









Welcome to the 2022 NOFA Tri-State Bulk Order. Thank you for participating!

## The NOFA Tri-State Bulk Order will be accepting orders from January 1st to January 31st.

Your Bulk Order team is thrilled to present 'the 2022 NOFA Tri-State Bulk Order! Participating in the Bulk Order is a great way to access important products at affordable prices while supporting NOFA at the same time.

There are a number of new developments with this year's bulk order that we are very excited about:

- Pickup Sites new sites + news There is a new, Providence-area pickup site, hosted by Julius Kolawole at Bami Farm in Johnston RI. Welcome aboard!! Also, two of our long-term site coordinators, Julie Rawson (Barre), and Cathleen O'Keefe (Belchertown) have both resigned from their sites. Thank you so much to both of them for their years of dedication and service! We are excited to offer a new Barre-area site at Dismas Farm, Oakham Mass, with Jen Burt as the new site coordinator. The Belchertown site will continue operation at its long-standing site, NESFI, but with NOFA/Mass staff member and Soil Tech Coordinator, Ruben Parrilla, as the site coordinator.
- Brand New Website We have rebuilt our bulk order website from the ground up, and are very excited about the new shopping experience at <a href="www.nofabulkorder.org">www.nofabulkorder.org</a>. You can browse items, place your order, and pay for it easily and securely. You can also submit your order online without paying and mail a check post-dated by 1/31/22 (your order will be confirmed upon receipt of payment). Orders can also be placed via our two-page order form; simply fill out the required fields and mail your order form with payment to the address below. If using the order form please note the item numbers after the description of each item.
- Equity Discount / Pay it Forward In an effort to increase access to nutritious food, NOFA is also offering an Equity Discount to communities and families that either live in food deserts, are experiencing food insecurity, or are challenged by the lack of access to healthy food. This is a new opportunity this year that is designed to increase and facilitate gardening opportunities in communities in need, and to help compensate for the current voids or challenges related to food access. NOFA/Mass is able to offer these discounts thanks to donations from individuals and groups that would like to offset the food production expenses of communities in need. Anyone interested in contributing to the Equity Discount Fund to offset the Bulk Order purchase expenses for communities in need can do so by contacting bulkorder@nofamass.org.
- Seedling Sale We are excited to offer seedlings available for the first time this year! In partnership with Red Fire Farm, an organic farm in Montague, we will be offering a variety of cool-season and summer vegetable, flower, and herb field start seedlings to jump-start your spring planting. Seedlings will be available in trays of 128's, 72's, and 32's based upon the crop type, please see the catalog for additional details regarding varieties and tray sizes. Seedlings will be available for pickup from the following pickup sites: Oakham, Providence, and Springfield, as well as directly from Red Fire Farm's Montague Farm at 184 Meadow Street, Montague, MA (if you're interested in purchasing seedlings at our Sherborn site please contact Silverwood Farm directly at www.silverwoodorganicfarm.com). Alliums, onions, and kale will be available for pickup on Saturday, April 16, 2022; all remaining

- seedlings will be available for pickup the third week in May we will follow up with a specific pickup date and time.
- **Tuber Sale** This year we have a new ordering process in place for tubers, onion sets, and exotics that will allow us to offer a greater selection than ever before. Please see details in the **Tuber Sales** section on page 6.

As with last year, COVID has impacted product availability, and some of the items we know and love are increasingly difficult to come by. We have opted to carry a limited selection of products, and have decided to not include items that will likely be unavailable. We are additionally keeping in close communication with our suppliers throughout the Bulk Order, and doing everything we can to provide you with all you need for your farm or garden, despite the pandemic. We are also in close communication with our sites and site coordinators, ensuring that the 2022 Bulk Order will be as safe and responsible as possible.

For the sake of space, we have included only brief descriptions of the products. If you want more information on the items, please look them up on the supplier website. If you are looking for participating suppliers' products not listed on our form, we may be able to order them for you. **Contact the Bulk Order Team** (bulkorder@nofamass.org) by Friday, January 21<sup>st</sup> for price, availability, and ordering instructions for special orders before you complete your form.

## A Note for Certified Organic Farms:

Baystate Organic Certifiers has reviewed and allowed all items with a few exceptions, which are clearly noted near the price. Many items are <u>Restricted</u> and identified by asterisks \* and other symbols; read section headers for details. Approvals differ by state. RI growers should check with their certifier.

Happy ordering and thank you for supporting NOFA!

Your Bulk Order Team,

David, Ruben, Christine, Ulum, Jocelyn, Barrie, Laura, and Richard bulkorder@nofamass.org

### 2022 Bulk Order Pickup Sites and Coordinators:

- **BELCHERTOWN, MA**: NESFI, 275 Jackson St, Belchertown, MA 01007
  - Coordinator: Ruben Parrilla, 617-519-0516, ruben@nofamass.org
- CHARLESTOWN, RI: Earth Care Farm, 89 Country Drive, Charlestown, RI 02813
  - Coordinator: Jayne Senecal & Nikki LaMonica, 401-364-9930, jayne@earthcarefarm.com
- DALTON, MA: Holiday Brook Farm, 100 Holiday Cottage Road, Dalton, MA 01226
  - Coordinator: Luke Pryjma, 413-281-2651, lukepryjma@gmail.com
- MERIDEN, CT: High Hill Orchard, 86 Fleming Road, Meriden, CT 06450
  - o Coordinator: Deb Legge, 203-676-0742, debct55@gmail.com
- OAKHAM, MA: Dismas Family Farm, 687 Lincoln Rd, Oakham, MA 01068
  - o Coordinator: Jen Burt, 508-882-0000, jenekb@gmail.com
- PROVIDENCE, RI: Bami Farm, 2321 Hartford Ave, Johnston, RI 02919
  - o Coordinator: Julius Kolawole, 401-441-4082, jokolawole@gmail.com
- SEEKONK, MA: Early Dawn Farm, 521 Prospect St, Seekonk, MA 02771
  - o Coordinator: Matt & Tammy Goudreau, 508-642-2453, chickenfarm521@hotmail.com
- SHERBORN, MA: Silverwood Organic Farm, 195 Western Ave, Sherborn, MA 01770
  - Coordinator: Richard Robinson, 508-653-5421, rrobinson@nasw.org
- SPRINGFIELD, MA: Gardening the Community, 200 Walnut St, Springfield, MA 01105
  - Coordinator: Andrew Laurion & Anna Gilbert-Muhammad, 413-222-749, andrew@nofamass.org / anna@nofamass.org
- WEST WAREHAM, MA: Progressive Grower, 81 Charlotte Furnace Road, West Wareham, MA 02576
  - o Coordinator: Steven Rittenhouse, 774-320-0255, stevensfarmstand@gmail.com

### **Pickup Dates:**

- 3/12/22 Potting soil, tools, amendments, seed, and other items
- 4/16/22 Tubers, Onions, select seedlings (Alliums, Onions, Kale), backordered items
  - Third week of May (date tbd) Summer seedlings

Site pickup hours vary; details will be released as we get closer to the pickup date.

## Suppliers

- ECF Earth Care Farm, RI: compost & potting soil. www.earthcarefarm.com
- NCO North Country Organics, VT: mineral amendments & fertilizers. www.norganics.com
- OGS Organic Growers Supply & Moose Tubers, ME: mineral amendments, cover crop seeds, useful items, potato & allium seed. www.fedcoseeds.com
- PGS Progressive Grower, MA: useful things & cover crop seed. <u>www.progressivegrower.com</u>
- VCC Vermont Compost Company, VT: compost & potting soil. <u>www.vermontcompost.com</u>
- WR Wiggle Room LLC, CT: worm castings and compost tea brewer. www.wiggleroom.org

### **Payment & Submitting Orders:**

Orders can be easily placed and paid for online, www.nofabulkorder.org.

If you prefer to pay by mail, please fill out your order form neatly, including item numbers. Don't forget to designate your pickup site! Mail order form with payment. *Orders must be post-marked by February 1<sup>st</sup>*. No late orders will be accepted.

Orders & Payment:

NOFA/Mass ATTN: Bulk Order PO Box 60043 Florence, MA 01062

If you need your compost and potting soil before the Pickup Date, you may be able to arrange that. Please contact the Bulk Order Team to make arrangements. About a week before pickup, we'll email you a reminder including any special instructions for your site. Please bring a copy of your order form to pick up and check all items before leaving. Any problems should be reported to your Site Coordinator. You must pick up your order on the pickup date unless prior arrangements have been made with your Site Coordinator.

### **Volunteering:**

As always, the Site Coordinators can use help unloading the truck, organizing, and breaking down orders. Many of our farms are busy preparing for the season, so all of your help is greatly appreciated. Supplier orders will be delivered on Tuesdays 3/8/22 and 4/12/22 (tubers and onions), weather conditions permitting. To lend a hand, check "I can volunteer" on your order form, and your site coordinator will then be in touch about volunteer shifts. **Due to Covid, we will be limiting numbers and spacing out volunteers according to how many people can work in an outdoor space with plenty of physical distancing.** Volunteering is a great way to meet other NOFA members and to participate in a wonderful communal tradition. This is another reason why we are able to save money – everyone chips in a little work.

### **Volume Discount:**

If your order totals over \$500 (before taxes and membership), you may deduct 2%; over \$1,000 deduct 3%; over \$2,500 deduct 4%. If you qualify for the discount and must pay Massachusetts Sales Tax, figure the tax after calculating the discounted total.

### Taxes:

If you are picking up your items at a Massachusetts site, you must pay a 6.25% sales tax on all items with item numbers between 300 and 399, regardless of the state you live. You can claim exempt status if your business is not-for-profit (include copies of forms ST-5 and ST-2) or if you are a commercial farm (include a copy of Form ST-12, downloadable from <a href="www.mass.gov/dor">www.mass.gov/dor</a>). Sales tax will be charged unless exempt status documentation accompanies the order form.

### **Pallet Deliveries:**

We can offer full-pallet pricing for most of the minerals and fertilizers listed; prices for bulk loads of compost & potting soils are already listed. For pallet pricing, you must coordinate with the Bulk Order Team (bulkorder@nofamass.org) for your drop delivery at a pre-designated site. Delivery sites must be accessible by an 18-wheel truck. Please contact us to determine pallet pricing and drop shipping rates. You are responsible for offloading pallets.

### **Refunds:**

If any product problems arise, contact the Bulk Order team immediately (<u>bulkorder@nofamass.org</u>). All refunds will be issued after the April Pickup Day. Refund amounts under \$5 will be donated to NOFA/Mass, unless requested otherwise by phone or email.

**Certified organic growers** who buy products through this order are still responsible for their own documentation. In the case of non-organically grown cover crop seed, onion sets, and shallots, you must demonstrate organic sources were unavailable. Contact Baystate Organic Certifiers (<a href="mailto:baystateorganic@earthlink.net">baystateorganic@earthlink.net</a>, 774-872-5544) with any questions.

Questions? Please contact the Bulk Order Team at bulkorder@nofamass.org

#### **Tuber Sales:**

This year we are offering a new ordering system for tubers and exotics directly through our supplier, Fedco/Moose Tubers. The direct ordering system maintains the existing NOFA Bulk Order discount while offering an increased selection of tubers, onions, sweet potato slips, and exotics, including ginger and turmeric seed. Please note that this will require two separate orders, one with most bulk order items through the NOFA Bulk Order site and one for tubers through the Fedco's website – www.fedcoseeds.com/moose. As with all NOFA Bulk Order purchases, your purchase directly through Fedco will include all shipping and delivery costs. Please see the following timeline for delivery and pickup information:

- Onion plants Ship directly to you according to USDA Hardiness Zone (Zone 7: February 14, Zone 6: March 7, Zone 5: April 4), or you may request a different shipping week when placing your order
- **Ginger and turmeric** Ship directly to you in early March
- Tubers Pick up on Saturday, April 16, 2022
- Sweet potato slips Ship directly to you from May 15-25

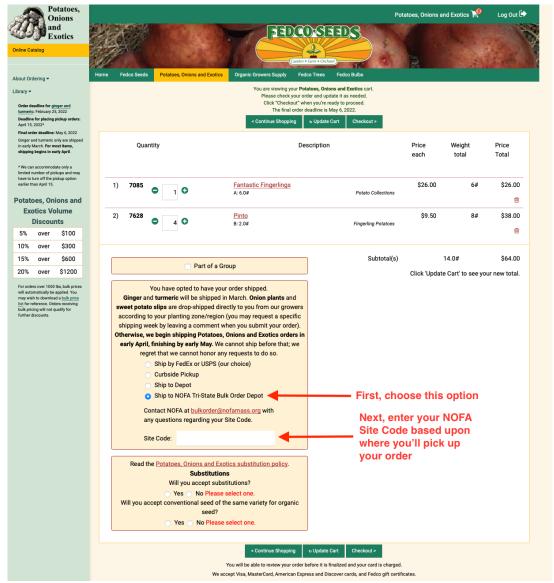
### Detailed Instructions for ordering tubers, onions, and exotics in the 2022 Bulk Order:

In order to place your order, please visit www.fedcoseeds.com/moose and select the tubers, onions, and exotics that you're interested in purchasing. In order to put something into your cart, select the red "Log In to start or resume an order" button towards the bottom of the product page. You will be required to enter your email address and shipping zip code, after which point you can add items to your cart.

