

# New Release from our Farm



Fort Umpqua

# NEW FORT UMPQUA TURNIP 🕙

(OP) 55-60 days. We believe it's plausible that this pioneer turnip has been reproducing itself for over 170 years! Since 2014, we have been multiplying the seed and comparing them with as many heirloom varieties as we could find from around the world. We cannot say for sure that these turnips are truly descendants from when Oregon was just a territory, but we are working to move from plausible to probable. As a limited release—we are very pleased and excited to return this one-of-a-kind turnip, with a one-of-a-kind story, back to those who love to garden!

A striking turnip that showcases a vibrant purple on top firm, white, 3-4 inch roots. Experience a delightful sweetness at first bite, followed by a warm spice that lingers just enough to make you want to come back for more. Their rich taste will elevate any meal-perfect for roasting, adding to soups, or enjoying fresh in salads!

TR982G FORT UMPQUA ORGANIC



# **Thornless** Blackberry



## NEW TRIPLE CROWN BLACKBERRY

Rubus Triple Crown' This self-pollinating, fast-growing thornless blackberry is one of the most popular varieties! Known for its vigor and high productivity, it produces large, glossy, firm black berries that ripen in early August, yielding around 13 pounds per plant. Easily propagated by encouraging the tips of canes to root into the soil, and it thrives with only about 300 chill hours. Reaches 5 to 6 feet tall and wide. Hardy in zones 5-9.

XF147C TRIPLE CROWN

Ships September

Blackberry plants are 1 year old and ship in September in 3 ½ inch pots. Order early for best availability. Detailed planting instructions are included with each order, and may be obtained on our website. Available only within the contiguous US.



## **NEW Herculean Harvest Liquid Bone Meal**

0-6-0 Increase the availability of phosphorus to your plants and soil and promote a range of benefits that boost plant health, structure, and flavor. The primary active ingredient, calcium phosphate, plays a key role in providing energy for plant development, supporting strong, sturdy stems through improved cell structure. Additionally, it helps flush excess salts from potting soil or soilless media, making it an excellent choice for soil flushing solutions. Mix 1-2 tablespoons per gallon of water.

1 quart will make 32-64 gallons of solution. 1 gallon will make 128-256 gallons of solution.

ZFE264/1Q ......1 quart.....\$12.95 ZFE264/1G\*......1 gallon ......\$39.95

\* A SHIPPING WEIGHT 11 POUNDS

# **New to our Truffle Tree Lineup**



Bianchetto Truffle

## **NEW HAZELNUT TRUFFLE TREE**

Corvlus avellana (Hazelnut) & Tuber borchii (Bianchetto truffle) We are excited to continue our efforts of keeping gourmet truffles in reach of home gardeners with this latest addition to our truffle tree lineup! Truffles live exclusively in the soil around the roots of a suitable host tree. In this case, we have the truffle mycorrhizae established on the roots of a common hazel (or European hazelnut) tree. Suitable for growing in zones 4-9, the truffles may take 3-5 years to successfully establish themselves, but the resulting annual winter harvests can last for decades.

The Bianchetto truffle is a highly prized Italian species. Its name indicates the whitish coloration in contrast to blackish truffles. Inside, the flesh is brown with white marbling, and the strong aroma is described as earthy, garlicy and cheesy. The hazelnut to golf ballsized truffles lend themselves to a vast array of recipes.

The hazelnut tree has similar nut production as the Willamette Valley Filbert and, if grown in the Willamette Valley, will be pollinated by Filberts. The trees are not self-pollinating and will require at least 2 trees for a nut crop. Note: Bianchetto truffles require a soil pH between 6.0-8.3. If your soil is more acidic, we recommend preparing your planting area with lime to adjust the pH well in advance of receiving your trees.

XF195C HAZELNUT TRUFFLE TREE

Ships December

Inoculated, 1 year old Truffle Tree seedlings ship in December. Order early for best availability. Detailed planting instructions are included with each order, and may be obtained on our website. Available only within the contiguous US.

# **Our Guarantee To You**

At Territorial our products are backed by our full guarantee. We want you, our customers, to be 100% satisfied with the seed, plants and supplies that you purchase from us. If anything you buy from Territorial proves to be unsatisfactory, we will either replace the item or refund the purchase price, whichever you prefer.

LIMITATION OF REMEDY: The liability of Territorial Seed Company for any loss or damage arising out of the pur-

chase or use of its seeds or other products including loss or damage resulting from negligence or strict liability in tort, shall be limited to replacement of the item or the return of the purchase price. As is customary in the seed trade, in no case shall Territorial be liable for more than the purchase price of the seed or product. Territorial has based the

prices of its seed and products on this limited warranty and liability, and these prices would be much higher if further liability coverage was required. By ordering such seeds and products, the purchaser acknowledges this limited warranty. Our seeds and products are guaranteed for an entire year from the date of purchase.

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# **Key to Symbols**



All-America Selections winner



Container-friendly variety



Heirloom variety



New to Territorial Seed



Organic availability



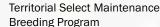
Pelleted availability



Seed Tape availability



Taste-test favorites



(A) Annual

Biennial (B)

(P) Perennial

Tender Perennial (TP)

(F1)Hybrid variety

(OP) Open-pollinated variety

Full Sun

Partial Shade

Full Shade

Great for Cutting & Crafting



Tea

Has Extra Shipping Weight

## Safe Seed Pledge

As charter signers, we pledge that we do not knowingly buy or sell genetically engineered seeds or plants. We



wish to support agricultural progress that leads to healthier soils, genetically diverse agricultural ecosystems, and ultimately people and communities. All of our seed is untreated.

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Cover Artwork by Bekah Zeimetz bekahzeimetz.com

🔯 @bekahzeimetzart

# **Fall & Winter Gardening Basics**

There are several ways to approach fall and winter gardening, and certain vegetables will perform better when planted and harvested within the appropriate time frame. If possible, plant certain crops to harvest in fall, winter, and spring to guarantee yourself a continuous supply of produce throughout the cold months. Consult our Winter Gardening Chart (page 5) and individual crop culture information to determine which crops will work best for your needs.

## **Planning for Fall and Winter**

- For fall harvest: schedule your plantings so that tender crops mature by your first frost date
- Other cool-season vegetables can last into winter but should generally be harvested and stored inside or in a root cellar before temperatures reach freezing point
- For winter harvest: in areas with milder winters, crops can be grown to maturity before growth is effectively halted by decreasing day length and cold temperatures
- For spring/overwintering harvest: time your crops so that they are established but not mature at the onset of winter; successfully overwintered crops will produce early in spring
- Crops that overwinter well include leafy greens, some root vegetables, peas, onions, garlic, and sprouting crops like broccoli



## **Site Selection & Soil Preparation**

- Choose a site that has the greatest amount of sun exposure; areas that are sunny in the summer are often not throughout the winter
- Soil should be well drained to handle winter precipitation—raised beds are best for this

 Overwintering crops should be spaced wider than spring or fall planted crops; this increases air flow, discourages pests, and allows the soil to dry out

## Light

• Growth slows throughout the fall and nearly stops when day length is less than 10 hours; for those crops that you want to harvest throughout the winter, plan to have them near or at maturity by this time

## **Timing**

- The challenge to successfully growing winter crops is getting them established in the right time frame, often in summer when the weather is hot and dry—starting seedlings indoors, as well as using shade cloth and overhead watering will help keep seedlings cool during establishment
- Delaying planting a few days in the summer can translate to delayed fall or winter harvest by weeks
- For the most part, days to maturity (DTM) listed in this catalog are for spring planting; to adjust DTM for fall/winter harvest, take stated DTM and add 2–3 weeks to account for slower growth due to shortening days
- Direct-seeded crops should be watered lightly and frequently to encourage even germination and to prevent the soil from crusting
- Please keep in mind that planting and harvest dates are for the Maritime Northwest; check local resources for adjusted planting times for your area

## Fertility

- Because nutrient uptake slows during the winter, avoid fertilizing too heavily in the fall
- Foliar feeds are a good way to feed plants in the fall



## Fall Harvest

- Tender crops can be fall harvested up until the cold weather kills them off
- When making successive sowings of fall crops, start seeds at a shorter interval to account for slower growth

## Winter to Spring Harvest

- Only plant winter-hardy or overwintering varieties for winter or spring harvest
- Sprouting vegetables such as broccoli, cabbage, and cauliflower may be overwintered at an immature stage and will produce the next spring • Overwintered greens such as kale and collards will produce delicious flower stalks in the spring
- Most root vegetables can overwinter in the ground; plan on harvesting them all by spring, as they will bolt when the weather warms up and the days get longer



## **Season Extension Methods**

- Using season extension techniques can prolong harvest of tender crops into the winter, overwinter otherwise not hardy crops, and allow for earlier planting in the spring
- When used properly in combination, season extension can add up to a month on either end of the growing season
- Raised beds elevate plants above the ground, warming the soil and improving access to light
- Reemay and frost blankets cover plants, trapping in solar warmth, and protecting against frost damage; see product listings (page 52) for their insulation capabilities
- Low tunnels are waist-high frames fashioned from PVC or electrical conduit, and covered with Reemay or greenhouse plastic that cover a row or two
- Cloches are small bell-shaped vessels that create a mini-greenhouse around individual plants
- Cold frames are small boxes that create a greenhouse around small plots, usually using glass or clear plastic panes

# Learn, share and grow with us on social media!



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SEED COMPANY



| Vegetable                         |     | Sow  | ing D | ate F | Range |      | Harvest       | Max<br>Storage | Storage |          | Freeze Out          |
|-----------------------------------|-----|------|-------|-------|-------|------|---------------|----------------|---------|----------|---------------------|
|                                   | May | June | July  | Aug.  | Sept. | Oct. |               | Time           | Temp    | Humidity | Temp                |
| Arugula                           |     |      | 1     |       |       |      | Winter-Spring | 1 week         | 34-40°F | 90-95%   | 5-10°F              |
| Beets                             |     |      |       |       |       |      | All Winter    | 4-5 mo         | 34-40°F | 90-95%   | 15-20°F             |
| Beans, Fava                       |     |      |       |       |       |      | Spring-Summer | 2 wks          | 34-40°F | Dry      | 10-20°F             |
| Broccoli - Autumn Harvest         |     |      |       |       |       |      | Autumn        | 2 wks          | 34-40°F | 90-100%  | Before Severe Frost |
| Broccoli - Sprouting              |     |      |       |       |       |      | Spring        | 2 wks          | 34-40°F | 90-100%  | 15-20°F             |
| Brussels Sprouts - Autumn Harvest |     |      |       |       |       |      | Autumn        | 3-5 wks        | 34-40°F | 90-100%  | After Severe Frost  |
| Brussels Sprouts - Winter Harvest |     |      |       |       |       |      | Winter        | 3-5 wks        | 34-40°F | 90-100%  | After Severe Frost  |
| Cabbage - Late Summer Harvest     |     |      |       |       |       |      | Late Summer   | 3-6 wks        | 34-40°F | 90-100%  | Before Heavy Freeze |
| Cabbage - Autumn/Winter Harvest   |     |      |       |       |       |      | Autumn-Winter | 5-6 mo         | 34-40°F | 90-100%  | Before Heavy Freeze |
| Cabbage - Winter Harvest          |     |      |       |       |       |      | Winter        | 5-6 mo         | 34-40°F | 90-100%  | Before Heavy Freeze |
| Carrots                           |     |      |       |       |       |      | Winter-Spring | 4-5 mo         | 34-40°F | 90-95%   | 5°F                 |
| Cauliflower - Summer Harvest      |     |      |       |       |       |      | Late Summer   | 3-4 wks        | 34-40°F | 90-95%   | 10-15°F             |
| Cauliflower - Autumn Harvest      |     |      |       |       |       |      | Autumn        | 3-4 wks        | 34-40°F | 90-95%   | 10-15°F             |
| Cauliflower - Spring Harvest      |     |      |       |       |       |      | Spring        | 3-4 wks        | 34-40°F | 90-95%   | 10-15°F             |
| Chinese Cabbage                   |     |      |       |       |       |      | Late Fall     | 2-3 wks        | 34-40°F | 90-95%   | 20°F                |
| Collards                          |     |      |       |       |       |      | Winter-Spring | 1 week         | 34-40°F | 90-95%   | 5-10°F              |
| Corn Salad                        |     |      |       |       |       |      | Spring        | 1 week         | 35-40°F | 90-95%   | 5°F                 |
| Endive                            |     |      |       |       |       |      | Winter        | 2 wks          | 34-40°F | 90-95%   | Before Heavy Freeze |
| Fennel                            |     |      |       |       | i     |      | Autumn-Spring | 2-3 wks        | 33-40°F | 90-95%   | Before Heavy Freeze |
| Garlic & Shallot Bulbs            |     |      |       |       |       |      | Summer        | 5-8 mo         | 34-50°F | 60-70%   | 15°F                |
| Kale                              |     |      |       |       |       |      | Winter-Spring | 2-3 wks        | 34-40°F | 90-95%   | 5-10°F              |
| Kohlrabi                          |     |      |       |       |       |      | Winter-Spring | 2-3 wks        | 34-40°F | 90-95%   | 5°F                 |
| Leeks - Autumn Harvest            | -   |      |       |       |       |      | Fall-Winter   | 8 wks          | 34-40°F | 90-95%   | 5°F                 |
| Leeks - Winter Harvest            |     |      |       |       |       |      | Winter-Spring | 8 wks          | 34-40°F | 90-95%   | 5°F                 |
| Lettuce                           |     |      |       |       |       | /    | Fall-Winter   | 2 wks          | 34-40°F | 90-95%   | 5-10°F              |
| Mustard Greens                    |     |      |       |       |       |      | Winter        | 2 wks          | 34-40°F | 90-95%   | 5°F                 |
| Onion - Bunching                  |     |      |       |       |       |      | Winter-Spring | 3 wks          | 34-40°F | 90-95%   | 5-10°F              |
| Onion - Overwintering & Shallots  |     |      |       |       |       |      | Spring-Summer | 4-8 mo         | 55-65°F | 60-70%   | 5-10°F              |
| Parsnips                          |     |      |       |       |       |      | Winter        | 4-6 mo         | 34-40°F | 90-95%   | 5°F                 |
| Peas - Autumn                     |     |      |       |       |       |      | Fall          | 2 wks          | 33-40°F | 90-95%   | 15°F                |
| Peas - Overwintering              |     |      |       |       |       |      | Spring        | 2 wks          | 33-40°F | 90-95%   | 15°F                |
| Radicchio                         |     |      |       |       |       |      | Fall-Winter   | 3-4 wks        | 33-40°F | 90-95%   | 15-20°F             |
| Radishes                          |     |      |       |       |       |      | Winter-Spring | 2-4 mo         | 33-40°F | 90-100%  | 15-20°F             |
| Rutabagas                         |     |      |       |       |       |      | Winter-Spring | 4-6 mo         | 33-40°F | 90-95%   | 20°F                |
| Spinach                           |     |      |       |       |       |      | Fall-Winter   | 1-2 wks        | 33-40°F | 90-95%   | 5-10°F              |
| Swiss Chard                       |     |      |       |       |       |      | Fall-Winter   | 1-2 wks        | 33-40°F | 90-95%   | 5°F                 |
| Turnips                           |     |      |       |       |       |      | Winter-Spring | 4-5 mo         | 34-40°F | 90-95%   | 20°F                |
|                                   |     |      |       |       |       |      |               | L              |         | L        |                     |

Sow seeds during this time period. See cultural information in the catalog.

Transplant: These seedlings benefit from transplanting. Move at six weeks to a permanent well-limed location.



Covering or cloching these varieties will lengthen the harvest period.



Aprovecho



Broad Windsor



Sweet Lorane



Touchstone Gold



Avalanche



When sown in the fall and overwintered, fava beans mature in mid to late May.

## **APROVECHO**

(OP) 110 days; spring sown. Bursting with flavor, this Oregon-bred fava is sweet and succulent at the young, snap stage, and hearty, rich and satisfying when rehydrated from the shelling stage. Enormous pods typically reach about 9 inches at our trial grounds. Plants grow 3-4 feet tall and need to be supported. Breeding work by lanto Evans of Aprovecho Research Center. Buff colored seeds; 22 per ounce.

## BN078G APROVECHO ORGANIC

**OG** \$4.95 2 oz

## **BROAD WINDSOR**

(OP) 80 days; spring sown. Broad Windsor is one of the tastiest of all dried beans and one of the largest! When eaten at the shelling stage, you'll discover why their mild flavor makes them perfect partners with many spices and herbs. The sturdy bushes stand 4 feet tall, produce 4-5 inch pods, and are reliably hardy to 12°F. Buff colored seeds; 15 per ounce.

## **BN049C BROAD WINDSOR**

| 1 oz           | 2 oz              | ½ lb          | 2 ½ lbs        |
|----------------|-------------------|---------------|----------------|
| <b>\$3.3</b>   | <b>5 \$4.45</b>   | <b>\$7.95</b> | <b>\$23.00</b> |
| 5 lbs          | 25 lbs            | 50 lbs        | 5              |
| <b>\$36.</b> : | <b>15 \$124.0</b> | 5 \$216.25    |                |

## SWEET LORANE

(OP) 230 days; fall sown. Selected by Territorial in the mid 1980s from among hundreds in a USDA small-seeded fava bean collection, Sweet Lorane was chosen especially for its hearty taste and cold tolerance. Typically grows to 30 inches. Allow plants to mature; once the pods begin to dry and crack, the beans are ready to harvest. Light brown/green-colored seeds; 45 per ounce.

## **BN051G SWEET LORANE ORGANIC**

| 9 | C  | 1 oz<br><b>\$4.55</b> | 2 oz   | ½ lb    |
|---|----|-----------------------|--------|---------|
| U | G. | \$4.55                | \$6.45 | \$15.95 |

## **Beets**

## **TOUCHSTONE GOLD**

(OP) 53 days. Touchstone Gold is outstanding and uniformly round, with smooth, orange skin and a dazzling vivid golden interior. The deep green, blond-veined tops are equally appealing and perfectly matched to the beet's smooth, exquisitely sweet flesh. It performed noticeably better than other golden beets in our trials.

## **BT142C TOUCHSTONE GOLD**

| 5 grams | 14 grams | 1 oz    |
|---------|----------|---------|
| \$5.25  | \$10.95  | \$19.85 |

## **FAVA BEANS**

| Soil Temp.<br>for Germ. | 45-65°F            | Days to<br>Emergence | 8-15      |
|-------------------------|--------------------|----------------------|-----------|
| Seed<br>Depth           | 1-2"               | Thin<br>Plants To    | N/A       |
| Seed<br>Spacing         | 3-6"               | Row<br>Spacing       | 12-30"    |
| Min.<br>Germ.           | 80%                | Seed<br>Life         | 2-3 years |
| Seeds per<br>ounce      | Listed per variety | Fertilizer<br>Needs  | Low       |

Days to maturity are calculated from date of direct seeding.

## **Direct Sowing**

Sow September-October

## **Insects & Diseases**

- Common insects: aphids, bean weevils
- Insect control: Pyrethrin

## **Harvest & Storage**

- Shelling beans: pick when fully formed but still soft and green
- **Dry beans:** harvest mature beans before pods begin to shatter in the field

## AVALANCHE



(OP) 55 days. These snow white roots have all the sweetness of ordinary beets without any bitterness or strong, beety flavor that some folks find too potent. At 2-3 inches in diameter, the roots are sized nicely for slicing and roasting, can be grated raw into salad, or juiced. Avalanche is here to convert even the pickiest eater into a beet enthusiast! HR: C.

## BT148C AVALANCHE

| 5 grams | 1000 seeds | 5,000 seeds |
|---------|------------|-------------|
| \$4.95  | \$7.45     | \$23.25     |

## **BORO**

(F1) 51 days. Boro is an extremely smooth, dark red beet with delectable roots and sumptuous, thick leaves for versatile, multipurpose use. Enjoy the vibrantly flavored roots early as baby beets, or allow them to reach full size. Great for pickling or roasting. Good disease resistance, BLS.

## BT143G BORO ORGANIC

1000 seeds **6** 5 grams \$5.95

Key to Beet Disease Resistance/Tolerance HR indicates high resistance. IR indicates intermediate resistance. RIS | Bacterial Leaf Spot Cercospora

## 1000 Water Breaker® Nozzle

Soften the flow!

This micro-fine hose nozzle is the one we use in our greenhouses. It shatters the water flow into an ultra-soft, aerated shower that won't displace seeds and soil or damage delicate plants. With 1,000 holes in the 2 inch head, the water flow is very gentle but with a volume high enough to irrigate quickly and efficiently. Threads onto standard 3/4 inch hose fittings. Handle not included. Made in the USA with a limited lifetime guarantee. ZSU907.....\$26.95

## BEETS

Beta vulgaris

| Soil Temp.<br>for Germ. | 50-75°F | Days to<br>Emergence | 5-17    |
|-------------------------|---------|----------------------|---------|
| Seed<br>Depth           | 1/2"    | Thin<br>Plants To    | 3-4"    |
| Seed<br>Spacing         | 1"      | Row<br>Spacing       | 12-16"  |
| Min.<br>Germ.           | 75%     | Seed<br>Life         | 2 years |
| Seeds<br>per gram       | ≈ 30-75 | Fertilizer<br>Needs  | Medium  |
|                         |         |                      |         |

Days to maturity are calculated from date of direct seeding.

## Culture

- Beets perform best in fertile, evenly moist soil with a pH of 6.0-7.0
- Uniform soil moisture is essential
- Sudden changes in temperature or soil moisture will increase zoning (ring formation in the root) and lead to premature bolting
- Transplanting not recommended as it can damage the tap root

## **Direct Sowing**

- Sow June-August
- At the bottom of the furrow band 1 cup of TSC's Complete fertilizer per 5-10 row feet
- · Cover seeds with sifted compost, loose soil, or vermiculite and water evenly
- Use row cover when soil temperatures are cool and to protect from pests

## **Insects & Diseases**

- Common insects: leaf miners, flea beetles, and leaf hoppers
- Insect control: pick off affected leaves and check for eggs-if found, spray with Pyrethrin
- Common diseases: scab
- Disease prevention: neutral pH (7.0), 3-4 year crop rotation, keep adequately watered
- Common pests: mice, voles, and gophers
- Pest control: traps or underground screens

## **Harvest & Storage**

- Beets should be harvested before temperatures drop to the 15-20°F range
- Harvest when roots reach desired size; small roots are tender, large roots may become woody if left in the ground too long
- Leaves can be used as pot greens or in salads
- If you are in a temperate climate, and your soil is well drained, your best location for root storage is in the garden under a protective layer of straw
- Trim tops and store at 36°F and 95% relative humidity

## **AUTUMN HARVEST BLEND**

(OP/F1) 65 days. If you have never waited to harvest your beets until after the autumn frosts, you have never tasted the intense sweetness that beets can achieve. The first frosts signal the root to begin storing sugars for the winter. Late October and November harvest will get the roots at their sweetest. Our distinctive blend of Red Ace, Touchstone Gold, and White Albino lets you grow a range of colors that make eye-catching pickles and relish. Equally impressive when served fresh.

## **BT138C AUTUMN HARVEST BLEND**

14 grams \$6.95

## **AZUMA**

(F1) 80-85 days. This outstanding variety produces flawless, smooth, dark red, globeshaped roots with little to no zoning. It's a great all-around beet for baby to full size roots and greens. A very resilient variety in cold weather, Azuma's leaves weathered cold snaps better than others in our winter trials. We've seen this one in trial gardens around the country, and it always comes out the winner!

## BT157C AZUMA

| 5 grams | 1000 seeds | 5,000 seeds |
|---------|------------|-------------|
| \$4.45  | \$5.95     | \$9.95      |

## **BRESKO**

(F1) 55 days. Smooth tasting for the refined palate, with deep, 2 ½ inch, round, red roots. Our trials have shown Bresko is very vigorous and resistant to leaf miners.

## BT156C BRESKO

| \$4.95  | \$7.60     | \$16.25     |
|---------|------------|-------------|
| 5 grams | 1000 seeds | 5,000 seeds |

## **EARLY WONDER TALL TOP**

(OP) 45 days. Early Wonder Tall Top is our most popular beet. Adaptable to all seasons, it forms 3-4 inch, deep red globes with tall, glossy leaves that make choice, tasty greens. A good all-around beet that also pickles well. Exhibits vigorous growth in cool soils. Its staggered maturity allows an extended harvest from a single sowing.

## **BT130C EARLY WONDER TALL TOP**

|       | 5 grams       | 14 grams      | 1 oz          |
|-------|---------------|---------------|---------------|
|       | <b>\$3.95</b> | <b>\$4.65</b> | <b>\$5.95</b> |
| BT130 | G EARLY WONE  | DER TALL TOP  | DRGANIC       |
| ØG    | 5 grams       | 14 grams      | 1 oz          |
|       | <b>\$4.30</b> | <b>\$5.25</b> | <b>\$6.95</b> |

**BT130P EARLY WONDER TALL TOP PELLETED** 

#### 250 seeds \$6.75 1000 seeds 5.000 seeds \$24.95 \$9.75

## **BOLDOR**

(OP) 51 days. These luminous golden beets are strides ahead of other yellow varieties. Featuring improved uniformity and vigor, Boldor offers a higher success rate in the garden with consistently attractive, roundshaped roots and yellow-stemmed, light green tops.

## BT132C BOLDOR

| LO DOLDON |            |            |
|-----------|------------|------------|
| 5 grams   | 1000 seeds | 5,000 seed |
| \$4.95    | \$7.45     | \$24.75    |

## PT122ST ROLDOR SEED TAPE

|          |                         | JK SEED IAF |
|----------|-------------------------|-------------|
| 27       | 1 tape                  | 3 tapes     |
| <u> </u> | 1 tape<br><b>\$6.95</b> | \$15.95     |
|          |                         |             |

## **LUTZ GREEN LEAF**

(OP) 65 days. Lutz Green Leaf has unsurpassed storage capacity, earning the name Winterkeeper. These crimson roots have a scrumptious flavor that becomes sweeter with time. The glossy, fuchsia-veined foliage is a delightful, hearty eating green.

## BT131C LUTZ GREEN LEAF

| 5 grams | 14 grams | 1 oz   |
|---------|----------|--------|
| \$3.85  | \$4.95   | \$6.95 |

## MERLIN

(F1) 55 days. A wonderfully uniform beet with dark green glossy leaves and round 3-4 inch red roots. Merlin really stands out in the flavor department due to its high sugar content. Leaves make a tasty, nutritious addition to your fall salads, IR: C.

## BT144C MERLIN

|         | 4000       | F 000      |
|---------|------------|------------|
| 5 grams | 1000 seeds | 5,000 seed |
| \$4.45  | \$6.45     | \$9.95     |



Azuma



Bresko





Roldor



Lutz Green Lea



Merlin



Aspabroc

Santee



Rudolph



Purple Sprouting

## Bunching

Bunching broccolis will produce long, tender and very sweet stems topped with small florets before winter.

## **ASPABROC**

(F1) 56 days. This gourmet quality baby broccoli or broccolini produces tender, delicious, elongated stems topped with small, domed, 2  $\frac{1}{2}$  inch florets. After the initial central stem is cut, the plants continue developing side shoots for repeated cuttings. Aspabroc has a nice, upright habit that lends itself to tight plantings.

## BR114C ASPABROC

1/4 gram 250 seeds 500 seeds \$6.55 \$17.95 \$30.70

## **Sprouting**

No winter garden would be complete without sprouting broccoli. Sow from mid-May-June, transplant out by the end of July-September. Sprouting broccolis are very hardy, surviving down to 10°F. Before flower buds open, cut the central head at a 45° angle. Side shoots will form from the axillary buds.

## SANTEE

(F1) 80–115 days. Santee delivers fresh, bright purple florets and tender green stems just when fresh food from the garden is scarce. Set the plants in the late summer/early fall garden, and enjoy the delicious harvests continuously for several weeks. PP# 8.921.644. HR: F. IR: X.

## **BR094G SANTEE ORGANIC**

**OG** 25 seeds \$5.65

\$5.65 \$16.55

250 seeds **\$33.35** 

## RUDOLPH

(OP) 150 days. Now you can enjoy fresh broccoli for the holidays with this winter sprouting variety. Rudolph is an English favorite because it is ready for harvest long before later maturing sprouting broccoli. Can be planted in mid-July to produce an abundance of full-flavored spears by mid-December. If you haven't grown sprouting broccoli before, this is the one to try!

## BR101C RUDOLPH

1/8 gram 1 gram 1/4 oz \$3.45 \$6.15 \$19.95

Key to Broccoli Disease Resistance/Tolerance HR indicates high resistance. IR indicates intermediate resistance.

DM | Downy Mildew F | Fusarium Wilt X | Black Rot



Sorrento

## **BROCCOLI**

Brassica oleracea, Botrytis Group

| Soil Temp.<br>for Germ. | 55-75°F   | Days to<br>Emergence | 5-17    |
|-------------------------|-----------|----------------------|---------|
| Seed<br>Depth           | 1/4"      | Thin<br>Plants To    | 12-24"  |
| Seed<br>Spacing         | 4-6"      | Row<br>Spacing       | 18-36"  |
| Min.<br>Germ.           | 80%       | Seed<br>Life         | 3 years |
| Seeds per<br>½ gram     | ≈ 125-175 | Fertilizer<br>Needs  | High    |

Days to maturity are calculated from date of transplanting.

#### Culture

- Broccoli performs best in fertile, well-drained soil with a pH of 6.0–7.0
- Broccoli is a cool-season crop that does not tolerate extreme heat; rough heads or leaves in the head are usually from heat stress
- Keep beds evenly moist and/or use shade cloth to maintain quality during heat waves
- Excess nitrogen or a boron deficiency can cause hollow stem
- In colder climates covering with Reemay or Frost Blanket will protect plants from frost damage

## **Direct Sowing**

Not recommended for fall plantings

## **Transplanting**

- Start May-July for transplanting June-August
- $\bullet$  Side dress with  $1\!\!/\!_2$  cup of TSC's Complete fertilizer at transplant

## **Insects & Diseases**

- See Brassica Insect Information on our website
- Disease prevention: 5-7 year crop rotation

## **Harvest & Storage**

- Harvest when heads are tight and dense
- Cut side-shoots regularly to encourage production
- Store at 36°F and 100% relative humidity

## **PURPLE SPROUTING**

(OP) 220 days. Maturing in March/April when fall planted, these tall 24–36 inch plants are covered with smallish, very sweet tasting purple crowns that turn green when cooked. Hardy to below 10 °F, Purple Sprouting is a delicious mainstay of the family spring food supply.

## **BR099C PURPLE SPROUTING**

½ gram 4 grams ½ oz \$3.95 \$5.85 \$10.95

## **Broccoli Raab**

Brassica rapa, Ruvo Group

## **SORRENTO**

(OP) 40 days. This is the quickest broccoli raab to mature. Sorrento has some of the largest, most uniform dark green florets in the early category, averaging 3–4 inches across. It grows upright to 30 inches. A choice pick for the early gardener and specialty market grower. Harvest the tender leaves, stems, and unopened flower buds; they have a hearty yet mild broccoli flavor.

## BR095C SORRENTO

1/2 gram 4 grams 1/2 oz \$3.95 \$6.60 \$11.95

## Crown

## **NEW IMPERIAL**

(F1) 70 days. Emerald green heads perfect for bunching, crown cut, and processing! This versatile variety is tolerant of long days and heat, making it perfect for spring and summer growing in the north, as well as cold weather and short days for fall and winter cropping in the south. Regardless of your location, Imperial will be a standout in your garden! It offers an excellent shelf life postharvest, too.

#### **BR120C IMPERIAL**

250 seeds 1/8 gram \$4.45 1000 seeds \$9.35 \$16.95

## PURPLE MAGIC

(F1) 90-100 days. Touted as the world's first purple-stemmed broccoli, this AAS award winner is magical, indeed! Plants produce sizeable dome-shaped heads that can weigh about 1 pound each. This cool-season crop grows upright to 30 inches and up to 20 inches wide with tight, uniform crowns and bright beads. An excellent easy-to-grow addition to any garden that is known to be sweeter and more tender than traditional green broccoli.

## **BR083C PURPLE MAGIC**

250 seeds 1000 seeds \$9.45 \$29.55

## **BELSTAR**

(F1) 66-75 days. Flawlessly uniform, 6 inch heads are beautiful blue-green with densely packed florets. The tightly domed heads are held high off the plants for easy harvest. This variety has excellent field holding capacity and is ideal for both warm and cold weather planting. It performed so well in our trials that it would have been a sin not to offer it. Good disease resistance.

## BROSSC RELISTAR

| DRUGGC BELGIAR |         |        |
|----------------|---------|--------|
| ½ gram         | 4 grams | ½ oz   |
| \$4.85         | \$15.45 | 6/0 05 |

## **BR088G BELSTAR ORGANIC**

500 seeds 1000 seeds \$17.95 \$28.45

## **JACARANDA**

(F1) 50 days. Unparalleled in crown broccoli, Jacaranda produces full-size heads that sport a unique purple color that's typically reserved for sprouting types. This unusual variety is a cross of broccoli and cauliflower, bringing out the best of both crops. Easy-to-grow, compact plants produce very uniform crops with blue-green leaves that set off the vibrant purple-tinged, 5 inch heads that are tender and delicious.

## **BR086C JACARANDA**

| ⅓ gram | 250 seeds | 500 seeds |
|--------|-----------|-----------|
| \$4.55 | \$18.95   | \$34.95   |

## **GYPSY**

(F1) 65 days. Gypsy yields smooth, welldomed, 8 inch heads with small to medium beads and excellent flavor. Reliable even in warmer temperatures, this versatile variety produces side shoots throughout the season once the main stem is cut. With a tall main stem, clean upright stature and robust root system, Gypsy is strides ahead of other cultivars with strong, uniform plants even in soils with lower fertility. IR: DM.

