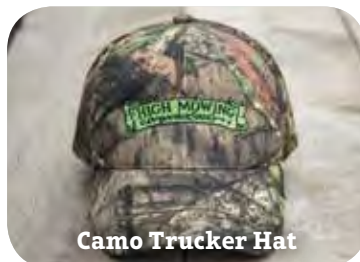
Our navy blue trucker-style hats are made with 70% sturdy organic cotton and 30% recycled polyester. The hats feature our logo embroidered on the front and an adjustable, breathable cream mesh back that will keep you cool and comfortable all summer long! **\$16.45**



Blue Eco-Trucker Hat

**94304 Camo Trucker Hat**

Our camo trucker-style hat features our logo embroidered on the front and an adjustable, breathable camo mesh back. **\$16.45**



Camo Trucker Hat

**94330 HMOS Tote Bag**

100% certified organic cotton canvas tote bag with High Mowing logo. Dimensions: 38cm x 40cm x 13cm. Weight: 10 oz. **\$15.00**



HMOS Tote Bag

**94320 Organic Cotton T-Shirt**

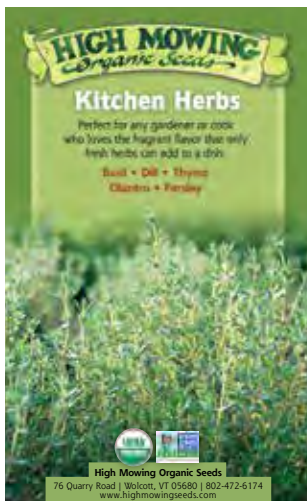
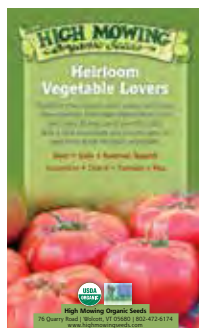
100% certified organic, ultra-soft lightweight cotton, made in the USA and printed with water-based inks in a unique environmentally sound process that is sturdier, more comfortable and more attractive than traditional plastic-based inks. Our Men's tees are standard fit and come in ocean blue. Women's tees are longer, moderately fitted with a slight scoopneck, and are available in amethyst. Please note that the Women's tees run small; we recommend ordering up a size if you prefer a more relaxed fit. **\$21.20**



Organic Cotton T-Shirt

**INDICATE FIT:** Men's/Women's (runs small) **AND SIZE:** S, M, L, or XL

# Gift Boxes



## GIFT BOX COLLECTIONS

### HC-CG **Container Garden** 7 packets

These varieties do well in containers and will add color and flavor to a sunny porch, patio, window box or rooftop. **\$21.50**

**INCLUDES:** Basil • Kale • Cherry Tomato • Cilantro • Pea • Pepper • Salad Mix

### HC-GS **Garden Starter** 7 packets

Looking for a simple way to start your garden? These varieties can be directly seeded into your garden or pots and are easy to grow and rewarding to harvest. **\$21.50**

**INCLUDES:** Bean • Beet • Salad Mix • Cucumber • Radish • Carrot • Basil

### HC-HVL **Heirloom Vegetable Lovers** 7 packets

This collection features vegetable varieties that have been passed down by seed savers over the years, prized for their unique color, shape and flavor. **\$21.50**

**INCLUDES:** Cucumber • Beet • Chard • Tomato • Summer Squash • Kale • Pea

### HC-KG **Kid's Garden** 5 packets

Super-fun, easy-to-grow varieties that will enchant children of all ages. **\$15.25**

**INCLUDES:** Sunflower • Pumpkin • Carrot • Pole Bean • Nasturtium Flowers

### HC-BG **A Bee's Garden** 5 packets

The flowers of these plants attract beneficial insects to your garden, helping with pollination and ecosystem diversity. **\$15.25**

**INCLUDES:** Dill • Sage • Fennel • Cosmos Flowers • Calendula Flowers

### HC-KH **Kitchen Herbs** 5 packets

Perfect for any gardener or cook who loves the fragrant flavor that fresh herbs add to a dish. **\$15.25**