Once you have added everything you'd like to purchase to your cart, click on your cart at the top right side of the page:



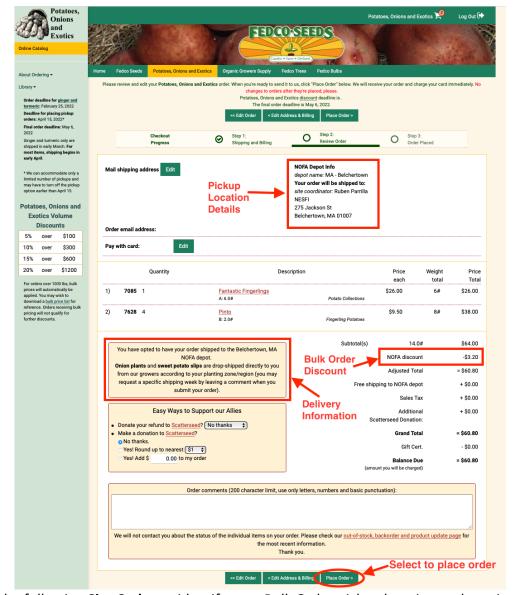
Once in your cart, select the "Ship to NOFA Tri-State Bulk Order Depot" in the large beige box below your cart summary and then enter your **Site Code** based upon where you will pick up your NOFA Bulk Order products and tubers. Pickup locations and their corresponding **Site Codes** are below.



After reading and agreeing to the Potatoes, Onions and Exotics substitution policy, click the green "Checkout" button at the bottom of the page to finalize your order. Upon acceptance of the **Site Code**, your order will be marked to ship to that site (or directly to you, if applicable), and your discount will be automatically applied.

On the next page, enter your Contact Information, Delivery Address, confirm your NOFA Depot Order Info, and enter your Delivery Address and Payment Information, then select "Save Changes & Continue" at the bottom of the page to continue to finalize your purchase. Your order will <u>not</u> be finalized until after you complete checkout on the following page.

On the following page, confirm all details are correct. It is on this page that you will see the NOFA Bulk Order discount applied to your cart, as well as details regarding your pickup location and delivery information. If everything is correct, select "Place Order" at the bottom of the page to complete your order.



Please refer to the following **Site Codes** to identify your Bulk Order pickup location and receive your tubers discount:

Site Name	Site Address	Site Code (use this for discount!)
Oakham	Dismas Family Farm 687 Lincoln Road Oakham, MA 01067	NOFAOA
Belchertown	NESFI 275 Jackson Street Belchertown, MA 01007	NOFABE
Charlestown	Earth Care Farm 89 Country Drive Charlestown, RI 02813	NOFACH
Dalton	Holiday Brook Farm 100 Holiday Cottage Road Dalton, MA 01226	NOFADA
Meriden	High Hill Orchard 86 Fleming Road Meriden, CT 06450	NOFAME
Seekonk	Early Dawn Farm 521 Prospect St Seekonk, MA 02771	NOFASE
Sherborn	Silverwood Organic Farm 195 Western Avenue Sherborn, MA 01770	NOFASH
Springfield	Gardening the Community 200 Walnut Street Springfield, MA 01105	NOFABESP
West Wareham	Progressive Grower 81 Charlotte Furnace Road West Wareham, MA 02576	NOFAWW
Providence	Bami Farm 2321 Hartford Ave Johnston, RI 02919	NOFAPR

## 2022 NOFA Tri-State Bulk Order Form

Please print neatly





Name		
	above)	Circle Your Pickup Site:
NOFA State Chapter	<u></u>	Belchertown
Address		Charlestown
	State Zip	Dalton Meriden
Phone	Email	Oakham
Can you help sort orders (mid-delive	Providence	
$\square$ Yes, I am available these days: $\_\_$	Seekonk	
$\square$ Sorry, not available.	Sherborn Springfield	
	NOFA/Mass post-dated on or before 2/1/21, and mail to , PO Box 60043, Florence, MA 01062 tp://www.nofabulkorder.org/	West Wareham

Pickup Days for most sites\*: March 12 (all items except tubers & onions) & April 16 (tubers & onions) \*Site pickup hours vary; see your site's schedule for specifics.

Quantity	Item #	Item Size	Item Name	Item Price	Total
Need more sp	pace? Use page	e 2!		Page 2 Total	
				SUBTOTAL	
Non-memb	er only: add	<b>10%</b> to subtota	I		
	f subtotal) if a ), subtotal x .0		00, subtotal x .03 • Above \$2,500, subtotal x .04		
			on item #s 300-399. 500, apply discount, then subtotal x .0625		
Delivery co	<b>st</b> for full pall	ets and drop sh	ip: contact Bulk Order Coordinator to determine price.		
Membershi	p dues (see b	<b>pelow)</b> State _	Level		
				GRAND TOTAL	
Membership Membership	-	nembership is:	☐ Current ☐ Renewing (see below) ☐ New ☐ Non-N	1ember	

MA: \$25 Low Income, \$40 Individual, \$50 Family/Small Farm/Organization, \$75 Large Farm/Business, \$125 Premier Business, \$250 Supporting, \$1000 Lifetime

RI: \$25 Student/Senior, \$35 Individual, \$50 Family, \$60 Farm/Non-Profit, \$125 Supporter, \$250 Friend of NOFA/RI

CT: \$30 Student/Senior, \$50 Individual, \$60 Family, \$125 Farm/Business/Non-profit, \$200: Supporting Member, \$500: Garden Club Club, for your group, \$2,000: Lifetime Membership

# 2022 NOFA Tri-State Bulk Order Form



## Pickup Days for most sites\*:

March 12 (all items except tubers & onions) & April 16 (tubers & onions)

\*Site pickup hours vary; see your site's schedule for specifics.

Quantity	Item #	Item Size	Item Name	Item Price	Total
				Page 2 Total	

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# **Potting Soil & Compost**

Contact Bulk Order for all sling (1 cubic yard bag) orders. Driveway access for large shipping trucks required for sling orders.

**Compost:** This compost blend is the basis of all the soil mixes we make. Raw materials are assembled in windrows, monitored for temperature and air supply, and turned as needed. All composts are tested for maturity before blending and vending, and are free of live weed seed. Blended from bovine, equine, and avian manures; food residuals; spoiled silage; bark; late-cut hay; mature compost; sphagnum peat moss.

**143-VCC,** 6 qt \$6.00 / 20 qt \$8.00 / Sling \$408.00

Compost Plus: A high nutrient blend of compost and mineral amendments for boosting transplants and rejuvenating soil mix. BeInded from composted manure and plant materials, blonde horticultural grade sphagnum peat moss, crushed and screened granite and basalt, blood meal, kelp meal, steamed bone meal, mined gypsum, vermiculite, washed coconut coir, and biodynamic preparations.

**144-VCC,** 20 qt \$14.00 / 60 qt \$35.00 / Sling \$677.00

Compost Tea Brewer: Our custom designed fully-aerobic compost tea brewer is built so that the entire tank receives even, constant aeration throughout the brewing process. Our brewers can take a couple pounds of Vermicompost and, through an aeration process, multiply the microorganisms and create gallons of highly nutritious Vermicompost Tea.

**381-VCC,** 7 gal \$650.00 / 15 gal \$825.00 / 30 gal \$950.00

**Kind Earth Super Soil:** Our worm castings are produced locally in Connecticut from only organic inputs. They are regularly tested via microscopy to ensure an optimal level of micro-organic life to benefit your plants.

**301-ECF,** 1 cubic yard \$465.00 / 1/2 cubic foot \$17.00

Perennial Blend: This blend is formulated for organic growing in large pot, container, and bed culture where a coarse texture is preferred. Particularly suited for woody plants, shrubs, herbs, perennials, and the mulching of vegetable and flower beds (this is the mix we recommend if you need a complete soil to fill a raised bed). Blended from: manure compost; bark; crushed, washed screened granite/basalt blend; sphagnum peat moss; coconut coir; vermiculite; kelp; blood meal; gypsum; bone meal.

**380-VCC,** 6 qt \$7.00 / 20 qt \$10.00 / 40 qt \$17.00 / Sling \$581.00

Raised Bed Mix: Our Raised Bed Mix is designed for directly planting and sustaining heavy feeding plants for years. Just fill your beds with this mix, plant and water. That's all you need! We combine our microorganism-rich compost with peat moss, and minerals. Earth Care Farm Raised Bed Mix is approved for use on organic farms through BayState and RIDEM.

**2-ECF,** 1/2 cubic foot \$10.00 / 1 cubic yard \$198.00

**Screened Compost:** 40 lbs of worm castings contained in a 10 gallon tote with a breathable plastic lid

**3-ECF,** 1/2 cubic foot (30 lbs) \$9.00 / 1 cubic yard (sling) \$168.00

Coir Blocks: This premium washed low-EC coconut coir is a biodegradable and environmentally sound substitute for peat moss. Compressed blocks of coconut fibers (coir) swell to eight or nine times their original size when placed in hot water. The fibers are quite short but have excellent moistureretention capacity. pH 5.0-7.0, electrical conductivity of less than 0.5 S/m. Use in potting mixes or to add organic matter to your soil. Improves aeration and nutrient retention. Easy to store and ship. Coir has been commended by the Wildlife Conservation Society as ecologically sustainable. Each block expands to approximately 2½ cubic feet once hydrated. To hydrate, set up a large container with 6-8 gal of water. Allow the block to soak for about twenty hours, or until it's wet through and breaks apart.

**Kind Earth Super Soil:** Our worm castings are produced locally in Connecticut from only organic inputs. They are regularly tested via microscopy to ensure an optimal level of micro-organic life to benefit your plants.

**301-ECF,** 1 cubic yard \$465.00 / 1/2 cubic foot \$17.00

Living Acres Germ Mix ( 2 cu ft): A light-textured potting soil with extra perlite, screened to \_". Recommended for the smallest flower and herb seeds. Seedlings more than three weeks old should be fertilized or transplanted to a more nutrient-rich blend to grow out. Made in Maine.

**303-OGS**, \$25.00

**90-OGS**, \$18.00

Perennial Blend: This blend is formulated for organic growing in large pot, container, and bed culture where a coarse texture is preferred. Particularly suited for woody plants, shrubs, herbs, perennials, and the mulching of vegetable and flower beds (this is the mix we recommend if you need a complete soil to fill a raised bed). Blended from: manure compost; bark; crushed, washed screened granite/basalt blend; sphagnum peat moss; coconut coir; vermiculite; kelp; blood meal; gypsum; bone meal.

**380-VCC,** 6 qt \$7.00 / 20 qt \$10.00 / 40 qt \$17.00 / Sling \$581.00

Rice Hulls 7 cu ft: A great alternative to perlite in your growing medium—carbonaceous, renewable and less dusty to mix. May be included at up to a third of your potting mix by volume. Also used as a mulch for container plants to retain soil moisture and improve microbial activity. Parboiled to eliminate viable weed seeds. Improves aeration and retains moisture. May cause rapid surface dryout even when underlying soil moisture is ample; be sure not to overwater. Remains stable during the average plant production cycle with minimal nitrogen tie-up.

**91-OGS**, \$28.00

Fort Light: Developed for organic growers seeking a compost-based soil with the handling and watering characteristics of a peat-perlite mix. A complete germinating and transplant mix, Fort Light is particularly desirable for growers using smaller celled flats or hanging baskets. Blended from manure compost;sphagnum peat moss;coconut coir;perlite;gypsum;blood meal;kelp;bone meal.

**378-VCC,** 6 qt \$7.00 / 20 qt \$13.00 / 60 qt \$32.00 / sling \$629.00

Fort Vee: Developed for organic growers seeking a compost-based germination and/or transplant mix. Designed for soil blocks, trays, and pots. Blended from manure compost;sphagnum peat moss;crushed, washed screened granite/basalt blend;coconut coir;vermiculite;gypsum;blood meal;kelp;bone meal.

**379-VCC,** 6 qt \$7.00 / 20 qt \$13.00 / 60 qt \$32.00 / Sling \$629.00

Jolly Roger \*\*NEW\*\*: Specifically crafted for container cultivation of cannabis and hemp cultivars with high-nutrient needs, this mix contains ample fertility to carry fast-growing annuals from a vigorous vegetative phase through to a bountiful finish. Excellent yields are, in part, dependent upon sufficient root space; so growers are encouraged to use a container sized to accommodate a root volume as large as the plant they hope to grow. Blended from manure compost;sphagnum peat moss;crushed, washed, screened granite/basalt blend;coconut coir;vermiculite;perlite;blood meal;kelp;gypsum;bone meal. **377-VCC,** 20 at \$15.00 / 60 at \$37.00 / Slina \$650.00

Potting Soil: Designed for potting up seedlings, house plants, window boxes, etc. We combine our microorganism-rich compost with peat moss, perlite, vermiculite, vegetable protein meal (from kelp and other vegetable sources), animal protein meal (fish, crab, and other animal sources), bone meal, (natural) sulfate of potash, (natural) sulfate of potash/magnesia, and phosphate rock. Great texture for making soil blocks. Earth Care Farm Potting Soil is approved for use on organic farms through BayState and RIDEM.

**302-ECF,** 1/2 cubic foot \$12.00 / 1 cubic yard \$250.00

Worm Castings: Everything Wiggle Room sells is produced locally in Connecticut from only organic inputs. Theyare regularlytested via microscopy to ensure an optimal level of micro-organic life to benefit your plants. Due to their high nutrient content, worm castings should be applied to your plants as a top-dressing or mixed with other soils/composts at a 1:10 ratio to spread the beneficial micro-organisms.

**146-WR,** 4# \$25.00 / 15# \$56.00 / 10 Gal \$100.00

# **Inoculants**

**Alfalfa And Clover Inoculant treats 50#:** For alfalfa, sweet clover and all the Trifolium clovers we list.

**55-OGS**, *\$9.00* 

**BioCoat Gold:** BioCoat Gold™ is a dry-blended biological seed treatment and inoculant. It is a blend of natural seaweed, concentrated humic substances and other nutrients designed to support germination and strong initial growth. ioCoat Gold acts as a catalyst for seed germination and will not only speed the rate of germination, but also improves the consistency with which your seeds will germinate. Seeds that germinate together will pass through growth stages together and will be ready to harvest together. BioCoat Gold contains beneficial microbes and serves as a soil microbial inoculant to boost microbial populations needed for sustained nutrient availability throughout the growing season. BioCoat Gold also contains the nutrients and microbes needed to sustain plants through their initial growth stage. BioCoat Gold is the simplest and most economical way to coat your fields in life.

ioCoat Gold should be applied to your seed to coat the entire seed at a rate of 2-4 ounces per 100 pounds of seed. Smaller seed will require more material for optimum coating since there is more surface per 100 pounds of seed.