## BR113C GYPSY

| \$4.95  | \$6.95    | \$12.15    |
|---------|-----------|------------|
| ⅓₂ gram | 500 seeds | 1000 seeds |

## **UMPQUA**

(OP) 60 days. This superior open-pollinated variety was first developed here at Territorial many years ago. We love Umpqua for its robust heads, ability to produce over a long harvest window, and generous side shoot production. Arguably the highest yielding open-pollinated broccoli you can grow.

## **BR102G UMPQUA ORGANIC**

**6** 42 gram \$5.25 4 grams \$11.95



Imperial



Purple Magic



Belstar

## **Stainless Steel Nejiri Gama Hoe**

No mercy for weeds!

This sharp, lightweight tool is designed for effortlessly slicing through soil and weeds. Built of sturdy stainless steel with a comfortable hardwood handle. Overall length is 10 ½ inches with a 5 inch blade. Sorry, right handed only. ZT0852 ..... \$24.95









Jacaranda



Marte

## MARTE

(F1) 130 days. A top-quality sprout for early fall harvest. These blue-green, 1-1 ½ inch buttons swell on well-stacked, 30 inch stalks even in late summer heat. Robust plants are well rooted and resist lodging. HR: YR.

## **BS129C MARTE**

1/4 gram \$5.15 250 seeds 1000 seeds \$12.45 \$42.55



Franklin

## **FRANKLIN**

(F1) 125 days. In our trials, Franklin has been the earliest maturing of all the Brussels sprouts. It has the added bonus of high quality, uniform, firm sprouts. The plants are quite tall and have less woody stalks, so whole stem harvests are possible.

## **BS117C FRANKLIN**

250 seeds \$13.65 1/4 gram \$5.55 1000 seeds \$42.95



Redarling

## REDARLING

(F1) 145 days. Truly a darling in the Brussels sprout patch, Redarling reliably produces strong, uniform plants with 24 inch towers of purple sprouts. Each elongated button is firm and beautiful, stacking on sturdy stems for whole-stalk harvests. In our winter trials, we began harvesting in November and continued well into March. These phenomenal plants stood in prime condition in the open field for 4 months! For fans of purple sprouts, plant Rubine and Redarling for a continuous harvest into early spring.

## BS128C REDARLING

100 seeds 250 seeds \$12.35

## Kalettes® Brassica oleracea



**KALETTES® SERIES** 

(F1) These little beauties are bite-sized, loose heads of frilly kale lined up on Brussels sprout-type stalks. The mini kale florets are a beautiful green and purple bicolor with a mild, nutty flavor. The 3 varieties we're offering are specifically bred to mature at different times. Plant all 3 and you'll have a seamless harvest from autumn through late winter.

AUTUMN STAR 110 days. Autumn Star is the earliest maturing variety in our Kalettes® series, kicking off the harvest season.

MISTLETOE 125 days. Mistletoe is the tallest of our Kalettes®, offering heavy crops just in time for feasts at the end of the year. SNOWDROP 140 days. Snowdrop is our latest maturing variety. Ready for harvest in January-February.

**BS125C AUTUMN STAR** BS126C MISTLETOE BS127C SNOWDROP

100 seeds 250 seeds 25 seeds



## RUBINE (

(OP) 155 days. An heirloom variety not often seen in the garden. Rubine offers up a bountiful harvest of gorgeous 1-1½ inch purple-red sprouts that are full of wonderfully rich old-time flavor. A striking addition to any vegetable patch and a gourmet specialty for your table. Grows to 24 inches and performs best when planted early.

## **BS115C RUBINE**

250 seeds 1/4 gram \$4.35 \$7.40

1000 seeds \$13.95

## **BRUSSELS SPROUTS**

Brassica oleracea, Gemmifera Group

| Soil Temp.<br>for Germ. | 55-75°F | Days to<br>Emergence | 5-17      |
|-------------------------|---------|----------------------|-----------|
| Seed<br>Depth           | 1/4"    | Thin<br>Plants To    | 24"       |
| Seed<br>Spacing         | 4-6"    | Row<br>Spacing       | 18-36"    |
| Min.<br>Germ.           | 75%     | Seed<br>Life         | 3-4 years |
| Seeds per<br>¼ gram     | ≈ 60-85 | Fertilizer<br>Needs  | High      |
|                         |         |                      |           |

Days to maturity are calculated from June 15

## Culture

- Brussels sprouts perform best in cool weather and in fertile, well-drained soils
- Proper timing is needed in order to grow large mature plants, which then develop buds during cooler fall weather
- Provide plants consistent, even water (1 inch per week)
- · Brussels sprouts benefit from high fertility early in development and less as they mature (use a slow release fertilizer at transplant and later only if symptoms of deficiency occur)

## **Direct Sowing**

Not recommended

## **Transplanting**

- Start May-July for transplanting June-August
- At transplant, work in ½ cup of TSC's Complete fertilizer around the base of each plant

## **Insects & Diseases**

- See Brassica Insect Information on our website
- Disease prevention: 5-7 year crop rotation

## **Harvest & Storage**

- Brussels sprouts are best after a couple of frosts
- Mature buds should be 1–1½ inch, firm and well formed
- Begin picking sprouts from the bottom; upper sprouts will continue to mature as lower ones are harvested
- Alternatively, you can mature the entire stalk by cutting off the top at the growing point when sprouts are present throughout and bottom sprouts are ½ inch in diameter; sprouts will mature within a couple weeks
- Store at 36°F and 100% relative humidity



(F1) 150 days. Nautic's 1 inch, smooth, tightly wrapped buttons are tender and sweet. Extra space between buds makes harvesting easy and also provides improved air circulation for fewer incidences of disease. Resistant to powdery mildew, white rust and ring spot.

## **BS121G NAUTIC ORGANIC**



250 seeds \$18.95

1000 seeds \$66.60

## CABBAGE

Brassica oleracea, Capitata Group

| Soil Temp.<br>for Germ. | 55-75°F  | Days to<br>Emergence | 5-17    |
|-------------------------|----------|----------------------|---------|
| Seed<br>Depth           | 1/4"     | Thin<br>Plants To    | 18-24"  |
| Seed<br>Spacing         | 4-6"     | Row<br>Spacing       | 2-4'    |
| Min.<br>Germ.           | 75%      | Seed<br>Life         | 3 years |
| Seeds per<br>½ gram     | ≈ 55-115 | Fertilizer<br>Needs  | Medium  |
|                         |          |                      |         |

Davs to maturity are calculated from date of transplanting.

## Culture

- · Sudden temperature changes or high applications of fertilizer may result in poor head shape and reduced yields
- · Consistent and even watering is necessary

## **Direct Sowing**

Not recommended for fall plantings

#### **Transplanting**

- Start May-July for transplanting June-August
- Work in <sup>1</sup>⁄<sub>4</sub>−<sup>1</sup>⁄<sub>2</sub> cup of TSC's Complete fertilizer around each plant

#### Insects & Diseases

- See Brassica Insect Information on our website
- **Disease prevention:** 5–7 year crop rotation

## **Harvest & Storage**

- Early types: mature fast and burst quickly, so they must be harvested promptly
- Later types: hold in the field longer
- When cutting heads from stems, include 2 or 3 wrapper leaves to protect against bruising
- Over-mature heads can split, especially if they are exposed to moisture fluctuations
- Late storage types will keep for up to 6 months when kept at 36°F and at 100% relative humidity; early types will store 1-2 months



Primero

(F1) 75 days. Primero offers lots of productivity from tight plantings with its compact habit. Appealing dark purple color from 3-4 pound heads is matched by its sweet flavor and tender texture.

## **CB148G PRIMERO ORGANIC**

25 seeds \$4.55 \$13.15

1000 seeds \$40.75



Filderkraut

# FILDERKRAUT (\*)

(OP) 85 days; 160 days overwintered. This Old-World favorite produces large, teardrop-shaped heads on stately plants held high off the ground. The light green heads reach 14 inches tall and over 5 inches wide for plenty of sweet fresh cabbage that's just right for the best kraut. We've found the easiest way to grate these jumbo cabbages is by holding the blunt, stem end and shredding from the pointed tip down.

## CB010G FILDERKRAUT ORGANIC

ØG \$3.<u>95</u> 50 seeds

250 seeds \$7.85

500 seeds \$21.95



Tundra

## **TUNDRA**

(F1) 180-220 days. Famous in England for one of the longest harvest periods of any winter cabbage. This slightly savoyed green cabbage produces 2-3 pound heads and has the ability to withstand temperatures down to 10°F for short periods. Magnificent for outdoor culture here in the Northwest and worth a try for cold frame production, especially in the far north! When sown in June and July. Tundra can be harvested from December right through to April.

## **CB157C TUNDRA**

30 seeds \$5.95 100 seeds

## QUICK START

(F1) 55-60 days. With amply sized heads, excellent uniformity, and disease resistance, this early cabbage is a must in the spring and fall garden. Nestled in the large surrounding leaves you'll find 3 pound heads, which are heftier than many other early maturing green cabbage we've trialed. Quick Start has beautiful, round, medium green heads with a small core, and offers good field holding capacity too. HR: F.

## **CB156C QUICK START**

250 seeds ½ gram \$5.95

1000 seeds \$11.45



Greenboy

## **GREENBOY**

(F1) 80-85 days. Our new garden buddy in the cabbage patch! Greenboy produces pictureperfect, blue-green heads with white interiors that are dense and solid. Its adaptability and disease resistance means great garden performance and yield in warm and cold regions. YR.

**CB159C GREENBOY** 

½ gram \$3.85 \$5.35

250 seeds 1000 seeds \$9.95



## DEADON

(F1) 105 days. Hit all the high notes with this gorgeous January King type cabbage. Deadon produces big, flattened heads wrapped in semi-savoyed, slate blue leaves. Inside, you'll find a firm, light green interior that's dense and deliciously sweet. Cool weather brings out a deeper magenta blush on the magnificent, 4-6 pound heads, HR: YR.

## **CB149G DEADON ORGANIC**

25 seeds **\$4.95** 

250 seeds \$15.20

1000 seeds \$48.95



Quick Start



## **ALCOSA**

(F1) 65 days. A fast-to-mature, manageably sized savoy. Measuring approximately 5-6 inches and 2-4 pounds each, these attractive heads are well packed with sweet, heavily puckered, green leaves. Small-framed plants allow for dense plantings in both spring and fall. HR: YR.

## **CB179C ALCOSA**

50 seeds \$4.95 250 seeds 1000 seeds \$21.95 \$8.25



Katarina

## KATARINA 🏙



(F1) 45 days. Manageably sized, fast to mature, and absolutely delicious. This AAS award-winning cabbage produces impeccably uniform, light green, 4 inch globes on compact plants. An excellent choice for containers or cramped plantings and year-round production of the sweetest cabbage.

## **CB164C KATARINA**

250 seeds ½ gram \$4.95 1000 seeds \$7.55 \$17.95



Ruby Ball Improved

## **RUBY BALL IMPROVED**

(F1) 78 days. Over the years, we have tested hundreds of cabbage varieties at our London Springs research farm, and Ruby Ball Improved remains a great all-season red cabbage. Firm, 6-8 inch round heads have a mild, sweet flavor and weigh a manageable 3-4 pounds. We have seen this variety stand unfazed in the garden for 6 weeks without splitting, which allows the gardener extended fresh harvests. Ruby Ball Improved stores moderately well after harvest.

## **CB152C RUBY BALL IMPROVED**

1000 seeds 250 seeds \$4.95 \$8.25 \$16.65



**TIARA** 

(F1) 58 days. A mighty mini cabbage! Tiara produces a very high quality, dense head that almost dwarfs the very compact plant. The 6 inch heads weigh in at 3 pounds each with a short core and very solid interior. The flavor is mild, not peppery, with a buttery, tender, juicy crunch. Its long shelf life is an added bonus. A delicious selection for dense plantings or small gardens.

| \$4.55 | \$8.20    | \$17.75    |
|--------|-----------|------------|
| ½ gram | 250 seeds | 1000 seeds |

| <b>B1</b> | 77G      | TIAR   | A OR | GANIC |
|-----------|----------|--------|------|-------|
|           | <b>1</b> | /o gra | m    | 25    |

250 seeds **\$9.75** 1000 seeds **OG** \$5.45 \$21.95



Kalihos

## **KALIBOS**

(OP) 74 days. Like a giant tea rose blooming in your cool-weather garden, these purple/ red cabbages form gorgeous pointed heads swirling out of their blue/green outer leaves. As tasty as it is beautiful, this old Eastern European variety has a high sugar content for shredding and adding to fresh salads or making spectacular pink slaw or kraut. In the field, the 2–3 pound heads shed winter's weather thanks to their shape, and after harvest they store well, too.

## **CB175C KALIBOS**

250 seeds 1000 seeds 1/4 gram \$3.35 \$5.25 \$10.95

## Cauliflower



Skywalker



Flame Star



Purple of Sicily

## SKYWALKER

(F1) 80 days. The Force is definitely strong with this superior variety. Skywalker produces flawlessly uniform, hefty heads of beautiful, tight, white curds. Strong wrapper leaves keep the crop in prime condition in the field without compromising the color and shape of the heads.

## CF190G SKYWALKER ORGANIC

**6** 25 seeds **\$4.95** 

250 seeds \$19.95

500 seeds

## **FLAME STAR**

(F1) 70-80 days. A standout in the cauliflower department, this remarkable, pastel orange variety is undeniably unique. Dense heads are light orange inside and have a smooth, juicy, creamy flavor with no bitterness or spice. Flame Star is a great choice for spring or fall planting, as it shows improved heading ability and excellent heat tolerance.

## **CF191C FLAME STAR**

250 seeds 500 seeds 25 seeds

## PURPLE OF SICILY (\*)



(OP) 90 days. Heirloom quality, exceptional flavor, super nutrition, insect resistance and astounding color all in one cauliflower. It's no wonder Purple of Sicily has been handed down from generation to generation. Big, 2-3 pound heads are brilliant purple in the garden or on the fresh veggie platter, changing to a striking green when cooked. The curds are loaded with minerals and have a sweet. delicious, refined flavor. Its natural insect resistance means healthier plants and better success in the garden.

## **CF173C PURPLE OF SICILY**

2 grams ¼ gram 1/2 07 \$5.85 \$14.95

## **CAULIFLOWER**

Brassica oleracea, Botrytis Group

| Braceroa creracea, Bott ytto areap                 |         |                          |         |
|--|---------|--------------------------|---------|
| Soil Temp.<br>for Germ.                            | 55-75°F | Days to<br>Emergence     | 5-17    |
| Seed<br>Depth                                      | 1/4"    | Soil Temp.<br>for Trans. | 55-75°F |
| Plant<br>Spacing                                   | 12-24"  | Row<br>Spacing           | 18-36"  |
| Min.<br>Germ.                                      | 75%     | Seed<br>Life             | 3 years |
| Seeds per<br>¼ gram                                | ≈ 60-85 | Fertilizer<br>Needs      | High    |
| Davis to made with a superplant of the up alots of |         |                          |         |

Days to maturity are calculated from date of transplanting.

#### Culture

- Refer to broccoli culture on page 8
- Blanching: to ensure completely white heads, tie the inner leaves around the head when it starts to form, or break over some inside leaves to shade the head

## **Direct Sowing**

• Not recommended for fall plantings

## **Transplanting**

• Refer to broccoli culture on page 8

## **Insects & Diseases**

- See Brassica Insect Information on our website
- **Disease prevention:** 5–7 year crop rotation

## **Harvest & Storage**

- Harvest when heads are tight and dense
- Overmature florets begin to separate and appear ricey
- Store at 36°F and 95% relative humidity



Snow Crown

## SNOW CROWN (III)

(F1) 50–60 days. Snow Crown's hybrid vigor and rapid growth make it one of the easiest to grow of all early cauliflower varieties. It forms fully domed curds in heads 7–8 inches across, weighing 1–2 pounds. This variety maintains its prime eating quality for up to 10 days in the garden. May manifest a delicate pink blush when maturing in the hotter parts of summer.

## CF171C SNOW CROWN

 1/4 gram
 250 seeds
 500 seeds

 \$4.55
 \$6.95
 \$11.65

## **NEW MURASAKI FIORETTO 70**

(F1) 70 days. This vibrant purple, long-stemmed cauliflower is truly a visual and culinary delight. Murasaki Fioretto 70's long, tender stems and beautiful purple florets are sweet and mild. Unlike some other purple varieties, these delicious florets maintain their eye-catching color through a wide range of cooking methods, turning fuchsia in vinegar and a rich golden brown when sautéed or roasted. They are also great raw. Plants are compact, early maturing, and heat tolerant while offering great field holding. Perfect for the home grower in any climate!

## **CF184C MURASAKI FIORETTO 70**

50 seeds 250 seeds 500 seeds \$9.95 \$39.95 \$69.95

## **TWISTER**

(F1) 62 days. If you're on the hunt for a reliable, picture-perfect, white cauliflower, Twister is what you're after. Gorgeous, medium to large, snow-white heads with tight curds form with exceptionally well-developed wrapper leaves. These leaves spiral around, enclosing the head in a secure teardrop-shaped swirl that protects the cauliflower from sun and weather for pristine harvests. Twister is well adapted to a wide range of climates across the country.

## CF194C TWISTER

1/8 gram 250 seeds 500 seeds \$5,25 \$10.95 \$20.85

## **DEPURPLE**

(F1) 79 days. DePurple is attracting unequaled attention with its alluring lilac florets topping creamy stems. Maintaining its color in cooking, DePurple makes a presentational impact on the table. Big, robust plants have a squat, slightly open habit and produce 7 inch, dense, domed heads. This variety is easier to grow than many other purple cauliflowers.

## CF177C DEPURPLE

25 seeds 100 seeds 250 seeds \$5.95 \$18.95 \$33.35

## **CLEMENTINE**

(F1) 70–75 days. Electric orange, this vibrant cauliflower is even brighter than its namesake. Clementine's 6 inch heads shine like spotlights in the garden, and they produce earlier in the season than Flame Star.

## CF183C CLEMENTINE

25 seeds 100 seeds 250 seeds \$6.45 \$19.30 \$38.85

## Romanesco

## **VERONICA**

(F1) 85 days. A fascinating yet attractive and nutritious addition to your cauliflower crop, Veronica is just as beautiful as it is delicious. Seven-inch heads are formed from clusters of swirling chartreuse spires. Its taste is a somewhat nuttier cross between broccoli and cauliflower. A crunchy, sweet addition to a raw vegetable platter or cook as you would any cauliflower for a tasty and irresistible treat.

## CF170C VERONICA

|       | 25 seeds<br><b>\$4.95</b> | \$22.95                     | \$42.95              |
|-------|---------------------------|-----------------------------|----------------------|
| F170G | VERONICA OF               | RGANIC                      |                      |
| ØG    | 25 seeds<br>\$5.35        | 250 seeds<br><b>\$24.55</b> | 500 seeds<br>\$45.75 |



Murasaki Fioretto 70



Twister



DePurple



Clementine





Kuroda Improved



Vava



Coventry



Napoli



Sugarsnax 54

## KURODA IMPROVED

(OP) 75 days. If you love the sweet snap of a carrot but struggle to grow straight, long-rooted crops, we've got just what you need. We're pleased to offer this easy-to-grow variety that reliably produces strong, stout roots even in shallow, rocky or heavy soil. You'll love the tasty, bright orange roots that reach 5–7 inches long and 3 inches wide. A prime choice for container gardeners too!

## **CR256C KURODA IMPROVED**

| 1 gram | 5 grams | 1 oz   |
|--------|---------|--------|
| \$3.95 | \$6.15  | \$9.95 |

## YAYA

(F1) 60 days. A very sweet, crisp Nantes carrot that raises the bar on flavor and quality. Yaya's 6 inch, bright orange, cylindrical roots hold very well in the ground making it an excellent choice for a fall crop. Add the extra sweetness that comes along with cool weather and you have one delectable carrot. Strong tops make Yaya a great variety for bunching. MA. IR: Ar, C, P.

## CR283G YAYA ORGANIC

| <b>OG</b> | 1 gram<br><b>\$5.45</b> | 5000 seeds<br><b>\$16.95</b> | 10,000 seeds<br>\$28.35 |
|-----------|-------------------------|------------------------------|-------------------------|
|           | ST YAYA SE              | ED TAPE ORGANI               | С                       |
|           | 1 tape<br>\$6.95        | 3 tapes                      |                         |
| <u> </u>  | \$6.95                  | \$15.95                      |                         |

## **COVENTRY** 7

(F1) 72 days. Coventry is an outstanding variety in the Chantenay class. It produces exceptionally uniform crops of broad-shouldered, stout roots with erect, short, strong tops. The 4-4½ inch, wedge-shaped carrots are an attractive light orange and have a very tasty, delicately sweet flavor. Coventry is our choice for baby carrots, which can be pulled up to three weeks earlier than the stated days to maturity. IR: Ad, Ar, C, P.

## CR257C COVENTRY

| \$4.95 \$11.95 \$19.95                                |      |
|---|------|
| 1 gram 5,000 seeds 10,000 s<br>\$4.95 \$11.95 \$19.95 | eeds |

## NAPOLI

(F1) 55 days. Napoli is a first-rate Nantes type carrot that is among the earliest to mature. The 7–8 inch, bright orange roots have a fine texture and a mild, juicy crunch. Plants have tall, strong tops for easy harvest and produce uniform, smooth, cylindrical carrots with narrow shoulders. MA. IR: Ad, Ar, C, P.

#### CR294C NAPOLI 1 gram \$4.95

| CR294G NAPOLI ORGANIC  |              |            |             |  |  |
|--|--------------|------------|-------------|--|--|
| <b>6</b> 1 gram 5,000 seeds 10,000 seeds <b>517.60 \$28.85</b> |              |            |             |  |  |
|  | <b>33.43</b> | \$17.6U    | \$20.05     |  |  |
| CR294P NAPOLI PELLETED   |              |            |             |  |  |
|  | 250 caade    | 1000 saads | 5 000 seeds |  |  |

\$11.95

5,000 seeds 10,000 seeds

\$24.65

\$6.45 \$12.90 CR294ST NAPOLI SEED TAPE 1 tape 3 tapes \$6.95 \$15.95

## **SUGARSNAX 54**

(F1) 68 days. Super tasty and nutritious, Sugarsnax 54 is sweet and tender for superior eating quality. Rich, dark orange color reveals the extra high beta-carotene content. Slender roots grow 9 inches long with strong tops. Imperator type. AS, C, P.

## CR284C SUGARSNAX 54

| 1 gram | 5,000 seeds | 10,000 seeds |
|--------|-------------|--------------|
| \$4.95 | \$9.55      | \$15.35      |

## CR284P SUGARSNAX 54 PELLETED

| 250 seeds 1000 seeds 5,0 | 00 seed:<br><b>7.55</b> |
|--------------------------|-------------------------|
| 250 seeds 1000 seeds 5.0 | 00 1                    |

## CARROTS

Daucus carota var. sativus

| Soil Temp.<br>for Germ. | 45-85°F             | Days to<br>Emergence | 6-21    |
|-------------------------|---------------------|----------------------|---------|
| Seed<br>Depth           | 1/4"                | Thin<br>Plants To    | 1-3"    |
| Seed<br>Spacing         | 4 per in.           | Row<br>Spacing       | 9-16"   |
| Min.<br>Germ.           | 75%<br>Organic: 65% | Seed<br>Life         | 3 years |
| Seeds<br>per gram       | ≈ 650-750           | Fertilizer<br>Needs  | Low     |
|                         |                     |                      |         |

Days to maturity are calculated from date of direct seeding.

#### Culture

- Carrots perform best in deeply worked, wellcomposted, loose soil with a pH of 6.0-7.0
- When the soil is workable, spade or till it to a fine texture 12–16 inches deep cloddy, heavy soil will not make straight roots
- Heavy soils can cause forked roots, use Chantenay, Kuroda, Paris Market, or Nantes types in heavy soils
- Avoid split roots by maintaining even watering
- When plants have 7–10 leaves, hill 1–2 inches of soil around crowns to prevent green shoulders

## **Direct Sowing**

- Sow mid-June-July
- Dig a shallow furrow and lightly cover seed with soil, vermiculite or sifted compost
- Water evenly and regularly to prevent soil crusting
- Cover beds when soil temperatures are cool and to help prevent soil crusting
- Thin when plants are 4 inches tall

## Insects & Diseases

- Common insects: carrot fly
- Insect control: row covers at planting
- Common diseases: various blights
- Disease prevention: keep soil evenly moist,
- 3-4 year crop rotation

## Harvest & Storage

- Flavor is enhanced after a couple of frosts
- Roots can be dug any time at maturity through winter as needed
- In harsh climates, mulch with straw for protection
- $\bullet$  Best harvested when ½–¾ inches in diameter when carrots are sweet and tender
- Cut tops prior to storage
- Store at 36°F and 95% relative humidity



## What is pelleted seed?

Seed that has been coated with a claybased material to form a larger, round shape. This makes planting by hand or mechanical seeder easier and allows for more controlled sowing of small seeds such as carrots or lettuce. All pelleted seed has a National Organic Program (NOP) approved coating. For best results, store pelleted seed in

For best results, store pelleted seed in an air-tight container and use within one season.

## **NORTHERN LIGHTS CARROT BLEND**

(F1) A striking array of colorful carrots for your autumn and holiday meals. Includes purple, yellow, white and orange varieties.

**CR273C NORTHERN LIGHTS CARROT BLEND** 

## **SPEEDO**

(F1) 65 days. A solid and dependable choice for uniformity and overall quality, Speedo has a delicious flavor that's mild and lightly floral. A Nantes type, it produces smooth, very shapely roots, 7-8 inches long. The blunt-tipped carrots are quick to size up even in poor soils. Bolt-resistant plants have clean, erect foliage with strong attachments for easy pulling. IR: AB, C.

## CR299C SPEEDO

| 1 gram | 5,000 seeds | 10,000 seeds |
|--------|-------------|--------------|
| \$4.85 | \$10.45     | \$16.95      |

## CR299P SPEEDO PELLETED

| 250 seeds  | 1000 seeds | 5,000 seeds |
|------------|------------|-------------|
| <br>\$6.35 | \$10.95    | \$17.55     |

## MERIDA

(F1) 80 days. This exciting selection fills a harvest slot all its own. We spent years looking for an overwintering carrot that could be planted in late September/early October and harvested May through June. Merida is a moderately vigorous Nantes type that possesses extraordinarily good resistance to bolting. It produces sweet rich orange carrots 6-7 inches long and 1-1 1/2 inches in diameter. Well suited to spring and summer plantings, too! A carrot juicer's dream.

## **CR267P MERIDA PELLETED**

| P     | 250 seeds<br><b>\$6.55</b> | 1000 seeds<br><b>\$11.75</b> | 5,000 seeds<br><b>\$19.25</b> |
|-------|----------------------------|------------------------------|-------------------------------|
| CR267 | ST MERIDAS                 | EED TAPE                     |                               |
| 17    | 1 tape                     | 3 tapes                      |                               |
| /=/   | \$6.95                     | \$15.95                      |                               |

## Key to Carrot Disease Resistance/Tolerance HR indicates high resistance. IR indicates intermediate resistance.

AB Early (Alternaria) Blight

Ad Alternaria dauci - "Alternaria Leaf Blight"

Alternaria radicina - "Black Rot" Ar

AS Alternaria Stem Canker

C Cercospora

MA **Liquorice Rot Pythium Root Rot**  GIANTS OF COLMAR (\*)



(OP) 75 days. One of our favorite go-to carrots for the winter garden, but it's also a great selection for multiple seasons. Giants of Colmar has conical roots that grow 11–12 inches long and resist splitting while waiting to be dug. Hefty, broad roots are sweet and delicious. There is nothing quite as satisfying as the sweet flavor of Giants of Colmar eaten fresh from the garden in the dead of winter.

## **CR264C GIANTS OF COLMAR**

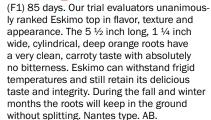
| 1 gram | 5.000 seeds | 10.000 seeds |
|--------|-------------|--------------|
| \$4.75 | \$7.25      | \$11.95      |

## **CR264G GIANTS OF COLMAR ORGANIC**

|  | <b>OG</b> 1 gram \$5.25 | 5,000 seeds<br><b>\$11.65</b> | 10,000 seed<br><b>\$16.25</b> |
|--|-------------------------|-------------------------------|-------------------------------|
|--|-------------------------|-------------------------------|-------------------------------|

**CR264P GIANTS OF COLMAR PELLETED** 250 seeds 1000 seeds \$12.90

**ESKIMO** 



## CR274C ESKIMO

| 1 gram | 5 grams |
|--------|---------|
| \$5.95 | \$17.75 |



(F1) 75 days. A new and improved red Nantes type! These handsome carrots have a distinct, deep coral-red tone and pinkish interior. They produce early and very uniform crops of well-filled, 7-8 inch long, cylindrical roots. Redsun resists bolting better than other red types we've grown, but be sure to plant in late summer for fall harvest for best performance and flavor.

## CR258C REDSUN

| \$4.95 | \$15.45     | \$23.60      |
|--------|-------------|--------------|
|        |             |              |
| 1 gram | 5.000 seeds | 10.000 seeds |

**Check out our seed tape!** Perfectly straight rows of precisely spaced crops are at your fingertips. Visit TerritorialSeed.com for more options.



Northern Lights Blend



Speedo



Merida







Redsun **Fskimo** Giants of Colmar

## **Collards**



Top Chop

## **TOP CHOP**

(F1) 74 days. Collards are a gift from winter's garden and Top Chop is a leader in the field. With big, broad leaves from bolt-resistant, clean, upright plants, you'll be picking greens over a wide-open harvest window. Top Chop regrows fast and produces lots of uniform leaves for fresh salads, carb-free wraps, soups and all your dishes calling for hearty greens.

CO258C TOP CHOP

1 gram 4 grams ½ oz \$4.95 \$8.85 \$18.85



Flash

## **FLASH**

(F1) 55 days. Flash is a dark green-leaved collard that has earned a reputation for its vigor, high uniformity, and impressive yields. The 16–23 inch, smooth broad-leaved plants are very slow to bolt, offering longer, more dependable harvests. High in iron, calcium, potassium, phosphorus, and vitamins A, B, C, and E. Rapid regrowth after harvest.

C0254C FLASH

1 gram 4 grams ½ oz \$4.95 \$8.85 \$18.85

# Kohlrabi



Konan

## KONAN 🕮

(F1) 42 days. If there was ever a kohlrabi variety to take this unusual vegetable out of relative obscurity, it's Konan. Its pristine, icy-green globes and sweet, crunchy, alabaster flesh will make you stand up and take notice. Sturdy, uniform, healthy plants produce smooth-skinned bulbs that can reach up to 6 inches across for lots of delectable, cool-season dishes.

## KH355C KONAN

| 50 seeds<br><b>\$4.95</b> | 150 seeds<br><b>\$10.35</b> | 500 seeds<br><b>\$28.95</b> |
|---------------------------|-----------------------------|-----------------------------|
| KH355G KONAN OR           | GANIC                       |                             |
| = EO coode                | 150 00000                   | EOO coode                   |

**6** 50 seeds 150 seeds 500 seeds **511.35 531.75** 



Konstance

## NEW KONSTANCE

(F1) 42 days. Kohlrabi lovers, rejoice! This AAS winner features improved, smoother skin and a beautiful, vibrant purple color that continues through the leaf margins. A fantastic choice for both spring and fall growing, Konstance is long lasting and resists cracking. The bulbs are sweet and crisp with peppery undertones, while the leaves are also delicious when roasted, sautéed, or eaten raw when young and tender. Plants hold well in the garden, providing a longer harvest window.

## KH349C KONSTANCE

100 seeds 500 seeds 1000 seeds \$8.95 \$39.95 \$59.95



Beas

## BEAS

(F1) 42 days. The first of its kind, and a beautiful complement to purple and green varieties, Beas is perfectly pearly white inside and out with a delicately sweet flavor. The flawlessly uniform crops produce bulbs 2–3 inches wide with light green stems and foliage. A must-grow variety for kohlrabi fans.

## KH356C BEAS

50 seeds 150 seeds 500 seeds **\$4.75 \$7.65 \$16.45** 



Delicacy White & Purple

## **DELICACY**

(OP) In our winter trials, when most other kohlrabi had split open and succumbed to the weather, this powerhouse duo kept looking and tasting wonderful. Both Delicacy White and Purple can be harvested when the bulbs reach tennis ball size, but when left to grow slightly larger, they still remain tender. Crisp, delectable flesh is great grated and incorporated into your favorite slaw. **DELICACY WHITE** - 60 days. Light, minty

green skin. **DELICACY PURPLE** - 65 days. Vibrant purple skin.

KH351C DELICACY WHITE KH352C DELICACY PURPLE

½ gram 4 grams ½ oz \$3.95 \$6.65 \$12.95

## **COLLARDS**

Brassica oleracea, Acephala Group

| Soil Temp.<br>for Germ. | 55-75°F | Days to<br>Emergence | 5-17    |
|-------------------------|---------|----------------------|---------|
| Seed<br>Depth           | 1/4"    | Thin<br>Plants To    | 12-24"  |
| Seed<br>Spacing         | 1-3"    | Row<br>Spacing       | 18-36"  |
| Min.<br>Germ.           | 80%     | Seed<br>Life         | 3 years |
| Seeds<br>per gram       | ≈ 250   | Fertilizer<br>Needs  | Medium  |

Days to maturity are calculated from date of transplant.