**INCLUDES:** Dill • Parsley • Basil • Cilantro • Thyme

### HC-SS **Summer of Sunflowers** 3 packets

Pick a sunny spot, plant your sunflower seeds, and enjoy the diversity of height, colors and bloom time. **\$9.25**

**INCLUDES:** Three packets of sunflowers offering a kaleidoscope of orange, red and gold.

### HC-SG **Easy Salad Greens** 3 packets

These easy salad greens grow anywhere—perfect for containers or a small garden. **\$9.25**

**INCLUDES:** Spinach • Arugula • Lettuce Blend



# Celine Bush Bean

**The brightest, most brilliant purple wax bean you've seen.** Plants are absolutely covered in tasty, juicy beans with out-of-this-world magenta color. Tender when eaten raw.

- **Highly vigorous plants**
- **Bright and striking purple color**
- **Tender and flavorful**





# Planting Chart



Cut out this page & bring it with you.

\*Spacing requirements may vary. Due to the wide variety of tools and techniques available to both gardeners and commercial growers, this chart should only be used as a guide.

CROP TYPE	Seeds/Unit, M=1,000	Plant Spacing for direct sowing or transplanting	Seed Planting Depth	Row Spacing	Direct Sow or Transplant	Soil Temp (°F) for germination	Start Transplants (before setting out)	When to Plant Out
<b>Artichokes</b>	625/oz	12-24"	1/4"	5'	TP	60-80°	10-12 weeks	After last frost
<b>Beans, Bush, Dry</b>	75-220/oz	8 seeds/foot	1"	18-30"	DS	60-80°	n/a	After last frost
<b>Beans, Bush, Snap</b>	75-220/oz	8 seeds/foot	1"	18-30"	DS	60-80°	n/a	After last frost
<b>Beans, Pole</b>	75-220/oz	8 seeds/foot	1"	5'	DS	60-80°	n/a	After last frost
<b>Beans, Soy</b>	75-220/oz	8 seeds/foot	1"	18-30"	DS	70-90°	n/a	After last frost
<b>Beets</b>	1.5-2.5M/oz	15 seeds/foot	1/2"	12-18"	DS or TP	60-85°	n/a	As soon as soil can be worked
<b>Broccoli</b>	5.6-9.4M/oz	10-16"	1/4-1/2"	18"	DS or TP	65-85°	4-6 weeks	After last hard frost
<b>Broccoli, Sprouting</b>	4-9M/oz	3 seeds every 12"	1/2"	18"	DS	50-65°	n/a	After last frost or in late summer
<b>Brussels Sprouts</b>	7M/oz	18-24"	1/4-1/2"	30"	DS or TP	65-75°	4-6 weeks	As soon as soil can be worked
<b>Cabbage, Chinese/Napa</b>	5-9M/oz	10-16"	1/2"	18"	DS or TP	70-95°	3-5 weeks	When nights are at least 50°F
<b>Cabbage, Fresh Market</b>	5-9M/oz	10-18"	1/2"	12-18"	DS or TP	55-95°	4-6 weeks	After last hard frost
<b>Cabbage, Storage</b>	5-9M/oz	18-24"	1/2"	18-30"	DS or TP	55-95°	4-6 weeks	10 weeks before first frost
<b>Carrots</b>	11-37M/oz	15- 40 seeds/foot	1/4-1/2"	12-18"	DS	60-85°	n/a	As soon as soil can be worked