**22-AEA,** 1# \$64.00 / 5# \$276.00

BioGenesis I NP (1 acre volume): BioGenesis™ I NP is a combination of beneficial soil microbes and humic acids that can quickly improve the activity and efficiency of the soil biological system. Can be applied through irrigation, sprayed on soil, or added to transplant solution.

ow crops: apply in seed row at a rate of 1 lb/acre oot dip: dilution 1 lb/20 gal water otted plants: 1 gram/6" pot into potting soil mix. Use approximately 10g per cubic yard of soil mix **25-AEA**, \$109.00

**Myco Seed Treatment:** A blend of microorganisms and mycorrhizal fungi to provide protection and growth enhancement for potatoes, corn, legumes, grasses and vegetables. Highly recommended if you cut your seed potatoes. 1–2 oz treats 100# of potato seed pieces, 4–8 oz/100# of other seed. **57-OGS**, 1 oz \$8.00 / 1 lb \$69.00

MycoApply Endo/Ecto: Four species of endomycorrhizal fungi, 7 species of ectomycorrhizal fungi, 5 species of beneficial bacteria. About 90% of plant species form beneficial relationships with mycorrhizal fungi. Add to seedbeds when sowing and work into the soil around your trees and shrubs to boost root growth, nutrient uptake and the health of your plants and soils. When seeding use 1 tsp/ft, in beds mix in 2#/100 sq ft. When transplanting bare-root trees, use 1 oz/inch of stem caliper. For restoring fields broadcast 60#/acre before or during planting. 58-OGS, 1# \$25.00 / 40# \$580.00

**Peas & Vetch Inoc treats 50#:** Use for our PVO Soil-Building mix and our Hairy Vetch/Winter Rye mix. Also treats garden peas, lentils, favas, bell beans

**56-OGS**, \$9.00

**Spectrum:** Spectrum<sup>™</sup> contains a multiple species blend of plant growth promoting rhizobacteria (PGPR) and other beneficial plant growth promoting microorganisms (PGPs). This specially formulated soil inoculant enhances and restores beneficial soil microbe populations to augment the natural organic processes that occur in healthy soils. The beneficial soil-based microorganisms in Spectrum™ break down and release vital nutrients (such as phosphorus, nitrogen, calcium, iron, and more) stored in soil particles, making the nutrients more readily available to the plants in forms they can absorb. Growth-promoting microorganisms produce organic acids and amino acids, which dissolve and make available (chelate) mineral nutrients. Spectrum™ assists and speeds nature in decomposition and recycling of organic matter into an important substance known as humus, building

richer, healthier soil. pply at a rate of 50g/acre

**26-AEA,** 1 acre \$26.00 / 10 acre \$196.00

Spectrum PSB (1 acre volume): Spectrum PSB™ contains a higher ratio of phosphorus solubilizing biology to be used where phosphorus is needed in greater quantity, or where the soil is low in phosphorus.

he beneficial soil-based microorganisms in Spectrum™ break down and release vital nutrients (such as phosphorus, nitrogen, calcium, iron, and more) stored in soil particles, making the nutrients more readily available to the plants in forms they can absorb.

lant growth-promoting microorganisms produce organic acids and amino acids, which dissolve and make available (chelate) mineral nutrients. pectrum™ assists and speeds nature in decomposition and recycling of organic matter into an important substance known as humus, building richer, healthier soil.

pply at a rate of 75 g/acre **27-AEA**, *\$38.00* 

# **Cover Crops**

Alfalfa, Hardy OG: Medicago sativa Perennial legume. Up to 3' high. This fragrant plant with beautiful purple flowers is a favorite for multi-year stands. Home gardeners like to cut it and add it to their compost piles. Herbalists consider it a valuable nutritive tonic. Excellent feed for all classes of livestock. Best suited to light welldrained soils because alfalfa's taproot makes it susceptible to heaving. Delicate seedlings benefit from a nurse crop of barley or oats. Seed coated with Summit Seed Coatings Apex™ Green Hydroloc, an OMRI-Listed® pre-inoculant. As perennial hay: Typically interplanted with grass in organic systems. Often rotated with field corn on livestock farms (2-3 year alfalfa stand followed by 1-2 years of corn). As cover crop: An excellent choice to build organic matter and nitrogen in fields that will be taken out of production for more than one year. Regular mowing will help deter quackgrass and annual weeds. Seed at 25#/acre, 15# in mixes, ½#/1000 sq ft.

**4-OGS,** .5# \$11.00 / 2# \$30.00 / 20# \$110.00

Alice White Clover (not org): Trifolium repens Perennial legume. Up to 12". Vigorous large-leafed white clover. Readily self-seeds. Excellent for improving soil quality in areas transitioning from woody growth; plant with Annual Ryegrass for this purpose. Efficient fixer of nitrogen. Excellent as perennial grazing pasture because of its large size and high nutritive value. Grasses grown with Alice clover show increased growth and vigor. Frost-seed at 4–5#/acre, or 2–3# when mixed with grasses, ¼#/1000 sq ft. Seed coated with Nitro-Coat® Organic for Legumes inoculant, an OMRI-Listed® coating.

**38-OGS,** .5# \$19.00 / 2# \$26.00 / 10# \$115.00 / 25# \$210.00

Annual Ryegrass - 25#: Widely adaptable to a variety of soils, will establish quickly in cool, wet weather. Provides dense cover and, when sowed thinly, makes an excellent nurse crop. Seed at 15-150# / acre, 1/2-2# /1000 sq. ft.. 111-PGS, \$69.00

BMR Sorghum/Sudangrass OG - 10#: Sorghum x drummondii Annual grass. Up to 6' high. Will survive light frost. A vigorous, competitive and adaptable hybrid annual that likes heat and high fertility. Grows best in warm weather when other grasses slow down. We stock organic seed wh

**34-OGS**, \$55.00

Buckwheat OG: Fagopyrum esculentum Annual broadleaf. Up to 4' high. Frost-sensitive. Large-seeded Japanese buckwheat with short maturity will tolerate most conditions, including soil pH as low 4.8. Bees like its abundant nectar. Byzantine Greeks introduced the crop to the Russians in the 7th century;it is known in Russia as grechka or 'from Greece.' As a cover crop, seed at 80–120#/acre, 3#/1000 sq ft. As a grain crop, seed at 40–60#/acre, 1-2#/1000 sq ft.

**35-OGS,** 2# \$8.00 / 10# \$30.00 / 50# \$100.00

**Buckwheat Seed:** Cool season or summer quick soil cover crop programs. Not for grain or attracting pollinators.

**105-PGS,** 5# \$12.00 / 25# \$44.00 / 50# \$118.00

Common Oats OG: Avena sativa Annual grass. A solid all-purpose VNS (Variety Not Stated) oat. Oats tolerate acidic soils better than any other grain crop;a common rotation crop on potato farms. As cover crop, seed at 100-200#/acre. For grain, seed early at 120-150#/acre, 3-4#/1000 sq ft. As cover crop: Probably the most bang for your buck you can get in the world of cover crops. Offers high biomass and excellent weed competition. Tolerates a wide range of weather and soil conditions. Plant heavily in August or September (planting rates should increase with later seeding dates) for a frost-tolerant cover crop that holds nutrients, builds organic matter and helps control weeds but that also winterkills, leaving less of a management headache in the spring than winter rye. As feed grain: Consistently high-yielding, produced more than 100 bushels/acre with 13.3% protein in North Dakota trials. Excellent feed for cows and horses; too high in fiber for hogs. **45-OGS,** 2# \$6.00 / 10# \$20.00 / 50# \$60.00

Crimson Clover (not org): Trifolium incarnatum Tender biennial legume. Up to 18". Vigorous clover for cover cropping and bee forage. Rapid growth in cool weather makes this an excellent spring or fall green manure. Stunning crimson spikes make good cut flowers. Flowers produce a lot of nectar and attract several species of bees. More diseaseresistant than other annual clovers. Will grow in most well-drained soils. Easy to mow. Survives a 28° frost, dies at hard frost. Seed at 25-50#/acre, 1½#/1000 sq ft. As cover crop: Good orchard cover crop because it tolerates shade and its fast germination and thick growth provide good weed control. Good between garden rows making a thick dark green carpet. Biennial, often—but not always—winter-killed in Maine, forms a thick mat that can be easily raked off garden beds in spring. Raw seed; use with Alfalfa and Clover inoculant. **36-OGS,** .5# \$7.00 / 2# \$14.00 / 10# \$59.00

**Dutch White Clover:** Trifolium repens Perennial legume. The lowest-growing clover. Shade- and traffic-tolerant perennial. A very popular clover. Seed at 10−15#/acre, ½#/1000 sq ft. As cover crop: Makes nice garden paths and living mulch. **39-OGS**, .5# \$9.00 / 2# \$23.00

**Everleaf (Forage) Oats OG:** Avena sativa Annual grass. A late-heading vigorous oat that has gained a cult following among dairy farmers and veggie growers alike. More heat-tolerant than common oats. Seed in springtime at 100#/acre, 3#/1000 sq ft.

**44-OGS,** 2# \$8.00 / 10# \$30.00 / 48# \$59.00

**Field Peas:** Frost-tolerant annual legume. Likes cool, moist growing conditions. Will grow in most soil types but prefers well-drained loams. As cover, seed at 100-200# / acre, 4# / 1000 sq ft.. For forage, seed early in the season at 200# / acre alone or 100# / acre (4# / 1000 sq. ft.) with 50# / acre (3# / 1000 sq. ft.) oats or barley. **129-PGS,** 5# \$10.00 / 25# \$45.00 / 50# \$83.00

Hairy Vetch OG: Vicia villosa subsp. villosa Annual or winter annual legume. Up to 2' high; vines up to 8' long. Moderately frost resistant. Vigorous cover crop generates copious amounts of organic matter. Excellent nitrogen fixation. Its vigor can create problems, especially in the home garden: the tangled vines can clog even large mowers. Later planting allows for better control. Use a flail mower or scythe to cut it back in fall and incorporate the stubble in the spring before the regrowth becomes unmanageable. Tolerates acidic soils and low fertility, but not poor drainage. Seed at 25-40#/acre, 1#/1000 sq ft. Raw seed; use with Field Pea Vetch inoculant.

**52-OGS,** 2# \$16.00 / 10# \$70.00 / 50# \$230.00

Ladino Clover OG New 2022: Trifolium repens Perennial legume. 8-12" tall, among the largest white clovers. This cultivar dates back to at least 1847. Among all white clovers, Ladino is known to fix the most nitrogen per acre and will outperform others on poorly drained soil. Resents shallow soils prone to drought. Frost-seed at 4-5#/acre, or 2-3# when mixed with grasses ¼# /1000 sq ft. (2) NEW! s cover crop: Produces as much biomass as any clover species. Seed it on its own, or follow Will Bonsall's lead and sow under corn after hilling in midsummer. Bonsall says, "The clover makes a slow start, especially in the shade of the orn, and only starts putting on serious growth after the corn comes out in September. It makes modest growth up until snowfall, but that is greatly enhanced if I let it overwinter and resume growth in early spring." Excellent for pigs because of its unusually low fiber content. High marks for protein, digestibility and ease of establishment. Tall enough to be harvested for hay, silage, and green

**41-OGS,** .5# \$12.00 / 2# \$35.00 / 10# \$125.00 / 50# \$500.00

Magic Carpet Mix 0.25#: You told us your dreams, and we designed this ten-way clover-heavy mix as a soil-building living mulch for use under tallgrowing competitive crops, like cannabis. Could also be used for other crops if kept neatly trimmed. Suitable in raised beds, containers and high tunnels. The exact formula may vary according to what seed we have available, but expect a lush carpet of nitrogen-fixing legumes studded with grasses and forbs to contribute biomass and support microbial diversity in your soil. No need for Aladdin's lamp: all the components we use have some degree of shade tolerance. May be used for a single season, however most components are perennial and the remainder will often self-sow. Whether you are growing tomatoes or "tomatoes," take this mix for a ride. Seed at 25#/acre, 1/2# per 1000 sq ft.

**43-OGS**, *\$4.00* 

Medium Red Clover: Trifolium pratense Shortlived perennial legume. Up to 24". Red clover for underseeding or grazing. While we highly recommend Freedom Red Clover for hay plantings, this variety-not-stated clover is suitable for pastures, underseeding and cover-cropping. As pasture: The easiest legume to establish in undisturbed grass sod. Vigorous and high-yielding. More drought-tolerant than white clover. Seed with grass early in the season at 8-10#/acre on bare ground, or 10-12#/acre in undisturbed sod. As cover crop: Efficient fixer of nitrogen. Seed early at 15-20#/acre alone, 8-10#/acre mixed with wheat, ½#/1000 sq ft. Suitable for vegetable fields that will be taken out of production for a full season, and a great companion crop for the taller varieties of spring wheat—seed along with the wheat, and leave the clover in place at harvest. In late fall, either mow close to the ground, or chisel plow and seed Tillage Radish. Seed coated with Surestand Hydrogreen, an OMRI-Listed® coating. **37-OGS,** 2# \$20.00 / 10# \$89.00 / 50# \$200.00

**Oats:** Standard cover crop variety. Oats tolerate acidic soil better than any other grain. As a cover, seed at 100-200#/acre Aug - September for a frost-tolerant cover that builds organic matter but winterkills in most regions of New England. For grain, sow early at 120-120#/acre, 3-4#/1000 sq ft.