#### Culture

• See kale culture on page 23

## **KOHLRABI**

Brassica oleracea, Gongylodes Group

| Soil Temp.<br>for Germ. | 55-75°F | Days to<br>Emergence | 5-17    |
|-------------------------|---------|----------------------|---------|
| Seed<br>Depth           | 1/4"    | Thin<br>Plants To    | 3-8"    |
| Seed<br>Spacing         | 1"      | Row<br>Spacing       | 12-18"  |
| Min.<br>Germ.           | 80%     | Seed<br>Life         | 3 years |
| Seeds per<br>½ gram     | ≈ 150   | Fertilizer<br>Needs  | Low     |

Days to maturity are calculated from date of transplant.

## Culture

- Kohlrabi performs best in the cool season and can tolerate a wide range of soil types
- For extended harvests, plant every 2-3 weeks
- Mature plants are frost tolerant and cool weather brings out sweet flavor

## **Direct Sowing**

- May and June sowings should be avoided as they result in kohlrabi maturing in the hottest weather, producing dry, woody bulbs
- Sow from mid-July to mid-August
- Thin when plants have 2 sets of true leaves

## **Transplanting**

- Start May-July for transplanting June-August
- Transplant outside when there are 6–8 true leaves and nighttime temperatures remain above 40°F

## **Insects & Diseases**

- See Brassica Insect Information on our website
- **Disease prevention:** 5–7 year crop rotation

## Harvest & Storage

- Fall-grown kohlrabi is less likely to get woody as it gets larger
- Store at 36°F and 95% relative humidity

## **Kana Hoe**

Nimble and durable, this Japanese-designed hoe maneuvers around delicate plants, loosens the soil, and cuts away tenacious weeds with a super sharp blade.

ZT0967 ..... \$19.95

## **GARLIC**

Clove Depth

Clove Spacing

#### Culture

- Garlic thrives in rich, well-drained soil with a pH between 6.0-7.0
- Work in 1 inch layer of compost, ½ cup of bone meal, 1/2 cup TSC's Complete fertilizer per 5 row feet
- When spring growth begins: water to keep the soil slightly moist, and fertilize with Age Old Grow or TSC's Complete fertilizer
- As harvest approaches: water less to avoid molding or staining
- Hardnecks: cut off any flowering stems (scapes) at the top leaf to redirect energy to the bulb; scapes can be used like green onions

#### **Direct Sowing**

- In Northern regions, garlic is best planted by the end of October, or 6-8 weeks before the ground freezes
- Southern regions may plant as late as March
- Separate the cloves of garlic just prior to planting, keeping as much skin on as possible
- Plant cloves pointed end up
- Mulch with clean straw or leaves to 4 inches

## Pests & Diseases

- Common pests: onion thrips, stem & bulb nematodes
- **Pest control**: Pyrethrin, 5–7 year crop rotation
- Common diseases: Gray mold/Botrytis, rust • Disease prevention: 5-7 year crop rotation,
- avoid soggy soil

## **Harvest & Storage**

- Harvest when the top 4-5 leaves are slightly green, and lower leaves are dry
- Begin checking for mature bulbs in late June
- Each green leaf represents one layer of covering over the bulb in the ground
- Tie the plants in small bundles and dry in a cool, shaded, well-ventilated location for about 3-4 weeks
- After curing is done, cut foliage and roots from bulbs and store in mesh bags
- Softnecks: you can keep leaves on and braid the whole plant

## **DeWit Dibber**

ZT0945 .....

Your best friend when planting. Whether you're sowing seeds, planting garlic, or setting flower bulbs in the ground, this wooden dibber makes the work quick and precise. Constructed of solid ash with a sharp, brass tip, the dibber opens holes in the soil with a quick, press-andspin motion. The tapered body makes proportionally wider holes with deeper depths, and engraved inch markings assure accurate planting. Overall length: 12 inches.



Garlic is shipped only in the fall—starting in mid-September, depending on the season and the variety. Quantities are limited; order early for best availability. Sorry, not available to Idaho, US Territories, or Canada.

## Hardneck

Allium sativum subsp. ophioscorodon

Cloves per bulb: Approximately 5-10 Cloves per pound: Approximately 40-65

Cloves grow in a single circle around a central woody stem. These varieties also produce, or attempt to produce, a flower-like stalk. What makes these garlics stand out is the range and quality of flavors they exhibit. Hardneck garlics typically have a shorter storage life than softnecks.

## **UKRAINIAN RED**

Mid-season, Rocambole type. Ukrainian Red boasts a flavor as rich as its history. Big, beautiful heads are wrapped in white skins and open to reveal 7-10 plump cloves with very easy-to-peel, tan skins. We love the robust, well-rounded flavor that's spicy when raw and mellow after cooking.

## XG335C UKRANIAN RED

8 oz **\$20.95** 

5 lbs \$114.95

Late-season, Marbled Purple Stripe type. An eye-opening garlic with a strong, spicy flavor that mellows to a tasty nuttiness when roasted or baked. Big, flattened heads sport a purple-streaked wrapper and 5-7 stout cloves protected by easy-peel, tan skins striped in purple/red.

XG177C SVEA

8 oz **\$20.95** 1 lb \$31.95

## **UZBEKISTAN**

Mid-season, Turban type. We've traced this variety from Uzbekistan to Washington State, where it was introduced by German immigrants. The shiny, bright purple wrappers open to reveal equally colorful, big cloves with an earthy flavor and spicy zing.

XG193C UZBEKISTAN

8 oz \$20.95

\$31.95

## **PURPLE GLAZER**

Mid-season, Glazed Purple Stripe type. A vivid, royal purple tinged with shiny gold and/ or silver hues makes this one of the most attractive garlics. As a sub-variety of purple stripe, a group known for being the best baked garlic, Purple Glazer has a strong lasting flavor, but not hot and no aftertaste. Very easy to peel.

XG172C PURPLE GLAZER

8 oz \$20.95 \$31.95

SPANISH ROJA

Mid-season, Rocambole type. Probably the most popular hardneck type because most garlic lovers find the flavor to be "true garlic". A Northwest heirloom that was reported to have been brought into Northwest Oregon before 1900, it is often called Greek garlic by home gardeners throughout the region.

XG241C SPANISH ROJA

\$20.95

\$31.95



Ukrainian Red





Uzbekistan



Purple Glazer



Spanish Roja



Ivan



German Red



Duganski



Premium Northern White



Bavarian Purple



Persian Star

## **NEW** IVAN

Mid-season, Porcelain type. A selection of the famous Music garlic, Ivan is quickly establishing a reputation among the finest hardnecks for its fewer (but larger) cloves and even better adaptability. Well suited for northern regions, this cold-hardy variety is generally ready for harvest earlier than other Porcelain types —allowing you to enjoy fresh scapes sooner too! The easy-to-peel cloves have a rich, spicy flavor when raw that become sweeter when cooked and roasted, making it a great multipurpose garlic for all your culinary creations.

XG187C IVAN

8 oz 1 lb \$20.95 \$30.95

## **GERMAN RED**

Mid-season, Rocambole type. German Red is a full-bodied, strong and spicy garlic that reliably produces large, satiny white and purple heads. The easy-to-peel cloves are wrapped in fawn-colored skins. A widely popular variety that sets the standard for true garlic flavor. Grows particularly well in colder regions of the country.

XG211C GERMAN RED

8 oz 1 lb **\$19.95 \$29.95** 

## **DUGANSKI**

Mid-season, Purple Stripe type. A stunningly beautiful garlic with large bulbs and an amazing flavor that matches its looks and size. Purple outer wrappers protect the violettinged cloves that burst with a fiery flavor and mellow out with a pleasant aftertaste.

XG180C DUGANSKI

8 oz 1 lb 5 lbs **\$20.95 \$31.95 \$114.95** 

## PREMIUM NORTHERN WHITE

Late-season, Porcelain type. The heritage of this unique garlic can be directly traced to northern Germany. It could possibly be the most cold-hardy variety known, having been documented to  $-18\,^{\circ}\text{F}$  in Eastern Oregon. And one grower, who cultivated this variety in New York for more than 10 years, claims it withstood  $-60\,^{\circ}\text{F}$ . Let us know how it does for you! It's a potent hardneck that is easy to peel.

**XG229C PREMIUM NORTHERN WHITE** 

8 oz 1 lb 5 lbs \$20.95 \$31.95 \$114.95

Garlic is shipped only in the fall—starting in mid-September, depending on the season and the variety. Quantities are limited; order early for best availability. Sorry, not available to Idaho, US Territories, or Canada.

## **BAVARIAN PURPLE**

Mid-season, Rocambole type. Folks who regularly include garlic as a part of their diet typically like stronger-flavored garlic like Bavarian Purple. After eating half of a clove, we found that the heat built quickly, made the eyes water, then disappeared just as fast with no aftertaste. Develops a tremendous system of roots that gives it excellent stability in hard-winter regions. Stores 9 months to a year.

XG174C BAVARIAN PURPLE

8 oz 1 lb 5 lbs \$20.95 \$31.95 \$114.95

## PERSIAN STAR



Mid-season, Purple Stripe type. A superior all-around garlic and staff favorite, this variety has a delectable flavor with a mild spice. Persian Star lends itself to baking, roasting or enjoying raw. Uncover the sleek white outer wrappers to reveal beautiful lilac-streaked clove skins. Originally purchased at a bazaar in Uzbekistan.

XG176C PERSIAN STAR

8 oz 1 lb **\$20.95 \$31.95** 

## **SIBERIAN**

Mid-season, Purple Stripe type. A top-notch producer in cold climates, Siberian deserves consideration for all northern gardeners. The cloves are protected by an attractive light pink skin that becomes even redder when grown in high-iron soils. This clean, medium-to-strong flavored garlic will warm your soul on the coldest winter evening. Best of all, it is purported to have high allicin content, possibly the highest of any garlic. Allicin supports normal cholesterol levels, boosts the immune system, and enhances circulation.

XG238C SIBERIAN

8 oz 1 lb 5 lbs **\$20.95 \$31.95 \$114.95** 

## **METECHI**

Mid-season, Purple Stripe type. A powerful hardneck, Metechi delivers robust garlic flavor along with a sharp bite. It's fiery hot raw, finishing with a lasting spice. Cooking will tone down the heat while still holding that big garlic taste. This variety has thick, whitewrapped bulbs that hold 4–6 bulky cloves clothed in blushed skin with purple accents. Exceptionally cold-hardy plants have broad, upright leaves.

XG230C METECHI

8 oz 1 lb \$20.95 \$31.95



# **Elephant**

Allium ampeloprasum Not a true garlic, these enormous bulbs have much milder and sweeter flavor than garlic, as it's related more closely to a leek.

## **Direct Sowing**

Elephant garlic is planted 6–8 inches apart and covered with 4–6 inches of soil. See garlic culture for fertilization and harvest information.

## **ELEPHANT**

Late-season. These huge cloves produce softball-sized heads. The truly impressive plants easily reach 4–5 feet and the flowers dry nicely for arrangements. Remove the flower head to promote larger clove size. Cloves per bulb: approximately 5–7. Cloves per pound: 8–14.

**XG406C ELEPHANT** 

1 lb 5 lbs \$34.95 \$114.95



## NEW Chestnut & Garlic Knife

Don't let the name fool you – this knife does a lot more than score chestnuts and peel garlic! Use it to pit stone fruit and even whittle wood. This compact, lightweight knife features a chestnut wood handle and a short, sturdy stainless steel blade. Perfect for use in the kitchen and while foraging. Made in France.



## **Hemp Planter**

The root-pruning & drainage qualities of ordinary fabric planters with the added benefits of sustainable, biodegradable and compostable material-all in one exceptional product! Our Hemp Planters are roomy enough to accommodate a planting with a very developed root system and perfect for a one-season crop like potatoes, tomatoes, squash and more. With a 9-12 month lifespan, this 40 liter (over 10 1/2 gallon) container is sturdy enough to cultivate the crop and offers easy, no-waste, end-of-the-season cleanup. We especially like it for cultivating potatoes or sweet potatoes; at harvest time, you can just pull apart the planter and throw it in the compost. Measures 14 1/2 inches in diameter and 14 1/2 inches tall.

ZPT720 ...... 1 pot ...... \$24.95

## **CHESNOK RED**

Late-season, Purple Stripe type. This Middle Eastern hardneck comes to us from Shvelisi, Georgia. One of our best all-around cooking varieties because its full-bodied flavor lingers and is retained after cooking. Especially nice choice for baking as it has a very creamy texture. Easy to peel heads are wrapped in very attractive, striped wrappers surrounding pink clove skins. Stores 4–6 months.

XG207C CHESNOK RED

8 oz 1 lb 5 lbs \$20.95 \$31.95 \$114.95

## **PURPLE RUSSIAN**

Mid-season, Marbled Purple Stripe type. This exceptionally reliable garlic produces beefy heads with 6–8, stout cloves. White wrappings cover the heads, and the buff-skinned bulbs are streaked with purple. A warming, mellow flavored garlic that tastes great raw or roasted. It's easy to peel and boasts a long shelf life!

XG328C PURPLE RUSSIAN

8 oz 1 lb \$20.95 \$31.9

## **ROMANIAN RED**

Late-season, Porcelain type. A magnificent garlic in every way, these huge heads contain 4-5 fat cloves with a hot, pungent, long-lasting flavor. The silken skin on the cloves is streaked with purple-red, and the heads are wrapped in creamy white. Excellent storage, too.

XG242C ROMANIAN RED

8 oz 1 lb \$20.95 \$31.9

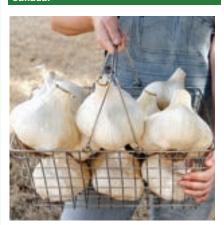
## MUSIC

Mid-season, Porcelain type. In trials at Michigan State University, Music out-produced all others with a harvest of over 13,500 pounds per acre! White skinned with just a blush of pink, this garlic makes big cloves that are easy to peel. The taste is a medium hot, true garlic flavor. Exceptional shelf life for a Porcelain type, Music will store 9 months to a year. Very cold tolerant.

XG223C MUSIC

8 oz 1 lb 5 lbs \$20.95 \$31.95 \$114.95

Garlic is shipped only in the fall—starting in mid-September, depending on the season and the variety. Quantities are limited; order early for best availability. Sorry, not available to Idaho, US Territories, or Canada





Chesnok Red



Purple Russian



Romanian Red



Elephant



Silver White

Inchelium Red



Polish Softneck



Susanville

## Softneck

Allium sativum subsp. sativum Cloves per bulb: Approximately 6-18

Cloves per pound: Approximately 50-90

These varieties produce cloves in several layers around a soft central stem. Approximate cloves per pound can vary based on seasonal conditions and the variety. These easy-to-grow garlics are excellent in the kitchen and usually have the best storage qualities. Great for braiding.

## SILVER WHITE

Late-season, Silverskin type. If reliability, high yield and long storage are what you want in a garlic, then Silver White is the choice for you. This Silverskin thrives in both cold and hot climates, produces beautiful, fat bulbs and stores at least 12 months! Silver White's hefty bulbs are covered with pure white wrappers that make gorgeous, long-lasting braids. Each head holds 15-20 cloves that are protected with red-blushed skins. A mild-flavored garlic, it develops a stronger bite in storage.

XG212C SILVER WHITE

8 oz **\$20.95** 

## INCHELIUM RED



Mid-season, Artichoke type. Inchelium Red is a national taste-test winner in the softneck division. This mild-flavored garlic is great baked. This large, top-quality softneck was discovered on the Colville Indian Reservation in Washington. Stores very well for 6-9 months.

## XG305G INCHELIUM RED ORGANIC

**6** 8 oz **8 oz 8 24.95** 

1 lb \$39.95

## POLISH SOFTNECK



Mid-season, Artichoke type. Introduced into North America around 1900, Polish Softneck is larger than most softnecks and has proven to be one of the most winter hardy. An excellent choice for northern gardeners, but it also performs well in southern regions. This one's for lovers of hot garlic! Even after roasting, when most garlic mellows out, Polish Softneck maintains impressive heat that's not too overpowering. Good choice for braiding.

XG319C POLISH SOFTNECK

8 oz \$20.95 \$31.95 \$114.95

## SUSANVILLE

Mid-season, Artichoke type. Considered an improved selection of California Early. This popular softneck is white skinned with some occasional pink. It's also one of our best varieties for roasting. The mild but true garlic flavor is a hit with all garlic fans. Stores for 6-9 months.

XG325C SUSANVILLE

8 nz \$20.95 1 lb \$31.95

Garlic is shipped only in the fall—starting in mid-September, depending on the season and the variety. Quantities are limited; order early for best availability. Sorry, not available to Idaho, US Territories, or Canada.

## **Garlic Combos**



## FALL GARLIC FESTIVAL

The very best from around the world! A festive selection of mid-season hardneck garlics, including the hardiest Siberian, the spicy Metechi from Georgia, and the exceptional Music from Michigan. Truly a garlic lover's dream, this fall combo consists of three 8-ounce packages of each delicious and long-lasting variety (a savings of \$15.90). Occasional substitutions may occur within the collection.

XG186C FALL GARLIC FESTIVAL three 8 oz pkgs \$46.95

## THE BRAIDING BUNCH

Here's a story of some lovely garlic... Softneck garlics are valued for their extended shelf life, and hanging the whole heads where they receive good air circulation is ideal conditions for garlic storage. It makes good sense to store your softneck garlic harvests in braids, and for this reason we've assembled 3 of our top braidable varieties in this money-saving combo. One order contains 8-ounces each of Polish Softneck, Italian Late, and Susanville. Occasional substitutions may occur within the collection.

## XG404C THE BRAIDING BUNCH

three 8 oz pkgs \$44.95

## **GREAT GARLIC COMBO**

We've made your garlic shopping easy with this combination of two of our most popular and tasty varieties. One each, hardneck and softneck variety, for mouthwatering, scrumptious fresh-from-the-garden flavor and longlasting storability. Each combo consists of 1 package of Music (hardneck) and 1 package of Italian Late (softneck). Our small combo consists of 2 8-ounce packages (a savings of \$6.95), and our large combo consists of 2 1-pound packages (a savings of \$13.95). Occasional substitutions may occur within the collection.

## XG405C GREAT GARLIC COMBO

two 8 oz pkgs two 1 lb pkgs

\$34.95

\$49.95

## **SHALLOT BULBS**

Allium cepa, Aggregatum Group

Bulb Spacing 6-8" Row Spacin

12"

Bulbs per pound: Approximately 15–30, unless otherwise noted.

#### Culture

- See garlic culture on page 17
- Unless otherwise stated, our shallot varieties are adapted to 36–55° latitude

## **Direct Sowing**

 Plant the root ends down and cover with ½ inch of soil and mulch with clean straw or leaves to 4 inches

## **Harvest & Storage**

- Bulbs are ready to harvest when leaves have turned yellow and fall over
- Standard yield for shallots is about 4–5 times the amount planted
- Cure shallots like onions, see onion culture on page 33

## **SHALLOT SEED**

Allium cepa, Aggregatum Group

| Soil Temp.<br>for Germ. | 50-85°F  | Seed<br>Depth     | 1/2"   |
|-------------------------|----------|-------------------|--------|
| Seed<br>Spacing         | 1/2-3/4" | Thin<br>Plants to | 2-4"   |
| Min.<br>Germ.           | 75%      | Seed<br>Life      | 1 year |
| Seeds per<br>½ gram     | ≈ 100    | Grams<br>per ¼ oz | 7      |

Days to maturity are calculated from date of direct seeding.

## Culture

• See onion culture on page 33

Shallot bulbs are shipped only in the fall—starting in mid-September, depending on the season and the variety. Approximate bulbs per pound is 15–30, but this can vary based on seasonal conditions and the variety. Shallots need to be planted shortly after arrival. Quantities are limited; order early for best availability. Sorry, not available to Idaho, US Territories, or Canada.



## **Shallot Bulbs**

Hardy to zone 4.

## SANTÉ

French-type shallots are an essential part of fine cuisine. We recommend the flavorful Santé Shallots. They produce exceptionally high yields and store well. The extra large bulbs are round with brown skin and a pinkish-white flesh. Approximately 10–20 bulbs per pound.

XG409C SANTÉ

1 lb **\$29.95** 

## **FRENCH**

French Shallots are popular with gourmets for the smooth, rich onion flavor they possess. Maturing in late summer, each bulb will have divided to produce a cluster of bulbs ready for fresh cooking, pickling, or making vinaigrette. Stores up to 6 months.

XG414C FRENCH

1 lb 5 lbs **\$29.95 \$89.95** 

## **GRAY**

Allium oschaninii The culinary star! Grays are considered the crème de la crème among shallots for their delicious, umami flavor. Sought out above all other varieties, these fetch the highest prices at market—and for good reason! Although the bulbs tend to run smaller than others, their magnificent flavor and quality in recipes more than makes up for their relatively diminutive size.

XG416C GRAY

1 lb 5 lbs \$32.95 \$109.95

# **Shallot Seed**

## CRÈME BRÛLÉE 🕮

(F1) 115 days. A first-class, award-winning echalion or banana shallot, Crème Brûlée produces elongated, very large bulbs with rich, pungent shallot flavor that's high in natural sugars. The 4 inch long bulbs have burnished rose gold skin and purple ringed-white flesh. These delicious alliums have easy-to-peel skin, making them a pleasure to work with in the kitchen and even more enjoyable at the table. We've found that even if the echalion plants haven't fully lodged prior to harvest, they will still dry down and store excellently.

**ON577C CRÈME BRÛLÉE** 

½ gram 2 grams 1000 seeds \$5.95 \$12.25 \$18.55

## **DAVIDOR**

(F1) 95 days. We've trialed a lot of shallots from seed over the years, and Davidor has proven to be reliably productive, early maturing and particularly well suited for our Pacific Northwest growing conditions. Crops yield beautiful, elongated, pink bulbs with easy-to-peel skins and cream-colored flesh. An intermediate day type that's better adapted than Conservor.

1000 seeds

\$23.75

ON535C DAVIDOR

1/2 gram 2 grams \$5.85 \$14.85



San



French



Gray



Crème Brûlée



Davidor

22 Grains



RED FIFE WHEAT

Red Fife Wheat

(OP) Triticum aestivum (A) This treasured heirloom is a must grow for gardeners who love to bake. It was originally brought to Canada by Scotsman, David Fife, in 1840. When ground as whole wheat flour, it imparts a unique and delectable flavor of herbs, nuts, and spices into breads, pastries, and other baked goods. Its extraordinary taste has earned it a nomination to the Slow Food Ark of Taste and high demand from artisan bakers. Its proven adaptability means it reliably produces in a wide range of climates as well as a spring or fall-planted crop depending on region. We are very proud to offer this precious variety thanks to a local friend and organic farmer here in Oregon. Recommended seeding rate: 50-100 pounds per acre.

## WW4431G RED FIFE WHEAT ORGANIC

**OG** \$1 lb 5 lbs \$28.9

5 lbs 10 lbs \$28.55 \$42.95



Yamhill Soft White Winter Wheat

## YAMHILL SOFT WHITE WINTER WHEAT

(OP) *Triticum aestivum* (A) A dependable producer in the Northwest since the 1960s. Performs better on wet soils than other wheat varieties. Makes great flour for gravies, sauces, biscuits, and cakes. Recommended seeding rate: 3–4 pounds per 1000 square feet; 70–150 pounds per acre.

## WW4437C YAMHILL SOFT WHITE WINTER WHEAT

1 lb 5 lbs 10 lbs **\$6.15 \$18.05 \$28.35** 25 lbs **\$62.85** 



Winter Wheat

## WINTER WHEAT

(OP) *Triticum aestivum* (A) This cool-weather grain is quick germinating, cold tolerant, and has an extensive fibrous root system. Adaptable to a wide range of soils, Winter Wheat is sown in late summer for erosion control and tilled under in early spring to add organic matter. Winter hardy nearly anywhere, and won't go to seed until its second year of growth. Recommended seeding rate: 3-4 pounds per 1000 square feet; 70-150 pounds per acre.

## WW4413C WINTER WHEAT

1 lb 5 lbs 10 lbs 25 lbs \$6.95 \$20.45 \$33.35 \$73.99



Streaker Barley

## STREAKER BARLEY

(OP) Hordeum vulgare (A) A recent development from Oregon State University, where researchers have been focused on breeding barley with no hulls, or naked barley. Hence, Streaker is making the scene! This multicolored blend of 3 pure, 6-row barley lines (white, brown and blue) is excellent for use as whole berries, coarsely ground in a couscous style, finely ground flour, and malted for beer brewing. As a naturally naked grain, the need to remove the hull and much of the nutritional value that goes with it, is eliminated. All the wholesome nutritional value of the whole grain is intact without the work with this exceptional blend. Resistant to stripe rust. Recommended seeding rate: 10-15 seeds per square foot or 100 pounds per acre.

WW4459G STREAKER BARLEY ORGANIC



5 lbs **\$28.45** 

\$42.95

## **GRAINS**

Soil Temp. 45-75°F for Germ.

Days to Emergence 5-15

#### Culture

- Grains require modest levels of nutrition to produce good quality proteins
- Excessive soil fertility will cause lower protein levels and may lead to lodging (heavy heads falling over)
- Winter varieties require cold temperatures in order to produce seed heads (vernalize) in spring; they should be planted in the fall

## **Direct Sowing**

- Plant mid-September through mid-October
- For the smaller-scale grower, broadcast the seed over the surface of the soil and rake in to ensure good soil contact
- $\bullet$  Recommended seeding rate: 3 ½ lbs per 1000 square feet
- Seed can also be drilled at 2 ½ lbs per 1000 square feet—plant 1–2 inches deep
- Mulch with clean straw or leaves to 4 inches

#### Insects & Diseases

- Common insects: aphids, thrips
- Insect control: Pyrethrin
- Common diseases: stripe rust, stem rust, powdery mildew
- **Disease prevention**: plant disease resistant varieties, for powdery mildew use Zonix

## Harvest & Storage

- Both winter and spring varieties of grains are generally ready for harvest in August
- Timing the harvest to ensure optimal moisture level reduces loss to shatter or grain resprouting—seed heads should be dry and resist denting by fingernail (ideal moisture content is 13% or less)
- Small-scale wheat growers can use a hand sickle to harvest—tie into bundles, called "shocks," and stack upright in the field to dry before threshing
- "Hulless" varieties can easily be cleaned by hand-threshing and winnowing; other varieties may require flailing or mechanical threshing
- Store in airtight containers in a cool, dry location
- Complete harvest and storage information included with each order

## **Garden Sickle**

Japanese stainless steel is held in the highest regard, and this hand sickle's comfortable dimensions make its sharp, serrated blade perfect for tasks from harvesting cereal grains and pruning cane berries to simple hand weeding. We found its gentle curve especially useful for select asparagus harvests, cutting stalks an inch below the soil surface without disturbing the surrounding crop. A well-finished wood handle holds the 6 ½ inch blade securely, for a total length of 14 inches.

ZT0978.....\$19.95

## **KALE**

Brassica oleracea, Acephala Group

| Soil Temp.<br>for Germ. | 55-75°F | Days to<br>Emergence | 5-17    |
|-------------------------|---------|----------------------|---------|
| Seed<br>Depth           | 1/4"    | Thin<br>Plants To    | 12-24"  |
| Seed<br>Spacing         | 4-6"    | Row<br>Spacing       | 18-36"  |
| Min.<br>Germ.           | 75%     | Seed<br>Life         | 3 years |
| Seeds<br>per gram       | ≈ 300   | Fertilizer<br>Needs  | Medium  |

Days to maturity are calculated from date of direct seeding.

## Culture

- Kale is a cool-season crop that performs best in spring and fall
- In wet climates, ensure adequate plant spacing to reduce pest and disease issues

## **Direct Sowing**

- Sow June-July
- Cover seed with loose soil, vermiculite, or sifted compost and water evenly

## **Transplanting**

- Start May–July for transplanting June–August
- $\bullet$  Work in  $1\!\!/\!_2$  cup of TSC's Complete fertilizer around each plant

## **Insects & Diseases**

- See Brassica Insect Information on our website
- Common diseases: leaf spot, black rot, fungal diseases, mold, mildew, club root
- **Disease prevention**: dispose of diseased material, proper crop rotation of 3–4 years, apply Zonix for mildews

## **Harvest & Storage**

- Harvest leaves from the bottom up at any size
- $\bullet$  Cool weather and frost brings out best flavor
- Store at 36°F and 95% relative humidity



## PRIZM 👑



(F1) 50-60 days. A compact version of the ever-popular Winterbor. Prizm produces heavily frilled, short-stemmed, green leaves. The smaller-statured plants are sized just right for smaller gardens or container cultivation, and with its quick growth rate, can provide continuous harvests.

## KL387C PRIZM

 ¼ gram
 250 seeds
 500 seeds

 \$4.75
 \$9.45
 \$12.95

## **WINTERBOR**

(F1) 60 days. One of the most winter-hardy kales, Winterbor has finely curled, thick, bluegreen leaves. Very vigorous, it can grow up to 2 feet, developing an abundance of ruffled leaves. A magnificent early spring and late fall kale.

## KL358C WINTERBOR

| ½ gram | 250 seeds | 500 seeds |
|--------|-----------|-----------|
| \$4.95 | \$7.55    | \$12.95   |

## **DAZZLING BLUE**

(OP) 50-60 days. This Oregon-bred variety is a striking twist on the strap-leaf style kales. It sports puckered, brilliant blue-green leaves highlighted with shocking pink midribs. Along with its showy appearance, Dazzling Blue proves to be especially cold tolerant. Bred by Hank Keogh.

## **KL379G DAZZLING BLUE ORGANIC**

| ØG | 1 gram        | 5 grams       | ½ oz          |
|----|---------------|---------------|---------------|
|    | <b>\$4.75</b> | <b>\$8.55</b> | <b>\$17.9</b> |
|    | 1 dram        | Edromo        | 1/- 07        |

## **NERO DI TOSCANA**

(OP) 50 days. This eye-catching lacinato type kale is also known as Black Palm, as it does resemble a palm tree. The dark green leaves are 2–3 inches wide and 10 inches long, and have a blistered/crumply appearance. A melding of cabbage and kale, it is extremely winter hardy, becoming especially sweet after a freeze.

| becoming especia | ally Sweet arter | a rreeze. |  |
|------------------|------------------|-----------|--|
| KL363C NERO DI T | OSCANA           |           |  |
| 1 gram           | 5 grams          | ½ oz      |  |
| \$3.95           | \$6.55           | \$10.95   |  |

## KL363G NERO DI TOSCANA ORGANIC

| \$5.55 \$7.45 \$14.35 | <b>G</b> 1 gram | 5 grams       | ½ oz           |
|-----------------------|-----------------|---------------|----------------|
|                       | \$5.55          | <b>\$7.45</b> | <b>\$14.35</b> |

## **SCARLET**

(OP) 50 days. This gorgeous, frilly-leafed kale is an excellent source of hearty, fresh greens that are packed with antioxidants. In only a month you'll be enjoying tender baby greens, or allow some plants to mature to their full size of 2–3 feet tall and 2 feet wide. Undaunted by cold weather, these sturdy plants become more vibrantly colored as the temperatures drop.

## KL377C SCARLET

| 1 gram | 5 grams | ½ oz    |
|--------|---------|---------|
| \$4.45 | \$8.25  | \$18.85 |

## **REDBOR**

(F1) 50 days. Wow, a completely magenta kale! This vigorous and cold-hardy edible landscape plant is both beautiful and tasty. Mild and crisp, this finely curled kale adds a flash of color to salads. Redbor grows 18–24 inches tall.

## KL359C REDBOR

| CKEDBOK  |           |           |  |
|----------|-----------|-----------|--|
| 1/4 gram | 250 seeds | 500 seeds |  |
| \$5.95   | \$15.30   | \$22.10   |  |

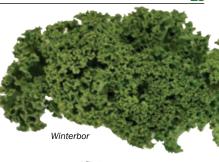
## **IMPROVED DWARF SIBERIAN**

(OP) *B. napus* 50 days. We are impressed with the high marks this variety continues to earn in our kale trials. It maintains a wonderful kitchen-ready quality in the garden long after most other overwintered kales bolt. Frilly, dark green leaves form a cold-tolerant, 24 inch rosette at maturity.

## KL357C IMPROVED DWARF SIBERIAN

| 1 gram<br><b>\$3.85</b> | 5 grams<br><b>\$4.75</b> | ½ oz<br><b>\$6.65</b> |
|-------------------------|--------------------------|-----------------------|
|                         | _                        |                       |
|                         |                          |                       |



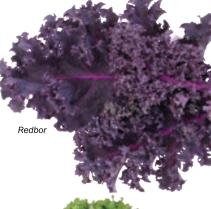




Dazzling Blue









Dwarf Siberian



# Texsel Greens

Black Magic



(OP) B. carinata 60 days. This versatile kale can be used raw as a tasty salad green, or sautéed and added to stir fries and other Asian-inspired dishes. Providing multiple cuttings, the mature leaves have a wonderful, garlic-like flavor while baby leaves are nice and sweet. We recommend harvesting the leaves when they are between 3 and 7 inches.

**KL388C TEXSEL GREENS** 

5 grams 1 gram \$4.85 \$16.95

## SIBER FRILLS

(OP) B. napus 45 days. Deeply cut and super frilled at maturity, the stunning, green leaves are visually spectacular and a mouthfeel sensation! A must-have for the winter garden, cold weather enhances this variety's natural sweetness and unique texture. A truly remarkable introduction by Jonathan Spero at Lupine Knoll Farm, we are continuing to make selections for more uniform production at our research farm.