<b>Cauliflower</b>	5-10M/oz	12-18"	1/4-1/2"	18"	DS or TP	55-80°	4-6 weeks	After last hard frost
<b>Celery/Celeriac</b>	50-70M/oz	6-10"	1/8"	18-24"	TP	60-70°	10-12 weeks	After last frost
<b>Chard, Bunching</b>	1.2-2.5M/oz	8-12"	1/2"	18-24"	DS or TP	65-85°	4-6 weeks	After last hard frost
<b>Chard, Baby</b>	1.2-2.5M/oz	40 seeds/foot	1/2"	2-6"	DS	65-85°	n/a	After last hard frost
<b>Collards</b>	6-9M/oz	8-12"	1/4-1/2"	18-30"	DS or TP	70-95°	4 weeks	As soon as soil can be worked
<b>Corn</b>	100-200/oz	2 seeds every 12"	1-2"	30-36"	DS or TP	60-95°	7-10 days	When soil is at least 55°F
<b>Cucumber, Greenhouse</b>	1-1.3M/oz	20"	1/2"	5-6'	TP	75-90°	3-4 weeks	Trellis in greenhouse when at least 55°F
<b>Cucumber, Pickling</b>	1-1.3M/oz	8-12"	1/2"	3-6'	DS or TP	75-90°	3-4 weeks	One week after last frost
<b>Cucumber, Slicing</b>	1-1.3M/oz	12-24"	1/2"	5-6'	DS or TP	75-90°	3-4 weeks	One week after last frost
<b>Eggplant</b>	5.5-7.5M/oz	12-18"	1/4"	24-36"	TP	75-90°	8-12 weeks	When nights are at least 50°F
<b>Fennel</b>	5-7M/oz	6-8"	1/4-1/2"	18"	DS or TP	60-65°	4-5 weeks	After last hard frost
<b>Garlic, Softneck</b>	50 cloves/lb	6"	2" with mulch, 3-4" without	18"	DS	55-85°	n/a	After first frost and before ground freezes
<b>Garlic, Hardneck</b>	40 cloves/lb	6"	2" with mulch, 3-4" without	18"	DS	55-85°	n/a	After first frost and before ground freezes
<b>Greens, Baby Leaf/Salad</b>	16-24M/oz	60 seeds/foot in 2-4" bands	1/8"	3-4" between bands	DS	55-85°	n/a	As soon as soil can be worked
<b>Greens, Arugula, Full Size</b>	15M/oz	60 seeds/foot in 2-4" bands	1/4"	3-4" between bands	DS	65-85°	n/a	As soon as soil can be worked
<b>Greens, Asian, Baby</b>	12M/oz	60 seeds/foot in 2-4" bands	1/4"	3-4" between bands	DS	70-95°	n/a	As soon as soil can be worked
<b>Greens, Beet</b>	1.5M/oz	40 seeds/foot in 2-4" bands	1/2"	2-4" between bands	DS	60-85°	n/a	As soon as soil can be worked
<b>Greens, Cress, Upland</b>	19M/oz	12 seeds/foot	1/4"	12-18"	DS	65-85°	n/a	After last frost
<b>Greens, Endive, Belgian</b>	13M/oz	6 seeds/foot	1/8"	18-24"	DS	65-85°	n/a	As soon as soil can be worked
<b>Greens, Endive, Baby</b>	17-20M/oz	30 seeds/foot in 2-4" bands	1/8"	3-4" between bands	DS or TP	60-85°	6-8 weeks	As soon as soil can be worked
<b>Greens, Escarole, Full Size</b>	12-16M/oz	15 seeds/foot in rows 6-12" apart	1/8"	12-18"	DS or TP	60-85°	6-8 weeks	As soon as soil can be worked
<b>Greens, Mustard</b>	14-18M/oz	60 seeds/foot in 2-4" bands	1/4"	3-4" between bands	DS	65-85°	n/a	As soon as soil can be worked