**134-PGS,** 5# \$7.00 / 25# \$29.00 / 50# \$54.00

**Orchard Grass OG:** Dactylis glomerata Perennial grass. Up to 18". Long-lived vigorous grass can be established in spring, in summer, or by frost-seeding in late winter. Tall leafy plants grow rapidly even in poor soils, tolerates moderately drained soils. Seed at 20–40#/acre, or 5–6# with 8–12# of alfalfa or red clover per acre. 1# per 1000 sq ft alone.

**46-OGS,** 2# \$30.00 / 10# \$120.00 / 25# \$248.00

Organic Hairy Vetch Seed 10#: Hairy Vetch is one of the most winter hardy legumes. Being more winter hardy than common vetch, hairy vetch has the potential to withstand temperatures in excess of 5°F with no cover. This species is known to have a great rooting system, with a tap root that will extend 1 to 3 feet into the soil profile.

**104-PGS**, \$40.00

Organic Hairy Vetch Seed 2#: Vicia villosa subsp. villosa Annual or winter annual legume. Up to 2' high; vines up to 8' long. Moderately frost resistant. Vigorous cover crop generates copious amounts of organic matter. Excellent nitrogen fixation. Its vigor can create problems, especially in the home garden: the tangled vines can clog even large mowers. Later planting allows for better control. Use a flail mower or scythe to cut it back in fall and incorporate the stubble in the spring before the regrowth becomes unmanageable. Tolerates acidic soils and low fertility, but not poor drainage. Seed at 25-40#/acre, 1#/1000 sq ft. Raw seed; use with Field Pea Vetch inoculant.

**135-PGS**, \$9.00

Organic Red Clover 1#: Certified Organic. A short lived, lower cost red clover. Known to break up compacted soils and as an attractant to many pollinators and beneficial insect species. Organic coating is OMRI approved. Seed Rate: 4 to 8 lbs per acre.

**109-PGS**, \$8.00

Organic Red Clover 5#: Trifolium pratense Shortlived perennial legume. Up to 24". Red clover for underseeding or grazing. While we highly recommend Freedom Red Clover for hay plantings, this variety-not-stated clover is suitable for pastures, underseeding and cover-cropping. As pasture: The easiest legume to establish in undisturbed grass sod. Vigorous and high-yielding. More drought-tolerant than white clover. Seed with grass early in the season at 8-10#/acre on bare ground, or 10-12#/acre in undisturbed sod. As cover crop: Efficient fixer of nitrogen. Seed early at 15-20#/acre alone, 8-10#/acre mixed with wheat, ½#/1000 sq ft. Suitable for vegetable fields that will be taken out of production for a full season, and a great companion crop for the taller varieties of spring wheat—seed along with the wheat, and leave the clover in place at harvest. In late fall, either mow close to the ground, or chisel plow and seed Tillage Radish. Seed coated with Surestand Hydrogreen, an OMRI-Listed® coating. **136-PGS**, *\$23.00* 

Pasture Mix OG: 30% perennial ryegrass, 35% endophyte-free tall fescue, 15% orchard grass, 10% timothy, 10% white clover. Perennial pasture mix well suited to Maine and other areas having our variable weather and temperatures. Provides season-long regrowth and good grazing. Plant at 40-50#/acre, 1#/1000 sq ft.

**47-OGS,** 2# \$24.00 / 10# \$110.00 / 50# \$360.00

PVO Soil-Building Mix OG: 71% field peas, 15% common oats and 14% hairy vetch. A superior soilbuilding cover crop seed mix. For springtime planting: allow for 60–90 days of growth. The oats come up first and are pulled down by the peas, which are eventually pulled down by the smothering vetch. Weeds don't stand a chance in that jungle. 4" mat of vegetation should be disked or mowed and incorporated in autumn. Seed at 150-200#/acre, 5#/1000 sq ft. All three components are certified organic.

**48-OGS,** 2# \$8.00 / 10# \$29.00 / 50# \$115.00

Rivendell White Clover OG: Trifolium repens Perennial legume. Up to 9". Small-leafed perennial clover establishes quickly and withstands traffic and close mowing. More vigorous and slightly taller than Dutch White Clover. Seed early at 5–10#/acre, ¼# per 1000 sq ft 138-PGS,

Rivendell White Clover OG: Trifolium repens Perennial legume. Up to 9". Small-leafed perennial clover establishes quickly and withstands traffic and close mowing. More vigorous and slightly taller than Dutch White Clover. Seed early at 5–10#/acre, ½# per 1000 sq ft

**40-OGS,** .5# \$12.00 / 1# \$4.00 / 2# \$40.00 / 5# \$53.00

Robust Barley VNS OG 10#: Hordeum vulgare Annual spring grain. Up to 3' high. Moderately frost-hardy. Tolerates drought and alkaline or heavy soils. Does not tolerate wet or acidic soils. May be planted later than other spring-sown small grains and maintain good yields. Seed from early May to mid-June at 100-125# per acre, 3# per 1000 sq ft

**33-OGS**, \$28.00

Spring Wheat - Red Fife OG: Triticum aestivum Hard red heritage spring wheat developed in the 1840s by David Fife at his Peterborough Farm in Upper Canada, now Ontario. The most widely grown Canadian wheat in the second half of the 19th century, interest in Red Fife is enjoying a well-deserved rebirth. Greatly admired for its rich flavor. Requires fewer inputs than modern varieties. The seed has remarkable genetic diversity and adapts to a wide range of growing con 53-OGS, 2# \$9.00 / 10# \$38.00 / 50# \$120.00

Sunn Hemp: Crotolaria juncea Annual legume. Up to 6'. Frost sensitive. This rock star cover crop builds organic matter, fixes atmospheric nitrogen, controls harmful nematodes, and it still finds time to be beautiful. Warm-season legume grows vigorously in good conditions, effectively shading out weeds. In 60 days it can produce more than 5000#/acre biomass and fix 140#/acre of nitrogen! At this stage it will have just started producing its lovely yellow flowers. Used as a fiber crop in India since prehistoric times; with enough heat, plants can grow 6' high with stems 2" thick! Unlikely to get quite that large up here in the tundra. Tolerates dry conditions. Extremely frost sensitive. Some varieties are suitable for livestock forage, but our seed comes to us "variety not stated" so we do not recommend it for that purpose. Not related to the fun kind of hemp and looks nothing like it, so you won't get suspicious looks from law enforcement. Seed after soil reaches 60°, but before Aug. 15, 30-50#/acre, 1-2#/1000 sq ft. Raw seed: inoculate with Guard-N Garden Combination Inoculant. **51-OGS,** 2# \$13.00 / 50# \$150.00

Tillage Radish Conv: Raphanus sativus var. niger broadleaf. Up to 14". Moderately frost resistant. A cover crop Daikon radish bred for improved taproot performance. Penetrates hardpans and loosens soil down to 30" or beyond. Excellent scavenger crop: takes up available nutrients in the soil and prevents nutrient losses to leaching or runoff. Germinates quickly. Suppresses weeds if planted thickly. Winterkill occurs when several consecutive nights are in the low 20s. Leave plants in the ground all winter and into spring: roots decompose leaving large holes that fill with rainwater, eliminating runoff and improving soil drainage. Decomposed root and leaf matter release nutrients and increase microbial activity in the soil, contributing to increased yields in crops that follow. Mainers should plant in late August or early September for maximum benefit. Can be planted as late as October in mid-Atlantic states. Do not plant in spring: the plants will bolt before they form taproots. Drill at 8-10#/acre or broadcast at 10-15#/acre, ½# per 1000 sq ft. **49-OGS,** .5# \$8.00 / 2# \$15.00 / 10# \$60.00

Vetch/Winter Rye OG: 78% winter rye and 22% hairy vetch. Superb cover crop mix for fall planting where mechanical tillage is available the following spring. Excellent choice for a field that will not be planted the following spring. Mow after flowering to kill the plants, then incorporate by tilling, and allow 3-4 weeks for the rye to decompose before replanting. Produces abundant biomass, adds nitrogen to the soil and suppresses weed growth. The rye acts as a nurse crop for the vetch, protecting it from frost damage and providing support for the vines, making mowing much easier. Growers working with hand tools should consider a blend of oats and peas instead. Seed at 80-100#/acre, 2-3#/1000 sq ft. Both components certified organic.

**50-OGS,** 2# \$8.00 / 10# \$30.00 / 50# \$115.00

**Winter Rye:** Organic winter rye is a tall, early heading winter rye variety. It has good field results in an organic no-till roll down system.

**141-PGS,** 5# \$5.00 / 50# \$44.00

Winter Wheat-Medina OG: Triticum aestivum Winter annual grain. Up to 4'. Extremely frost hardy. Soft white winter wheat suitable for feed or pastry flour. Remember "Funky Cold Medina," the 1989 hip-hop hit from Tone Loc? Well, this Medina is funkier and better. Like the mysterious substance in the song, Medina wheat is cold tolerant and it's sure to make everyone like you, but there the resemblance ends. Our Medina has high test weights and low pre-harvest sprouting levels. Cornell University rates it as moderately resistant to scab, mosaic virus and powdery mildew. Availability may be spotty; if we can't get Medina we will substitute a different organic soft winter wheat. Seed at 100-125#/acre, 3-4#/1000 sq ft. As food grain: Most soft winter wheats have protein levels of 10-11% and make good pastry flours. Also suitable for brewing wheat beers. As feed grain: Protein approximately equivalent to barley, but with lower fiber content. Wheat is the best whole grain to feed to chickens and an ideal base for finisher and gestation rations for hogs. Highly palatable to ruminants, but should be fed carefully to prevent acidosis. Wheat should not be finely ground before feeding: cracking or soaking is preferable.

**54-OGS.** 2# \$8.00 / 10# \$30.00 / 50# \$105.00

Yellow Sweet Clover: Yellow Blossom Sweet Clover is an upright annual or biennial. Often used as a warm season legume in summer cocktail mixes due to its ability to handle dry weather. It boasts a deep root system that is capable of capturing P K from the subsoil and relocating them back into the upper few inches of the soil.

**142-PGS,** 1# \$5.00 / 5# \$19.00 / 50# \$155.00

Yellow Sweet Clover 1#: Yellow Blossom Sweet Clover is an upright annual or biennial. Often used as a warm season legume in summer cocktail mixes due to its ability to handle dry weather. It boasts a deep root system that is capable of capturing P K from the subsoil and relocating them back into the upper few inches of the soil.

**106-PGS**, \$5.00

# **Fertilizers & Amendments**

Nitrogen.....

Alfalfa Meal OG 50#: (2.8-0.5-3.6 avg.) Popular among veganic gardeners, and hands-down the best-smelling fertilizer out there. Excellent alternative to blood meal as a nitrogen source. Gives plants a noticeab

**76-OGS**, \$39.00

Alfalfa Meal Org 5#: (2.8-0.5-3.6 avg.) Popular among veganic gardeners, and hands-down the best-smelling fertilizer out there. Excellent alternative to blood meal as a nitrogen source. Gives plants a noticeab 110-PGS, \$5.00

Blood Meal 13-0-0 - 5#: Fastest release time of any organic nitrogen source. Highly recommended for corn. The smell (understandably) freaks out deer. Side-dress 3 weeks after transplanting or 4 weeks after seeding, or till into soil. As a sidedressing, apply at ¾#/100 row ft 3 weeks after transplanting or 4 weeks after seeding, or till into soil at 3–5#/100 sq ft.

**79-OGS,** \$16.00

Crab & Lobster Shell flour 44#: Crab flour retains moisture in the soil and builds the organic matter. It also gives the roots something to grab onto and wrop around for a food source, creating a deeper root system. Will help eliminate ants, grubs, fungus, and root nematodes keep slugs and snails off and choke out weeds and keep moles, voles, mice, etc. from digging up bulbs and root vegetables. An excellent dry organic plant food, containing Calcium (17%) and Magnesium (1%). 102-PGS, \$76.00

Fertrell Berry Mix (4-2-4), 50#: Berry Mix is a blended plant food specially aimed at more, bigger, and tastier berries. Safe and easy to use. Works in most soil types. Best time to apply is at the end of the season. Includes Boron and Zinc. Approximate bulk density 65 lbs/cu ft 116-PGS, \$43.00

**Fertrell Blood Meal 12-0-0:** A fast release source of organic nitrogen. It should only be used on plants that have a high nitrogen requirement. It may also be used in compost piles to increase the speed of the decomposition process. Tends to act as a deer repellent. Approximate bulk density 47 lbs/cu ft

**117-PGS,** 5# \$12.00 / 50# \$88.00

Fertrell Blue N 5-1-1, 50# no chilean: Blue N is an advanced formulation providing a time-released nitrogen in a multi-nutrient fertilizer. Blue N was specially formulated for crop production that requires more nitrogen and when manures and legume rotations are used on a minimal basis. Blue N should be applied in broadcast application and plowed under or worked into the soil. Blue N will provide maximum growth and assure you of a strong finish. If phosphorus levels in the soil are low, then a starter fertilizer should be used in conjunction with Blue N. Available with and without Boron and with and without Sodium Nitrate. Approximate bulk density 52 lbs/cu ft. 118-PGS, \$43.00

Fertrell Feather Meal 13-0-0 - 50#: An ideal source of nitrogen for all crops requiring a steady long lasting supply of that element. The product is not very water soluble, therefore leaching away from crops is almost nonexistent. The nitrogen is made plant available through microbial activity. Approximate bulk density 28 lbs/cu ft 120-PGS, \$64.00

Fertrell Super N 4-2-4 50#: Super N is specially formulated as a multi-purpose plant food. It provides readily available nutrients to get the germinating seedling off to a fast and vigorous start, while supplying time-released nutrients that continue to fed the crop through the entire growing period. Because of the unique formulation of Super N, the entire plant food requirements of a crop can be applied in the row. Available with and without added Boron, Boron and Zinc, and with and without Sodium Nitrate. Approximate bulk density 59 lbs/cu ft

**127-PGS**, \$38.00

### Finely Milled Sugar Kelp Powder (Regenesea):

Rope-grown in Maine, designed for foliar sprays and drenching Fully dehydrated; each 1lb of dry powder = 20lbs of wet sugar kelp. NPK 1-0-10. Allowed for crops, check with your organic certifier for livestock use.