KL354G SIBER FRILLS ORGANIC



## **BLACK MAGIC**

(OP) 61 days. We love this improved lacinato's uniformity, bolt resistance, and cold tolerance. The vigorous plants produce easy-to-harvest rosettes of deeply savoyed leaves. Growing to 15 inches wide and 19 inches tall, Black Magic yields an abundance of flavorful greens for continuous picking or whole-plant harvest.

| .382C | BLACK  | MAGIC |
|-------|--------|-------|
|       | 1 aram | -     |

| 1 gram | 5 grams | ½ oz    |
|--------|---------|---------|
| \$4.55 | \$8.45  | \$16.95 |

## STARBOR

(OP) 50 days. This delicious blue-green kale selection has a compact habit which is suitable for whole-plant harvests. The uniform plants resist yellowing and retain their superb texture and flavor for a long time in the garden. Provides baby kale, mature leaves for bunching, or continuous picking, even through winter. Can be sown on a windowsill or patio container.

## KL370C STARBOR

| 50 seeds | 200 seeds | 500 seeds |
|----------|-----------|-----------|
| \$3.85   | \$7.35    | \$14.95   |

## **EBONY**

(F1) 62 days. Ebony's compact habit and deeply puckered, thick leaves are a great fit for the late fall and early spring gardens, as the cold-tolerant plants are built for hunkering down under a blanket of snow. At 22 inches tall, they produce a continuous harvest of richly colored, dark slate-blue leaves.

## KL368C EBONY

| 1/4 gram | 250 seeds | 500 seeds |
|----------|-----------|-----------|
| \$3.75   | \$8.15    | \$11.95   |

## **RED RUSSIAN**

(OP) *B. napus* 55 days. Red Russian is considered to be highly nutritious with powerful antioxidant properties. It's also prized for its ability to be eaten as a baby leaf, or if left to fully mature, it maintains its amazing sweet flavor. Purple stems support green leaves that are flat and toothed with purple veins.

## KL365G RED RUSSIAN ORGANIC

\$12.75

## Seed Collections

For over 40 years now we have been in the business of helping self-reliant gardeners grow top performing, nutritious, best tasting fresh-from-the-garden food 12 months of the year. Many of our customers have asked for Territorial's recommendations for seed varieties they should stock up on for their own seed bank and for growing each year as a wellrounded nutritionally balanced food supply they can depend on.



## **Winter Garden Collection**

New to winter gardening, or not sure which varieties to choose? Here is a collection of our favorite, proven, cool-season varieties. A well-rounded and complete combination of crispy greens, spicy mustards, delicious Asian vegetables, and hearty root crops make this an ideal starter kit or the perfect, no-brainer collection for anyone interested in cool-season gardening! Collection includes 20 fall and winter varieties, a desiccant package, and a winter catalog, all in a resealable, watertight bucket.

7VG102\*

\* A SHIPPING WEIGHT 5 POUNDS



## **Territorial's Victory Garden**

We've selected 30 of our best open-pollinated varieties especially suited for providing reliable food production and seed saving options. Knowing how to grow at least a portion of your own seed can be a very rewarding and beneficial aspect of food gardening. Each collection contains 27 vegetable, 2 herb, and 1 sunflower seed packages. For specific varieties, visit our website. All sizes are samplers unless otherwise noted. Sealed in a waterproof plastic bucket with 2 desiccant packages (helps to extend seed life) and a Territorial Seed Company Catalog with valuable growing information.

ZVG100\* ..... \$114.95

\* A SHIPPING WEIGHT 5 POUNDS



## LEEKS

Allium amnelonrasum

| 5   |
|-----|
|     |
| .8" |
| r   |
| um  |
| -   |

Days to maturity are calculated from transplant date.

## Culture

- Leeks are a frost-hardy cool season crop requiring a long growing period
- · Best growth is achieved with fertile, welldrained soil with a pH of 6.0-7.0
- Plant in a trench 5" deep and wide, work in 1/2 cup of TSC's Complete fertilizer per 5 row feet
- Blanch to increase the length of white stem by gradually filling in the trench as the leeks grow

## **Direct Sowing**

See onion culture on page 33

## **Transplanting**

See onion culture on page 33

## **Harvest & Storage**

- Harvest anytime the leeks are ½ inch in diameter or larger
- Store at 36°F and 95% relative humidity



## **Perpetual Garden Seed Collection**

The seeds in this all-inclusive collection comprise of 70 open pollinated seed varieties and 2 cover crops for the most dependable, top-performing varieties available in the world today. Also includes 2 comprehensive books: Susan Ashworth's Seed to Seed for instruction on saving seed; and Gardening When it Counts by Steve Solomon, sustainable gardening guru. Complete with seed saving containers, Mylar food storage bags, desiccant packaging to keep moisture at bay, natural fertilizer for productive crops, plant tags, a permanent marker, and Territorial's Spring and Winter catalogs for valuable information on the seed varieties. All items are in a 5-gallon food storage bucket. A complete list of items can be found on our website: TerritorialSeed.com.

ZVG103\* ..... .....\$389.95

\* A SHIPPING WEIGHT 18 POUNDS



## **OSLO**

(F1) 110 days. A superb, late-maturing leek for overwintering. Oslo boasts easy to clean, stout plants with broad, white shanks and dark blue leaves. Expect a long harvest window, as this crop also shows outstanding resistance to bolting.

## **LK380G OSLO ORGANIC**

100 seeds \$6.85

500 seeds \$25.75

## COMANCHE

(F1) 100 days. Comanche is our first choice especially for Pacific Northwest gardens. It's an adaptable and high-yielding leek for both summer and fall harvest, producing clean, upright plants with long, thick white shanks and dark blue-green leaves. This one is easy to peel and clean, so it's a pleasure to work with in the kitchen.

## LK370G COMANCHE ORGANIC

**6** % gram \$4.95

100 seeds

500 seeds

## BANDIT

(OP) 120 days. Bandit boasts a thick shank with attractive dark blue green foliage. Minimal bulbing makes for a tidy, rail-straight harvest and the very cold hardy plants resist splitting. Mulch well and possibly provide some coverage in northern gardens to enjoy a prolific stand of leeks in all their frost kissed sweetness through winter and into spring.

## **LK374G BANDIT ORGANIC**

500 seeds 1000 seeds **OG** \$3.55 \$7.20

## ZERMATT

(OP) 85 days. This Swiss Giant type is very early maturing for its class. Especially sought after for baby leek production weeks ahead of the listed maturity; try a denser planting, thinning baby leeks as needed until you achieve proper spacing. Left to mature, the disease-resistant, strong-based leeks can hold in the field well into the cool season.

## LK377C ZERMATT

1/8 gram \$2.95 100 seeds 500 seeds \$4.95

## **LEEK SUCCESSION**

(OP) Enjoy nearly year-round leek harvests from this convenient collection. Space a portion of the earlier maturing varieties tightly to enjoy baby leeks less than two months out; as those thin out, along come the mature leeks: Zermatt followed closely by Tadorna. Bandit, the later winter or storage type leek then stands strong, possibly lasting as long as planting time the following spring.

## **LK376C LEEK SUCCESSION**

3 pkgs \$10.95



Comanche





**7ermatt** 



Regency 2.0



Drunken Woman Frizzy Headed



Alkindus



North Pole



Continuity



Nevada

## **Iceberg**

## **REGENCY 2.0**

(OP) 55 days. In our trials, we found Regency 2.0 to be our favorite iceberg for its quick development of dense, sweet, and crisp heads. Plants are disease resistant and medium framed, lending themselves well to closer spacing in smaller gardens. Slow to bolt, Regency 2.0 produced well in a range of weather conditions including the heat of summer. DM. LMV. Tip Burn.

#### LT418C REGENCY 2.0

| \$3.95   | \$8.75     | \$12.75     |
|----------|------------|-------------|
| 1/4 gram | 1000 seeds | 5,000 seeds |

# **Butterhead**

## DRUNKEN WOMAN FRIZZY HEADED 🏋

(OP) 55 days. While we won't even (OP) 55 days. while ... venture to hypothesize where the "drunken woman" part of the name comes from, the "frizzy headed" portion makes much more sense as this unique butterhead forms a savoyed head. Robust 8 inch plants have mint green leaves that are tinged in mahogany red.

#### LT384G DRUNKEN WOMAN ORGANIC

| 96 | ½ gram<br><b>\$4.75</b> | 3 grams | ½ oz   |
|----|-------------------------|---------|--------|
| UG | \$4.75                  | \$7.45  | \$11.9 |

(OP) 65 days. This eye-catching, cabernetcolored butterhead sports slightly ruffled, thick leaves that swirl into an attractive head with a brilliant green heart. Generous plants reach 12 inches wide and 8 inches tall with extended field-holding ability allowing them to maintain prime eating quality and absolutely bitter-free flavor. HR: DM 1-26, 28, 32, Nr 0, TBSV. IR: LMV 1.

## LT471G ALKINDUS ORGANIC

| ØG     | 1/4 gram   | 1000 seeds     | 5,000 seeds    |
|--------|------------|----------------|----------------|
|        | \$4.95     | <b>\$10.35</b> | <b>\$46.50</b> |
| LT471P | ALKINDUS P | ELLETED        |                |
|        | 100 seeds  | 250 seeds      | 1000 seeds     |
|        | \$5.25     | \$8.10         | \$21.95        |

## NORTH POLE

(OP) 50 days. This is one outstanding cold weather performer! North Pole is a sweet, compact, light green butterhead that can be harvested throughout the winter and early

|           |                         | _                | •                   |
|-----------|-------------------------|------------------|---------------------|
| spring.   | In mild region          | ons, plant righ  | nt in the garden    |
| and in    | cooler regio            | ns, place in a   | cold frame.         |
| Imagin    | e the satisfa           | action of servi  | ng a salad at       |
| your ho   | liday dinner            | that came fr     | om your own         |
| backya    | rd. While No            | orth Pole is qu  | uite cold hardy, it |
| tends t   | o bolt quick            | ly in warm we    | ather so plant      |
| out a fe  | ew weeks be             | efore first fros | t.                  |
| LT453G    | NORTH POL               | E ORGANIC        |                     |
| <b>AG</b> | ½ gram<br><b>\$4.75</b> | 3 grams          | ½ OZ                |
|           | \$4.75                  | \$7.45           | \$11.95             |

## CONTINUITY (Y)



## LT391G CONTINUITY ORGANIC

4 grams **\$8.55** 

\$13.85

## LETTUCE

Lactuca sativa

| Soil Temp.<br>for Germ. | 40-80°F | Days to<br>Emergence | 2-15    |
|-------------------------|---------|----------------------|---------|
| Seed<br>Depth           | 1/8"    | Thin<br>Plants To    | 10-16"  |
| Seed<br>Spacing         | 1"      | Row<br>Spacing       | 16-18"  |
| Min.<br>Germ.           | 80%     | Seed<br>Life         | 3 years |
| Seeds<br>per gram       | ≈ 800   | Fertilizer<br>Needs  | Low     |
|                         |         |                      |         |

Days to maturity are calculated from date of direct seeding.

## Culture

- Lettuce performs best in cool weather, 60-70°F, and grows in a wide range of soil types
- For extended harvest, plant every 2-3 weeks
- Lettuce seed can be sown every month from February-October
- A cold frame and cold-hardy varieties can stretch the growing season into the winter
- Apply 1 cup of TSC's Complete fertilizer per 10 row feet, and 1 inch of compost
- 1 gram of seed will sow 30 row feet
- Consistent watering is critical for best results

## **Direct Sowing**

- Use row cover to improve germination and prevent soil crusting
- As soon as 2-3 true leaves have formed, thin loose-leaf types to 10-14 inches apart; icebergs, butterheads, romaines to 12-16 inches apart

## **Transplanting**

• Start indoors 4-6 weeks before anticipated transplant date

## **Insects & Diseases**

- Common pests: aphids and slugs
- Pest control: strong spray of water for aphids or applications of Pyrethrin; baits, traps, or Cabbage Collars for slugs

## **Harvest & Storage**

• While picking individual leaves helps extend the season somewhat, all eventually become bitter as they begin to bolt

# French Crisp/Batavia

## **NEVADA**

48 days. This extremely uniform, 48 uays. This examine, all-green Batavia lettuce performs in all kinds of climates. Nevada has a tall open head with thick, bright, lime green leaves that are crunchy and have a wonderful nutty flavor. Very resistant to tip burn and bolting. DM, LMV.

## LT386G NEVADA ORGANIC

3 grams \$8.75 **6 G** ½ gram **55.35** Key to Lettuce Disease Resistance/Tolerance HR indicates high resistance.

IR indicates intermediate resistance. DM\* **Downy Mildew** 

**Fusarium Wilt** LMV \* Lettuce Mosaic Virus Nr \* **Lettuce Aphid** Pb **Lettuce Root Aphid** Rs **Corky Root TBSV Tomato Bushy Stunt Virus** \* Numbers indicate specific disease race.

## **Romaine**

## **MARSHALL**

(OP) 65 days. Truly different—the deepest, darkest, red romaine that we have trialed. Gazing into the heart of this romaine is like falling into a burgundy abyss. Simply beautiful. Tight, upright heads grow to 8 inches and are held cleanly off the ground. The smooth, succulent leaves have a crisp, clean flavor, without a hint of bitterness.

## LT447G MARSHALL ORGANIC

**ଡିG** ½ gram \$4.75

3 grams \$7.45

## ROSAINE

(OP) 52 days. Our new favorite Little Gem type. Rosaine produces very uniform crops of glossy maroon heads with green, dense hearts. Not only do these 6-7 inch heads look gorgeous, they're succulent and tasty. We love Little Gem types for their compact habit and ability to pack a lot of plants in a tight space. Add superior disease resistance, and this is the variety that will be successful in the garden, coldframe, greenhouse, or hydroponic environment. HR: DM 16-26, 31, 32 (EU), F 1, Nr 0, Pb.

250 seeds

## LT373P ROSAINE PELLETED

100 seeds

1000 seeds

## NEWHAM 1

(OP) 65 days. Outperforming Little Gem in our trials and taste tests, this multi-season lettuce produced perfectly uniform, erect, compact plants. The deep green rounded leaves have a smooth margin, pleated midrib and a sweet, juicy flavor. At 8 inches tall and only 6 inches wide, these plants can be packed tightly into a dense planting or container, and with an extensive disease package, you'll have a healthy, delicious crop any time of the year. HR: DM 16-21, 23-26, 28-32, Nr 0, Pb. IR: LMV 1, Rs.

## LT475G NEWHAM ORGANIC

**6 G 1**/4 gram **\$4.95** 

1000 seeds

5.000 seeds \$46.50

## WINTER DENSITY

(OP) 54 days. Winter Density is an early, compact romaine. Its dark green leaves with an upright growth habit build an 8 inch tall densely packed head. You can count on Winter Density to be delectable, and it holds well at the market, too. Ouite bolt resistant and suited to all sowing dates.

## LT395G WINTER DENSITY ORGANIC



3 grams

\$11.95

## Loose-leaf

## WINTERWUNDER

(OP) 60 days. One of the most winter hardy lettuces we've ever grown. The large, 9-11 inch, light green head provides a lot of food value per plant, plus you'll be eating it further into the season than you ever thought possible!

## LT417G WINTERWUNDER ORGANIC

3 grams **\$7.45** G ½ gram \$4.75

\$11.95

## **BLACK HAWK**

(OP) 55 days. Our darkest, glossiest looseleaf from baby to full-size. This new introduction from Europe eclipsed the loose-leaf lettuce trials with its color and performance. At baby leaf size, Black Hawk sported its signature, deeply pigmented sheen and maintained it throughout its development. Superior to Merlot in texture, color and bolt resistance, it develops deep puckering and darker color after cool temperatures.

## LT412G BLACK HAWK ORGANIC



**∂G** ½ gram \$4.95

3 grams \$8.95

## GREEN SALAD BOWL

(OP) 50 days. We've offered Green Salad Bowl for years because gardeners still love its wonderful mellow flavor. This one is a prime candidate for early spring sowings in a cold frame or even unprotected in the garden. Grows very rapidly for early spring salads and resists bolting when summer arrives. Frilly, deeply cut leaves form large, lime-green rosettes.

## LT394C GREEN SALAD BOWL

| 1 gram |  |
|--------|--|
| \$3.75 |  |

4 grams \$6.35

\$11.95

LT394G GREEN SALAD BOWL ORGANIC

**OG** \$4.75

3 grams

1/2 OZ \$11.95

## BAUER 4

(OP) 55 days. Defying classification, this unique, new introduction forms a nicely packed head of thick, green, oakleaf-shaped leaves. We love how substantial this lettuce is compared to the fragile and delicate texture of traditional oakleaf types. Compact plants offer lots of excellent eating, and the strong disease resistance makes it a garden champ! HR: DM 1-9, Nr 0, TBSV. IR: LMV 1.

## LT411G BAUER ORGANIC



**OG** % gram \$5.95

1000 seeds \$13.45

5.000 seeds \$56.85









Marshall



Rosaine



Newham



Winter Density



Winterwunder

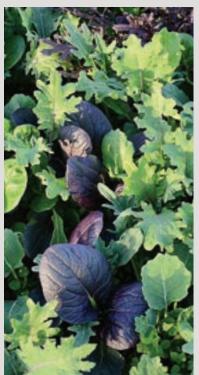
Black Hawk



Bauer Green Salad Bowl

## **Lettuce Mixes & Gourmet Mesclun Salad Blends**

Broadcast seed over a 4 x 4 foot area for a 2-3 month winter harvest. Four grams will sow a 4 x 4 foot area (unless otherwise noted).



Brassica Baby/Braising Mix



Provençal Winter Mix



Lofty Salad Mix



Super Gourmet Blend



Winter Greens Blend



Wildest Garden Mix



Microgreens Blend



Yukon Winter Lettuce Mix

## **BRASSICA BABY/BRAISING MIX**

(OP/F1) 28 days. This colorful, durable, multipurpose blend of brassicas makes a delicious salad mix as baby greens, or allow the plants to grow on for braising greens. Contains a beautiful assortment of purple pak choi, multicolored kales, tatsoi, and collards for lots of texture and flavors from mild and sweet to spicy.

## MS523C BRASSICA BABY/BRAISING MIX

\$5.95 \$12.25

## PROVENÇAL WINTER MIX

(OP) 32 days. This famous mesclun salad blend is composed of 3 colorful, winter-hardy French lettuces—Continuity, Salad Bowl, and Mottistone—as well as Roquette, Corn Salad, Treviso radicchio, Broadleaf Batavian endive, Dark Green Italian parsley and Chervil. This makes a colorful salad mix as well as a wonderful summer garden landscape planting. Add pansies or violas for a celestial treat.

## MS486C PROVENÇAL WINTER MIX

4 grams 1 oz \$6.35 \$20.95

## **WINTER GREENS BLEND**

(OP) 30 days. Unlike delicate leaf lettuces; this assortment of kale, red chard, beet greens, broccoli raab, collards, and dandelion greens can be steamed, simmered, braised, stewed, and sautéed. Whether served on the side or as a main entrée, hardy greens will bring a welcome change to winter meals.

## MS497C WINTER GREENS BLEND

4 grams 1 oz \$6.95 \$21.95

## MILD MESCLUN BLEND

Mild Mesclun Blend

(OP) 30 days. Mild Mesclun Blend provides a diversity of fresh greens for unique salads. The combination of flavors, textures, and colors was chosen to provide an even harvest. Our blend includes kale, red and green leaf lettuces, corn salad, as well as mizuna and tatsoi.

## MS474C MILD MESCLUN BLEND

4 grams 1 oz \$6.35 \$20.95

## **LOFTY SALAD MIX**

(OP) 28 days. A Territorial Seed exclusive! We've blended extra-deeply textured lettuce varieties in a beautiful array of colors for the highest volume mix. Contains green Batavia; ruffled red loose-leaf; and green, red and speckled Romaines.

## LT481G LOFTY SALAD MIX ORGANIC

**6** 4 grams 1 oz **531.9** 

## WILDEST GARDEN LETTUCE MIX

(OP) 30–50 days. This mix is a vast assortment of literally dozens of varieties, including selections of lettuce that remain unnamed and not available anywhere else other than in this unique mix. If you discover a certain selection that you are especially fond of, let a few plants go to seed, and save your own.

## LT432G WILDEST GARDEN LETTUCE MIX ORGANIC



## LT432ST WILDEST GARDEN LETTUCE MIX SEED TAPE

1 tape 3 tapes \$6.95 \$15.95

## MICROGREENS BLEND



(OP/F1) 14–21 days. Microgreens are the highly nutritious first set of leaves from seedlings of gourmet greens. Stands alone with vinaigrette and also makes a stunning bed of greens to set off your culinary creations. Simply sow the Microgreens Mix in a flat or pot filled with soil and harvest the seedlings when their first set of leaves appear. Mix includes arugula, beet, red kale, purple mizuna, radish, and salad burnet. One ounce will sow a 4' x 4' area.

## MS480C MICROGREENS BLEND

4 grams 1 oz \$5.95 \$12.95

## SUPER GOURMET SALAD BLEND

(OP) 48–56 days. A blend of our favorite lettuces in equal quantities: frilly green and red looseleaf varieties contrasted with crispy green romaines. Even as seedlings, their appearance is quite different, and they can be easily thinned to equal proportions in the row.

## LT389C SUPER GOURMET SALAD BLEND

4 grams

## YUKON WINTER LETTUCE MIX

(OP) 50–70 days. We've put together our most durable, cold-hardy varieties in this one exclusive blend. Includes various colored butterheads and the most winter-proven romaines.

## LT410C YUKON WINTER LETTUCE MIX

3 grams

## **GOURMET GREENS**

| Soil Temp.<br>for Germ. | 50-70°F            | Days to<br>Emergence | 2-15   |
|-------------------------|--------------------|----------------------|--------|
| Seed<br>Depth           | 1/4-1/2"           | Thin<br>Plants To    | 6-12"  |
| Seed<br>Spacing         | 1-2"               | Row<br>Spacing       | 16-18" |
| Seeds<br>per gram       | Listed per variety | Fertilizer<br>Needs  | Low    |

Days to maturity are calculated from date of direct seeding (unless otherwise noted).

#### Culture

- Most gourmet greens will tolerate light to moderate frosts with minimal cover
- Plants are most vigorous and the flavors are better when daytime air temperatures are between 60-70°F
- Most greens are best direct sown
- Thin after second set of true leaves
- Apply 1 cup of TSC's Complete fertilizer per 10 row feet, and 1 inch of compost
- Cover seeds with Reemay or Grow Guard 20 to help deter birds and improve germination
- Sow greens every couple of weeks to ensure a continuous supply of young plants

## **Direct Sowing**

• See lettuce culture on page 26

## **Transplanting**

• See lettuce culture on page 26

## **Insects & Diseases**

- Common insects: aphids and flea beetles
- **Insect control**: strong spray of water, or applications of Pyrethrin
- **Disease prevention**: 3–4 year crop rotation, and proper plant spacing allows air circulation to prevent molds

## Harvest & Storage

- Harvest greens frequently and when young
- As with all greens, a rinse in cold water will help preserve the flavor and texture

## **Fennel**

## **VICTORIO**

(F1) Foeniculum vulgare 75 days fall harvested. This short-day overwintering type of fennel is delicious braised, grilled, in au gratin, or raw in salads. The fresh anise flavor moderates somewhat when cooked. The large, round, white bulbs elongate slightly in northern areas. Bred for winter and spring harvest. Approximately 40 seeds per ½ gram.

MS506C VICTORIO

1/4 gram 2 grams 1/4 oz \$3.95 \$8.55 \$21.95

## **Miner's Lettuce**

Sow May-August. Contains more omega 3 fatty acids than any other leafy vegetable!

# **Chicory**

Full-sized heads lose their bitterness and gain sweetness. Sow in July and transplant in August. Radicchio days to maturity are calculated from date of transplant.

## Radicchio Cichorium intybus

## **FENICE CASTELFRANCO**

(OP) 65 days. Light green, serrated-edged leaves are speckled in splashes of ruby and wrap to form tight, dense heads that unfurl into knockout rosettes with a pleasant, mildly bitter flavor. The plants reach 11 inches tall and 16 inches wide and hold up extremely well in the field. Approximately 160 seeds per ½ gram.

MS525G FENICE CASTELFRANCO ORGANIC

**6** 4 gram 2 grams 1/4 oz **\$4.35 \$8.40 \$19.95** 

## **LEONARDO**

(F1) 81 days. Add a dazzling color combination, crisp texture, and a sweet-bitter flavor to enhance your cool-weather salads. Dense, round, 4–5 inch heads have brilliant red leaves with pearly white midribs. Leonardo is very quick to size up and is a great choice for late summer and fall plantings, as the best tasting and most colorful crops mature in cooler temperatures. Approximately 80 seeds per 1/2 gram.

## MS483G LEONARDO ORGANIC

## **NETTUNO SUGARLOAF**

(OP) 80 days. This sugarloaf produces dense, teardrop-shaped heads of sweet, succulent greens balanced with a light touch of bitter. We're fond of sugarloaf types, and this one is the most productive with the most well-filled, dense heads of all the varieties we tried. Best when sown in July for harvest beginning late October. The uniform, sturdy crops hold well in the field into December. Approximately 120 seeds per 1/4 gram.

## MS524G NETTUNO SUGARLOAF ORGANIC

**OG** \$4.35 \$8.40 \$19.95

## **Endive**

## BENEFINE

(OP) Cichorium endivia 75 days. This Tres Fin type endive flaunts dense heads of finely cut leaves. The frost-hardy plants reach 5 inches tall and a broad 13 inches across with emerald leaves that blanch to a creamy heart. The crop has very good field-holding capacity and remains less bitter than other endives in its class. Approximately 150 seeds per ½ gram.

## MS518G BENEFINE ORGANIC

## **MINER'S LETTUCE**

(OP) Claytonia perfoliata 42 days. This annual green is high in vitamin C and native to many moist areas of the country. Probably the most cold tolerant of the greens, Miner's Lettuce will grow year-round in the cloche, greenhouse, or even unprotected in the maritime Northwest. Quickly regrows after harvest. Approximately 525 seeds per 1/4 gram.

## MS499C MINER'S LETTUCE

1/4 gram 2 grams 1/4 oz \$4.45 \$7.60 \$17.75



Fenice Castelfranco



Leonardo



Nettuno Sugarloaf



Benefine



Victorio



Miner's Lettuce



Uber



Balboa



Speedy



Roquette



Dragon's Fire



## **Arugula**

All of our arugula varieties are annuals.

## Salad Arugula Eruca spp.

#### **UBER**

(OP) *E. vesicaria* 21 days baby, 40 days full size. Enjoy the tingly flavor of this easy-to-grow and harvest arugula in as little as 3 weeks from sowing. Uber is dressed up like a wild arugula, but its flavor is all salad. From baby leaf to full size, its thick, tender bite will keep your salads and sandwiches overflowing with fresh greens and lots of flavor. Approximately 300 seeds per ½ gram.

| ½ gram | 4 grams | 1 oz    |
|--------|---------|---------|
| \$3.85 | \$5.55  | \$10.95 |

## **BALBOA**

(OP) *E. vesicaria* 28 days. A very vigorous and early-maturing arugula, the upright, uniform plants produce lots of flavorful, crunchy leaves for delicious additions to salads. The adaptable plants are also very bolt tolerant and well suited for both in-ground and hydroponic cultivation. Approximately 200 seeds per ½ gram.

## MS527C BALBOA

| ½ gram | 4 grams | 1 oz   |
|--------|---------|--------|
| \$3.85 | \$5.35  | \$7.95 |

## **SPEEDY**

(OP) *E. vesicaria* 30 days. Speedy's serrated, bright green leaves have the shape of wild arugula, but the mild peppery pungency of salad arugula. It's also the fastest of its type to mature and is especially recommended for late autumn, winter, and early spring cultivation. Approximately 400 seeds per gram.

| MS4 | 88C | SPE | EDY |
|-----|-----|-----|-----|

|          | 1 gram    | 4 grams     | 1 oz    |
|----------|-----------|-------------|---------|
|          | \$3.95    | \$5.85      | \$12.95 |
|          | 8ST SPEED | Y SEED TAPE |         |
|          | 1 tape    | 3 tapes     |         |
| <u> </u> | \$6.95    | \$15.95     |         |

## **ROQUETTE**

(OP) *E. vesicaria* subsp. *sativa* 30–40 days. Can be sown from early spring through late fall. Frost-hardy and easy to grow. Long, dark green, broad, arrow-shaped leaves form a loose, open bunch. Grows 12–18 inches tall before bolting. Not bitter, this salad green has a jazzy, distinctive flavor. Approximately 550 seeds per gram.

## MS473C ROQUETTE

|       | 1 gram<br><b>\$3.85</b> | 4 grams<br><b>\$5.25</b> | 1 oz<br><b>\$6.95</b> |  |
|-------|-------------------------|--------------------------|-----------------------|--|
| MS473 | G ROQUETT               | E ORGANIC                |                       |  |
| ØG    | 1 gram<br><b>\$4.45</b> | 4 grams<br><b>\$5.55</b> | 1 oz<br><b>\$7.95</b> |  |



# Wild Arugula

Diplotaxis tenufolia

## **DRAGON'S FIRE**

(OP) 45–55 days. An exciting, new, wild variety with flaming red veins highlighting deeply lobed, dark green leaves. A descendant of Red Dragon, Dragon's Fire spices up mixed salads with its contrasting color, shapely form, and delicious, zesty flavor. Crops are uniform and vigorous for year-round harvests. Approximately 1250 seeds per ½ gram.

## MS471C DRAGON'S FIRE

| ½ gram | 4 grams | 1 oz    |
|--------|---------|---------|
| \$4.55 | \$8.65  | \$19.95 |

## **BELLEZIA**

(OP) 35–50 days. An arugula of distinction, Bellezia boasts tasty, dark green, deeply serrated leaves that stay clean on upright plants. Resists bolting for a longer harvest window and easily shrugs off Downy Mildew. Start cutting tender, baby greens at 35 days, and whole-plant harvest at 50 days. Approximately 1600 seeds per ½ gram.

## MS502G BELLEZIA ORGANIC

| 96 | ½ gram<br><b>\$4.95</b> | 4 grams | 1 oz    |
|----|-------------------------|---------|---------|
| UG | \$4.95                  | \$7.95  | \$17.75 |

## Corn Salad (Mâche)

Valerianella locusta

## **ÉTAMPES**

(OP) 50 days. In trials, Étampes with its dark green, spoon-shaped leaves was shown to bear frosts and freezes better than other varieties, and stood reliably well in the garden into spring. Seed is from Switzerland. Approximately 500 seeds per gram.

## MS492G ÉTAMPES ORGANIC

| ØG | 1 gram        | 4 grams | 1 oz           |
|----|---------------|---------|----------------|
|    | <b>\$3.75</b> | \$5.95  | <b>\$16.45</b> |
|    |               |         |                |

## VIT

(OP) 50 days. Only a green with a glowing reputation could earn as many names: Corn Salad, Lamb's Lettuce and Mâche. We offer Vit for spring or fall planting, and consider it one of the most delicious and substantial salad greens around. Leaves are succulent, firm, and dark green. Approximately 650 seeds per gram.

## MS503C VIT

| \$3.85 | \$5.95 | \$14.35 | \$42.90 |
|--------|--------|---------|---------|
|        |        |         |         |

## Check out our seed tape!

Perfectly straight rows of precisely spaced crops are at your fingertips.

Visit TerritorialSeed.com for our seed tape.



Étampes

## **MUSTARDS**

Brassica spp.

| Soil Temp.<br>for Germ. | 40-75°F | Days to<br>Emergence | 2-15    |
|-------------------------|---------|----------------------|---------|
| Seed<br>Depth           | 1/4"    | Thin<br>Plants To    | 6-18"   |
| Seed<br>Spacing         | 1"      | Row<br>Spacing       | 9-18"   |
| Min.<br>Germ.           | 80%     | Seed<br>Life         | 3 years |
| Seeds<br>per gram       | 450     | Fertilizer<br>Needs  | Medium  |

Days to maturity are calculated from date of

## Culture

- . Mustard greens are easy crops to grow if planted in early spring or late summer
- Mustards are best directly sown

## **Direct Sowing**

- Sow July-August
- Make a furrow 6 inches deep and sprinkle ½ cup of TSC's Complete fertilizer per 10 row feet in the bottom of the furrow
- · Backfill the furrow and plant the seed
- Thin after second set of true leaves

## **Transplanting**

- Start July-August for transplanting August-September
- Use 1/4 cup of TSC's Complete fertilizer around each plant

## Insects & Diseases

- Common insects: flea beetles
- Insect control: Pyrethrin, silver mulch, or row covers at planting
- Disease prevention: 5-7 year crop rotation

## WILD GARDEN MUSTARDS

(OP) 30 days. Look for this fast growing mix to cover the full spectrum of colors, shapes, and flavors. Growing lime green, red-veined, solid purple, and more, the leaves range from flat and smooth to savoyed and puckered. Fleshy stems encompass flavors from the most mild to fiery hot.

MU527G WILD GARDEN MUSTARDS ORGANIC



4 grams \$7.45 ½ oz \$11.95

## GREEN WAVE



(OP) B. juncea 50 days. Green Wave has been a favorite American mustard (or tendergreen) for many years. Popular with gardeners for its upright plant habit, it grows to 2 feet and has a dark green, heavily curled leaf. An excellent producer, Green Wave resists bolting, so it can be grown mid-summer. Mild and succulent in all dishes.

## MU524C GREEN WAVE

4 grams

## TAH TSAI TATSOI

(OP) B. rapa, Perviridis Group 40-50 days. This beautiful, dark green tatsoi forms a 6 inch rosette that is very mild and easy to grow. Sow seed spring through fall. Glossy, spoon-shaped leaves are a treat in salads, stir-fries, or steamed.

## MU528C TAH TSAI TATSOI

4 grams \$5.55 \$8.95

## **GREEN GIANT**

(F1) B. rapa, Perviridis Group 45 days. Picture a melding of a tatsoi mustard and a pak choi, and you'll have an idea of the essence of Green Giant. This exceptional variety produces large, spoon-shaped leaves in silky emerald with wide stems. An ideal selection for dense plantings so you can selectively harvest baby greens while allowing a portion of the plants to reach full size. Astoundingly bolt-resistant, Green Giant provides a seasonlong harvest of tender, mildly spiced leaves.