CROP TYPE	Seeds/Unit, M=1,000	Plant Spacing for direct sowing or transplanting	Seed Planting Depth	Row Spacing	Direct Sow or Transplant	Soil Temp (°F) for germination	Start Transplants (before setting out)	When to Plant Out
<b>Greens, Purslane</b>	65M/oz	30 seeds/foot in 2-4" bands	1/4"	12-18"	DS	68-74°	n/a	After last frost
<b>Greens, Radicchio</b>	14M/oz	8-12"	1/4"	12-18"	DS or TP	68-85°	4-6 weeks	After last frost
<b>Greens, Radish</b>	1-2M/oz	20 seeds/foot in 2-4" bands	1/4"	2-3" between bands	DS	55-85°	n/a	As soon as soil can be worked
<b>Herbs, Basil</b>	13-40M/oz	4-8"	1/4"	12-24"	DS or TP	70-90°	4-6 weeks	After last frost
<b>Herbs, Chives</b>	6-26M/oz	4-8" annual, 12-18" perennial	1/4-1/2"	12-18"	DS or TP	60-70°	10-12 weeks	After last hard frost
<b>Herbs, Cilantro</b>	12-20M/oz	50 seeds/foot, 6-12" between transplants	1/4"	12-18"	DS or TP	50-80°	6-8 weeks	After last hard frost
<b>Herbs, Dill</b>	15M/oz	40 seeds/foot	1/4"	12-18"	DS or TP	50-80°	n/a	After last hard frost
<b>Herbs, Parsley</b>	2M/oz	40 seeds/foot	1/4"	12-18"	DS or TP	50-80°	4-6 weeks	After last hard frost
<b>Kale, Full Size</b>	6-9M/oz	10-18"	1/4-1/2"	16-30"	DS or TP	70-95°	4 weeks	After last hard frost
<b>Kale, Baby</b>	6-9M/oz	60 seeds/foot in 2-4" bands	1/4-1/2"	2-6" between bands	DS	70-95°	n/a	As soon as soil can be worked
<b>Kohlrabi</b>	5-9M/oz	4-10"	1/4-1/2"	12-18"	DS or TP	65-85°	4-6 weeks	As soon as soil can be worked
<b>Leeks</b>	9.5-11M/oz	6"	1/4"	18-24"	DS or TP	60-80°	10-12 weeks	As soon as soil can be worked
<b>Lettuce, Baby Leaf</b>	20-30M/oz	60 seeds/foot in 2" bands	1/8"	3-4" between bands	DS	40-80°	n/a	After last hard frost
<b>Lettuce, Full Size</b>	20-30M/oz	8-12"	1/8"	12-18"	DS or TP	40-80°	3-4 weeks	After last hard frost
<b>Lettuce, Eazyleaf</b>	20-30M/oz	4-6"	1/8"	4-6"	TP	40-80°	3-4 weeks	After last hard frost
<b>Melons</b>	1-1.25M/oz	12-18"	1/2"	6'	DS or TP	75-95°	4 weeks	After last frost
<b>Okra</b>	400-500/oz	12-18"	1"	3'	DS or TP	75-95°	6 weeks	After last frost
<b>Onions/Shallots</b>	6-8M/oz	10 seeds/foot	1/8-1/4"	18-30"	DS or TP	50-95°	8-12 weeks	After last hard frost
<b>Onions, Bunching</b>	6-8M/oz	50 seeds/foot in 2-3" bands	1/4-1/2"	12-18"	DS or TP	50-95°	n/a	As soon as soil can be worked
<b>Parsnips</b>	6-7M/oz	20 seeds/foot in 2" bands 2-3"	1/2"	18-24"	DS	50-65°	n/a	After last frost