**551-MSS,** *\$2,356.25* 

**Fish Bone Meal:** (N-P-K for current lot: 6.7-11.4-0.4). Fish scraps (a food industry byproduct) are cooked, screened and milled to a uniform particle size. No stabilizers or additives. Works in a drop spreader and once in the ground, the odor fades quickly. Excellent source of nitrogen and phosphorus. Use as a sidedressing or mix into compost to provide added nitrogen and a bacterial boost.

**83-OGS,** 5# \$13.00 / 50# \$88.00

Krehers 5-4-3 Sunrise 40#: 5-4-3 with 8% calcium is composted poultry manure with higher amounts of calcium. Pelleted compost is best used as a starter through the planter or as a side dress for vegetables. One of the benefits of the pelleted compost is that it will flow easily through drop spreaders. Made from composted chicken manure sourced from organic poultry.

**96-PGS,** \$17.00

### Nature Safe 10-2-8 Granular 50# (Coarse grade):

This OMRI Listed coarse general use fertilizer is derived from feather meal, meat and bone meal, blood meal and sulfate of potash. Contains 9% slow release N from feather meal and meat and bone meal that will release for up to 7-8 weeks. The 1.00% water soluble nitrogen in this product will provide green-up in 7-10 days.

**107-PGS**, \$47.00

Nature Safe 13-0-0 50#: All Natural Fertilizer is a high nitrogen product derived from feather meal, meat meal, and blood meal. Nitrogen will slow release over 8 to 10 weeks, which provides your crops with nutrients needed to thrive. This product is designed to expand the organic fertility options to turf managers, landscape operators, and organic farmers alike. This product can be blended with other fertilizer ingredients in order to customize a formulation to meet the varied needs of the customer or as a stand alone fertility product in areas where phosphorus and potassium are not needed. Nature Safe provides tremendous food energy to stimulate soil microbial populations and allow for efficient nutrient uptake to the plant. **98-PGS**, \$49.00

Pro-Booster 10-0-0 (no ch-50#: Pro-Booster 10-0-0 is a combination of vegetable protein meals (such as alfalfa meal, cocoa meal, cotton seed meal, kelp meal, peanut meal, and soybean meal), animal protein meals (such as blood meal, crab meal, dried whey, feather meal, and fish meal), and natural nitrate of soda that contains 10 percent total nitrogen. Pro-Booster 10-0-0 is a fast acting fertilizer with one third of its nitrogen immediately available (water-soluble). The organic nitrogen in animal and vegetable protein meals is 90-95 percent water insoluble and complements the Pro-Booster 10-0-0 mix with its slow release attributes. Pro-Booster 10-0-0 can be side or topdressed wherever extra nitrogen is needed. For Field Crops ro-Booster 10-0-0 is perfect for periods of the crop's life where nitrogen is a must. Many times during the growing season heavy rains or cold soil conditions can deplete or slow down the release of organic nitrogen from the soil. Plants that lack the necessary amount of nitrogen can become stunted and lose some of their natural resistance to environmental stress conditions, resulting in significant in significant crop losses. Pro-Booster 10-0-0 can provide valuable crops with necessary N at critical times, to avoid stress from less than adequate nutrition.

**28-NCO**, \$61.00

Pro-Gro 5-3-4-50#: Pro-Gro 5-3-4 is North Country Organics' premium general-purpose fertilizer that excels in every application. Pro-Gro 5-3-4 is a high nutrient blend of natural ingredients that plants and trees respond to with rapid and sustained growth, making it the most popular blend of nurserymen, landscapers, fruit and vegetable growers, and farmers. This product is blended from the following list of natural ingredients: atural Sulfate of Potash, Phosphate Rock, Vegetable Protein Meals, Animal Protein Meals, and Natural Nitrate of Soda. The density of Pro-Gro 5-3-4 is ~50# per cubic foot. **29-NCO**, \$39.00

Pro-Start 2-3-3-50#: PRO-START (2-3-3) - is an excellent choice for root crops, legume vegetables, perennials, flowering shrubs, mature fruit trees, legume hay (as a summer topdress), and as a starter fertilizer for any kind of seed or transplant. Many of our landscape customers use Pro-Start 2-3-3 exclusively for all of their new installations. **32-NCO**, \$29.00

## Raw Organic Sugar Kelp (whole leaf, frozen):

Rope-grown in Maine, cold storage inventory. NPK 1-0-10. Allowed for crops, check with your organic certifier for livestock use.

**550-MSS,** \$1,570.00

**Soybean Meal:** (7-1.5-1 avg.) High levels of nitrogen and potassium are released as the soybean meal breaks down, providing fertility over time. Add when first planting or transplanting. For sidedressing, use fish meal or blood meal. Considered the most effective nitrogen fertilizer for Northeast soils. Certified non-GMO. **78-OGS,** 5# \$8.00 / 50# \$50.00

Turbo Tuber 50#: (Approx. 7-2-9, plus 2% Ca and 3.5% S) Magic Molly, our potato superhero, is the fastest girl in town: her jacked-up hybrid hatchback runs on our high-test organic fertilizer, formulated to meet the nutrient requirements of potatoes. Blended in-house from fish meal, feather meal, soybean meal, sulfate of potash, dolomitic lime, pasteurized poultry manure and K-mag. On balanced soils, apply at 5#/25 row feet, 50#/250 row feet, or 2000#/acre and work in to the soil to planting depth. It's TURBO time! 85-OGS, \$73.00

Azomite Coarse: (0-0-0.2, 5% Ca) Named for its Ato-Z of Minerals including Trace Elements; contains over 67 minerals beneficial to plants and animals. A mix of particle sizes from 1/8" to powder. Less dusty than Micronized Azomite and more easily spread with a broadcast spreader. Broadcast at 300–600# an acre, approximately 1–2#/100 sq ft. Also can be used in potting soil and compost. For slow-release longer-lasting applications. For quick release, foliar feed, and animal feed applications, use Micronized Azomite.

**65-OGS,** 4# \$7.00 / 44# \$32.00

**Dolomitic Lime:** Pelleted Dolomitic Limestone (57.7% CaCO3, 33% MgCO3). Cal Carb Equivalent 96.9%. The least expensive liming agent. Use to sweeten soil (raise pH) and provide calcium where excess magnesium is not a problem. The amount of limestone needed to raise pH is dependent on the type of soil and the initial pH.

**62-OGS,** 5# \$5.00 / 50# \$9.00

**Dolomitic Lime Pulverized:** Pelleted Dolomitic Limestone (57.7% CaCO3, 33% MgCO3). Cal Carb Equivalent 96.9%. The least expensive liming agent. Use to sweeten soil (raise pH) and provide calcium where excess magnesium is not a problem. The amount of limestone needed to raise pH is dependent on the type of soil and the initial pH. **114-PGS**, 5# \$2.00 / 50# \$7.00

Fertrell Aragonite Coarse 0-0-0 33Ca: Aragonite is a sea calcium that is exceptionally high in calcium and low in magnesium. Many soils have had dolomite lime added for years and the magnesium may be tying up other nutrients in the soil. Gypsum and aragonite should be used to offset a high mag content soil. Approximate bulk density 98 lbs/cu ft. 115-PGS, 5# \$4.00 / 50# \$19.00

**Gypsum Pelletized:** (Calcium Sulfate CaSO4•2H2O, 21% Ca, 16% S) Gypsum is a good source of calcium when the pH is already at a desired level. The sulfur in gypsum reacts with water to form a weak sulfuric acid solution that frees the calcium in the soil. Prilled with 2% sodium salt lignin, an NOP-allowed synthetic, as a binding agent. **63-OGS**, 5# \$6.00 / 50# \$19.00

Gypsum pelletized 50#: (Calcium Sulfate CaSO4•2H2O, 21% Ca, 16% S) Gypsum is a good source of calcium when the pH is already at a desired level. The sulfur in gypsum reacts with water to form a weak sulfuric acid solution that frees the calcium in the soil. Prilled with 2% sodium salt lignin, an NOP-allowed synthetic, as a binding agent.

**131-PGS**, \$17.00

Wollastonite - 50#: (48% CaO and 52% SiO2). Cal Carb Equivalent 76.0%. Soluble-grade and at least 95% pure (may contain trace amounts of iron, manganese and magnesium). Silicon is not traditionally considered a limiting cofactor for plant growth, but researchers are finding that despite ample amounts of silicon in most soils, plants supplemented with silicon often yield better (even in prime growing conditions). Silicon strengthens cell walls, which reduces lodging and improves resistance to insects and disease; stimulates immune response pathways (possibly increasing production of resins and terpenes); and reduces transpiration (improving drought resistance). Especially beneficial in sandy or muck soils, which are both naturally lower in silicon than clays and loams. May be applied as a foliar spray to build resistance to powdery mildew; for yield benefits, incorporate into the soil. Particularly recommended for cannabis, orchard crops, cucurbits, sweet corn, grains and forage crops. Customer Norman B. of West Baldwin, ME, credits wollastonite for his exceptional potato crop in 2019: "I bought a 50 lb bag of wollastonite and sprinkled it into the rows as I went along and the Green Mountains, which have a reputation for low yield, did commendably. Out of that small bag of seed, I filled a five-gallon pail, over 35 lbs, and that was after discarding some that I had damaged during hilling. My uncle stated that he had never seen so many large Green Mountains as well. I used a lot of composted horse manure, but I do every year. The only thing different was the wollastonite." Most soil tests do not offer recommended application rates for silicon; one approach is to use wollastonite to correct your soil pH. For this purpose, wollastonite has a liming equivalent of 86% (relative to Calcitic Lime). Dusty! Wear a mask when handling.

**64-OGS**, *\$33.00* 

# Potassium, Phosphorous & Sulfur. . . .

## Finely Milled Sugar Kelp Powder (Regenesea):

Rope-grown in Maine, designed for foliar sprays and drenching Fully dehydrated; each 1lb of dry powder = 20lbs of wet sugar kelp. NPK 1-0-10. Allowed for crops, check with your organic certifier for livestock use.

**551-MSS**, *\$2,356.25* 

## Raw Organic Sugar Kelp (whole leaf, frozen):

Rope-grown in Maine, cold storage inventory. NPK 1-0-10. Allowed for crops, check with your organic certifier for livestock use.

**550-MSS,** *\$1,570.00* 

**Bone Char:** (0-16-0, 32% P2O5, approx. 30% Ca) Burned bone meal provides large amounts of readily available phosphorus. The most economical source of P for deficient soils (excepting fresh manure, which is bulkier and stinkier). May be applied without restrictions to organically certified fields.

**80-OGS,** 5# \$11.00 / 50# \$45.00

Fertrell Berry Mix (4-2-4), 50#: Berry Mix is a blended plant food specially aimed at more, bigger, and tastier berries. Safe and easy to use. Works in most soil types. Best time to apply is at the end of the season. Includes Boron and Zinc. Approximate bulk density 65 lbs/cu ft

**116-PGS**, \$43.00

Fertrell Feather Meal 13-0-0 - 50#: An ideal source of nitrogen for all crops requiring a steady long lasting supply of that element. The product is not very water soluble, therefore leaching away from crops is almost nonexistent. The nitrogen is made plant available through microbial activity. Approximate bulk density 28 lbs/cu ft 120-PGS, \$64.00

Fertrell Green Potash 0-0-15 - 50#: Green Potash is a Fertrell custom blend containing zeolite and kelp. It provides an available source of potassium as well as a vast array of micro-nutrients in trace amounts. Zeolite also holds additional nutrients in plant-available forms and retains up to 55% of its weight in moisture. This is a great product anywhere additional potassium is required. Approximate bulk density 53 lbs/cu ft 121-PGS, \$31.00

Fertrell Holly Care (4-6-4), 50#: An organic-based plant food formulated to provide the high level of available phosphoric acid required by acid loving plants. Use it on hollies, dogwoods, gardenias, marigolds, rhododendrons, azaleas, ferns, hydrangeas, and all other acid-loving plants. Approximate bulk density 48 lbs/cu ft. 122-PGS, \$40.00

Fertrell Super K 3-4-7 50#: Super K fertilizer is blended to meet the demands of higher phosphorus and potassium requirements by certain crops. It performs much like a combination of Super N 4-2-4 and Gold SS just with higher available potash. The phosphorus helps get geminating seedlings off to a good start and the extra potassium helps finish the crop. Super K is also blended with crab meal for nematode control. Available with and without added Boron, Boron and Zinc, and with and without Sodium Nitrate. Approximate bulk density 46 lbs/cu ft 126-PGS, \$37.00

**Fish Bone Meal:** (N-P-K for current lot: 6.7-11.4-0.4). Fish scraps (a food industry byproduct) are cooked, screened and milled to a uniform particle size. No stabilizers or additives. Works in a drop spreader and once in the ground, the odor fades quickly. Excellent source of nitrogen and phosphorus. Use as a sidedressing or mix into compost to provide added nitrogen and a bacterial boost.