## MU525C GREEN GIANT

4 grams 1/2 gram \$3.95

## AMARA ETHIOPIAN KALE 🍸

(OP) B. carinata 40 days. We fell for this unusual leafy green immediately after the first bite. The hearty leaves have a very complex flavor with overtones of spice and garlic. Great for picking at the baby size in under 3 weeks, or waiting for fully grown leaves. Amara makes a delicious salad mix, standalone raw or lightly cooked. An extra cold-tolerant crop. Approximately 300 seeds per gram.

## **MU540C AMARA ETHIOPIAN KALE**

| 1 gram | 4 grams | 1 oz   |
|--------|---------|--------|
| \$4.25 | \$5.65  | \$8.95 |

## **FRIZZY**

(OP) B. juncea These sibling mustards are a very attractive pair of deeply toothed and super wavy greens with a pleasant, mild mustard flavor. Plant them both for the striking contrast of Joe's bright green to Lizzy's purple and the added loft and spice to salad mixes. Terrific for baby leaf mixes, but the mature plants have great field-holding and bolt resistance for a long harvest window of full-sized leaves.

FRIZZY JOE - 27 days (baby leaf) FRIZZY LIZZY - 21 days (baby leaf) MU533C FRIZZY JOE MU534C FRIZZY LIZZY

½ gram 1 oz **\$12.60** \$3.85

## **WASABINA**

(OP) B. juncea 40 days. The bracing spice of wasabi is one of our very favorite flavors, and we've found that taste once again in this extraordinary mustard. Wasabina's extremely frilly, serrated leaves offer a great textural addition to dishes, and its mild, sweet spice is absolutely delicious. Fully grown, these cold-tolerant plants reach 10 inches tall and wide and are among the last of the mustards to bolt in our winter trials.

## MU539C WASABINA

4 grams



Tah Tsai Tatsoi



Green Giant



Amara



Frizzy Lizzy & Frizzy Joe



Wasahina



Wild Garden Mustards

Emiko

Wa Wa Tsai

# Ewok



Bopak



Ching-Chiang

## **Chinese Cabbage**

## **EMIKO**

(F1) 60 days. For a uniform cabbage that's tipburn resistant, early maturing, reluctant to bolt in the summer, and has good field holding, look no further than Emiko. This organic Chinese cabbage grows in an upright barrelshape 10 inches tall and has a soothing light yellow heart. HR: F, PB.

## OV595G EMIKO ORGANIC

## **WA WA TSAI**

(F1) 64 days. The earliest and most true mini Napa cabbage. Wa Wa Tsai reaches only 9 inches tall and 5 inches wide, has a barrel-shaped, dense head with a sweet, tender crunch. The uniform crops show good field holding for an extended harvest window. A great choice for single-serving and dense plantings in smaller garden spaces. Tolerant to tipburn. HR: PB.

## OV592C WA WA TSAI

| 1/4 gram | 1 gram | 1000 seeds |
|----------|--------|------------|
| \$3.85   | \$6.85 | \$13.55    |

## **Pak Choi**

## **NEW** EWOK

(F1) 30–35 days. This compact pak choi has improved, dark green leaves on green stems. It boasts an upright plant habit and good bolt resistance while offering higher yields than older varieties. Grows well in spring and summer. Harvest early for multi-head bunching or let the plants grow larger for the standard three-head bunches.

## OV596C EWOK

| 1 gram | 1000 seeds | 5,000 seeds |
|--------|------------|-------------|
| \$4.95 | \$9.95     | \$29.95     |

## ВОРАК

(F1) 40 days. Bopak produces picture-perfect heads of baby pak choi. Allowed to grow, it will continue to rapidly develop into a compact, upright, full-sized plant with 8 inch tall heads that measure 4 inches across. The tender, fleshy leaves are crisp and flavorful with wide, glossy ivory stems topped with deep green. Bopak is remarkably bolt resistant and is the first pak choi to earn an AAS award. HR: PB.

| V589C BOPAK |         |
|-------------|---------|
| ½ gram      | 2 grams |

| \$4.35          | \$7.75  | \$10.75    |
|-----------------|---------|------------|
| OV589G BOPAK OF | RGANIC  |            |
| 64 OF           | 2 grams | 1000 seeds |

1000 seeds

## **CHING-CHIANG**

(OP) 40 days. This early, dwarf pak choi is sturdier and stockier than most dwarf varieties. Ching-Chiang has smooth, medium green leaves and thick petioles that have a wonderful mild flavor, are tender, and have very few strings. Ching-Chiang was bred to be tolerant of heat, rain, cold, and dampness, making it a great choice for early spring, late summer and fall planting.

## 0V578C CHING-CHIANG

| \$3.65                  | \$5.6U                   | \$9.95                 |
|-------------------------|--------------------------|------------------------|
| 1 gram<br><b>\$3.85</b> | 4 grams<br><b>\$5.60</b> | 1 oz<br><b>\$9.9</b> 5 |
|                         |                          |                        |

## **CHINESE CABBAGE**

Brassica rapa, Pekinensis Group

|                         | <b>,</b> , | <u> </u>             |         |
|-------------------------|------------|----------------------|---------|
| Soil Temp.<br>for Germ. | 45-75°F    | Days to<br>Emergence | 2-15    |
| Seed<br>Depth           | 1/4"       | Thin<br>Plants To    | 12-18"  |
| Seed<br>Spacing         | 1"         | Row<br>Spacing       | 18-36"  |
| Min.<br>Germ.           | 75%        | Seed<br>Life         | 3 years |
| Seeds per<br>½ gram     | ≈ 125-175  | Fertilizer<br>Needs  | Medium  |

Days to maturity are calculated from date of direct seeding.

#### Culture

- Chinese cabbage is a cool season crop that performs best in spring and fall in a wide range of soil types
- Young plants exposed to temperature fluctuations can result in bolting
- Apply 1 cup of TSC's Complete fertilizer per 5 row feet, and 1 inch of compost

## **Direct Sowing**

Sow July—mid-August

## **Transplanting**

• Start June to mid-July and set out when there are 4–5 true leaves

## **Insects & Diseases**

- **Common insects**: flea and cucumber beetles, slugs, earwigs
- **Insect control**: Pyrethrin or row covers at planting, Cabbage Collars for slugs
- **Disease prevention**: 5–7 year crop rotation

## **Harvest & Storage**

- Harvest heads as soon as mature to avoid bolting
- Store at 36°F and 95% relative humidity

## **PAK CHOI**

Brassica rapa, Chinensis Group

Seeds per ≈ 63-90 1/4 gram

## **Transplanting**

- Start July-August for transplanting August-September
- Refer to the Chinese cabbage culture box

## **Garden Ninja**

The weed eraser!
The thin, high tensile stainless steel blade slices effortlessly through packed soil, cutting weed roots off underground. Great for any garden bed, it is especially handy for weeding tight spaces like planters, window boxes, raised beds, and



between rows. The large opening leaves soil in place. The efficient design allows you to cultivate near existing plants without damaging their roots. Total length is 12 inches. ZT0962......\$19.95

## ONIONS

Allium cepa

| Soil Temp.<br>for Germ. | 50-75°F  | Days to<br>Emergence | 6-16   |
|-------------------------|----------|----------------------|--------|
| Seed<br>Depth           | 1/8-1/2" | Thin<br>Plants To    | 2-7"   |
| Seed<br>Spacing         | 2-4/inch | Row<br>Spacing       | 12-24" |
| Min.<br>Germ.           | 75%      | Seed<br>Life         | 1 year |
| Seeds per<br>½ gram     | ≈ 100    | Fertilizer<br>Needs  | Medium |

Days to maturity are calculated from date of direct seeding.

#### Culture

- Onions are photoperiodic plants they regulate their stages of growth by day length
- . Onions will make top growth until the critical light duration is reached, then bulbing begins
- The amount of growth and development prior to bulbing will determine the bulb size
- Long-day varieties do well in northern states where summertime day length is between 14-16 hours
- Short-day varieties do well in southern states and bulb when day length is 10-12 hours; they won't get very large in northern states
- Dividing line between short-day and long-day varieties is generally accepted as 36° latitude, roughly along the Kansas/Oklahoma border
- Day-neutral and intermediate-day varieties start bulbing when day length is 12-14 hours; can be successfully grown anywhere
- Onions prefer light, sandy, loamy soils
- Apply <sup>1</sup>⁄<sub>4</sub>−<sup>1</sup>⁄<sub>2</sub> cup TSC's Complete fertilizer per 5 row feet, 1-2 inches below transplant or seed
- When regrowth begins in the spring, fertilize with 1 cup of TSC's complete fertilizer around the roots for each 10 row feet

## **Direct Sowing**

• Thin to the strongest plant when 4-5 inches

## **Transplanting**

- Sow up to 10-12 seeds in a 4-6 inch pot
- If tops reach over 5 inches before transplant, cut to 3 inches
- When planting out carefully separate the seedlings and place in a shallow trench
- Fill trench around seedlings and water in well

## **Insects & Diseases**

- Common insects: onion thrips and maggots
- Insect control: Pyrethrin, Predatory Nematodes (see page 55)
- Common diseases: Fusarium basal rot, pink root
- Disease prevention: 5-7 year crop rotation

## **Harvest & Storage**

- For scallions: harvest when pencil size or larger, wash and trim roots, store in a bag at 36°F and 95% relative humidity
- As bulbs approach maturity, withhold water so protective paper can form
- After about half the tops have fallen, push over the remainder; wait about 1 week, then harvest
- Cure in a warm (75-80°F), shaded, well-ventilated location until outer skin and necks are dry, then trim tops, leaving one inch above the bulb
- Store in a cool, dry, well-ventilated area
- Check occasionally and immediately remove any sprouting or rotting onions

Sow seed at the beginning of August. Once they are large enough, around mid-October, transplant into the garden. You can harvest green onions until April. In May they will begin to bulb and will be ready to harvest as dried down bulbs by mid to late-June.

## **NEW BAROLO**

(F1) 110-120 days. A great addition for gardeners in the north, Barolo is an early to mid-season onion. The globe-shaped bulbs are an attractive dark red on the inside and shiny on the outside. Adaptable to a variety of irrigation methods and strong against root diseases. Long-day variety. Can be stored for up to 3-4 months.

#### ON578C BAROLO

| 250 seeds | 1000 seeds | 5,000 seeds |
|-----------|------------|-------------|
| \$5.95    | \$9.85     | \$38.95     |

## NEW BAGGI

(F1) 110-120 days. This vigorous yellow onion is a great choice for those hoping to grow onions in the north. Plants are high yielding with strong roots. Late maturing and can be stored 9 months. Long-day variety. F.

## ON579C BAGGI

1000 seeds 250 seeds 5,000 seeds \$9.85 \$38.95

## **RED SPRING**

(F1) 250 days. Red Spring's wine-red shade makes it one of the most attractive onions we've grown. It produces crops of uniform, round globes with glossy, tightly wrapped skin and colorful interiors. Our early June harvest lasted well into fall. Storage type. Intermediate, short-day variety. IR: F, PR.

## **ON562C RED SPRING**

| ½ gram        | 2 grams       | 1000 seeds     |
|---------------|---------------|----------------|
| <b>\$4.95</b> | <b>\$7.95</b> | <b>\$13.75</b> |
| 1/2 dram      | 2 drame       | 1000 coods     |

## **HI-KEEPER**

(F1) 230 days. A vigorous, large onion with firm bulbs and a mild flavor. These very uniform globes have white flesh and smooth, golden tan skin. Exceptional performance even under less-than-ideal conditions and strong disease resistance mean reliable harvests especially in the Pacific Northwest. Storage type. Intermediate, short-day variety. **ON556C HI-KEEPER** 

| ½ gram | 2 grams | ½ oz    |
|--------|---------|---------|
| \$3.95 | \$7.75  | \$31.95 |

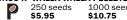
## WALLA WALLA

(OP) 125 days when spring sown. When fall sown and allowed to overwinter, the round globes often attain a 5-6 inch diameter. For those of you in harsher climates, this onion can be spring sown. Start them early and transplant out as soon as the soil can be worked. The bulbs will be smaller, 2 1/2-3 inches across, but they'll have the same sweet flavor. Sweet type; stores 1-2 months. Long-day variety.

## **ON554C WALLA WALLA**

| 1 gram | 4 grams | 1 oz    |
|--------|---------|---------|
| \$4.15 | \$6.95  | \$14.95 |

#### **ON554P WALLA WALLA PELLETED** 250 seeds 1000 seeds





Rarolo





Red Spring



Hi-Keeper



Walla Walla

# C-86.

Marksman

Red Baron

Ramrod



Apache

# **Scallions/Bunching**

Sow from early spring to summer and even into the fall. July sowings can be harvested in the winter and early spring. Scallions are extremely cold tolerant.

## MARKSMAN

(OP) 41 days. A new interspecific salad onion that's non-bulbing with reduced pungency. Dark green foliage, clean, easy-to-peel shanks, and delicious flavor add up to a winning salad onion. Marksman's well-developed root systems keep the strong plants clean and upright. An excellent selection for both spring and autumn slots.

## ON555C MARKSMAN

| \$4.25 | \$6.55  | \$11.95 |
|--------|---------|---------|
| 1 gram | 4 grams | 1 07    |

## **RED BARON**

(OP) 60 days. An extremely versatile red onion that maintains its vibrant burgundy color at all stages of growth. When planted in the summer, Red Baron can be harvested in the early fall as a scallion. When plants reach 12–14 inches tall, they will start forming small bulbs that are mild flavored and wonderful in salads or pickled. Long-day variety.

| TTO KED DAKOK |         |         |
|---------------|---------|---------|
| ½ gram        | 2 grams | ½ oz    |
| \$3.75        | \$5.95  | \$27.95 |

## **RAMROD**

(OP) 55 days. This salad onion was bred for both spring and autumn cultivation. Ramrod has a deliciously bold flavor, bright white bulbs and strong, dark green leaves. Probably one of the most versatile scallions you could grow as it is also very winter hardy when fall planted for spring salads.

|          | 1 gram<br><b>\$3.85</b> | 4 grams<br><b>\$6.35</b> | 1 oz<br><b>\$11.95</b> |
|----------|-------------------------|--------------------------|------------------------|
|          | SST RAMRO               | D SEED TAPE              |                        |
|          | 1 tape                  | 3 tapes                  |                        |
| <u> </u> | \$6.95                  | \$15.95                  |                        |

## **APACHE**

(OP) 65 days. A delicious, mild-flavored salad onion with a vibrant purple base that colors up early in the season to add a bright and tasty splash to salads and sandwiches. Fall planted crops will grow slowly over the winter and eventually form a pink, elongated bulb that's easy to peel.

## ON569C APACHE

| ½ gram        | 4 grams       | 1 oz           |
|---------------|---------------|----------------|
| <b>\$3.65</b> | <b>\$5.95</b> | <b>\$10.95</b> |

## **WALKING ONIONS**

Allium cepa, Proliferum Group

Egyptian onions, also known as tree or walking onions, are very hardy perennials. These fascinating onions form several small bulbs underground, plus they produce clusters of reddish hazelnut-sized bulblets at the top of each seed stalk. Normal flowers do not occur.

#### **Planting**

Plant bulblets 5–6 inches apart, 1 inch deep, in rows spaced 12 inches apart.

## Insects & Diseases

Refer to onion culture on page 33.

## **Harvest & Storage**

Once Egyptian onions have established themselves, you can harvest both the bulbs at the base of the plant and the bulblets at the top of the stems. If left untended, you will understand the term "walking onion", as the onion stalks will bend down to the ground allowing the bulblets to take root by themselves. In more severe climates, the bulbs should be stored and replanted in the spring. Refer to onion culture on page 33 for curing and storage.





Egyptian Walking

## **EGYPTIAN WALKING**

250 days, fall planted. These true Egyptian topsetting onions are a smaller relative of the Catawissa onion. The topsets are a distinctive red color. A prolific producer of delicious green onions that you can harvest twice a year. Approximately 10–20 bulblets per ounce, but this can vary based on seasonal conditions.

## XG429C EGYPTIAN WALKING

1 oz **\$19.95** 

Walking onions are shipped only in the fall—September through mid-October, depending on the season. Order early for best availability. Sorry, not available to Idaho, US Territories, or Canada.

## PEAS

Pisum sativum

| Soil Temp.<br>for Germ. | 45-75°F  | Days to<br>Emergence | 8-25    |
|-------------------------|----------|----------------------|---------|
| Seed<br>Depth           | 1-1 1/2" | Thin<br>Plants To    | N/A     |
| Seed<br>Spacing         | 1"       | Row<br>Spacing       | 18-24"  |
| Min.<br>Germ.           | 80%      | Seed<br>Life         | 2 years |
| Seeds per<br>ounce      | ≈90-165  | Fertilizer<br>Needs  | Low     |

Days to maturity are calculated from the date of direct seeding

## Culture

- Peas are a hardy cool-season crop that can be grown in a variety of soil types
- Side dress plants with 1 cup of TSC's Complete fertilizer and ½ cup bone meal per 10 row feet
- Climbing varieties should be trellised
- Most bush-type vines can be supported on a short trellis or allowed to grow as a mound
- · Environmental stress, such as prolonged hot weather or lack of moisture, will reduce yields
- Extend your harvest through multiple sowings

## **Direct Sowing**

- Sow peas in July for a fall crop
- In mild climates you can overwinter
- Cool temps lead to slow and erratic germination

## **Insects & Diseases**

- Common insects: pea aphid
- Insect control: Pyrethrin should be applied at seedling stage if leaf scalloping is observed
- Common diseases: Fusarium wilt (also called pea root rot), powdery and downy mildews, and pea enation mosaic virus (more common in Northwest and Northeast areas)
- Disease control: Zonix
- Disease prevention: 3-4 year crop rotation

## **Harvest & Storage**

- For snap and shelling peas, start checking for maturity as soon as the pods begin to swell
- Harvest frequently to keep plants producing
- If left on the vine too long, the peas become starchy and the pods become tough
- Store at 36°F and at 95% relative humidity

## **MAESTRO**

(OP) 60 days. Maestro allows multiple pickings, and it is easy to see which pods are ready since they tend to stick out on the plant. Long, thin pods contain 8-9 medium-sized, sweet, tender peas. High yielding. Grows to 22 inches. PEMV, PM.

## PE619C MAESTRO

| 1 oz   | 3 oz   | 1∕2 lb |
|--------|--------|--------|
| \$3.45 | \$4.85 | \$9.35 |

# Snap

## SUGAR ANN 👑



(OP) 55 days. An early and easy-to-grow snap pea. The non-climbing, dwarf vines set an abundant harvest of 2 1/2 inch long, medium-green pods with a sweet, effervescent flavor. Best of luck getting any to the kitchen since they might all be consumed fresh in the garden.

## PE621G SUGAR ANN ORGANIC

G 1 oz \$4.30 2 1/2 lbs \$6.35 \$12.65

# **Shelling**

## LINCOLN (Y)



(OP) 67 days. This treasured English heirloom, also called Homesteader, is still regarded by many as the sweetest shelling pea available. Expect impressive yields and heat tolerance, even from late plantings. The easy-shelling 3-4 inch pods fill out nicely with tender green peas, unmatched for fresh eating. Sturdy, wilt-tolerant plants can reach 30 inches with little assistance, but yield best if staked. F.

## PE637C LINCOLN

| 1 oz          | 3 oz          | ½ lb          | 2 ½ lbs        |
|---------------|---------------|---------------|----------------|
| <b>\$3.45</b> | <b>\$4.65</b> | <b>\$7.95</b> | <b>\$21.75</b> |
| 5 lbs         | 25 lbs        |               |                |

## SIENNA W

(OP) 63 days. Sienna is a superstar, proving to be the highest yielding shelling pea in our trials! Pea season can't get here fast enough, but this amazing performer offers up a very fast crop of multiple, dark green pods per node on 18-24 inch vines. Open the blunt, 3 inch pods and enjoy the first, sweet, plump, green peas of the season! F 1-2. PM.

## PE631C SIENNA

| 1 oz                    | 3 oz          | ½ lb          | 2 ½ lbs        |
|-------------------------|---------------|---------------|----------------|
| <b>\$3.40</b>           | <b>\$4.35</b> | <b>\$7.95</b> | <b>\$21.75</b> |
| 5 lbs<br><b>\$31.30</b> |               |               |                |

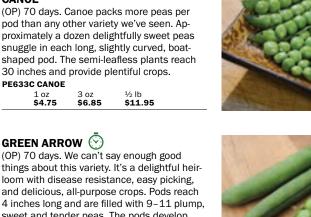
## CANOE

(OP) 70 days. Canoe packs more peas per pod than any other variety we've seen. Approximately a dozen delightfully sweet peas snuggle in each long, slightly curved, boatshaped pod. The semi-leafless plants reach 30 inches and provide plentiful crops.

## PE633C CANOE

things about this variety. It's a delightful heirloom with disease resistance, easy picking, and delicious, all-purpose crops. Pods reach 4 inches long and are filled with 9-11 plump, sweet and tender peas. The pods develop in pairs within easy reach at the top of the compact, 24 inch plants. DM, F.

| 2E628G GREEN     | ARROW OR              | GANIC           |
|------------------|-----------------------|-----------------|
| <b>OG</b> \$4.95 | 3 oz<br><b>\$7.45</b> | ½ lb<br>\$16.55 |





Green Arrow

Lincoln

Sienna

Canne





Sugar Ann



Little Snappea Crunch



Super Sugar Snap



Snak Hero



Green Beauty



Oregon Sugar Pod II

## Snap

## LITTLE SNAPPEA CRUNCH

(OP) 60 days. Small crops in the garden, but huge flavor on the palate! Squeeze this one into your small garden or container planting and you'll be rewarded with early harvests of lots of lofty pea shoots for salads followed by sweet, fresh snap peas well into the warm weather. The compact plants yield smooth, crispy, refreshing pods on self-supporting plants that reach up to 30 inches tall.

## PE627C LITTLE SNAPPEA CRUNCH

| 1 oz   | 3 oz   | 1∕2 lb | 2 1/2 lbs |
|--------|--------|--------|-----------|
| \$4.45 | \$5.95 | \$9.45 | \$32.35   |

## SUPER SUGAR SNAP

(OP) 58 days. This improved variety sets pods earlier in the season, with remarkably high yields and far better disease resistance than its predecessor. You'll enjoy exceptionally heavy harvests of sweet, thick-walled, stringless pods. Super Sugar Snap's vigorous, healthy vines average about 5 feet tall. IR: PLR. PM.

## PE636C SUPER SUGAR SNAP

| 1 oz                    | 3 oz                      | ½ lb   | 2 ½ lbs |
|-------------------------|---------------------------|--------|---------|
| <b>\$3.60</b>           | <b>\$5.85</b>             | \$8.95 | \$31.60 |
| 5 lbs<br><b>\$44.50</b> | 25 lbs<br><b>\$150.50</b> |        |         |

## SNAK HERO (III)



(OP) 65 days. The form of a green bean and the flavor of a snap pea! Snak Hero is enticingly unique with its slender, round, 4 inch, stringless pods. Self-supporting plants reach 18-24 inches tall and keep producing their delectable peas with continued harvest. Enjoy Snak Hero lightly cooked, frozen, or fresh off the plant.

## PE623C SNAK HERO

| \$3.80 | \$5.65 | \$11.25 | \$35.40 |
|--------|--------|---------|---------|
| 1 oz   | 3 oz   | 1∕2 lb  | 2 ½ lbs |

## **Snow**

## **GREEN BEAUTY**

(OP) 60 days. Stand up and harvest peas with the help of this vigorous, climbing variety. Green Beauty's lush, 6-8 foot tall vines produce a show of spectacular, purple blooms followed by delicious, 5 inch long, flattened pods. If you leave some pods on the plants, you'll find they remain flavorful and crunchy even when the seeds begin to swell.

## PE641C GREEN BEAUTY

| 1 oz   | 3 oz   | ½ lb    |
|--------|--------|---------|
| \$4.75 | \$7.15 | \$13.95 |



Little Snowpea White and Purple

## **OREGON SUGAR POD II**

(OP) 70 days. Easy-to-grow, non-climbing dwarf vines grow to approximately 30 inches tall and hold their pods up for easy picking. A prolific producer, the mild-flavored broad pods are 4-5 inches long and frequently set in doubles. An Oregon State University development, Oregon Sugar Pod II is highly disease resistant. Plant every few weeks for continuous production. DM, F, PEMV, PM.

## PE624C OREGON SUGAR POD II

| \$2.95 | 3 0Z<br><b>\$4.55</b> | ∜2 ID<br><b>\$7.95</b> | \$19.95 |
|--------|-----------------------|------------------------|---------|
| 5 lbs  | 25 lbs<br>\$110.25    | 50 lbs                 |         |

## PE624G OREGON SUGAR POD II ORGANIC

|    | 4                     | 2      | 1/ 11- |
|----|-----------------------|--------|--------|
|    | T 02                  | 3 oz   | ½ lb   |
| UU | 1 oz<br><b>\$3.65</b> | \$5.45 | \$9.95 |

## LITTLE SNOWPEA WHITE



(OP) 30 days. Little Snowpea White starts producing its bright green, tender pods in just a few short weeks and continues its unwavering harvest for an extended season. The 40 inch tall plants produce crunchy pods that are delicious raw, steamed or stir-fried. PM.

#### PE639C LITTLE SNOWPEA WHITE

| \$4.45 | \$5.95 | \$9.45 | \$32.35 |
|--------|--------|--------|---------|
| 1 oz   | 3 oz   | 1∕2 lb | 2 ½ lbs |

## LITTLE SNOWPEA PURPLE T



(OP) 50-54 days. Topping out at only 24 inches tall, this dwarf snow pea is as attractive as it is tasty. A prime candidate for container planting, Little Snowpea Purple's sweet, refreshingly crisp pods are preceded by showy bicolor purple flowers.

## PE640C LITTLE SNOWPEA PURPLE

| \$4.45 | \$5.95 | \$9.45 | \$32.35 |
|--------|--------|--------|---------|
| 1 oz   | 3 oz   | 1∕2 lb | 2 ½ lbs |

## FRIEDA WORLDS

(OP) 75-80 days. This vigorous, tasty snow pea comes from Europe and is specifically for autumn sowing. A purple flowering variety, the plants grow to 6 feet, producing large pods. For overwintering plant late enough to establish smaller seedlings as they go into winter. Larger plants may be more susceptible to frost damage.

## PE630G FRIEDA WORLDS ORGANIC

| z ½ lb<br>95 \$18.9! |
|----------------------|
|                      |
|                      |

Key to Pea Disease Resistance/Tolerance DM **Downy Mildew** 

F\* **Fusarium Wilt** PEMV **Pea Enation Mosaic Virus PLR Pea Leaf Roll Virus** PM Powdery Mildew

\* Numbers indicate specific disease race.



Frieda Worlds

## RADISHES

Raphanus sativus

| Soil Temp.<br>for Germ. | 45-80°F | Days to<br>Emergence | 4-11    |
|-------------------------|---------|----------------------|---------|
| Seed<br>Depth           | 1/2"    | Thin<br>Plants To    | 1-2"    |
| Seed<br>Spacing         | 1/2"    | Row<br>Spacing       | 8-12"   |
| Min.<br>Germ.           | 80%     | Seed<br>Life         | 4 years |
| Seeds<br>per gram       | ≈ 80    | Fertilizer<br>Needs  | Low     |

Days to maturity are calculated from date of direct seeding.

#### Culture

- Prepare the bed by working compost into the top 2-3 inches of soil
- Needs consistent soil moisture due to shallow
- Dry or crowded conditions will slow growth and make roots hot or pithy
- The season may be extended from February through October by sowing in cold frames or using row covers
- For extended harvests plant every two weeks

#### **Direct Sowing**

- Sow mid-August-mid-September
- Three grams will sow 7-8 row feet
- It is essential to thin promptly when they form 2 true leaves

#### Insects & Diseases

- See Brassica Insect Information on our website
- **Disease prevention:** 5–7 year crop rotation

#### **Harvest & Storage**

- · Harvest while still young, before splitting, and remove tops before storing
- Let a few plants bolt and make a seed podgreen pods have a crunchy, mild radish flavor
- Store at 36°F and 100% relative humidity

#### **CRUNCHY CRIMSON**

(F1) 28 days. We are astounded by how well this radish holds in the field, resisting pithiness even in the heat of summer. Crunchy Crimson sums up these roots perfectly; they're a gorgeous red outside with pure white flesh inside that's crisp and juicy. The uniform roots are prime at an egg-shaped 1 ½ by 1 ¾ inches and have strong tops for easy harvest.

#### **RD761C CRUNCHY CRIMSON**

| 3 grams       | 7 grams | 1 oz          |
|---------------|---------|---------------|
| <b>\$4.45</b> | \$5.75  | <b>\$8.95</b> |

#### **STARBURST**

(F1) 60 days. It's easy to see why watermelon-type radishes are all the rage. They are by far the prettiest variety we've grown. The sweet, white roots have brilliant fuchsiacolored flesh with light pink streaks radiating from the center, earning its stellar name. Best planted in early spring or fall.

#### RD756C STARBURST

| 3 grams | 7 grams | 1 oz    |
|---------|---------|---------|
| \$4.85  | \$6.75  | \$15.35 |

#### ROXANNE 4

(F1) 25 days. This outstanding radish produces impeccably uniform roots with cardinal red skin and immaculate white interiors. The 1-1 1/4 inch orbs have crisp flesh that is snappy and tasty. Roxanne's ability to retain its good flavor and texture even at larger sizes, along with its proven performance across the country, has helped it earn an AAS award.

| RD757C R | OXANNE |
|----------|--------|
|----------|--------|

| 3 grams | 7 grams | 1 oz   |
|---------|---------|--------|
| \$4.45  | \$5.95  | \$8.95 |

#### RUNDER SCHWARZER WINTER

(OP) 45-50 days. Black winter radish or Munich beer radish. This radish's black skin contrasts beautifully with its pure white flesh. While visually appealing, it also has a satisfying spicy flavor. Stores equally well in the ground or in the root cellar.

#### **RD745C RUNDER SCHWARZER WINTER**

| \$3.35  | \$4. <b>15</b> | \$5.95 |
|---------|----------------|--------|
| 3 grams | 7 grams        | 1 07   |

#### RD745G RUNDER SCHWARZER WINTER ORGANIC

| <u> </u> | ØG | 3 grams<br><b>\$3.95</b> | 7 grams<br><b>\$4.75</b> | 1 oz<br><b>\$6.95</b> |  |
|----------|----|--------------------------|--------------------------|-----------------------|--|
|----------|----|--------------------------|--------------------------|-----------------------|--|

## Daikon

### SWEET BABY



(F1) 40-45 days. These little bundles of joy won us over at our AAS trials, and the other judges agreed. A pleasure to behold, the 3 inch, elongated roots have a brilliant violet exterior and striking pink flesh that's streaked with purple. Equally appealing on the tongue, Sweet Baby packs a lot of crisp, juicy flavor that starts out sweet and ends with a refreshing hint of spice.

#### **0V587C SWEET BABY**

| \$5.55  | \$10.25 | \$27.60 |
|---------|---------|---------|
| 3 grams | 7 grams | 1 oz    |

#### MINOWASE SUMMER CROSS NO. 3

(F1) 50 days. The  $1 \frac{3}{4}$  inch wide, 8-10 inch long uniform roots are white inside and out, super mild, sweet and juicy. For a change of pace, try a salad made with equal amounts of thinly sliced Minowase radishes, bulb fennel and chopped parsley. Toss with lemon juice, olive oil and grated Parmesan cheese. Best sown from June through early August.

#### 0V581C MINOWASE SUMMER CROSS NO. 3

| 3 grams | 7 grams | 1 oz    |
|---------|---------|---------|
| \$4.95  | \$8.35  | \$23.60 |



Minowase Summer Cross No. 3



Crunchy Crimson



Starburst





Runder Schwarzer Winter



Sweet Baby

**Vegetables** 



Warrior



Gladiator



Marian



Tokyo Silky Sweet



Golden Ball



Purple Top White Globe

## **Parsnips**

#### WARRIOR

(F1) 120 days. Creamy, sweet parsnips are among the best gifts of the cool-weather garden, and Warrior has won a place on our table! These shapely roots reach 11 inches long with smooth, fine, white skin and a shallow, clean crown. Robust foliage helps fill out the roots evenly with little to no thin tail. HR: BC.

#### PN655C WARRIOR

| 2 grams | 7 grams | ½ oz    |
|---------|---------|---------|
| \$4.85  | \$8.75  | \$15.55 |

#### **GLADIATOR**

(F1) 110 days. You'll be impressed from the start with Gladiator's quick germination and vigorous early growth. The vitamin-rich, cream-colored roots have a clean parsnipy sweetness that makes it the most flavorpacked parsnip we've had the pleasure to eat. The smooth, tapered roots reach 7 inches when they're ready for the kitchen. HR: BC.

| N650C GLADIATOR | ₹ |
|-----------------|---|
|-----------------|---|

| 2 grams | 7 grams | ½ oz    |
|---------|---------|---------|
| \$4.85  | \$9.30  | \$15.95 |

## Rutabagas

Brassica napus

#### MARIAN

(OP) 85-95 days. The yellow-fleshed, purpletopped roots can grow as large as 8 inches, are fine flavored, and good keepers. Marian is club root resistant, highly uniform, and vigorous. Its short, wide leaves allow closer spacing.

#### RU762G MARIAN ORGANIC

| <b>6 G</b> \$4.75 | 2 grams<br><b>\$7.45</b> | <sup>1</sup> ⁄₄ oz<br><b>\$18.95</b> |
|-------------------|--------------------------|--------------------------------------|
|-------------------|--------------------------|--------------------------------------|

## **Turnips**

Brassica rapa

Turnips are grown for both greens and roots.