<b>Peas</b>	90-170/oz	24-30 seeds/foot	1-2"	2-6'	DS	50-75°	n/a	As soon as soil can be worked
<b>Peppers</b>	2.8-4.9M/oz	12-18"	1/4"	18-36"	TP	68-95°	6-8 weeks	After last frost
<b>Potatoes, New/Fingerling</b>	14 pieces/lb	10-12"	1-3"	36"	DS	50-75°	n/a	1-2 weeks before last frost
<b>Potatoes, Full Size</b>	8-10 pieces/lb	10-12"	1-3"	36"	DS	50-75°	n/a	1-2 weeks before last frost
<b>Pumpkins, Bush/Semi-Bush</b>	155-400/oz	18"	1/2-1"	6'	DS or TP	70-90°	3-4 weeks	After last frost
<b>Pumpkins, Vining</b>	155-400/oz	24-36"	1/2-1"	6'	DS or TP	70-90°	3-4 weeks	After last frost
<b>Radishes, Winter</b>	1.8-3.6M/oz	4 seeds/foot	1/4-1/2"	12-16"	DS	55-85°	n/a	As soon as soil can be worked
<b>Radishes, Garden</b>	1.8-3.6M/oz	20 seeds/foot	1/4-1/2"	8-12"	DS	55-85°	n/a	As soon as soil can be worked
<b>Rutabaga</b>	11M/oz	6 seeds/foot	3/4"	18-24"	DS	60-95°	n/a	Spring /early summer
<b>Spinach, Baby Leaf</b>	1.5-3.7M/oz	40 seeds/foot in 2-4" bands	1/8-1/4"	1-2" between bands	DS	45-65°	n/a	As soon as soil can be worked until early fall
<b>Spinach, Full Size</b>	1.5-3.7M/oz	10 seeds/foot	1/8-1/4"	12-18"	DS or TP	45-65°	n/a	As soon as soil can be worked until early fall
<b>Squash, Summer</b>	220-375/oz	12-24"	1/2-1"	5-6'	DS or TP	70-90°	3-4 weeks	After last frost
<b>Squash, Winter, Bush</b>	105-470/oz	18-24"	1/2-1"	6'	DS or TP	70-90°	3-4 weeks	After last frost
<b>Squash, Winter, Vining</b>	105-470/oz	24-36"	1/2-1"	6'	DS or TP	70-90°	3-4 weeks	After last frost
<b>Tomato, Determinate</b>	280-450/gm	12-18"	1/4"	4-6'	TP	60-85°	6-8 weeks	After last frost
<b>Tomato, Indeterminate</b>	280-450/gm	18-36"	1/4"	4-6'	TP	60-85°	6-8 weeks	After last frost
<b>Tomato, Greenhouse</b>	280-450/gm	16-24"	1/4"	6'	TP	60-85°	6-8 weeks	Trellis in greenhouse when at least 65°F
<b>Tomatillo</b>	18M/oz	18-36"	1/4"	4-6'	TP	60-85°	4-5 weeks	After last frost
<b>Turnips</b>	11M/oz	8 seeds/foot in 2-4" bands	3/4"	12-18"	DS	60-95°	n/a	As soon as soil can be worked
<b>Watermelon</b>	600-900/oz	12-18"	1/2"	6'	DS or TP	75-95°	4 weeks	After last frost
<b>Zucchini</b>	155-260/oz	12-24"	1/2-1"	5-6'	DS or TP	70-90°	3-4 weeks	After last frost

# Thank you!



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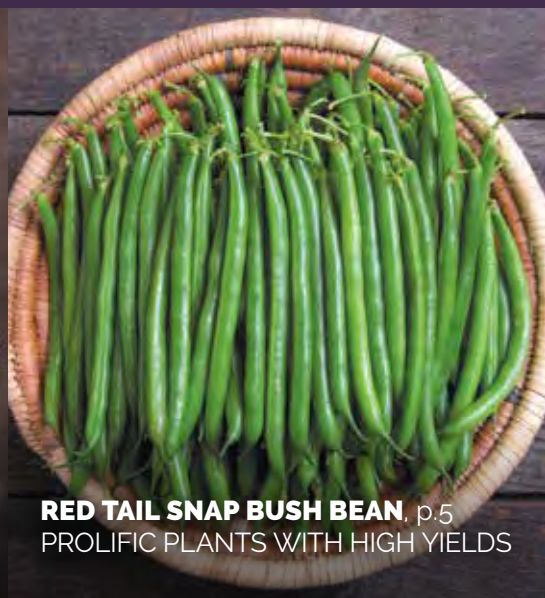
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