**83-OGS,** 5# \$13.00 / 50# \$88.00

**Granite Meal:** Contains about 5% potassium in very slow-release form. Plants need potassium for sugar and starch production. Granite meal can be added to the soil in large amounts without altering the pH. Greatly enhances soil structure and promotes healthier plants. Application rates are 2000–4000#/acre or 50–100#/1000 sq ft. **68-OGS,** 4# \$6.00 / 50# \$23.00

**Greensand Granular:** Carries glauconite that improves plant growth and health. **130-PGS,** 10# \$10.00 / 44# \$38.00

**K-Mag - 50#:** (10.8% Mg, 22% S) Langbeinite is a marine deposit of potassium sulfate and magnesium sulfate in soluble form. A good source of immediate potassium for depleted soil and of magnesium where calcium is abundant. Alliums like its sulfur and potatoes like its quick boost of potassium. If you are looking for an allowed Sul-Po-Mag, this is it.

**69-OGS**, \$40.00

**Soft Rock Phosphate:** (0-6-0, up to 25% total P, plus at least 30% Ca and 10% SiO2. Natural phosphorus source from mines in British Columbia, Montana, and Mexico. Apply with Sulfur or Hum-Amend Max to improve solubility. Adequate phosphorus results in more vigorous early root formation, better flower and seed production, better growth in cold temperatures, and better water use efficiency. Typical deficiency symptoms are stunted growth, blue-green to purple coloration of the leaves, delayed maturity, and reduced production of flowers and seeds. **72-OGS**, 5# \$9.00 / 50# \$40.00

Sul-Po-Mag (Sulpo Mag) 50#: Crushed langbeinite, a marine deposit of potassium sulfate and magnesium sulfate in soluble form for available K and Mg when Ca is abundant. Alliums like its sulfur, and potoes like its quick boost of potassium. 1/2-1# / 100 sq. ft., 200-500# / acre. 139-PGS, \$33.00

Sulfate of Potash (Potassium Sulfate) 50#: Made of a soluble sulfate of potash magnesia. Apply the crushed mineral in areas where magnesium and potassium are deficient and calcium is abundant. Soil pH will remain the same.

**100-PGS,** \$42.00

**Sulfate Of Potash 0-0-52 - 5#:** (0-0-52) The most economical source of available potassium. Apply at 200–500#/acre or 1#/100 sq ft.

**70-OGS**, \$12.00

**Sulfate of Potash 5#:** (0-0-52) The most economical source of available potassium. Apply at 200–500#/acre or 1#/100 sq ft. **140-PGS,** *\$7.00* 

Sulfur - 5#: Agricultural Sulfur. 90% elemental sulfur, 10% bentonite clay. Use to lower soil pH (make it more acidic). Often helpful for both lowbush and highbush blueberries, and for potatoes. Lowering the pH of gravel paths will help control weed growth. Not fine enough to be spread as a fungicide, comes in small pastilles like yellow button candy. Even in soils with correct pH, small amounts of sulfur are necessary for chlorophyll formation, the metabolism of nitrogen, and the synthesis of oils. Nutritional deficiency of sulfur is most likely on sandy soils low in organic matter. Application rates for pH correction are typically 500-1500#/acre (depending on current pH, target pH and soil type), with no more than 1000#/acre applied at once. To address nutritional deficiency of sulfur, apply 10-30#/acre, thoroughly blended into a larger quantity of fertilizer for even application. Sulfur oxidizing bacteria are inactive below 55°—don't trust soil test results showing "sulfur deficiency" from samples taken early or late in the season. Wait to apply until soil temp is at least 60°.

**71-OGS**, \$8.00

Tennessee Brown Phosphate: (0-6-0, 22% total P2O5) The consistency of rich soil. Comes from the washing piles left behind when high-grade ore was extracted to produce superphosphate in the early 20th century. When tested in several midwestern states' labs, concentrations of available phosphate were regularly over 6%. Lowest concentration of heavy metals of any phosphate source. Recommended by soil gurus Phil Callahan and Mark Fulford.

**73-OGS,** 5# \$8.00 / 50# \$25.00

Vegemighty 50#: (3.4-2.2-3.5) An excellent all-purpose fertilizer for those who prefer to avoid animal products. Great for flower bulbs because it won't attract critters. Use 1–2 tsp per transplant (or bulb) mixed into the loosened soil below planting depth. Use 5#/50 sq ft as a topdressing after planting in the fall and again each spring. Contains soybean meal, Fertoz rock phosphate, organic alfalfa meal, sulfate of potash and kelp meal. No animal products means it will not attract dogs or skunks. Does not contain brewers' yeast extract, and may or may not encourage the adoption of an Australian accent.

**84-OGS**, \$65.00

## Trace Minerals & Micronutrients....

Azomite Coarse: (0-0-0.2, 5% Ca) Named for its Ato-Z of Minerals including Trace Elements; contains over 67 minerals beneficial to plants and animals. A mix of particle sizes from 1/8" to powder. Less dusty than Micronized Azomite and more easily spread with a broadcast spreader. Broadcast at 300–600# an acre, approximately 1–2#/100 sq ft. Also can be used in potting soil and compost. For slow-release longer-lasting applications. For quick release, foliar feed, and animal feed applications, use Micronized Azomite.

**65-OGS,** 4# \$7.00 / 44# \$32.00

Boron-Solubor DF - 5# \*RESTRICTED\*: (Sodium Tetraborate, 20.5% B) Soluble borate for fluid fertilizers and nutrient sprays. Boron is essential for all stages of tree growth and fruit set. Alfalfa, clover, brassicas, carrots, celery, corn, lettuce, onions, beets, tomatoes, and tree fruits are particularly sensitive to boron deficiency. May be used in certified organic settings only to correct a documented boron deficiency. Dry flowable powder, mixes easily in any spray solution. Soil test results will indicate if Boron in your soil is below the optimum level. Suppose it is 0.5 PPM below the optimum level. The formula for determining pounds of Solubor® per acre is (thankfully) simple: multiply the deficiency figure (in this case, 0.5) by 10; the answer is 5# Solubor® needed per acre. Easy peasy lemon squeezy ALLOWED WITH RESTRICTION. REQUIRES DOCUMENTED DEFICIENCY IN BORON. NOT TO BE USED AS AN HERBICIDE OR DESSICANT. **66-OGS**, \$35.00

BrixBlend Basalt: (49.3% SiO2, 13.3% Al2O3, 9.2% CaO, 5.7% MgO, plus trace minerals) A paramagnetic stone powder from the Pioneer Valley of Massachusetts for remineralizing and enhancing the general foundational fertility of the soil. Latest magnetic susceptibility reading is 2400 cgs units. Till in 1–10 tons/acre, 5–50#/100 sq ft or broadcast at 1–5 tons/acre, 5–25#/100 sq ft. For compost, add 20–25#/cubic yard of raw material. Use up to 5% by volume in potting mixes. 67-OGS, 5# \$6.00 / 50# \$33.00

**Epsom Salt 50# \*RESTRICTED\*:** Quick acting Mg S fertilizer. Can be used for a foliar application. Can be mixed with pesticides or liquid fertilizers. ALLOWED WITH RESTRICTION. REQUIRES DOCUMENTED SOIL DEFICIENCY IN MAGNESIUM. **95-PGS,** \$32.00

Fertrell Thorvin Kelp Meal 50#: Thorvin Kelp is harvested from Iceland in an organic harvest site. The fresh harvest is immediately brought to a dryer near the harvest area, so they don't lose any of the nutrients in transport. Thorvin Kelp is then dried at controlled low temperatures using geothermal energy, a renewable resource, to concentrate its rich nutrient profile. Thorvin contains one third less moisture, 30% more iodine, and is the only kelp supplement with a guaranteed selenium claim. Thorvin Kelp is certified organic and OMRI-Listed 128-PGS, \$94.00

**Kelp Meal OG:** Kelp Meal for feeding to livestock or amending soil. Livestock: Kelp is an excellent source of iodine and vitamin A and provides lower concentrations of dozens of other vitamins and trace minerals. Enthusiastically sought by livestock: I remember visiting a local farm several years ago where a loose goat followed me into the house so that she could stuff her head into the open bag of kelp sitting in the mudroom. Feed free-choice or mix in at 1-2% of total ration. Our feed-grade kelp is certified organic. Soil: Dried and ground seaweed contains trace minerals, enzymes and amino acids, plus a small dose of N-P-K. An excellent source of naturally chelated elements. Brassicas respond well to it. Suitable for use on organic cropland. Mix into the soil at the rate of 300-600#/acre or 1#/100 sq ft.

**77-OGS,** 5# \$14.00 / 50# \$80.00

### Manganese Sulfate 32% soluble \*RESTRICTED\*:

Erachem Tecmangam, a high quality manganese sulfate (MnSO4) Active ingredient: Sulfur 19%, Manganese (water soluble)32% ALLOWED WITH RESTRICTION.
REQUIRES A DOCUMENTED DEFICIENCY IN MANGANESE.

**132-PGS,** 5# \$11.00 / 50# \$74.00

Neptune's Harvest Kelp Meal: Kelp Meal for feeding to livestock or amending soil. Livestock: Kelp is an excellent source of iodine and vitamin A and provides lower concentrations of dozens of other vitamins and trace minerals. Enthusiastically sought by livestock: I remember visiting a local farm several years ago where a loose goat followed me into the house so that she could stuff her head into the open bag of kelp sitting in the mudroom. Feed free-choice or mix in at 1–2% of total ration. Our feed-grade kelp is certified organic. Soil: Dried and ground seaweed contains trace minerals, enzymes and amino acids, plus a small dose of N-P-K. An excellent source of naturally chelated elements. Brassicas respond well to it. Suitable for use on organic cropland. Mix into the soil at the rate of 300-600#/acre or 1#/100 sq ft. **133-PGS,** 12# \$50.00 / 50# \$119.00

Aragonite - 50#: (33% CaCO3) When the price of aragonite spiked a few years ago, we tried to steer growers toward the chemically identical Calcitic Limestone, but they were having none of it. The internet forums said to use calcium carbonate from oyster shells, not from pulverized rock, so oyster shells they must have! We are acquiescing and listing aragonite again. Aragonite is even lower than calcitic lime in magnesium, so it's the ideal choice for soils with excessive magnesium. Mined from the deposits that create the white sand beaches of the Bahamas. More expensive than calcitic lime, but less expensive than a tropical vacation. Feed quality.

**60-OGS**, \$28.00

BioGenesis I NP (1 acre volume): BioGenesis™ I NP is a combination of beneficial soil microbes and humic acids that can quickly improve the activity and efficiency of the soil biological system. Can be applied through irrigation, sprayed on soil, or added to transplant solution. ow crops: apply in seed row at a rate of 1 lb/acre oot dip: dilution 1 lb/20 gal water otted plants: 1 gram/6" pot into potting soil mix. Use approximately 10g per cubic yard of soil mix 25-AEA, \$109.00

**Blueberry Booster 30#:** A blend of Granite Meal, K-Mag, sulfur, Tennessee brown rock, Penobscot Blend Compost Peat, and Azomite. Brings down the soil pH and provides the nutrients necessary for healthy blueberry plants and good fruit. Mix 3# per plant into the soil when planting. As a sidedressing in spring or fall, apply 3# per established plant. **86-OGS**, \$26.00

Buckwheat Hulls 2 Cu Ft.: An attractive economical sustainable mulching alternative. Cover your beds with a thin layer of hulls, ½-1" thick: it will look sparse at first and the hulls may seem light enough to blow away in a good breeze. They will swell up nicely after a rain or two and settle down to a summer of weed and grass suppression. Three months later the bed was still pretty much weed free. We have a surprise customer base for these hulls from people who use them not to mulch, but for making zafus and other pillows. We happily sell them to gardeners and meditators alike. The actual weight of each 2 cu ft bags varies, but is roughly 25 pounds. The shipping weight of the pallet (44 bags) reflects the bulkiness of the bags of buckwheat hulls; you will actually receive ~1100 pounds of hulls.

92-OGS, \$13.00

Compost Inoculant: Home Compost Inoculant provides your home compost pile with a boost of beneficial microorganisms sourced from our 40-year composting legacy. We make an aerated compost tea and combine it with our organic Screened Compost for a diverse population of bacteria, fungi, nematodes and more, ready to mix in and go to work in your backyard.

**1-ECF**, *\$26.00* 

Container Booster Mix (Compost Plus) 6 qt: A premium supplement designed to rejuvenate "tired" soil in containers or garden beds. Compost Plus provides a blend of minerals and organic matter to improve the structure and fertility of existing growing media when immediate fertility is needed. This mix will not burn roots. Blended from manure compost;sphagnum peat moss;crushed, washed screened granite/basalt blend;coconut coir;vermiculite;blood meal;kelp;gypsum;bone meal.

**145-VCC,** \$8.00

Fertrell Aragonite Coarse 0-0-0 33Ca: Aragonite is a sea calcium that is exceptionally high in calcium and low in magnesium. Many soils have had dolomite lime added for years and the magnesium may be tying up other nutrients in the soil. Gypsum and aragonite should be used to offset a high mag content soil. Approximate bulk density 98 lbs/cu ft. 115-PGS, 5# \$4.00 / 50# \$19.00

Hi-Cal Limestone Pelletized: Pro-Select Prill (87% CaCO3, 7% MgCO3). Cal Carb Equivalent 95.8%. The most common and most frequently used soil conditioner. Calcitic is the fancy name of the product we used to call Hi-Cal lime. It's recommended for soils with excess magnesium: contains just 1/6 the amount of magnesium carbonate as dolomitic lime. With less than 5% magnesium oxide, it's recommended for soils with excess magnesium. Aragonite and Calcitic are both calcium carbonate, just with a different crystalline structure and from different sources: Calcitic is mined rock, while aragonite is derived from mollusk shells. Calcitic contains marginally more magnesium than aragonite. Prilled with 2% sodium salt lignin, an NOP-allowed synthetic, as a binding agent.