#### **TOKYO SILKY SWEET**

(F1) 45 days. The smooth, silky texture and snappy flesh bursting with sweet, juicy flavor makes this the very best salad turnip you can grow. With squat globe-shaped roots 1 1/2 inches long and 2 1/4 inches wide, Tokyo Silky Sweet performs better in hot weather than Hakurei turnips, and it will rock your world come lunchtime.

#### TR983C TOKYO SILKY SWEET

| 2 grams | 7 grams | ½ oz    |
|---------|---------|---------|
| \$4.95  | \$10.35 | \$17.95 |

## GOLDEN BALL (Y)

(OP) 45-65 days. Reminiscent of the summer sun, Golden Ball is truly an exceptional turnip. The 3-4 inch roots are perfectly-shaped amber, elongated globes that have delicategrained, meaty flesh that's never woody. The flavor is sweet, mellow and smooth. For an outstanding, lustrous dish, try them mashed with butter and shallots. The roots grow quickly and keep well.

#### TR979C GOLDEN BALL

| 2 grams         | 7 grams       | ½ oz          |
|-----------------|---------------|---------------|
| <b>\$3.35</b>   | <b>\$4.55</b> | <b>\$6.75</b> |
| P9796 GOI DEN B | ALL ODGANIC   |               |

#### **6** 2 grams \$3.95 7 grams \$5.15 1/2 07

## **PARSNIPS**

Pastinaca sativa

| Soil Te         |          | Days to<br>Emergence | 15-28  |
|-----------------|----------|----------------------|--------|
| Seed<br>Depth   | 1/2"     | Thin<br>Plants To    | 3-4"   |
| Seed<br>Spacin  | 1/2"     | Row<br>Spacing       | 12-18" |
| Min.<br>Germ.   | 65%      | Seed<br>Life         | 1 year |
| Seeds<br>per gr | am ≈ 175 | Fertilizer<br>Needs  | Low    |

Days to maturity are calculated from date of direct seeding.

#### Culture

Refer to carrot culture on page 14

**Key to Parsnip Disease Resistance/Tolerance** HR indicates high resistance. IR indicates intermediate resistance. BC | Black Canker

## **RUTABAGAS** & **TURNIPS**

| Soil Temp.<br>for Germ. | 55-75°F   | Days to<br>Emergence | 5-17    |
|-------------------------|-----------|----------------------|---------|
| Seed<br>Depth           | 1/4-1/2"  | Thin<br>Plants To    | 6-8"    |
| Seed<br>Spacing         | 1-2"      | Row<br>Spacing       | 12-16"  |
| Min.<br>Germ.           | 80%       | Seed<br>Life         | 3 years |
| Seeds<br>per gram       | ≈ 265-400 | Fertilizer<br>Needs  | Low     |

Days to maturity are calculated from date of direct seeding.

#### Culture

- Rutabagas and turnips can tolerate a range of soil types with a slightly acidic pH of 6.0-7.0
- Work in one cup of TSC's Complete fertilizer per 10 row feet

#### **Direct Sowing**

- Sow turnips July-early-September
- Sow rutabagas in July
- It is essential to thin promptly when they form
- 2 true leaves

#### **Insects & Diseases**

- See Brassica Insect Information on our website
- Disease prevention: 5-7 year crop rotation

#### **Harvest & Storage**

- Pick early; roots are sweetest when small
- Turnip greens can be picked when young
- Both root crops are best stored at 36°F and 95% relative humidity

#### PURPLE TOP WHITE GLOBE (\*)



(OP) 55 days. This turnip is bright purple on top and creamy white below. Nearly round, the smooth roots with a white interior grow to 5 inches across. They are best harvested at 2-3 inches. This carefully selected mild, sweet strain will add substance to salads.

#### TR977C PURPLE TOP WHITE GLOBE

| 2 grams       | 7 grams       | ½ oz           |
|---------------|---------------|----------------|
| <b>\$3.35</b> | <b>\$4.45</b> | <b>\$5.6</b> ! |

## SPINACH

Spinacia oleracea

| Soil Temp.<br>for Germ.            | 45-75°F | Days to<br>Emergence | 6-21   |
|------------------------------------|---------|----------------------|--------|
| Seed<br>Depth                      | 1/2"    | Thin<br>Plants To    | 3-6"   |
| Seed<br>Spacing                    | 1"      | Row<br>Spacing       | 12"    |
| Min.<br>Germ.                      | 65%     | Seed<br>Life         | 1 year |
| Seeds<br>per gram                  | ≈ 80    | Fertilizer<br>Needs  | Low    |
| Devilored the second data of the f |         |                      |        |

Days to maturity are calculated from date of direct seeding.

#### Culture

- Optimum soil pH range is 6.5-7.5
- Spinach grows best during cooler weather of early spring and fall
- Soil temperature above 80°F can cause erratic germination
- Bolting is caused by rising temperatures, day length and water stress; see specific varieties for bolt resistance
- Apply ½ cup of TSC's Complete fertilizer per 5 row feet, and 1 inch of compost

#### **Direct Sowing**

- Sow July-August for a fall crop
- Sow late-August for an overwintering crop
- For baby spinach sow 20-25 seeds per foot in a 2 inch wide furrow, in rows 6 inches apart, thin to 1 inch

#### **Insects & Diseases**

- Common Insects: spinach leaf miners
- Insect control: spray eggs on underside of leaves with Pyrethrin or destroy any affected leaves and keep the surrounding area weeded
- Common diseases: see chart on this page • Disease prevention: plant in fertile soil and
- use a 3-4 year crop rotation

#### **Harvest & Storage**

- For baby greens, harvest at 3–4 inches
- Individual leaves may be harvested anytime
- Store at 36°F and 95% relative humidity

Key to Spinach Disease Resistance/Tolerance HR indicates high resistance. IR indicates intermediate resistance.

| Downy Mildew \* Numbers indicate specific disease race.

#### LAKESIDE



(F1) 25-30 days. Here's a spinach that tops the charts in flavor, disease-resistance, uniformity and quality. If you love spinach but struggle with growing a good crop, Lakeside is worth a try since it impressed us with how well it performed in less-than-ideal conditions. Undaunted by the compromised location in the trial field, it produced healthy plants 16 inches wide and 6 inches tall, loaded with great-tasting greens. HR: DM 1-11. IR: DM 12-14.

#### SP780C LAKESIDE

| 5 grams<br><b>\$3.95</b> | 14 grams<br><b>\$5.45</b> | 1 oz<br><b>\$7.75</b> |
|--------------------------|---------------------------|-----------------------|
| ⅓ lb                     | 1 lb                      |                       |
| \$14.35                  | \$39.55                   |                       |

## **NEW IMPERIAL VALLEY**

(F1) 35-40 days. Deep green, Asian-type spinach that grows quickly and uniformly. Great addition to the home garden or farmers' market. Resistant to many strains of downy mildew. The fast growth and upright plant habit make it a grower-friendly choice. DM 1-11, 13, 15-16.

**SP795C IMPERIAL VALLEY** 5 grams **\$4.95** 14 grams \$5.95 1 oz **\$7.95** 

1/4 lb 1 lb \$39.55

#### **TRIBUTE**

(F1) 30 days. A vigorous and dependable spinach, with uniform oval leaves, 3 3/4 inches long and 3 inches wide on upright stems. Easy to hand-harvest on the fly, Tribute has no bitterness and a pleasantly smooth texture, making it a flexible ingredient for any meal. HR: DM 1-12, 14, 16.

SP793C TRIBUTE

14 grams 5 grams \$3.95

#### **RED TABBY**

(F1) 34 days. A very spirited spinach with smooth, dark green, oval leaves and a highlight of magenta veins and stems. Superb disease resistance and improved tolerance to bolting means Red Tabby excels in the garden for harvests of lots of tasty, attractive greens. HR: DM 1-9, 11-13. IR: DM 10.

#### SP772C RED TABBY

| 5 grams<br><b>\$4.35</b> | 14 grams<br><b>\$5.55</b> | 1 oz<br><b>\$7.75</b> |
|--------------------------|---------------------------|-----------------------|
| ⅓ lb                     | 1 lb                      |                       |
| \$17.15                  | \$58.45                   |                       |

#### **GIANT WINTER**

(OP) 45 days. A special strain bred specifically for late summer and fall seeding for a crop in early spring. The large, dark green leaves are smooth, semi savoyed and flavorful. Remarkably cold hardy, and stands well in all but the worst weather we experience here in the Northwest.

#### **SP785C GIANT WINTER**

| 5 grams | 14 grams | 1 oz   |
|---------|----------|--------|
| \$4.25  | \$6.65   | \$9.95 |

## PALCO T



(F1) 38 days. Palco is adaptable to planting in both cool and warm seasons. Versatile for harvest as young baby greens or allowed to attain its full size. Bolt- and disease-resistant plants hold well in the field without flowering or succumbing to mildew. HR: DM 1-5, 8-9, 11-12.14.

#### SP789G PALCO ORGANIC

| ØG | 5 grams<br><b>\$4.35</b> | 14 grams<br><b>\$5.75</b> | 1 oz<br><b>\$7.95</b> |  |
|----|--------------------------|---------------------------|-----------------------|--|
|    | ST PALCOS                | EED TAPE                  |                       |  |
|    | 1 tape<br>\$6.95         | 3 tapes<br>\$15.95        |                       |  |

(F1) 45 days. Probably the best and most productive dark green plain leaf spinach for year-round sowing and harvests. Within its class, Olympia is slower to bolt and displays better eating quality than others. Typically upright, it grows to 10 inches. DM 1-3, 5, 8-9, 11-12, 14.

#### SP778C OLYMPIA

| 5 grams<br>\$3.65 | 14 grams<br><b>\$4.85</b> | 1 oz<br><b>\$6.95</b> |
|-------------------|---------------------------|-----------------------|
| 1/4 lb            | 1 lb                      |                       |
| 610 15            | 627 OF                    |                       |



Imperial Valley



Tribute



Red Tabby



Giant Winter

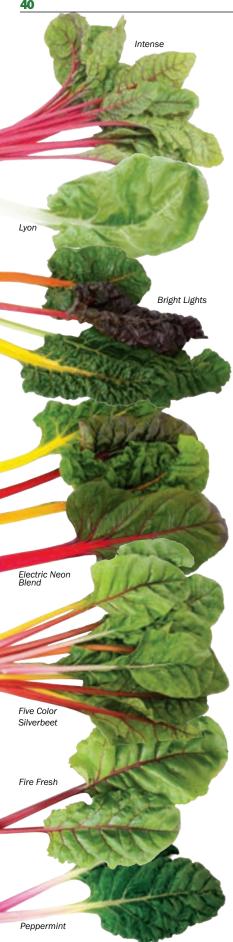


Palco

Olympia



Vegetables



#### INTENSE

(OP) 26 days to baby leaf, 50 days to full size. A real head-turner with glowing red stems and vibrant crimson veining. As a baby leaf, the stems contrast beautifully with the medium green, rounded leaves. Allow the plants to develop fully, and you'll enjoy heavy harvests of uniform, savoyed leaves with luminous stems and veins. Upright plants are vigorous and productive.

#### SW862C INTENSE

| 3 grams | 7 grams | 1 oz   |
|---------|---------|--------|
| \$4.35  | \$5.55  | \$7.95 |

### LYON



(OP) 50 days. Lyon proved to be one of the best tasting Swiss chards in our trials. The glowing, lime green leaf color contrasts nicely with other varieties. The lush plants have thick leaves up to 9 ½ inches wide and over 1 foot long with the color of new spring growth and the delicate, tender texture to match. Brilliant stalks are pure white and a broad, 1 inch wide. With its mild flavor, Lyon makes a good stand-in for spinach.

| SW852C L | YON |
|----------|-----|
|----------|-----|

| 3 grams       | 7 grams       | 1 oz          |
|---------------|---------------|---------------|
| <b>\$4.45</b> | <b>\$5.55</b> | <b>\$7.95</b> |
| 3 drame       | 7 drame       | 1 07          |

#### BRIGHT LIGHTS



(OP) 60 days. Individual stems are red, yellow, orange, gold, or white, and together they create a visual feast in your ornamental beds, in your vegetable garden, and at your dinner table. Bright Lights has lightly savoyed leaves, some are burgundy and some are green. Very mild flavors. These 20 inch wonders are a colorful accent for any meal!

#### SW853C BRIGHT LIGHTS

|      | 3 grams<br><b>\$4.95</b> | 7 grams<br><b>\$7.75</b> | 1 oz<br><b>\$16.45</b> |
|------|--------------------------|--------------------------|------------------------|
| SW85 | 3ST BRIGHT               | LIGHTS SEED              | ГАРЕ                   |
| /=/  | 1 tane                   | 3 tanes                  |                        |

#### **ELECTRIC NEON BLEND**

(OP) 60 days. Plug into the health benefits of Swiss chard with this electrifying 220 volt blend of intense colors. As exciting growing and viewing in the garden as gracing your dinner table. Our exclusive mix includes the neon range of 3-phase red, fuse-melt pink, hot-stick yellow, and glare-burst orange.

#### SW857C ELECTRIC NEON BLEND

| 3 grams | 7 grams | 1 oz    |
|---------|---------|---------|
| \$4.95  | \$7.75  | \$16.55 |

#### FIVE COLOR SILVERBEET (\*)



(OP) 60 days. Picturesque and delicious, this Australian heirloom boasts a day-glow mix of red, orange, yellow, pink and white. Uniform, sturdy plants grow upright providing clean, unblemished harvests of thick, juicy, tender stalks and succulent leaves. This blend of 5 varieties is stunning both in the garden and at the table. SW861G FIVE COLOR SILVERBEET ORGANIC

7 grams **\$6.45** \$14.95

#### FIRE FRESH

(F1) 23–35 days. This fast-growing, uniform chard is absolutely our favorite for tender, baby leaf production. Fire Fresh sports attractive oval, medium-dark green leaves with appealing contrast to ruby stems and veins. Upright plants show good disease resistance. SW860C FIRE FRESH

grams \$3.75 \$5.25 \$8.85

## SWISS CHARD

Beta vulgaris. Cicla Group

| Soil Temp.<br>for Germ. | 50-75°F | Days to<br>Emergence | 5-17    |
|-------------------------|---------|----------------------|---------|
| Seed<br>Depth           | 1/2"    | Thin<br>Plants To    | 10-16"  |
| Seed<br>Spacing         | 2-3"    | Row<br>Spacing       | 18-24"  |
| Min.<br>Germ.           | 75%     | Seed<br>Life         | 2 years |
| Seeds<br>per gram       | ≈ 50    | Fertilizer<br>Needs  | Medium  |

Days to maturity are calculated from date of direct seeding

#### Culture

- Swiss chard grows best in cool weather and overwinters in mild climates
- Apply 1 cup of TSC's Complete fertilizer per 5 row feet, and 1 inch of compost
- Cover beds with row cover if temperatures are

#### **Direct Sowing**

- Sow July-early-August
- Thin when plants reach a height of 3 inches

#### **Transplanting**

Start June–July for transplanting July–August

#### **Insects & Diseases**

- Common insects: aphids, leaf miners, flea beetles, and leaf hoppers
- Insect control: pick off affected leaves and check for eggs-spray with Pyrethrin, use silver mulch
- Common diseases: leaf spot
- Disease prevention: 3-4 year crop rotation, remove debris

#### **Harvest & Storage**

- Harvest leaves from the outside, taking care not to damage the growing point
- Store at 36°F and 95% relative humidity

#### **PEPPERMINT**

(OP) 53-63 days. Standing alone as the only two-toned Swiss chard, Peppermint's clean white stems sport blazing fuchsia streaks, making it not only one of our most eye-catching varieties, but its coloration also reveals a potent antioxidant content. Topped off with wide, rumpled, lustrous, green leaves, Peppermint provides ample harvests of wholesome fresh greens for both warm and cool weather plantings.

#### SW856C PEPPERMINT

| 3 grams | 7 grams | 1 oz    |
|---------|---------|---------|
| \$4.95  | \$6.55  | \$13.95 |

#### **Insecticidal Super Soap**

Treating insect infestations on plants with soap applications is an effective and non-toxic solution for both indoor and outdoor plants. Insecticidal soap works mechanically by coating the insects with a layer of fatty acid (soap) and smothering the pest. Approved for organic gardening by the USDA's National Organic

Program (NOP). See TerritorialSeed.com for full description.

ZIN545\*..... ....1 quart ...... \$15.95

\* A SHIPPING WEIGHT 4 POUNDS

## **Seed Mats**

'Plant' these mats in your garden and watch the color unfold as spring turns to summer. Easier than making a bed, lay one of these convenient sheets out, cover with a light layer of sifted compost or soil, water, and you'll have the perfect garden in no time!





Beneficial Bug Mix

#### BENEFICIAL BUG MIX

(A & P) Let nature help keep the bad bugs in your garden controlled! This incredible 17 species mix will attract and keep lady beetles, lacewings, trichogramma wasps and more to your garden, where they can prey on the bad bugs in and around your home environment.

SM201C BENEFICIAL BUG MIX

18" x 10' \$22.95 \$40.95

#### **BEE FEED MIX**

(A & P) Keep the bees fed with this colorful blend of 18 types of flowers specially selected for their nectar and pollen producing ability. Bees cannot resist this premium mix.

SM202C BEE FEED MIX

18" x 25' \$22.95 \$40.95



Mild Mesclun Blend

#### **MILD MESCLUN BLEND**

(OP) 30 days. A gourmet combination of flavors, textures, and colors for fresh, delicious salads. Includes kale, 3 leaf lettuces, corn salad and mizuna mustard.

\$23.95

SM203C MILD MESCLUN BLEND 18" x 40"

\$15.95



Salad Lover's

#### SALAD LOVER'S

(OP/F1) A salad-lover's dream come true! Enjoy a colorful blend of loose-leaf lettuces, mixed mustards, arugula, spinach, red radish and salad turnips.

SM205C SALAD LOVER'S 18" x 40" 18" x 78"

\$15.95

## **Herb Seed Disks**

We've selected a collection of our favorite herb varieties and put them into handy, easy to plant, biodegradable disks. Each 10 cm disk is sized just right to conveniently plant in a 4 inch pot. For windowsill, patio and even herb garden planting, lay the disk on the surface of the moistened planting medium and cover lightly. Water and watch your herbs grow. These disks are a great gift or a perfect child's gardening project. See our website for more seed disk options.



#### CHIVES

A high yielding variety with dark green leaves and a sturdy, upright habit.

HR1110SD CHIVES

6 disks 3 disks 12 disks \$5.75 \$8.95 \$15.95

#### CORIANDER

An excellent, uniform, vigorous cilantro with dark green leaves. Slow to bolt.

HR0020SD CORIANDER

12 disks 3 disks \$5.75 \$8.95

#### **HERB DISK COLLECTION**

A collection of all six of our herb disks: arugula, Sweet basil, chives, coriander, parsley, and German/Winter thyme.

**HR0010SD HERB DISK COLLECTION** 6 disks

\$9.95

## **Seed Tape**

Perfectly straight rows of precisely spaced crops are at your fingertips with seed tape. No more having to thin seedlings! This biodegradable tape will plant a row 5 meters (16 feet, 5 inches) long. Simply lay it in a furrow and cover with a light layer of sifted compost or soil, water and wait. Save yourself a heap of planting time with these popular vegetable and herb staples. See our website for more seed tape options and the key to our disease resistances.



#### SYLVESTA LETTUCE

(OP) 50 days. A luscious butterhead with medium green leaves and heavy heads. Resists bolting. HR: DM 1-17, 19, 21, 23, Nr. IR: LMV.

LT010ST SYLVESTA LETTUCE 1 tane \$6.95

#### WHITE LISBON ONION

(OP) 60 days. A versatile salad onion with long white stems and bright green tops. Sow every 2 weeks from March through autumn for a continual harvest. Can also be overwintered.

**ON549ST WHITE LISBON ONION** 

1 tape 3 tapes \$15.95



Gumball Radish Blend

#### **GUMBALL RADISH BLEND**

(OP) 28 days. Produce a blend of purple, yellow and white-skinned radishes with this unique seed tape. Contains white-fleshed radishes including Zlata, a yellow-skinned variety and Viola, one of our favorite purpleskinned type.

## RD030ST GUMBALL RADISH BLEND

1 tape 3 tapes \$16.95 42 Flowers & Herbs

## **COOL BLOOMS & HERBS**

Some like it hot, some not. That goes for flowers, and those that prefer cooler temperatures will benefit from getting a good start in chilly weather. Hardy annuals fit in this category and can be sown in either late summer/early fall or early spring while the threat of frost is still present. Allowing these plants to germinate and establish when the temperatures are low give them a strong start. Often times they'll reward you with fresh flowers earlier than spring-sown—a true gift when spring fever hits! We grow our late-summer sowings of flowers in an unheated high tunnel and enjoy a variety of blooms throughout the winter and into spring. For gardeners in zones 7 and warmer, sowing your seed in late summer/early fall will allow the seed to germinate and grow slowly over the winter. Once the days lengthen, those plants will be ready to take off! In cooler regions, a coldframe helps protect overwintered flowers, or simply sow the seed 6-8 weeks prior to your final frost date in the spring. Allow the seedlings to harden off for several days before transplanting, and watch their show!



PNW Native Wildflower Mix

Cantaloupe



Neon

## **Flowers**

#### PNW NATIVE WILDFLOWER MIX

✓ Pacific Northwest gardeners can help support native fauna with this beautiful blend of 15 native annual and perennial wildflower species. Selected from species native to northern California, western Oregon, western Washington and coastal British Columbia at elevations of 7000 feet and under. Sow at 6 ounces per 1000 square feet; 9–18 pounds per acre. Germination code: (4)

#### FL3448C PNW NATIVE WILDFLOWER MIX

| 2 grams       | 7 grams        | 1 oz            |
|---------------|----------------|-----------------|
| <b>\$4.65</b> | <b>\$6.95</b>  | <b>\$14.95</b>  |
| ½ lb          | 1 lb           | 5 lbs           |
| \$52.25       | <b>\$87.65</b> | <b>\$345.50</b> |

#### CANTALOUPE CALENDULA

(A) Calendula officinalis A throw-and-grow type, these big-seeded flowers can go directly in the ground from late summer until early spring and provide a beautiful blend of sunny colors in spring and summer. Big, double blooms in a blend of creamy ivory, lemon and apricot shades will brighten the landscape and vase. Deadhead for more prolific flowers, but allow some blooms to go to seed. A wonderful naturalizer, Cantaloupe will readily re-seed. Here in our zone 8 gardens, it's not unusual to find sporadic flowers throughout the winter. Approximately 100 seeds per gram. Germination code: (1) or (4)

FL2260C CANTALOUPE

| ⅓ gram | 100 seeds | 1000 seeds |
|--------|-----------|------------|
| \$3.85 | \$5.45    | \$14.05    |

#### **NEON CALENDULA**

showstopper in our flower trials. The ultra-double flowers glow with a brilliant orange edged in burgundy. The 25–27 inch tall plants boast 1½–2 inch blooms and provide non-stop color from spring through the first light frosts. Approximately 150 seeds per gram. Germination code: (1) or (4) FL2256C NEON

| ½ gram 2 grams ½ oz<br>\$3.95 \$6.35 \$12.95 |  |
|--|--|
|--|--|



Russell Mix

#### **NEW RUSSELL MIX LUPINE**

(B) Lupinus polyphyllus A classic garden plant in vibrant pinks and purples with tropical sunset accents. This lupine will add eye-catching height to your garden and provide a bright display for pollinators. Lupine seeds have a very tough seed coat and will benefit from either scarifying the seed or soaking for 24-48 hours before planting. Approximately 50 seeds per gram. Germination code: (4)

#### FL2099C RUSSELL MIX

| 1 gram | 10 grams |
|--------|----------|
| \$4.95 | \$39.95  |

#### **QIS® BOWLING BALL POPPY**

(A) Papaver somniferum The biggest rattlepods we've seen! Bowling ball isn't too much of an exaggeration when describing this poppy's seed head, but tennis ball size is closer to the truth. Fleeting, pink-petaled blooms fade to developing the enormous pods on sturdy, 36–48 inch tall stems. For the largest pods, direct sow the seed in late summer to fall, and the overwintered crop will yield magnificent crops for a statement in dried arrangements. Approximately 2200 seeds per gram. Germination code: (4)

#### FL3076C QIS® BOWLING BALL

| ⅓ gram | 1 gram | 1⁄8 OZ |
|--------|--------|--------|
| \$3.95 | \$5.55 | \$8.95 |

#### **XL JELLY BEANS POPPY**

(A) Eschscholzia californica By far one of the brightest, most irresistible of the California poppies that we've grown. Absolutely bursting with vibrant, sugary colors. Sweet and tempting semi-double blooms have splashes of bubble gum pink, lemon yellow and raspberry red against feathery, silver-blue foliage. Height: 8–12 inches. Approximately 600 seeds per gram. Germination code: (4)

#### FL3090C XL JELLY BEANS

| ⅓ gram | 1 gram | ⅓ oz    |
|--------|--------|---------|
| \$4 35 | \$715  | \$17.95 |



QIS® Bowling Ball XL Jelly Beans

#### THAI SILK FORMULA MIX POPPY

(A) Eschscholzia californica This mix is the fanciest of the California poppies. The flowers are semi-double with fluted petals and a silky, chiffon-like texture. The finely divided, gray-green foliage sets off a summerlong display of shimmering, 3-inch, jewel-tone blooms. The vivid colors range from sunny yellows and tangerines to magenta. Height: 10–14 inches. Approximately 600 seeds per gram. Germination code: (4)

FL3082C THAI SILK FORMULA MIX

1/8 gram 1 gram 1/4 oz \$4.35 \$7.15 \$17.95

#### **MAMMOTH CHOICE MIX SWEET PEA**

(A) Lathyrus odoratus These heavenly scented, colorful flowers are a must for the garden. Twining vines scramble up fences, trellises and arbors for a sweetly fragranced display in the cooler months. Big flowers in a blend of crimson, lavender, salmon, deep rose, blue and pinks grace the plants and perfume the home. Here in the Pacific Northwest, we plant in late summer for a September crop, fall for an early spring crop, and February for an early summer crop. Approximately 12 seeds per gram. Germination code: (4)

FL3320C MAMMOTH CHOICE MIX

/ grams 1 oz \$4.25 \$7.45

\$10.95

#### OLD SPICE MIX SWEET PEA

(A) Lathyrus odoratus This heirloom collection is a blend of heat resistant varieties with very fragrant flowers. Old Spice Mix is a climbing blend that should be trellised. It boasts colors in shades of white, cream, pink, rose, scarlet, and purple. The best sweet pea for warmer climates. Approximately 12 seeds per gram. Germination code: (4)

FL3316C OLD SPICE MIX

\$4.15 \$6.55 \$8.95

#### LATE SPENCER CHOICE MIX SWEET PEA

\*\* (A) Lathyrus odoratus These strongstemmed, vigorous plants produce multitudes of fragrant blooms especially suited for cut flowers. Beautiful hues of red, pink, white, rose, purple, and blue. Approximately 12 seeds per gram. Germination code: (4)

FL3321C LATE SPENCER CHOICE MIX

7 grams 1 oz 2 oz **\$4.15 \$6.55 \$8.95** 

## NEW SORBET® LAVENDER PINK WIOLA

\*\* (P) Viola cornuta This pansy is the full package! Perfect for spring and fall, the compact plants are tolerant to frost, water, and shade. Add in its fragrant flowers that attract bees and its low maintenance mounded profile, and you have a selection that's sure to be on your planting list year after year.

FL2900C SORBET® LAVENDER PINK

50 seeds 150 seeds 500 seeds \$4.95 \$10.35 \$28.95

#### NEW COOL WAVE® WHITE VIOLA

(P) Viola x wittrockiana Looking for a trailing flower for spring and autumn? Look no further! The Cool Wave® White pansy is long lasting and fast growing. With creamy white flowers growing in a cascading mounding habit, this selection is perfect for hanging baskets and mixed containers.

FL3006C COOL WAVE® WHITE

50 seeds 150 seeds 500 seeds \$4.95 \$10.35 \$28.95

#### **NEW MATRIX® ROSE BLOTCH VIOLA**

mauve and deep purple bicolor flowers atop strong stems from this prolific pansy. Its very uniform, compact growth is perfect for coolseason gardens and attracts bees, butterflies, and hummingbirds.

FL3013C MATRIX® ROSE BLOTCH

50 seeds 150 seed \$4.95 \$10.35

#### FRIZZLE SIZZLE MINI MIX VIOLA

(P) Viola cornuta The old-fashioned viola has gotten a makeover! You get tons of texture with Frizzle Sizzle Mini Mix thanks to its frilly, ruffled petals and vibrant colors. Small-statured plants form compact mounds 6–8 inches tall and wide with a mix of yellow, purples, and bicolors. A superior selection for cool weather, although Frizzle Sizzle Mini performs like a champ in our warm, dry Oregon summers. In zones 6 and warmer, these tough little beauties can bloom all winter long with heaviest ruffling in cooler temperatures. Germination code: (1)

FL3025C FRIZZLE SIZZLE MINI MIX

50 seeds 150 seeds 500 seeds \$5.25 \$8.95 \$18.70



Sorbet® Lavender Pink



Cool Wave® White



Matrix® Rose Blotch



Frizzle Sizzle Mini Mix



Late Spencer Choice Mix Old Spice Mix



Mammoth Choice Mix



Thai Silk Formula Mix

Flowers & Herbs



Bonsai





Borage





American Ginseng

## **Herbs**

#### **NEW BONSAI BASIL**

(A) Ocimum basilicum This mounded, fine-leaf Greek basil is perfect for growing inside on a sunny windowsill or counter. The first herb addition to our Kitchen Counter Collection, this delicious basil grows up to 12" tall and wide and is ready in just 5 weeks. The small leaves mean no chopping required for use in recipes. A truly wonderful addition to the indoor garden.

#### HR1041C BONSAI

| \$4.95 \$18.95 \$28.95      |
|-----------------------------|
|                             |
| 25 seeds 500 seeds 1000 see |

#### **ALBA BORAGE**

(A) Borago officinalis var. 'Alba' The beautiful and rare ivory version of blue-flowered borage. The plants are easy to grow and perform identically with the sole distinction of the flower color. Use the tasty blooms as garnishes on everything from beverages to desserts, and add the foliage to salads. Bees, hummingbirds and other pollinators adore the flowers making borage an excellent garden companion plant. Approximately 50 seeds per gram. Germination code: (1)

| ЦΒ | 1 N | 201 | ٠. | LBA |
|----|-----|-----|----|-----|
|    |     |     |    |     |

| 2 grams | 7 grams | 1 oz   |
|---------|---------|--------|
| \$3.95  | \$5.45  | \$7.95 |

#### BORAGE

(A) Borago officinalis The star-like flowers can be frozen in ice for summer drinks, and the flowers and cucumber-flavored leaves are tasty in salads. Borage stays attractive and green long into the fall and readily self-sows for the next season. A favorite of the bees! Approximately 50 seeds per gram. Germination code: (1)

#### HR1086C BORAGE

| 2 grams<br><b>\$3.75</b>         | 7 grams<br><b>\$4.95</b> | 1 oz<br><b>\$7.75</b> |
|----------------------------------|--------------------------|-----------------------|
| HR1086G BORAGI                   | ORGANIC                  |                       |
| <b>6</b> 2 grams <b>9 \$4.75</b> | 7 grams<br><b>\$6.35</b> | 1 oz<br><b>\$9.95</b> |

#### **HERA DILL**

(A) Anethum graveolens An exceptional selection for dill weed, Hera produces masses of feathery, blue-green foliage with exceptional aroma and flavor. Plants are reluctant to flower, so you'll have a long season of leaf production before they go to seed. Approximately 550 seeds per gram. Germination code: (1)

| HR1153G | HERA | ORGANIC |
|---------|------|---------|
|         |      |         |

| ØG        | 2 grams<br><b>\$3.95</b> | 7 grams<br><b>\$5.35</b> | 1 oz<br><b>\$7.75</b> |
|-----------|--------------------------|--------------------------|-----------------------|
|           | 53ST HERA                | SEED TAPE                |                       |
|           | 1 tape<br><b>\$6.95</b>  | 3 tapes                  |                       |
| <u> [</u> | \$6.95                   | \$15.95                  |                       |



Dark Green Italian Plain

#### **AMERICAN GINSENG**

Panax quinquefolius | Po Ginseng is said to reduce the body's various stress responses; studies have found energizing, cognitive-enhancing, cancer fighting and overall immune boosting properties, among others. Native to woodland understory habitats throughout the eastern and central United States, it grows best in 70-90% shade and is ready for harvest in 3-10 years, depending on the growing method. Fresh seeds can take two years to germinate, but ours come pre-stratified for fall sowing to emerge the following spring. Hardy in zones 3-8. Ginseng

#### seeds ships fall through spring. **HR1175C AMERICAN GINSENG**

| 50  | seeds | 150 seeds | 500 seeds |
|-----|-------|-----------|-----------|
| \$5 | .65   | \$12.45   | \$29.95   |

#### **DARK GREEN ITALIAN PLAIN PARSLEY**

(OP) (A) Petroselinum crispum 80 days. Flat and deeply cut leaves on very tall, stocky stems. These sturdy plants tolerate light frosts for fresh, aromatic harvests with minimal protection throughout the cool weather months. Harvest prior to killing frosts and dry the leaves for future use. Approximately 350 seeds per gram.

#### PL641C DARK GREEN ITALIAN PLAIN

| \$3.35                                  | \$4.25            | \$6.95         |  |  |
|---|-------------------|----------------|--|--|
| PL641G DARK GREEN ITALIAN PLAIN ORGANIC |                   |                |  |  |
| <b>OG</b> 2 grams <b>\$3.85</b>         | 7 grams<br>\$5.45 | 1 oz<br>\$8.95 |  |  |

7 grams

#### **WEGA PARSLEY**

2 grams

(OP) (A) Petroselinum crispum 75 days. Wega's leaves are bright and clean tasting with sturdy stems. The uniform plants form upright mounds of foliage that are so beautiful they'd fit comfortably in an ornamental setting to add an intricate textural appeal. Once Wega reaches its full size, it patiently waits for harvest without bolting, turning bitter or becoming stringy. Approximately 350 seeds per gram.

#### PL644C WEGA

| 2 grams | 7 grams | 1 oz   |
|---------|---------|--------|
| \$3.95  | \$5.25  | \$8.75 |

#### **GERMAN/WINTER THYME**

|| **P** (**P**) *Thymus vulgaris* A very popular culinary herb. Thyme is used as a salt and pepper substitute. This evergreen landscape plant with pale pink flowers is a popular bee plant. Reaches 10-12 inches. Approximately 3400 seeds per gram. Germination code: (1)

## HR1355C GERMAN/WINTER

| HR1355G GERMAN/WINTER ORGANIC |        |                   |  |
|-------------------------------|--------|-------------------|--|
| <b>6</b> % gram               | 1 gram | 1/4 OZ<br>\$11 Q5 |  |



¼ oz \$8.85

## **COVER CROPS**

One of the easiest and most economical ways to improve your soil is to plant green manures, commonly called cover crops. Most garden soils can be maintained at their highest level of productivity by sound soil management practices that involve a combination of soil tillage, crop rotation, and most importantly, the addition of organic matter through green manures. Organic matter is the "food" component of soil. Soil-dwelling fungi and bacteria work to break down organic matter. When these soil microorganisms eat organic matter, nutrients are released back into the soil in a form that is usable by plants. This process is called nutrient cycling. Nutrient cycling affects both the physical and chemical properties of the soil. The addition of organic matter builds soil structure, which increases water absorption and nutrient-holding capacity, buffers the soil pH, and improves aeration. Cover crops choke out weeds by restricting sunlight to the soil, stabilize the soil surface, and through their deep-reaching roots, help to break up hardpan and bring minerals to the surface for other plants to utilize. As part of a long-term rotation plan, cover crops can provide a stable habitat within your garden for beneficial insects and microorganisms.

Green manures can be grown in the same year as a vegetable crop, such as a cover crop of white clover planted around a cole crop. They can also be grown as a perennial in orchards and vineyards. In mild climates (zones 6 and above), cover crops can be fall planted and tilled in the following spring just before planting. In harsher climates, cover crops can be grown in rows between the crops or as a component of rotation in your garden. Green manure crops are a superior source of organic matter when they are cut and turned under. In addition to this benefit, legume green manures (peas, beans, clovers, favas and vetch) act as a host for the bacteria that fix and make nitrogen available for your vegetable or fruit crops.

(A) Annual (B) Biennial (P) Perennial

## **Lacy Phacelia**



Lacy Phacelia

#### **LACY PHACELIA**

(OP) Phacelia tanacetifolia (A) The list of benefits that cover crops can offer a garden is extensive, and Lacy Phacelia is unique in that its predominant contribution is its pollinatorattracting power. On our farm, stands of Lacy Phacelia are a constant buzz of bee activity like no other plant with the exception, perhaps, of buckwheat in full bloom. This fast-growing annual wildflower produces very attractive, ferny foliage growing 2–3 feet tall and topped with fascinating blue flowers that unfurl in a fiddlehead shape. As a cover crop, Lacy Phacelia aggressively out-competes weeds, and will absorb excess nitrates and calcium in the ground. At our farm, we have found that this crop conditions the top few inches of soil better than almost any other cover crop we've grown. Lacy Phacelia will germinate in soil temperatures greater than 37°F, with the optimal range being 60-70°F. Will readily re-seed if not dead-headed, and winter kills at 20°F. Recommended seeding rate: 3 ounces per 1,000 square feet or 7 pounds per acre.

#### WW4456C LACY PHACELIA

1 oz 4 oz 1 lb 5 lbs \$5.95 \$12.95 \$27.25 \$99.35

## **Cover Crop Blends**



TSC'S FALL MIX

(OP) (A) Take the guess work out of which cover crop to choose with this multipurpose blend that is perfect for fall sowing. Our mix will help control weeds and erosion while adding valuable nitrogen and organic matter. A balanced blend of Austrian Field Peas, Crimson Clover, Hairy Vetch, Annual and Winter Rye. Recommended seeding rate: 2–3 pounds per 1000 square feet; 100 pounds per acre.

#### WW4422C TSC'S FALL MIX

| 7220 130 3 1 | ALL WILL |         |
|--------------|----------|---------|
| 1 lb         | 5 lbs    | 10 lbs  |
| \$9.95       | \$35.65  | \$50.75 |
| 25 lbs       | 50 lbs   |         |
| \$109.35     | \$191.45 |         |

#### SUCCOTASH

(OP) Avena sativa, Hordeum vulgare L, Triticum sp. (A) This mix of oats, barley, and spring wheat produces a high-protein grain blend, rich nutritious feed for livestock, along with excellent quality bedding straw. Relatively fast-growing, it's a great selection for the self-sustaining poultry farmer, as chickens love it! A warm weather crop, Succotash should be sown in spring to summer for grain production, as it will winter kill. Recommended seeding rate: 80–100 pounds per acre.

#### WW4449G SUCCOTASH ORGANIC

**6** G 1 lb 5 lbs 10 lbs 25 lbs **7.95 \$23.85 \$37.95 \$82.9** 

## I AWN MIX



EcoEase Microclover And Fescue Lawn Mix

## ECOEASE MICROCLOVER AND FESCUE LAWN MIX

(OP) Festuca rubra, Festuca trachyphylla, Trifolium repens, Festuca ovina (P) Whether establishing a new lawn or rejuvenating an existing one, this versatile mix offers a hassle-free solution! Featuring a blend of three fescue varieties and microclover, it creates a thick ground covering that can withstand regular foot traffic and requires minimal mowing —only needing the occasional trim. However, if allowed to blossom, the clover will attract pollinators! Unlike traditional lawns, this mix demands less water, thrives in lessthan-ideal soil conditions, and can even flourish in partially shaded areas. Its dense clover growth naturally inhibits weed growth and the clover enriches the surrounding grass with nitrogen, eliminating the need for additional fertilization. Microclover exhibits resistance to pet damage, making it perfect for households with pets. This lush blend greens up earlier than conventional lawns and maintains its appearance until the first frost, or even throughout winter in warmer regions. Recommended seeding rate: 36 ounces per 1,000 square feet; 136 pounds per acre.

#### WW4409C ECOEASE MICROCLOVER/FESCUE MIX

| 4 oz                    | 1 lb               | 2 ½ lbs |
|-------------------------|--------------------|---------|
| <b>\$10.95</b>          | <b>\$26.95</b>     | \$54.95 |
| 5 lbs<br><b>\$92.25</b> | 10 lbs<br>\$169.95 |         |

# LONDON SPRING'S OG EASY PEAS & OAT BLEND

(OP) Pisum sativum and Avena sativa (A) Our go-to overwintering cover crop at London Spring Farms, this blend improves the soil and saves time with its quick break-down, allowing for earlier planting than other grain-legume mixes. This 60% peas and 40% oats mix offers a combination of nitrogen-fixing peas and a mineral-mining, nurse crop of oats. The peas produce rapid and heavy plant mass and oats yield dense, high-quality leafy growth and a soft structure for minimal effort to terminate and rapid decomposition. Planted in late summer/early fall, this crop will overwinter in mild areas and winter kill if temperatures drop below about 10°F. Early spring planting is also a great option in colder regions. Recommended seeding rate: 3-5 lbs per 1000 square feet; 75-100 pounds per acre.

#### WW4460G EASY PEAS & OAT BLEND ORGANIC

| 80 | 1 lb                        | 5 lbs                     | 10 lbs         |
|----|-----------------------------|---------------------------|----------------|
|    | \$8.95                      | <b>\$27.55</b>            | <b>\$41.55</b> |
| ou | \$8.95<br>25 lbs<br>\$84.55 | 50 lbs<br><b>\$141.50</b> |                |

## **Winter Cereal Grains and Grass Cover Crops**

Cereal grains and grasses grow very quickly and provide quick ground cover, even in cool weather. They can provide a tremendous amount of biomass that not only smothers weeds and prevents soil erosion but also puts huge amounts of green matter, or green manure, back into the soil, which improves the soil's tilth. These cover crops are nature's great nutrient recyclers. The plant's extensive root system pulls nitrogen and other minerals from deep within the soil, and stores these elements within its roots and leaf structure. Upon turning under the crop, nitrogen and other elements are released or recycled back just underneath the soil surface, so the next crop can utilize the nutrients that once was beyond reach and leaching away. Growing grains as a cover crop provides other options such as forage for animals or food for people. We strive to offer varieties that give gardeners flexibility on how to best utilize the crop: for food, forage, or green manure.



Winter Rye Grain

#### **WINTER RYE GRAIN**

(OP) Secale cereale (A) Rye is a cereal grain that should not be confused with rvegrass. which is for pasture, hay, lawns, and cover crop. Winter Rye is planted in the fall and can germinate and grow very quickly in cool soils. The fast growth of Winter Rye suppresses even the most noxious of weeds, and will do better than other grains in poor soils. It's the most cold-hardy of the grains able to withstand -30°F! Its long root structure will hold soils in place and prevent soil compaction and erosion, plus quietly siphon available nitrogen from the ground for recycling. In the spring you can decide how to best utilize this unique crop: use it as a green manure and return the biomass and recycled nitrogen back into the soil for the next crop; use it for animal forage; or just before seed set you could cut and use it for a very clean mulch to be used around other crops such as strawberries. Of course, you could let it fully mature and use the grain for making flour, rye bread, rye beer, or animal fodder. Sow seed late August-early September. Recommended seeding rate: 4-5 pounds per 1000 square feet; 75-150 pounds per acre.

#### WW4430C WINTER RYE GRAIN

| \$6.95 | \$20.55 | \$32.10 | \$70.35 |
|--------|---------|---------|---------|
|        |         |         |         |

## WW4430G WINTER RYE GRAIN ORGANIC

| <b>OG</b> 1 lb 5 lbs 10 lbs 2 \$7.55 \$22.95 \$35.60 \$ | 25 lbs |
|---|--------|
|---|--------|

#### **ANNUAL RYE GRASS**

(OP) Lolium multiflorum (A) Sow seed September through November. Nicely adapted to slightly acid to neutral soils. Slow initial growth, but forms a thick stand in the spring. Approximately 18–30 inches tall. Well adapted to late fall sowing. Has excellent root mass, and makes a good forage grass. Recommended seeding rate: 1 pound per 1000 square feet; 20–30 pounds per acre.

#### WW4420C ANNUAL RYE GRASS

| 1 lb                     | 5 lbs                     | 10 lbs         |
|--------------------------|---------------------------|----------------|
| <b>\$6.95</b>            | <b>\$20.05</b>            | <b>\$32.65</b> |
| 25 lbs<br><b>\$75.15</b> | 50 lbs<br><b>\$118.50</b> |                |



#### OATS

(OP) Avena sativa (A) This valuable cover crop has many uses. Oats' fast spring growth makes it ideal for erosion control and adds quick organic matter to the soil. As a fast germinating nurse crop, it will shade and keep the soil cooler for slower germinating legumes. Sow spring through summer. Although it will winter kill, oats can be planted in the fall and the residual plant material can be worked under in the spring to form a soft mellow seedbed. Oats will form seed heads the first year. You can mow it high to remove immature seed heads, or cut it for oat hay. Recommended seeding rate: 1–2 pounds per 1000 square feet; 50 pounds per acre.

#### WW4414C OATS

| 1 lb              | 5 lbs          | 10 lbs         |
|-------------------|----------------|----------------|
| <b>\$7.60</b>     | <b>\$20.65</b> | <b>\$34.25</b> |
| 25 lbs<br>\$75.95 | 50 lbs         |                |



#### FRIDGE™ TRITICALE

(F1) x Triticosecale (A) This cross of cereal rye and durum wheat produces a high-protein, winter-hardy crop for forage or grain production. Multi-tillered plants produce rapid early-season growth enabling them to fill in and cover the ground quickly for superior weed suppression. Its aggressive root system builds biomass while scavenging nitrogen. Recommended seeding rate: 50–120 pounds per acre with the lower end for forage and higher for grain production.

#### WW4457C FRIDGE™ TRITICALE

| 1 lb   | 5 lbs   | 10 lbs  | 25 lbs  |
|--------|---------|---------|---------|
| \$6.95 | \$22.10 | \$39.75 | \$84.45 |



Ruckwheat

#### **BUCKWHEAT**

(OP) Fagopyrum esculentum (A) Grows quickly to 24 inches in ordinary garden soil and has minimal nutritional needs. Should be tilled in when flowering begins (5–6 weeks after germination). The brittle plants are easy to chop up with a hoe, making it an easy cover crop to work with. Because of its dense growth, buckwheat can smother out the most tenacious weeds, even thistle! An excellent attractant for beneficial insects as well as a good thrip trap crop. Also works as an accumulator of insoluble phosphorus that is released back into the soil when tilled in. Sow spring to summer. Recommended seeding rate: 1 pound per 500 square feet; 50 pounds per acre.

#### WW4416C BUCKWHEAT

| 1 lb<br><b>\$8.95</b> | 5 lbs<br><b>\$25.45</b> | 10 lbs<br><b>\$39.25</b> |
|-----------------------|-------------------------|--------------------------|
| 25 lbs                | 50 lbs                  |                          |
|                       |                         |                          |

#### WW4416G BUCKWHEAT ORGANIC

| 86        | 1 lb<br><b>\$9.95</b><br>25 lbs | 5 lbs<br><b>\$33.25</b> | 10 lbs<br><b>\$45.00</b> |
|-----------|---------------------------------|-------------------------|--------------------------|
| <b>ou</b> | 25 lbs                          |                         |                          |

## **Cover Crop Chart**



Visit TerritorialSeed.com for a comprehensive yet concise chart of the planting and performance details for our cover crops, including a printable PDF.

#### **NEW Vegetable Gardening Made Easy**

By Resh Gala. Provides know-how to level up any food production space. Chock-full of beautiful color photos, this simple text will provide any level gardener with new skills. Covering



topics such as seed starting, season extending, propagation, pest control, compost preparation, maximizing yields of tomatoes and peppers, even kitchen notes and food preparation. Gala also explains some of the trending varieties in seed selection. It's all the tips and tricks to grow your best garden ever! Hardcover, 192 pages.

ZBK148 .....\$24.95

biochar

#### **Premium Organic BioChar**

Based on the wisdom of pre-Columbian people who made over 6000 years ago and established the fertile areas of Terra Preta in the Amazon.

Biochar is an exceptional, high-carbon, low-ash soil amendment that works in conjunction with water and fertilizers to hold and slowly release

moisture and nutrients

as the plants demand. Our biochar's enormous surface area makes it an ideal material for hosting beneficial microbial life in the soil. When incorporated into the soil, biochar offsets greenhouse gasses created during the natural decomposition of organic materials, improves the texture and tilth of both clay and sandy soils, reduces the need for irrigation, and tempers pH of acidic soil. This is the highest quality biochar available, made from sustainably managed wood that's thermally decomposed under carefully controlled, oxygen-starved conditions. Requiring only a one-time application, 1 cubic foot bag will cover approximately 12-24 square feet for vegetable plantings. Organic Materials Review Institute (OMRI) listed.

ZFE275\*.....1 cubic foot.....\$34.95

\* A SHIPPING WEIGHT 12 POUNDS

#### **Garden Sickle**

Japanese stainless steel is held in the highest regard, and this hand sickle's comfortable dimensions make its sharp, serrated blade perfect for tasks from harvesting cereal grains and pruning cane berries to simple hand weeding. We found its gentle curve especially useful for select asparagus harvests, cutting stalks an inch below the soil surface without disturbing the surrounding crop. A well-finished wood handle holds the 6 1/2 inch blade securely, for a total length of 14 inches. ZT0978.....\$19.95

## Brassica Cover Crops

More and more organic growers and gardeners are discovering the long list of benefits that growing fall-planted brassicas such as oilseed radish, mustards, and forage turnips can provide. The rapid fall growth of brassicas supplies a thick ground cover that protects the soil from erosion and helps suppress weeds with a dense amount of biomass. Some brassicas have a large taproot that can break through plow or rototiller pans, thus aerating the soil. The roots also scavenge nutrients from deep in the soil and bring them back to the surface where they can be utilized by your next food crop plantings. Other brassica species release chemical compounds that may be toxic to soil borne pathogens and pests such as nematodes, symphylans, and even some weeds. If left to flower, brassicas are especially popular with beneficial insects.

#### **GROUNDHOG DAIKON RADISH**

(OP) Raphanus sativus var. niger (A) 60 days. Daikon in Japanese means large root. There are perhaps hundreds of varieties of daikon radishes bred for different purposes: from the very mild carrot-shaped types for fresh eating and pickling, to the tillage types we sell here. This strain of daikon is referred to as a biodrill or tillage radish. Tillage radishes are specifically bred to form huge soil-busting roots, with a tap root that can reach far into the soil to reclaim nitrogen. The roots also leave large holes in the ground allowing water infiltration and soil aeration. They can even suppress weeds with their quick canopy cover, especially from August sowings. Once planted in late summer, the radishes are not harvested or turned under, but left to die off in the winter and decay to contribute a nitrogen store for spring planting. The extra long, 10-20 inch roots of Groundhog allows it to drill down and pull huge amounts of nutrients from deep within the soil, which the following crop can utilize. In just 6-8 weeks, Groundhog can capture 150-200 pounds of nitrogen per acre before winter killing. Plant in late summer. Recommended seeding rate: 1/2 pound per 1000 square feet; 10-12 pounds per acre.

#### WW4429C GROUNDHOG DAIKON RADISH

| 4230 GROOMDIIOG DAIRON RADISII |         |         |  |
|--------------------------------|---------|---------|--|
| 4 oz                           | 1 lb    | 2 ½ lbs |  |
| \$5.35                         | \$10.35 | \$21.95 |  |
| 5 lbs                          | 25 lbs  |         |  |
| 626 OF                         | 6140.00 |         |  |



Groundhog Daikon Radish



Pacer Forage Turnip

#### PACER FORAGE TURNIP

(F1) Brassica rapa (A) 50-70 days. A cross between a forage turnip and a forage rape. Fall sown turnips do an excellent job of suppressing weeds and are efficient miners and recyclers of existing nutrients in the soil. When turned under, they decompose very quickly. Livestock and deer can survive quite nicely all winter long dining on this high protein forage source. Pacer was bred for fast, vigorous establishment and quick maturity. It also has more leaf structure than most other forage turnips, and is multi-crowned for improved re-growth potential even after aggressive animal foraging. The high leaf-to-bulb ratio results in a very leafy crop with high digestibility your livestock will love. Sow spring to late summer. Recommended seeding rate: 1/4 pound per 1000 square feet; 5-7 pounds per acre.

#### WW4428C PACER FORAGE TURNIP

| 4 oz<br><b>\$5.35</b> | 1 lb    | 2 ½ lbs | 5 lbs   | 25 lbs   |  |
|-----------------------|---------|---------|---------|----------|--|
| <b>ຈວ.</b> ວວ         | \$10.35 | \$21.95 | \$36.95 | \$140.00 |  |

Austrian Field Peas

# **Legume Crops**

Winter season legume cover crops are an essential component of good soil management. Growing legumes overwinter and incorporating them back into the soil in the spring increases the organic carbon content and improves the fertility and water-holding capacity of the soil. Legumes obtain their nitrogen from nitrogen fixing bacteria, and can provide as much nitrogen for your next crop as fertilizer, containing 100-150 pounds of nitrogen per acre. For maximum nitrogen yields, legumes should be incorporated into the soil at peak bloom.

#### **AUSTRIAN FIELD PEAS**

(OP) Lathyrus hirsutus (A) This cold-hardy overwintering pea is an excellent choice for cooler, poorly drained soils that may not be conducive to other legumes. Fixes 70-120 pounds per acre of nitrogen. Sow in the fall or as soon as possible in the spring. Can be worked in late April or early May. Recommended seeding rate: 2-4 pounds per 1000 square feet; 75-100 pounds per acre.

#### **WW4407C AUSTRIAN FIELD PEAS**

| \$7.95 | \$24.35 | \$37.45 | \$85.40 | \$142.45 |  |
|--------|---------|---------|---------|----------|--|
| 1 lb   | 5 lbs   | 10 lbs  | 25 lbs  | 50 lbs   |  |

#### VERNAL SUMMER ALFALFA

(OP) Medicago sativa (A) Released in 1953, Vernal remains a very winter-hardy variety even in the most northern climates. At maturity, alfalfa can produce a huge amount of green biomass capable of putting back up to 10 tons per acre into the soil at plowdown. Generates 150–250 pounds of nitrogen per acre and also serves as a great forage crop for animals. Thrives in welldrained soils with a pH above 6.0. In gardens, prepare as you would a lawn with a fine and firm seed bed. The seed prefers good soil contact; sow about 1/4-1/2 inch. Roll with a lawn roller. Can be spring or late summer sown. You must plant 6-8 weeks before the first killing frost in the late summer to allow good establishment going into winter. Great for sowing between crop rotations as a high nitrogen producing cover crop. Recommended seeding rate:  $\frac{1}{2}$  pound per 1000 square feet; 15-20 pounds per acre. Pre-inoculated.

#### **WW4425C VERNAL SUMMER ALFALFA**

| 1 lb    | 5 lbs   | 10 lbs   |
|---------|---------|----------|
| \$13.95 | \$57.35 | \$106.25 |



#### **SMALL FAVA**

(OP) Vicia faba (A) In zones 7 and above, plant 3 weeks prior to your first killing frost. When fall sown, magnificent stands of impenetrable vegetation reach 6 feet by late May. Tolerant of temporarily waterlogged soils in winter. Winter hardy to at least 10°F. Spring sow in colder regions. Best stands obtained by planting 3 inches deep, but can also be broadcast at ½-34 pound per 100 square feet; 5 pounds per 1000 square feet, or 200 pounds per acre.

#### WW4403C SMALL FAVA

| 1 lb   | 5 lbs   | 10 lbs  | 25 lbs  | 50 lbs   |
|--------|---------|---------|---------|----------|
| \$7.95 | \$23.25 | \$36.45 | \$79.45 | \$130.00 |

#### HAIRY VETCH

(OP) Vicia villosa (A) Sow seed late August to mid-October. One of the more popular and aggressive legumes and a good companion crop for the cereal grasses. Hairy Vetch can enrich the soil with 60-120 pounds of nitrogen per acre. Tolerant of acidic soils, shade, and low temperatures. Hardy down to 10°F if planted early so that it is well established before winter sets in. If planted by itself, it can reach a height of 12-20 inches. It can be tilled under in the spring as with other green manures, or you can simply cut or mow to the ground (and keep cut) and plant your tomatoes and peppers. To avoid re-seeding, turn the crop under at or before flowering. Recommended seeding rate: 1 pound per 1000 square feet; 25-40 pounds per acre.

#### WW4410C HAIRY VETCH

|    | 0.55 | \$45.50 | Ç10.43 | <b>\$100.50</b> |
|----|------|---------|--------|-----------------|
|    | •    |         |        | \$160.50        |
| 11 |      | 5 lbs   | 10 lbs | 25 lbs          |

| <b>OG</b> | 1 lb<br><b>\$12.75</b> | \$48.95 | \$76.00 | \$169.95 |
|-----------|------------------------|---------|---------|----------|
| 00        | 1 lb                   | 5 lbs   | 10 lbs  | 25 lbs   |
|           |                        |         |         |          |

Common Vetch

#### COMMON VETCH

(OP) Vicia angustifolia (A) Similar to Hairy Vetch but grows much larger and has few tendrils, making tilling somewhat easier. This is the most vigorous of the vetches with excellent greenmatter production early in the season, which is a valuable forage crop and beneficial insect attractant. Produces 2-3 tons of dry matter per acre when grown alone and fixes 50-110 pounds of nitrogen per acre. If supported by a companion plant, it can reach 3-5 feet, otherwise expect growth to 22 inches. It tolerates light mowing or grazing. Seed early in the fall or spring/summer. Recommended seeding rate: 1 pound per 1000 square feet; 25-40 pounds per acre.

#### WW4411C COMMON VETCH

| 1 lb   | 5 lbs   | 10 lbs        | 25 lbs  |
|--------|---------|---------------|---------|
| \$7.95 | \$24.35 | \$38.90       | \$80.45 |
| \$1.33 | \$24.33 | <b>330.30</b> | 300.45  |



Small Fava

Hairy Vetch

## Clovers



Mammoth Red Clover

#### MAMMOTH RED CLOVER

(OP) *Trifolium pratense* var. *sativum* (B) An excellent fast-growing cover crop that can be planted almost any time of the year. More vigorous and tolerant of acidic soils than other clovers, Mammoth Red breaks up clay soils and can add as much as 200 pounds of nitrogen per acre. Reaching up to 3 feet in height at maturity, Mammoth Red Clover can provide enormous amounts of organic matter and tilth to your soil. Recommended seeding rate: ½ pound per 1000 square feet or at 20 pounds per acre. Pre-inoculated.

#### WW4434G MAMMOTH RED CLOVER ORGANIC

ØG

1 lb 5 lbs 10 lbs \$11.95 \$52.70 \$99.25 25 lbs 50 lbs \$230.90 \$399.95



FIXatioN Balansa Clover

#### **FIXATION BALANSA CLOVER**

(OP) Trifolium michelianum Savi (A) This newly released clover is a next-level cover crop. The most cold tolerant of annual clovers, FIXatioN Balansa can survive down to -14°F while producing huge amounts of biomass and fixing over 250 pounds of nitrogen per acre. A very vigorous grower, it will reach about 3 feet tall while branching out and spreading laterally with rangy stems up to 10 feet long. Underground its branching taproots can penetrate up to 18 inches in a mere 45 days to break up hard clay and greatly improve drainage. The crop can be grazed or mown for hay, and its flowers are powerfully attractive to pollinators. This exceptionally resilient variety is tolerant of drought, heat, cold, shade, acidic soils, and wet soil (including short durations of flooding). Recommended seeding rate: 5-8 pounds per acre. Pre-inoculated.

#### WW4455C FIXATION BALANSA CLOVER

| 1 lb<br><b>\$12.25</b> | 5 lbs<br><b>\$51.90</b> | 10 lbs<br><b>\$97.55</b> |
|------------------------|-------------------------|--------------------------|
| 25 lbs                 | 50 lbs                  |                          |
| \$226.90               | \$390.45                |                          |

#### **MICROCLOVER®**

(OP) Trifolium repens (P) Our shortest clover cover crop. Microclover® is an outstanding, durable. multi-purpose plant. It has naturally dense growth that provides excellent weed suppression. It fills in quickly but is not overly aggressive like some other perennial clovers, and its dwarf foliage creates a solid mass of durable, deep green, uniform leaves. The resilient, cold-hardy plants tolerate shade, both wet and drought conditions, foot traffic and very low mowing. Microclover® is an outstanding, low maintenance lawn companion to mix with grass. Left unmown, it will only reach 3-6 inches tall, but periodic mowing keeps it shorter and very lush. Seeding it in with a lawn, its nitrogenfixing ability helps feed the lawn for a naturally sustainable planting. Deep roots break up clay and reach farther for water, keeping it green when more shallow-rooted plants suffer. Pre-inoculated. Recommended seeding rate: 1 pound per 1000 square feet.

#### WW4462P MICROCLOVER® PELLETED

|   | 4 oz    | 1 lb    | 2 ½ lbs |
|---|---------|---------|---------|
| r | \$12.95 | \$39.75 | \$83.50 |

#### **CRIMSON CLOVER**

(OP) *Trifolium incarnatum* (A) A reliably winterhardy annual variety that does not multiply with runners (like perennial Red Clover does) and is easy to eliminate by tillage. Planted September through October, Crimson Clover forms a dense green carpet by mid-winter, fixing 125 pounds of nitrogen per acre and producing tons of humus. Does not perform well in waterlogged or acidic soils. Matures in June with crimson flowers on 18 inch plants. Shade tolerant and a great summer beneficial insect attractant. Sow ¼–½ inch deep in spring, summer, or fall. Recommended seeding rate: 1–2 pounds per 1000 square feet; 30–40 pounds per acre. Please note: only the conventional offering is pre-inoculated.

#### WW4408C CRIMSON CLOVER

| 1 lb<br><b>\$10.85</b><br>25 lbs | 5 lbs<br><b>\$39.95</b> | 10 lbs<br><b>\$67.15</b> |  |
|----------------------------------|-------------------------|--------------------------|--|
| 25 lbs                           | 50 lbs                  |                          |  |
| \$138.35                         | \$250.00                |                          |  |

#### **NEW ZEALAND WHITE CLOVER**

(OP) *Trifolium repens* (P) Growing to only 8 inches, this low perennial clover has a growth habit similar to White Dutch Clover but will stand drought conditions better, is more vigorous, and tolerates a wide range of soils. Used for both a spring and fall cover crop, New Zealand White Clover can be sown between row plantings or as a solid seeded cover. A terrific green manure as it fixes up to 170 pounds of nitrogen per acre and attracts beneficial insects. Recommended seeding rate: <sup>1</sup>/<sub>4</sub> pound per 1000 square feet; 6–10 pounds per acre. Pre-inoculated.

#### WW4412C NEW ZEALAND WHITE CLOVER

| 1 lb               | 5 lbs          | 10 lbs         |
|--------------------|----------------|----------------|
| <b>\$12.35</b>     | <b>\$51.25</b> | <b>\$95.15</b> |
| 25 lbs<br>\$224 50 | 50 lbs         |                |



Microclover®



Crimson Clover



New Zealand White Clover

#### **BERSEEM CLOVER**

(OP) *Trifolium alexandrinum* (A) One of the best nitrogen fixers, making 200–300 pounds per acre available. Extremely productive, it is an excellent forage as well as a green manure. An annual with ivory blossoms, Berseem will tolerate a wide range of soils and temperatures down to  $15\,^{\circ}$ F. Plant late summer to get the best winter cover; sow  $\frac{1}{2}$  inch deep. Height: 18-30 inches. Recommended seeding rate: 1 pound per 1000 square feet; 15-20 pounds per acre. Pre-inoculated.

#### WW4405C BERSEEM CLOVER

| 1 lb               | 5 lbs   | 10 lbs         |  |
|--------------------|---------|----------------|--|
| <b>\$10.35</b>     | \$38.30 | <b>\$67.45</b> |  |
| 25 lbs<br>\$146 95 | 50 lbs  |                |  |

## **Irrigation**





#### Ollas

A simple and effective solution to irrigation. Save time, energy and water with these subterranean irrigation pots. Made of unglazed, low-temperature fired terra cotta and designed to be buried neck deep in the soil with crops planted around them. Fill the olla with water and the moisture is drawn out through the olla's porous walls as the plants require it. Ollas virtually eliminate wasteful runoff and evaporation that are inherent in surface irrigation, as well as weed growth. Each olla includes a protective lid.

Medium Olla: 1.5 quart/1.6 liter capacity, for 22-24 inch diameter planting area or

Large Olla: 2.9 gallon/10.98 liter capacity, for a 36-48 inch diameter planting circle. ZSU867/1\* ...... Medium ......\$34.95 ZSU867/4\*\*....4-pack Medium......\$129.95 ZSU869\*\*\*.....Large ......\$59.95

SHIPPING WEIGHT 4 POUNDS SHIPPING WEIGHT 12 POUNDS SHIPPING WEIGHT 20 POUNDS

#### **Hose Nozzle**

The Hose Nozzle is perfect for chores from garden watering to truck washing, and turns a garden hose



into a multi-function spray tool. It features 5 spray patterns ranging from a gentle soaker spray to a forceful, powerful stream. Constructed of high-grade stainless steel, fiberglass-reinforced nylon, and non-corroding brass to resist breaks and leaks. Designed without washers that notoriously cause leaking, you'll never have to deal with water dripping down your arm again. In fact, the Hose Nozzle is so well made that the manufacturer guarantees it for life! Please note: color may vary depending on availability.

ZSU873.....

#### 1000 Water **Breaker® Nozzle**

Soften the flow! This micro-fine hose nozzle is the one we use in our greenhouses. It shatters the water flow



into an ultra-soft, aerated shower that won't displace seeds and soil or damage delicate plants. With 1,000 holes in the 2 inch head, the water flow is very gentle but with a volume high enough to irrigate quickly and efficiently. Threads onto standard 3/4 inch hose fittings. Handle not included. Made in the USA with a limited lifetime guarantee. ZSU907.....\$26.95

## **Greenhouses & Season Extenders**



#### **Three Shelf Greenhouse**

A greenhouse tailored to fit even the smallest spaces!

Just right for the urban, patio, or small-space gardener, this portable greenhouse combines the sturdiness and security of larger models in a space-saving, lightweight, easy-to-manage unit. Get a jump start on your planting with over 10 square feet of shelf space. Great for early-season seedlings or protecting established potted plants at summer's end. Extra-simple, tool-free assembly takes minutes. Measures 50 inches high, 27 1/2 inches wide, 19 ½ inches deep.

ZGR329\*.....\$99.95 A SHIPPING WEIGHT 11 POUNDS



#### **Victorian Bell Cloches**

Victorian Bell Cloches help keep small plants, seedlings, and cuttings safe from frost, wind, storms, birds, rabbits, and other pests. They are terrific for extending your growing season or overwintering tender perennials. Acting like a miniature cold frame, they capture maximum sunlight from all angles. Vented, too! Unlike glass cloches, these 12 inch wide and 10 ½ inch tall bells made of high-impact, UV-stabilized plastic are lightweight and won't easily break. May be secured with 4 Ground Pegs (ZGR314—available on our website). ZGR313 ......pkg of 3 .....\$35.95





#### **Sunbubbles**

Finally! A stylish, portable plant conservatory to fit your budget.