**61-OGS,** 5# \$5.00 / 50# \$10.00

Hole-istic Spring Planting Mix: Recommended for fruit trees at planting time. Formerly known as Fruit Tree Planting Mix. Our own well-balanced blend of Tennessee brown phosphate, alfalfa meal, Azomite and K-Mag in a humus-rich base of worm castings. Add 3# per tree hole when planting. 87-OGS, 3# \$8.00 / 30# \$34.00

Menefee Humates, Coarse Grade 50#: This rich, humus based granular soil conditioner improves acidity levels and acts as an organic chelator, which helps the plants utilize the nutrients in the soil. It also stimulates microbial growth. When used with balanced fertilization, Menefee Humate can significantly improve poor soils.

**97-PGS**, \$35.00

Micro 5000 Organic 0-0-15: Micro 5000 Organic™ foliar fertilizer, like the original Micro 5000™ formula, is a scientifically formulated combination of beneficial microbes and plant nutrients derived from sea plants for orchards, vegetable crops, vineyards, and more.

Soil fertility often cannot be amended in time to make effective corrections during one short season. But plants are able to absorb nutrients through the surface cells and stomata of their foliage, and foliar feeding is a fast and effective way to correct nutrient deficiencies or supplement any fertility program.

Used as a foliar, the microbial additions to the foliage increases atmospheric nitrogen and phosphorus absorption rates of the plant leaves, thus reducing the amount of supplemental nutrients needed.

Micro 5000™ Organic can be used several times throughout the growing season for additional nutritional support of the crop.

pply at a minimum of 75g/acre and up to 150g/acre **23-AEA**, 2 acre \$57.00 / 5 acre \$136.00

Pepzyme Clear: Pepzyme Clear™ is a high quality, stable liquid enzyme enhancer. Pepzyme Clear™ enhances the growth and metabolism of plant growth promoting microorganisms to break down organic matter and make soil nutrients such as phosphorus, nitrogen, calcium, iron, and more, available to plants in the forms they can absorb. pply at a rate of 12.5 oz/acre or 1 gal/10 acres 24-AEA, 5 acre \$88.00 / 25 acre \$363.00

Pro-Hemp 5-3-9\*-50#: For large acreage, broadcast 1,000-lbs Pro-Hemp/acre and lightly incorporate into the soil's surface. Do not cultivate any deeper than 2-3 inches. For cannabis and smaller hemp applications, when transplanting, thoroughly mix ¼ cup Pro-Hemp in 30-NCO, \$51.00

Pro-Holly 4-6-4-50#: PRO-HOLLY 4-6-4 is a natural fertilizer blended from mineral and organic ingredients specifically made for ericaceous/acid loving plants such as: Azaleas, Blueberries, Chrysanthemums, Ferns, Gardenias, Rhododendrons, Heaths, Heathers, Huckleberries, Hydrangeas, Marigolds, Mountain Laurels, Oak trees, Pachysandras, Lupine, Raspberries, Yews, Flax, and other acid loving plants. Pro-Holly 4-6-4 is specially formulated to meet the nutrient needs of plants that require more acidic conditions. The natural ingredients provide, not only the major and minor nutrients required by acid-loving plants, but also act to maintain the proper pH in the soil. Applications of 1 pound of Pro-Holly 4-6-4 per two feet of crown diameter spread under the drip line of the plant in the fall and again in spring are recommended. The feeder roots are close to the surface of the ground and spread from under the plants branches to well outside the dripline. Pro-Holly 4-6-4 should be broad cast in this area around the entire plant if possible. The fertilizer can be applied over mulch layers but the plant will respond faster if the mulch is removed and replaced after the fertilizer has been applied. **31-NCO**, *\$42.00* 

Raw Biochar: Join the carbon-farming revolution. Biochar is the product of heating organic matter in a low-oxygen environment: instead of releasing the carbon into the atmosphere, this converts it to a highly stable form that can be held in the soil for hundreds or thousands of years. Think of biochar as a kind of super-compost! Biochar helps your soil sequester more carbon and emit less nitrous oxide (a greenhouse gas 300 times more potent than carbon dioxide). It provides a dream home for beneficial bacteria and fungi and prevents essential plant nutrients from leaching out of the root zone. This is 100% pure horticultural grade raw char, with 70 to 85% fixed carbon. Apply raw char at up to 20#/1000 sq ft or 700#/acre on ground that you are resting or preparing to put into production for the first time. Do not apply this product as-is to ground that is currently in production! Raw char may inhibit plant growth for a year or two after application: the native soil microbes consume available nitrogen while slowly colonizing the micropore matrix. Then the magic happens and plant growth explodes in year three or four. If you can't wait that long, blend raw char with your compost feedstock, using up to 50% char. The compost will finish faster and the compost/biochar blend may be applied to growing plants with immediate benefits. And if you're REALLY in a hurry, soak the biochar in compost tea for 24 hours (this is only practical for small operations, since the mucky wet biochar would not handle well in a mechanical spreader). But Mother Nature counsels patience.

**89-OGS,** 5# \$11.00 / 25# \$39.00

Spectrum: Spectrum™ contains a multiple species blend of plant growth promoting rhizobacteria (PGPR) and other beneficial plant growth promoting microorganisms (PGPs). This specially formulated soil inoculant enhances and restores beneficial soil microbe populations to augment the natural organic processes that occur in healthy soils.

The beneficial soil-based microorganisms in Spectrum™ break down and release vital nutrients (such as phosphorus, nitrogen, calcium, iron, and more) stored in soil particles, making the nutrients more readily available to the plants in forms they can absorb.

Growth-promoting microorganisms produce organic acids and amino acids, which dissolve and make available (chelate) mineral nutrients.

Spectrum™ assists and speeds nature in decomposition and recycling of organic matter into an important substance known as humus, building richer, healthier soil.

Apply at a rate of 50g/acre **26-AEA**, 1 acre \$26.00 / 10 acre \$196.00

Spectrum PSB (1 acre volume): Spectrum PSB™ contains a higher ratio of phosphorus solubilizing biology to be used where phosphorus is needed in greater quantity, or where the soil is low in phosphorus.

The beneficial soil-based microorganisms in Spectrum™ break down and release vital nutrients (such as phosphorus, nitrogen, calcium, iron, and more) stored in soil particles, making the nutrients more readily available to the plants in forms they can absorb.

IGrowth-promoting microorganisms produce organic acids and amino acids, which dissolve and make available (chelate) mineral nutrients. pectrum™ assists and speeds nature in decomposition and recycling of organic matter into an important substance known as humus, building richer, healthier soil. Apply at a rate of 75 g/acre 27-AEA, \$38.00

**Tiger Sulfur 90G:** Designed to quickly degrade, disperse and convert to sulphate throughout the growing season.

**99-PGS,** 5# \$4.00 / 50# \$32.00

Worm Castings: Everything Wiggle Room sells is produced locally in Connecticut from only organic inputs. Theyare regularlytested via microscopy to ensure an optimal level of micro-organic life to benefit your plants. Due to their high nutrient content, worm castings should be applied to your plants as a top-dressing or mixed with other soils/composts at a 1:10 ratio to spread the beneficial micro-organisms.

**146-WR,** 4# \$25.00 / 15# \$56.00 / 10 Gal \$100.00

**Zeolite 50#:** Will cut ferilizer and water costs by holding the nutrients and water in the root zone until the plant us ready to utilize them, requiring less fertilizer and water to be applied. When used properly, Zeolite can also yield impressive results in regards to faster germination times, faster growth, larger plants, and crop yields and reduced fertilizer and water applications.

**101-PGS**, \$35.00

**Zeolites:** Zeolites are aluminosilicate lattices, derived from volcanic ash, that hold up to 55% of their weight in water in the small cavities of their crystal structure. If one tablespoon of zeolite crystals were unfolded, they would cover an entire football field! Negatively charged, the lattices hold the cations of essential elements. Zeolites can improve the productivity of any texture of soil, improving water and mineral retention in sandy soils and improving aeration and minimizing compaction in heavier soils. Added to compost, zeolites retain ammonium ions and prevent their transformation to ammonia gases, keeping the nitrogen from escaping into the air. Add 2-3# for each 10# of potting soil. In gardens add 15-20#/100 sq ft to the top 6" before planting. Spread 1–2½ tons/acre. Water thoroughly after application so the zeolites will absorb the moisture, holding it in a thin film on their surfaces until needed.

**74-OGS,** 5# \$10.00 / 25# \$24.00

Worm Castings: Everything Wiggle Room sells is produced locally in Connecticut from only organic inputs. They are regularly tested via microscopy to ensure an optimal level of micro-organic life to benefit your plants. Due to their high nutrient content, worm castings should be applied to your plants as a top-dressing or mixed with other soils/composts at a 1:10 ratio to spread the beneficial micro-organisms.

**146-WR,** 4# \$25.00 / 15# \$56.00 / 10 Gal \$100.00

# 

Accelerate \*RESTRICTED\*: Accelerate™ is a nutritionally based reproductive support package that combines a series of primary, secondary, and micro-nutrients that support the natural reproductive function of many plants and aids fruit set. Accelerate positively affects plants' reproductive nutrition profile to markedly improve the quality and viability of buds, flowers, and clonal tubers. Comprised of bio-available manganese, multiple strains of seaweed and SeaShield (salmon, crab and shrimp shell), Accelerate provides ample amounts of potassium, manganese, calcium and molybdenum to supply a plant with the required nutrients needed for successful blossom and fruit set. Accelerate supports nutritional integrity at a time of peak demand and improves resistance to abiotic stress during peak susceptibility. Application rates 4 gal/acre for single flowering crops, 2 gal/acre for continuously flowering crops 1-2 weeks before flowering commences and up to 4 qts/acre every two weeks until flowering is complete.

ALLOWED WITH RESTRICTION. SOIL DEFICIENCY MUST BE DOCUMENTED BY TESTING (INCLUDES BORON, COPPER, COBALT, MANGANESE, MOLYBDENUM, ZINC).

**5-AEA,** 1 gal \$32.00 / 5 gal \$145.00

**Diamond Grow Humic Acid:** 14% solution of naturally-occurring humic compounds. Liquid humate chelates nutrients for easier plant uptake, encourages root growth, and stimulates beneficial microorganisms.

113-PGS, 1 gal \$28.00 / 2.5 gal \$63.00

EM-1 Microbial Inoculant 1 QT: Microbial Inoculant Concentrated Effective Microorganisms®. Active microbial life in the soil and on plants is a better solution than synthetic chemical fertilizers. A liquid combination of yeasts, actinomycetes and two kinds of bacteria, photosynthetic and lactic, which promotes plant health and growth and improves nutrient absorption and soil fertility. Increase the volume of active microbes by further fermentation (below), but you can also just use it straight out of the bottle. Adam Tomash raved that for two years in a row he sprayed his tomatoes several times with activated EM-1 and they made it into September with no significant blight damage. Our cannabis-growing friends can't do without it. To "activate" EM-1 You can increase the volume of effective microbes provided by EM-1 through fermentation. Mix one part EM-1 and one part molasses with 20 parts warm water, 110°. Put into an airtight bottle or brewing container with an airlock. Ferment at room temperature for 3-5 days. (If you use an airtight bottle, unscrew the lid daily to release pressure buildup.) Let the activated EM-1 rest for 5–7 days. By then it should smell slightly alcoholic. Use within 45 days. For 5 quarts of activated EM-1, use 1 cup each of EM-1 and molasses with 4½ quarts water. For 1 quart of activated EM-1, use 11/2 fl oz each of EM-1 and molasses with 3½ cups water. Note: Organic Molasses tends to have some type of pH buffer in it, which sometimes prevents the fermentation process. You may need to add an equal amount of vinegar to the molasses to help break the pH buffer.

**59-OGS**, \$38.00

Fertrell Liquid Kelp Concentrate: Liquid Kelp is not considered a fertilizer (the amounts of NPK are relatively low) but contains all the micro-elements from A to Z; growth plant hormones, vitamins, enzymes, and carbohydrates. It's a biostimulant, root system developer, and minor-nutrient deficiency cure. It can be used in conjunction with any water soluble spray.

123-PGS, 1 gt \$26.00 / 1 gal \$70.00

Fish Hydrolysate with Kelp: (2-5-0.2) All the N, P K of fish, along with the micro-nutrients and growth hormones of kelp. Produced using waste from fish processing, not from wild-harvested whole fish. Can be used as a foliar feed, in drip irrigation (be sure to filter it after mixing with water), and for better seed germination seedling growth. Alice's preferred drench for onions and other early transplants; provides readily available nitrogen when microbes are still sluggish in cold spring soil and encourages vigorous rooting. Improves plant vigor and stress resistance, increases storage life of produce. Use 4 Tbsp/gal water for fertigation, or 2 Tbsp/gal water for foliar spray. Use 2.75-6.25 quarts/50 gallons water per acre. 82-OGS, 1 pint \$8.00 / 1 gal \$28.00 / 5 gal

\$100.00

**Holo Phos:** HoloPhos™ is a non-synthetic blend of a uniquely processed natural phosphorus source, valuable to many crops for improving photosynthesis and plant root vigor.

Phosphorus enhances root vigor and plant vitality, improves photosynthetic efficiency, enables energy metabolism and storage, comprises ATP and ADP, "The Energy Molecules," and serves as a transport mechanism for glucose molecules.

HoloPhos™ is derived from high quality, mined phosphate ore that contains many trace minerals and rare earth elements. HoloPhos™ contains a complex blend of phosphorus sources chelated with stable humic substances to enhance availability to the plant and reduce soil "tie-up". HoloPhos™ provides a unique blended source of phosphorous and calcium created using a patented micronization process that, instead of stripping nutrients like most other manufacturing processes, retains all the nutrients from the ore and makes them readily available to the plant.