These dome-shaped greenhouses are roomy enough for large and climbing plants. Great for season extending or overwintering tender cultivars. The patented design allows the unique curved surface to always align at 90° to the sun's rays for optimum light penetration regardless of the time of day. The UV stabilized PVC cover features a rugged, zippered door and adjustable top vents for air circulation. Our easiest greenhouses to set-up and take down, the durable fiberglass rods are pre-set into the cover and make assembling the structure a quick, one-person task. Our versatile Sunbubbles can double as a play shelter or dining tent in rainy weather. Comes complete with a sturdy storage bag.

#### Sunbubble (A)

Measures 9 feet 2 inches in diameter, 6 feet 7 inches tall at the center.

ZGR337\*.....\$299.95

\* A SHIPPING WEIGHT 35 POUNDS

#### Giant Sunbubble (B)

Measures 11 feet 6 inches in diameter, 7 feet 2 ½ inches tall at the center.

ZGR338\*\*....\$419.95 \*\* A SHIPPING WEIGHT 47 POUNDS

#### **Tufflite IV - Cold Frame & Greenhouse Plastic**

A must for year-round gardening.

Tufflite provides shelter from excessive rain, wind, and frost, plus it resists cracking and yellowing for up to 4 seasons. Made of extra tough 6 mil copolymer that withstands high winds or heavy snows. We recommend using Tufflite over a frame. The framing you choose can be wood, plastic, or metal. We use a tunnel frame made from  $\frac{1}{2}$  or  $\frac{3}{4}$  inch PVC or black poly pipe. Cut ends of pipe at an angle with a hacksaw for easy soil penetration. Tufflite can be held securely to the frame with the "Garden Clip System" described on this page. The sizes of Tufflite offered are for making different sized tunnels.

| ZRC806*. | 6' x 16'              | \$40.95 |
|----------|-----------------------|---------|
| ZRC807** | 10' x 16'             | \$55.95 |
| ZRC808** | *20' x 16'            | \$90.95 |
| * 🙈 SHII | PPING WEIGHT 4 POUNDS | 3       |

\* WT SHIPPING WEIGHT 4 POUNDS

\*\* 🛕 SHIPPING WEIGHT 6 POUNDS

SHIPPING WEIGHT 11 POUNDS

#### **Fleece Tunnel**

The simplest and most effective plant protection system.

Cover an entire 10 foot row of crops and protect them from cold, insect pests, and marauding animals. This fully-integrated wire hoop and fleece row cover tunnel assembly utilizes 7 wire hoops sewn directly into the cover. Secure the tunnel in seconds by pushing the hoop ends into the garden soil. Ends of the tunnel are drawstring-close for extra security, or fold back the ends to allow flow-through ventilation. Tunnel is  $1\frac{1}{2}$  feet wide, 1 foot tall and 10 feet long. Simple installation; no assembly required!

ZRC749\* .....\$24.95

\* A SHIPPING WEIGHT 3 POUNDS

#### **Gro-Therm Perforated Transparent Film**

Heat-loving plants rejoice!

Designed to warm up the growing environment for heat-loving crops like melons, eggplants, peppers, etc. Especially good in northern gardens and for very early plantings. Gardeners can expect daytime temperatures under this film to be almost 10 degrees higher than under Reemay. Gro-Therm is better than floating row covers for crops that need high light intensity and warmth. Gro-Therm's evenly spaced holes allow for consistent growing conditions. The 1 mil film has 300 holes per square yard for ventilation, eliminating the need to remove the cover on a hot day.

ZRC799......6' x 20'......\$17.95 ZRC800......6' x 50'.....\$22.95

#### **Hoop Support Wires**

Eleven curved pieces of galvanized 9 gauge wire, each 46 inches long and 30 inches across at the base.

ZRC748\* ...... 11 hoops ......\$33.95

\* A SHIPPING WEIGHT 5 POUNDS

#### **Fabric Staples**

These handy  $6 \times 1$  inch staples are great for holding down most garden fabrics. Made from sturdy 11 gauge metal.

ZRC746......30 staples.....\$14.95

#### **The Garden Clip System**

These nifty garden clip fasteners secure greenhouse film, row covers, shade cloth, or even bird netting securely to a pipe frame and hold well in high winds. The benefits of the Garden Clip System are: start your seedlings earlier, add extra warmth for heat-loving plants, provide temporary shade in hot months, extend your harvest well into fall or even garden yearround, and keep birds from your berries.

| Tunnel Design Chart |                      |                                  |                 |                 |              |
|---------------------|----------------------|----------------------------------|-----------------|-----------------|--------------|
| Width of greenhouse | Length of greenhouse | Number of clips                  | Number of hoops | Length of pipe  | Size of pipe |
| 1 ½'-2'<br>"        | 4'-5'<br>10'<br>20'  | 10 med.<br>15 med.<br>20 med.    | 3<br>4<br>5     | 5'-6'           | 1/2"<br>"    |
| 2 1/2'-3 1/2'       | 4'-5'<br>10'<br>20'  | 10 large<br>20 large<br>30 large | 3<br>4<br>5     | 6'-8'           | 3/4"<br>"    |
| 3 ½'-4'             | 4'-5'<br>10'<br>20'  | 20 large<br>35 large<br>45 large | 3<br>4<br>5     | 7'- <b>12</b> ' | 3/4"<br>"    |

#### Build your own Garden Clip greenhouse to fit your needs.

Fit the exact size and shape you want using your own pipe and sheeting. Visit our website for guidance when designing a tunnel.

**Garden Clips:** The medium size clip fits ½ inch pipe and the large size fits ¾ inch pipe. You will need approximately 1 Garden Clip for every 2 square feet you wish to cover or for every 1 square foot in windy conditions.

**Hoops:** Use  $\frac{1}{2}$  or  $\frac{3}{4}$  inch poly pipe cut to 5–12 foot lengths. Slip longer lengths over  $\frac{1}{2}$  inch rebar stakes driven into the ground. Complete instructions included.



| Large G | arden Clip | )S      |
|---------|------------|---------|
| ZRC737  | 20 clips   | \$39.95 |
| ZRC738  | 50 clips   | \$82.95 |













## Crop or Floating Row Covers

Protect your crops from harsh winter temperatures and precipitation, as well as insect and animal pests, with floating row covers. These lightweight fabrics are gently placed directly on the plants or over direct seeded rows, being careful to leave slack to allow for growth expansion as the crop develops. They hold warmth and can insulate from frost, so more tender crops will survive longer than unprotected plants. Row covers freely pass air and water, requiring no special ventilation or watering. As an insect screen, floating covers work well on flying insects, however, we suggest using the Insect Barrier for this purpose. Anchor with a light sprinkling of soil around the edges, or use Fabric Staples. No hoops or supports needed, it just floats on top of plants. Defeats carrot rust fly, cabbage fly, leaf miners, aphids and flea beetles. Lasts 1–4 seasons depending on its accumulated exposure to the sun.











Grow Guard 20

Summer Insect Barrier

Micromesh

Frost Blanket Reemay

#### **Grow Guard 20**

At 0.6 ounce per square yard, Grow Guard 20 is less abrasive to young plants than Reemay. This polypropylene fabric allows 85% light transmission. A single layer provides frost protection down to 27°F if there is no breeze.

| ZRC823       | 6' x 20'       | \$26.95 |
|--------------|----------------|---------|
| ZRC824       | 6' x 50'       | \$32.95 |
|              | 6' x 250'      |         |
| * A SHIPPING | G WEIGHT 8 POU | NDS     |

#### **Summer Insect Barrier**

Keep unwanted insects out.

#### **Frost Blanket**

Works like a warm winter coat, protecting plants down to 24–26 °F. Cover plants before the frost comes, and uncover during the day when temperatures rise above 32 °F. This hefty polypropylene fabric is three times the thickness of Reemay and weighs 1.5 ounces per square yard. Allows 50% light transmission. Durable enough for multiple-season use. Porous to air and water and UV stabilized so it won't deteriorate quickly in sunlight.

| ZRC830  | 6' x 20' | \$34.95 * | M SHIPP  |
|---------|----------|-----------|----------|
| ZRC831* | 6' x 50' | \$59.95   | WEIGHT 5 |

# \* SHIPPING WEIGHT 5 POUNDS

#### Reemay

We have sold Reemay for decades, and its reputation and name recognition are well known to home gardeners. Weighing in at a very light 0.6 ounce per square yard, this polyester fabric allows 75% light transmission. Provides frost protection down to  $30\,^{\circ}$  F.

| ZRC811  | 67" | x 20'  | .\$25.95 |
|---------|-----|--------|----------|
| ZRC812  | 67" | x 50'  | .\$40.95 |
| ZRC814* | 67" | x 250' | 104.95   |

\* A SHIPPING WEIGHT 6 POUNDS

#### **Micromesh**

Ultra fine, 0.6 millimeter, UV stabilized floating row cover keeps out the smallest of insects. The greenish-yellow tint provides shade and retains moisture, while allowing sunlight, direct watering, and easy access to crops. Can easily be cut to fit.

ZRC833..... 67" x 16' ..... \$27.85



#### **Silver Mulch**

Drives bugs away!

This amazing plastic mulch repels hungry, disease-carrying insects. The shimmering silver, high-density polyethylene plastic causes insects such as thrips, aphids, and white flies to avoid the area near your plants. Good for all types of plants. We use it regularly on all brassica crops. It's the best defense mustard plants have against flea beetles. A must in the organic garden.

| ZRC796 | 4' x 20' | \$17.95 |
|--------|----------|---------|
| ZRC797 | 4' x 50' | \$22.95 |



#### **Shade Cloth**

\* 🗥 SHIPPING WEIGHT 3 POUNDS





# Universal Mobile Phone Microscope 60x

Turn your mobile phone and its camera into a high-powered microscope.

This very simple to use tool clips onto your smartphone, aligning with the camera lens, and instantly brings tiny subjects into crystal clear focus. A 60x magnification and integrated UV and LED lights allow you to meticulously examine your plants, insects and anything else. Record your observations with your phone's camera, or remove the clip to use the microscope without the phone. Complete with storage cover and batteries.

ZTO918.....\$13.95

## **Natural Fertilizers & Soil Amendments**

#### SeaCoast Compost

A planting mix/soil amendment that's based on proven Biodynamic principles for building your garden ecosystem health from the soil up. With healthy, vital, balanced soil, your crops and the resulting harvests are



\* A SHIPPING WEIGHT 38 POUNDS



#### **Bio-Fish All Purpose**

Now apply the same fertilizer that we use at London Spring Farms.

7-7-2 An all-natural fish fertilizer that provides all the nutrients required by plants in the proper ratio while building soil humus. Improves soil quality by loosening clay soils to promote deep root growth and allow better penetration of water and nutrients. In sandy soil, it improves nutrient content and moisture retention by adding humus. Organic Materials Review Institute (OMRI) listed.

| ZFE235*   | 5 lbs  | \$19.95  |
|-----------|--------|----------|
| ZFE236**  | 25 lbs | \$59.95  |
| ZFE237*** | 50 lbs | \$109.95 |

\* A SHIPPING WEIGHT 6 POUNDS

\*\* SHIPPING WEIGHT 26 POUNDS

\*\*\* SHIPPING WEIGHT 51 POUNDS

#### NEW SeaCoast Tea™ Compost Tea Bags

Nourish your plants and soil with compost tea. Made from mineral-rich oceanic life and a plethora of botanicals, this compost tea will boost plant growth and increase vigor while helping to protect against disease. Increases necessary nutrients and, with the help of beneficial bacteria, improves the plant's ability to absorb nutrients. Make a foliar spray or apply as a root drench via direct watering. One tea bag makes approximately five gallons of compost tea.

ZFE157 ...... 4 pack...... \$18.95



#### **Big Foot Mycorrhizae**

Biochar meets Mycorrhizae!

Both biochar and mycorrhizae are enjoying a spotlight in sustainable agriculture. Our Big Foot products bring these two valuable components together along with supportive ingredients to assist your plants' growth and improve the soil. Biochar's structure provides the ideal housing for mycorrhizae, and worm castings, kelp, micronutrients and trace minerals feed your crops while helping the mycorrhizae become established. The mycorrhizae form a symbiotic relationship with the roots of plants, protecting them and encouraging their growth. You'll see improved root growth, reduced transplant shock, reduced stress from drought, and increased yields along with better water retention, soil fertility and beneficial microbe populations in the soil. Organic Materials Review Institute (OMRI) listed.

#### **Big Foot Root Boost**

product.

A natural microbial alternative to fertilizer!

Root Boost's active ingredient is a powerful nitrogen-fixing bacterium called Azospirillum brasilense. With that in your soil, your plants will enjoy elevated nitrogen availability for enhanced growth, better root production and reduced stress. Our Root Boost is a super concentrated form of Azospirillum and is easy to apply to cuttings, transplants and established plants. Give your plants what they need, and watch them thrive! Great for indoor and outdoor plants, lawns, gardens, ornamentals, fruits, trees, shrubs and more! Mix 1 teaspoon into a gallon of water and water into established plants. Each 2 ounce package contains approximately 12 teaspoons of

ZFE272 ...... 2 oz ...... \$11.95



#### **Big Foot Granular Mycorrhizae**

Spread this easy-to-handle granular formula in the bottom of the planting hole when transplanting for maximum root contact. Inoculate soil mixes by combining 3 tablespoons of granular in one cubic foot of soil. Each 4 ounce package contains approximately 10.75 tablespoons of product.

ZFE273 ...... 4 oz...... \$13.50

#### **Big Foot Concentrate Mycorrhizae**

Mix a teaspoon of this fine powder formula into a gallon of water for a root drench. Re-apply every 2–3 weeks, and use on established plants that have been treated with the granular formula at transplant. Each 8 ounce package contains approximately 50 teaspoons of product.

ZFE274 ...... 8 oz...... \$29.95



#### **Professional Hand Sprayer**

Easy to use, high-powered, pump-action pressurized sprayer.

This versatile, durable applicator handles just about any job from misting seedlings, applying pesticides, dispensing compost tea, spraying cleaners and more. The heavy-duty, poly, 2 liter tank generously holds plenty of liquid, and a few quick pumps pressurizes the tank, and you're ready to spray. With just a twist of the nozzle, adjust the spray from an atomized mist for fine coverage to a laser-straight stream for accuracy. The comfortable handle, thumb-operated trigger, and convenient trigger lock all make this industrial-quality tool a pleasure to use.

ZHG389 ..... \$32.95





#### **Arber Plant Food**

#### **Arber Bio Insecticide**

Additional Arber products available on TerritorialSeed.com

#### Fish & Seaweed Fertilizer

2–3–1 This rich, balanced blend of fish and seaweed gives your plants the nutrients they need for strong, healthy growth, abundant blooms, and flavorful harvests. Produced using a unique cold process that protects the vitamins, amino acids and enzymes for a truly vital source of nutrition. We use Fish & Seaweed at our farm and love the results. A highly concentrated blend requiring only 1 ounce per gallon of

water. Can be used as a foliar feed, soil drench or compost activator. Organic Materials Review Institute (OMRI) listed.

ZFE269\*......1 qt......\$24.95

\* A SHIPPING WEIGHT 4 POUNDS

#### Territorial's Complete Fertilizer

6-5-3 Increases yields and production in your garden!
Our blend is an all-natural product that provides all essential elements for a truly superior plant fertilizer. Great for all your vegetables, herbs, and flowers. Contains fish bone meal. blood meal.



\* A SHIPPING WEIGHT 6 POUNDS

\*\* SHIPPING WEIGHT 26 POUNDS

\*\*\* SHIPPING WEIGHT 51 POUNDS





#### **Age Old Fertilizers**

These all-natural, fast-acting formulations are two of our favorite liquid fertilizers. Use the Grow formula for promoting leafy, green growth and overcoming stress. The Bloom formula encourages early bud formation, fruit set and increases germination rates. Both of these well-balanced, odorless concentrates are great complements to our complete fertilizer. One quart makes up to 32 gallons.

#### Age Old Grow 12-6-6

ZFE255/1QT\* ...... 1 qt...... \$22.95

\* A SHIPPING WEIGHT 4 POUNDS

#### Age Old Bloom 5-10-5

ZFE256/1QT\* ...... 1 qt...... \$22.95 \* 🗥 SHIPPING WEIGHT 4 POUNDS

#### **Seed Starting Mix**

\* A SHIPPING WEIGHT 5 POUNDS

\* A SHIPPING WEIGHT 7 POUNDS



## **Insect & Pest Control**

#### **Neem Max**

A powerhouse of pest and disease control! Neem Max is a concentrated, 70% cold-pressed neem oil solution. Mixed with water, it functions as an insecticide, fungicide, miticide and nemacide, controlling all life stages of insects as well as



fungal diseases. Processed without the use of toxic solvents or heat, Neem Max is an unadulterated neem extract that mixes easily with water. It retains its critical biologicals as well as Azadirachtin and other compounds that interfere with insect feeding, reproduction and their overall life cycles. Use as a foliar spray or soil drench. One pint makes up to 20 gallons. Approved for organic gardening by the USDA's National Organic Program (NOP).

#### **Monterey B.t.**

Tomato hornworms attacking your beautiful tomatoes? Fight back with *Bacillus thuringiensis*! This naturally soil-occurring bacterium paralyzes the digestive tract of insects including caterpillars, loopers, cabbage worms, and leafhoppers. Won't harm beneficial insects, animals, or humans. One pint



makes 24–32 gallons of finished spray. Treats up to 10,660 square feet. Organic Materials Review Institute (OMRI) listed.

ZIN503......1 pint.....\$24.95



#### **BirdBlock Protective Netting**

Keep thieving birds out.

Protects fruit trees, berry bushes, and vegetables from thieving birds and other garden pests. The ¾ inch durable polypropylene mesh provides total protection. Available in three convenient sizes.

| ZRC752  | 7' x 20'  | \$17.95 |
|---------|-----------|---------|
| ZRC753  | 14' x 14' | \$24.95 |
| 7RC754* | 28' x 28' | \$50.95 |

\* A SHIPPING WEIGHT 3 POUNDS



#### **Fruit Tree Cover**

A nearly fool-proof, chemical-free method of protecting fruit trees from insects, birds, and

This ultralight, 1mm mesh is large enough to envelop an entire dwarf or semi-dwarf tree. Big but simple to use, you and a friend can cover a tree in just minutes to effectively block fruit flies, moths, wasps, birds and more from damaging your fruit tree crops. Place on trees in early spring, removing when blossoms begin to open to allow pollinators to do their job. Once the flowers drop their petals. the cover can be replaced to protect forming fruit. Durably constructed with reinforced seams, heavy-duty Velcro closing and toggled drawstring base. Soft green color blends with the landscape. Measures 9 feet, 8 inches square.

ZRC768\* .....\$99.95

## \* A SHIPPING WEIGHT 11 POUNDS

## **Beneficial Insects**

#### **PLEASE READ BEFORE ORDERING:**

Beneficial insects will be shipped immediately when ordered unless prior arrangements have been made with our office. Delayed shipments are not always possible. Additional shipping charges may be applied to delayed shipments.

Biological controls have been used for thousands of years and they should be a part of your pest control program. Beneficial insects work by attacking pest insects and thus reducing their numbers. It is important to note that total elimination of pests is not required to grow good crops; it is only necessary to reduce pests below the damage threshold for the crop being grown. When using beneficial insects, it is important to avoid disruptive chemicals. Complete instructions included with each order.

We recommend releasing beneficial insects outdoors from April through September, based on your local weather conditions. They may be released in your greenhouse anytime. Available only within the contiguous US.

#### **Predatory Nematodes**

Works on soil-dwelling pests! Steinernematid/Heterorhabditis mix. Predatory nematodes attack soft-bodied, slow-moving insect pests. They do not affect earthworms or plants. They are the only biological control that works below the soil surface. Apply in a spray tank or fertilizer injection system when soil temperatures are above 55°F. One package of 1 million nematodes treats up to 3000 square feet. You may store the nematodes in a refrigerator for up to 1 month. Information sheet included in each package.

ZBG013 .....\$29.95

## **Green Lacewings**

Eats both aphids and whiteflies! Chrysopa rufilabris This is a voracious predator, attacking almost any soft-bodied insect that crosses its path. Best known for eating aphids and whiteflies (up to 60 per hour). Lacewings are shipped to you hatching or close to hatching by the time you receive them. When released they will lay eggs and provide several generations of predators. About 5,000–10,000 lacewings will cover the average yard. Complete instructions are included. Green lacewings are shipped express and should be released upon arrival.

ZBG021 ...... 1,000 eggs .....\$44.95 ZBG022 ...... 5,000 eggs ..... \$59.95





## **Soil Testing**



#### **Digital Soil Test Kit**

Our most popular soil test kit goes digital! Take the guesswork out of soil testing with this 4-in-1 kit. Measure N, P, K and pH quickly and simply. Mix soil (or a water/soil solution) in a test tube, add the contents of the appropriate capsule, mix and allow the color to develop. then slide the test chamber into the machine to read the results. Comes complete with color-coded test tubes with a handy storage dock, batteries, instructions and reference guides, test capsules for 10 pH tests and 5 each N, P, K for a total of 25 capsules. ZHG395 ......\$41.95



#### **Digital 3-Way Analyzer**

Combines the most important soil tests. This digital analyzer provides quick and easy-to-read soil testing for pH, temperature and fertility. The fertility function reads the combined levels of nitrogen, phosphorus and potash to determine the nutrient health of the soil. Batteries, guides and instructions included.

ZHG396 ......\$39.95

## **Electronic** 4-Way Analyzer

Just 1 tool accurately measures 4 critical tests!

All plants prefer certain growing conditions. With this multipurpose meter, you can easily measure soil pH and moisture. light intensity, and combined nitrogen,



phosphorus and potash levels. You can then monitor and adjust the conditions to meet the needs of the plant. Included is a handy guide with recommendations on how to adjust conditions to meet the ideal plant preference.

ZHG398 .....\$39.95

## Tools



#### **NEW** No 12 Saw

French made since 1890, this handsaw is ideal for cutting large stalks and accessing hard-to-reach vines and small branches up to approximately 3 inches in diameter. Constructed with a durable carbon blade protected by an anti-corrosion coating, this tool has a double row of ultra-sharp teeth angled toward the handle for smooth and easy cutting.

ZTO154 .....\$37.95



#### 6-in-1 Multi Sharpener

Keep all your cutting tools razor sharp with this handy, all-purpose sharpener. It handles pruners, shears, scissors, knives, axes, and more with 4 different sharpeners on one convenient, handheld, tungsten carbide tool. Durably built with a hand guard for extra safe use, non-slip grip, bright orange color for easy locating, and included machine oil and applicator that store in the handle for lubricating and protecting your blades.

ZT0860.....\$16.95



#### **Stainless Steel Snips**



#### **The Hero Hori**

Made to tackle any down-and-dirty weeding, digging, dividing, cutting, and planting job, our Hero Hori is built of hefty solid steel with a very handsome, inlaid Cocobolo wood handle. The 7 ½ inch blade is double sided—one is serrated for ripping through roots, and the other is just plain sharp. The blade features inch markings for a handy planting depth and spacing gauge and a twine cutter at the base that conveniently doubles as a bottle opener to help quench a hard-working gardener's thirst. Comes complete with beautifully tooled leather holster and sharpening tool. Overall length: 12 ½ inches.

ZT0845 ......\$59.95



#### **Kana Hoe**

Nimble and durable, this Japanese-designed hoe maneuvers around delicate plants, loosens the soil, and cuts away tenacious weeds with a super sharp blade. Constructed of a single piece of hardened, solid steel with a hardwood handle. The Kana Hoe's blade is 4 inches long, and the tool is 10 ½ inches long. Available only in right-handed.

ZT0967 ..... \$19.95



### **Handy Hoe**



#### **Garden Ninja**

The thin, high tensile stainless steel blade slices effortlessly through packed soil, cutting weed roots off underground. Great for any garden bed, it is especially handy for weeding tight spaces like planters, window boxes, raised beds, and between rows. The large opening leaves soil in place. The efficient design allows you to cultivate near existing plants without damaging their roots. Total length is 12 inches.

ZT0962 ...... \$19.95



#### **SowEZ**

This innovative hand seeder with oscillating disc action provides 4 different seed holes, easily changed without requiring disassembly. From small seeded brassicas and carrots to a variety of larger sizes, each hole is sized to provide easy seeding of pelleted or non-pelleted seed. Its UV-resistant body comes apart for easy cleaning; while a clear, windowed hopper cover allows monitoring and one-handed refills of your seed. Designed by market farmers and built in the USA. ZSE841......\$25.95



#### **Bypass Pruner**

A durable pair of bypass pruners is a must for every gardener. We love this tool with its smooth operation and easy, squeeze-to-unlock action. Constructed for years of service, the SK5 steel holds an edge and handles anything from pruning branches and harvesting squash to cutting delicate flower stems. Ergonomic, non-slip grips and an included spare spring round out this indispensable tool. ZT0851......\$29.95



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Please note: Full balance of your order will be charged at the time order is placed.

Gladiator Allium

Backpacker Tulip



City of Vancouver Tulip



Darwin Oxford Tulip



Sunny Side Up Narcissus

## **Fall Planted Flower Bulbs**

Winter gardening isn't all about cabbage and cover crops. We see fall-planted bulbs as a gift to one's future self. The bulbs sit tight in the ground until spring, when they burst from the soil and start their show. Our selection of bulbs are cold hardy perennials and return to greet each spring.

#### **NEW GLADIATOR ALLIUM**

Allium'Gladiator' (P) Gladiator is the whole package for flowering alliums! The spectacular, 6 inch blooms start appearing in late spring and stick around until early summer, attracting bees and butterflies to your garden. Plants grow up to 42 inches tall, are deer resistant, and make a great addition to the flower bed as well as cut flower arrangements, both fresh and dried. Hardy in zones 3–9.

XB038C GLADIATOR ALLIUM 4 bulbs 8 bulbs \$19.95 \$39.95 Ships September

#### NEW BACKPACKER TULIP

Tulipa 'Backpacker' (P) One of the best cut flowers you'll find! These large, vibrant purple, peony-like double blooms are truly hypnotizing. Stays nice on the kitchen table for at least three weeks—and won't make a mess as the flowers dry out! Spring blooming, 14–16 inches high. Hardy in zones

XB037C BACKPACKER TULIP
6 bulbs 12 bulbs
\$12.95 \$19.95
Ships September

#### NEW CITY OF VANCOUVER TULIP

Tulipa 'City of Vancouver' (P) Buttery yellow to bright white blooms sit atop sturdy stems reaching 22–24 inches tall. These late-blooming tulips are great mixed with earlier varieties of tulips and other spring bulbs. Long-lasting cut flowers. Hardy in zones 3–8.

XB036C CITY OF VANCOUVER TULIP 12 bulbs 24 bulbs

2.95 \$19.95 Ships September

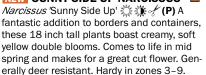
## DARWIN OXFORD TULIP 🎹

Tulipa Darwin hybrid Oxford (P) A classic red tulip with petal edges softening to an orange glow. The 22–24 inch plants produce large, long-lasting flowers with a sweet fragrance. Enjoy the fiery display of hot colors early in the spring and cut to bring indoors for a stunning arrangement. Hardy in zones 3–8.

XB101C DARWIN OXFORD TULIP

15 bulbs 30 bulbs **\$14.95 \$29.95** Ships September

## **NEW** SUNNY SIDE UP NARCISSUS



XB034C SUNNY SIDE UP NARCISSUS 5 bulbs 10 bulbs \$12.95 \$19.95

Ships September

# NEW FRAGRANT TAZETTA MINNOW NARCISSUS

Narcissus 'Minnow' (\*\*) (P) This miniature daffodil produces multiple yellow and white flowers per 10 inch stem, bringing a pop of colorful joy to flower beds, window boxes, rock gardens, and borders. Blooms are fragrant and short-cupped. Make a wonderful cut flower, too! Blooms in early-to-mid spring. Generally deer resistant. Hardy in zones 3–9.

XB089C FRAGRANT TAZETTA MINNOW NARCISSUS

\$26.95 \$39.95 Ships September

## NEW PAPERWHITE NARCISSUS

Narcissus papyraceus (P) These fragrant, easy-to-grow fall bulbs are perfect for adding joy to your home during the cold winter months. Paperwhites can be forced in sandy cactus soil, marble stroke, hydro beads, or gravel. Plant at least three bulbs per pot—the more you have, the better the results! These large, 15/16cm bulbs will bloom about three to four weeks after planting, depending on temperature. If you want beautiful blooms for Christmas, plant the bulbs indoors in early November. In Southern states with no danger of freezing temperatures, bulbs can be planted outside in October, November, and December

#### XB010C PAPERWHITE NARCISSUS

6 bulbs 12 bulbs **\$16.95 \$30.95** Ships October

Flower bulbs on pages 58–59 ship in September or October. Order early for best availability. Detailed planting instructions are included with each order, and may be obtained on our website. Available only within the contiguous US.



Fragrant Tazetta Minnow Narcissus



Paperwhite Narcissus

#### **CAMAS**

Camassia quamash ☼ ☀ ★ (P) Electric blue to indigo, star shaped flowers create a dramatic backdrop to the bright yellow anthers. One to three inflorescences emerge on a single stalk and tall raceme is excellent for cutting. This unique meadow bulb tolerates wetland conditions and deep shade in the spring, preferring to dry out later in the summer. Endemic to western North America and naturalizing abundantly. This native species was an essential food source for Indigenous people, producing sweet, edible bulbs when roasted. Hardy in zones 3-8.

XB110C CAMAS

20 hulbs \$10.95 \$21.95 Ships September

#### SAFFRON CROCUS T



Crocus sativus (P) This authentic Saffron Crocus has been cultivated for its valuable spice production since antiquity for the world trade. Each fall blooming flower produces three colorful red stigma which are hand plucked, imparting fragrance, flavor, and color to a variety of dishes. The flowers are lilac purple deepening to plum and reach 4-5 inches. Fall blooming and should be planted immediately upon arrival. Naturalizing in sunny, dry soil. Hardy in zones 6-9.

**XB055C SAFFRON CROCUS** 

10 bulbs 20 hulbs \$21.95 \$14.95 Ships September 30 bulbs \$29.95

#### SNOWDROP NIVALIS



Galanthus nivalis 💥 🐞 (P) Common snowdrop is very early blooming (mid-February through early March) forming naturalized clumps in woodland settings, or any shade garden bed. The 4-6 inch blooms are fairylike, evoking the first stirrings of spring often emerging in the snow and ice. A cold hardy, wild type that is a must have for any bulb lover! An established clump will last indefinitely. Hardy in zones 3-8.

**XB102C SNOWDROP NIVALIS** 

10 bulbs \$9.95 \$16.95 Ships September

30 bulbs \$21.95

#### NEW SPRING FLOWERS OASIS BLEND

🎇 (P) Muscari armeniacum, Crocus tommasinianus, Narcissus 'Tete-a-Tete', Scilla siberica, Iris reticulata 'Harmony', Chionodoxa luciliae 'Alba' Transform your garden into a serene meadow with our Spring Flowers Oasis Blend—a perfect combo of different textures and colors. This exquisite mix features handpicked species ideal for naturalizing, including Grape Hyacinth, Crocus, Daffodil, Siberian squill, Iris, and Glory-of-the-Snow. These early-blooming, low-growing perennials deliver a burst of vibrant color after winter's chill fades, filling your garden with a cheerful medley of blossoms. With their easy care and self-propagating nature, these hardy plants will bring beauty to your garden for many years to come. Hardiness zones: Grape Hyacinth (3-8), Crocus (3-8), Daffodil (3-9), Siberian squill (2-8), Iris (5-9), Glory-of-the-Snow (3-8).

#### **XB086C SPRING FLOWERS OASIS BLEND**

40 bulbs 80 bulbs \$26.95 \$39.95 Ships September

#### NEW BOWL OF CREAM PEONY



Paeonia lactiflora 💢 🖟 (P) These creamy white, double blooms grow up to a whopping 8 inches in diameter! The fragrant flowers emerge in late spring to early summer when planted in the fall or early spring. Perfect for container gardens and a great addition to a bridal bouquet. The 24-36 inch plants are drought tolerant, easy to grow, and attractive to pollinators. APS (American Peony Society) Gold Medal award winner. Hardy in zones 3-8.

#### **XB012C BOWL OF CREAM PEONY**

1 bulb 3 bulbs \$36.95 \$89.95 Ships September

## NEW BIG BEN PEONY 💮



Paeonia lactiflora (P) Don't miss out on this showstopping peony! Boasting giant, 7 inch, sweetly fragrant blooms in an eye-catching red hue, Big Ben is fantastic in the garden and the bouquet. Sturdy stems grow up to 36 inches. Early blooming, long lasting, and heat and drought tolerant. Hardy in zones 3-8.

#### **XB069C BIG BEN PEONY**

3 hulbs 1 bulb \$19.95 \$36.95 Ships September



Muscari Paradoxum 💸 💸 🔏 (P) True blue is rare in the botanical world and these 19th century heirloom bulbs bloom in a cascade from bright robin's egg blue to a deep indigo, into an electric violet. The 6-8 inch plants are easy to grow with a long bloom time from April through May. Extremely winter hardy (zones 3–8) and naturalizing into clusters.

#### XB107C PARADOXUM MUSCARI

\$9.95 \$19.95

Ships September







Snowdrop Nivalis



Spring Flowers Oasis Blend



Bowl of Cream Peony



Big Ben Peony





Saffron Crocus



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