Fruits and vegetables: As a foliar and/or in irrigation, apply up to 1 gal/acre, every 7-14 days Broad acre crops: Up to 2 gal/acre as a row starter or side dress. 1 gal/acre as as a foliar **8-AEA,** 1 gal \$44.00 / 5 gal \$168.00

Holo-K \*RESTRICTED\*: Holo-K™ is a natural nonsynthetic blend of uniquely processed potassium, valuable to many crops for improving fruit quality and storability. Potassium deficiency adversely affects fruit quality in the form of reduced size, low test weight and poor flavor. Deficiency symptoms in the plant include brown leaf margins on most crops;early blight, green core and yellow shoulder in tomatoes. Holo-K enhances sugar transport to roots, new growth and fruit. It regulates the opening and closing of stomata, leading to increased resistance to environmental stresses. Soil: Apply up to 2 gal/acre Foliar: Apply up to 1 gal/acre at appropriate plant growth stages Fertigation: Apply up to 1 gal/acre at appropriate plant growth stages. ALLOWED WITH RESTRICTION. COBALT DEFICIENCY MUST BE DOCUMENTED.

**7-AEA,** 1 gal \$59.00 / 5 gal \$226.00

HoloCal \*RESTRICTED\*: HoloCal™ is a nonsynthetic blend of a uniquely processed, natural source of calcium valuable to many crops for improving plant vigor, fruit quality and storability. Many plant disorders can look like bacterial or fungal infection, but in reality are caused by a lack of calcium. In addition, calcium deficiency adversely affects fruit set and fruit formation. Deficiency symptoms include yellow leaf margins on most crops; blossom end rot in tomatoes; bitter pit in apples and many other fruit quality challenges. Using HoloCal can prevent many common fruit quality problems by building strong cell walls and enabling complementary nutrient flow to increase plant resistance to abiotic stresses. Soil: Apply up to 2 gal/acre at apporpriate plant growth stages Foliar: Apply up to 1 gal/acre at appropriate plant growth stages Fertigation: Apply up to 1 gal/acre at appropriate plant growth stages ALLOWED WITH RESTRICTION. BORON DEFICIENCY MUST BE DOCUMENTED.

**6-AEA,** 1 gal \$39.00 / 5 gal \$157.00

**HumaCarb:** HumaCarb™ is a natural concentrate of humic substances derived from Humalite deposits, designed to enhance nutrient absorption and reduce the need for fertilizer applications. HumaCarb™ holds nitrogen and phosphorus in the root zone, aids in the uptake of micronutrients, chelates plant nutrients, and optimizes soil conditions for better overall plant mass. umaCarb™ is derived from a Humalite ore deposit which contains the humic acid, fulvic acid, and humin compounds that provide the benefits to soil and plants. Humic acids are usually extracted from leonardite ore in a strong alkali solution generally using sodium or potassium hydroxides. Compared to leonardite, Humalite contains more humic and fulvic acids, meaning less ash and heavy metals applied to your fields. Unlike other humic acids available on the market, HumaCarb™ is produced using a process that preserves all the natural properties of the humic substances so you get 100% benefit from the 100% all-natural, mined Humalite. Side dress or fertigation: mix with liquid nitrogen or phosphorus fertilizer at 3% of the solution. Small grains: 2 qt/acre at latte tilling or as needed vegetables and fruits: 1 qt/acre per week, starting at trasnplant or greening.

**9-AEA,** 1 gal \$38.00 / 5 gal \$168.00

MicroPak \*RESTRICTED\*: MicroPak™ is a complex blend of micronutrients that enhance sugar translocation, root strength and overall plant vigor. MicroPak™ improves nutrient uptake, especially calcium, it provides enzyme cofactors and building blocks that enable plants to build complete proteins and complex compounds, and encourages larger, stronger roots and better plant vigor. MicroPak™ contains boron, zinc, manganese, copper, cobalt, molybdenum, and sulfur in a form which can be readily absorbed by plants. Boron is critical for transporting carbohydrates through the plant system to help form and fruit. Zinc and manganese are both critical trace minerals needed for proper reproduction and seed formation. Many trace minerals have proven to be critical in enabling plants to produce plant secondary metabolites, which allows them to be more resistant to environmental stresses. Soil: 1 gal/acre every 10-14 days Fertigation: 1 gal/acre every 10-14 days Foliar: Broad acre - up to 1 gal/acre every 3-4 wks; Fruit and vegetable - up to 1 qt/acre per week.

ALLOWED WITH RESTRICTION. MUST BE DOCUMENTED (INCLUDES COBALT, COPPER, MANGANESE, ZINC, BORON, MOLYBDENUM) **10-AEA,** 1 gal \$53.00 / 5 gal \$251.00

OGS Fish Hydrolysate gal: 2-5-0.2) Fish heads, bones, skin and guts finely ground and then enzymatically digested. Produced using waste from fish processing, not from wild-harvested whole fish. The resulting gurry is stabilized with phosphoric acid. Liquid goes into solution readily and can be used as foliar feed. Strain before adding to a drip irrigation system to avoid clogging the lines. Concentrated: use 2–4 Tbsp/gal of water for garden application or foliar spray. Use 2.75-6.25 quarts/50 gallons water per acre.

81-OGS, \$28.00

Organic Molasses-1GAL 10#: Molasses can be used for boosting crops, or as a feed additive for livestock. Crops: Our blackstrap molasses supplies important nutrients such as potassium, iron, phosphorus, calcium, and sulfur, among others. It contains complex sugars that help to increase Brix, and those complex sugars have humic-like properties that beneficial bacteria and fungi feed on. Plants with higher Brix may have increased resistance to insect pests and diseases. Can be applied at all stages of growth, including the vegetative stage; especially beneficial during flowering. Foliar spray: 1 Tablespoon per gallon. Soil application: Start with 1 Tablespoon per gallon; during flowering this concentration can be increased. For aiding in the decomposition of mowing or crop residues, use 1-4 quarts molasses (diluted with water) per acre. Livestock: Blackstrap molasses is a common and cost-effective feed additive used for many purposes. Add it to your animals' drinking water in cold weather, where it will give a helpful caloric boost and its pleasant flavor will encourage better water consumption and prevent impaction. If you cannot find good hay, a drizzle of molasses will improve the palatability of poor quality hay as well as increase the ration's energy and mineral content. A good option for treating ketonic cows. Molasses will act as a binder, reducing dust in finely ground feeds. Molasses may be fed liberally, but not free-choice: restrict to 10% of the ration or less. Our new blackstrap molasses contains an organic anti-foam additive which is OMRI-listed for crops, livestock, and even human consumption (though the molasses itself isn't handled to human food grade standards). We're still offering molasses without the additive for those who may prefer it unadulterated. MOFGA

93-OGS, \$14.00

PhotoMag \*RESTRICTED\*: PhotoMag™ is a synergistic blend of minerals designed to provide the key nutrients used in photosynthesis and protein synthesis. PhotoMag™contains magnesium to provide the building block of chlorophyll and sulfur, boron, cobalt and molybdenum to aid in the production of proteins. PhotoMag™ helps increase photosynthetic efficiency, it promotes better mineral mobility from soil reserves, and facilitates nitrate metabolism within the plant. Forages: Up to 6 qt/acre, 10-14 days after each cutting Fruits and vegetables: As a foliar and/or in irrigation, up to 1 gal/acre, every 7-14 days Broad acre crops: as a row starter or side dress, up to 2 gal/acre, based on soil analysis. As a foliar, up to 1 gal/acre ALLOWED WITH RESTRICTION. MUST BE DOCUMENTED (INCLUDES BORON, COBALT, **MOLYBDENUM** 

**11-AEA,** 1 gal \$40.00 / 5 gal \$159.00

Rebound Boron \*RESTRICTED\*: Rebound™ Boron is made with a unique process that maximizes plant availability. Application of Rebound™ Boron can be used to obtain a quick response when boron is needed in the plant. Foliar applications may be particularly beneficial during periods of peak nutrient demand for crops grown on soils having poor nutrient availability, or to crops suffering from a weakened root system. Soil: up to 1 gal/acre Broad acre crop foliar: up to 1 gal/acre, every 3-4 weeks Fruit and vegetable foliar: Up to 1 gal/acre every week Irrigation systems: up to 1 gal/acre every 10-14 days.

ALLOWED WITH RESTRICTION. MUST BE DOCUMENTED (INCLUDES BORON. **12-AEA**, 1 gal \$25.00 / 5 gal \$112.00

Rebound Cobalt \*RESTRICTED\*: Rebound™ Cobalt is made with a unique process that maximizes plant availability. Application of Rebound™ Cobalt can be used to obtain a quick response when cobalt is needed in the plant. Foliar applications may be particularly beneficial during periods of peak nutrient demand for crops grown on soils having poor nutrient availability, or to crops suffering from a weakened root system. Soil: Up to 1 gal/acre Broad acre crop foliar: up to 1 gal/acre, every 3-4 weeks Fruit and vegetable foliar: up to 1 gal/acre per week Irrigation systems: up to 1 gal/acre every 10-14 days.

ALLOWED WITH RESTRICTION. MUST BE DOCUMENTED.

13-AEA, 1 gal \$41.00 / 5 gal \$187.00

Rebound Copper \*RESTRICTED\*: Rebound™
Copper is made with a unique process that
maximizes plant availability. Application of
Rebound™ Copper can be used to obtain a quick
response when copper is needed in the plant.
Foliar applications may be particularly beneficial
during periods of peak nutrient demand for crops
grown on soils having poor nutrient availability, or
to crops suffering from a weakened root system.
Soil: Up to 1 gal/acre Broad acre crop foliar: 1
gal/acre, every 3-4 wks Fruit and vegetable foliar:
up to 1 gal/acre per week Irrigation systems: up to
1 gal/acre every 10-14 days.

ALLOWED WITH RESTRICTION. MUST BE DOCUMENTED.

**14-AEA,** 1 gal \$26.00 / 5 gal \$119.00

**Rebound Iron \*RESTRICTED\*:** Rebound™ Iron is made with a unique process that maximizes plant availability. Application of Rebound™ Iron can be used to obtain a quick response when iron is needed in the plant. Foliar applications may be particularly beneficial during periods of peak nutrient demand for crops grown on soils having poor nutrient availability, or to crops suffering from a weakened root system. Soil: Apply up to 1 gal/acre Broad acre crop foliar: up to 1 gal/acre, every 3-4 weeks Fruit and vegetable foliar: up to 1 gal/acre per week Irrigation systems: up to 1 gal/acre every 10-14 days. ALLOWED WITH RESTRICTION. MUST BE

DOCUMENTED.

**15-AEA,** 1 gal \$24.00 / 5 gal \$129.00

Rebound Manganese \*RESTRICTED\*: Rebound™ Manganese is made with a unique process that maximizes plant availability. Application of Rebound™ Manganese can be used to obtain a quick response when manganese is needed in the plant. Foliar applications may be particularly beneficial during periods of peak nutrient demand for crops grown on soils having poor nutrient availability, or to crops suffering from a weakened root system. Row starter: up to 1 gal/acre Broad acre crop foliar: up to 1 gal/acre, every 3-4 weeks Fruit and vegetable foliar: up to 1 gal/acre per week Irrigation systems: up to 1 gal/acre every 10-14 days. ALLOWED WITH RESTRICTION. MUST BE DOCUMENTED.

**16-AEA,** 1 gal \$27.00 / 5 gal \$117.00

**Rebound Zinc \*RESTRICTED\*:** Rebound™ Zinc is made with a unique process that maximizes plant availability. Application of Rebound™ Zinc can be used to obtain a quick response when zinc is needed in the plant. Foliar applications may be particularly beneficial during periods of peak nutrient demand for crops grown on soils having poor nutrient availability, or to crops suffering from a weakened root system. Row starter: up to 1 gal/acre Broad acre crop foliar: up to 1 gal/acre, every 3-4 weeks Fruit and vegetable foliar: up to 1 gal/acre per week Irrigation systems: up to 1 gal/acre every 10-14 days ALLOWED WITH RESTRICTION. MUST BE DOCUMENTED.

17-AEA, 1 gal \$24.00 / 5 gal \$103.00

**Rejuvenate:** Rejuvenate<sup>™</sup> is a blend of carbohydrates, enzyme cofactors, and humic substances designed to provide the commonly missing resources needed by fledgling bacterial populations, which are the base of your farm ecosystem. Rejuvenate ensures a successful inoculation event, getting microbes established in all manner of conditions. Such a dramatic increase of soil microbial populations is a key component of disease suppressive soils that can grow crops resistant to soil-borne fungal pathogens, and provide plants with a high-quality source of nutrients during the growing season. ow starter: up to 6 qt/acre cover crops before incorporation: up to 2 gal/acre crop residues: up to 3 gal/acre or 2 gal/acre for fields with little or no residue. Add a biological inoculant in fields with low microbial activity. Rejuvenate<sup>™</sup> plays a key role in our fall programs because of its ability to support accelerated microbial break down of crop residue and aggressively improve soil structure and drainage.

**18-AEA,** 1 gal \$51.00 / 5 gal \$187.00

SeaCrop: SeaCrop™ is derived from ocean water and is produced using a special process that removes most of the sodium while maintaining the plant availability of the minerals common in nutrient-rich ocean water. SeaCrop™ is loaded with magnesium, an enzyme cofactor vital to the formation of chlorophyll and efficient capture of sunlight. Vegetables: up to 1 qt/acre per week in irrigation system or as a foliar. Broad acre crops: up to 1 gal/acre (must be split application), per season. Soil Drench or Transplant Solution: up to 2 gal/acre in a 2% solution

**19-AEA,** 1 gal \$54.00 / 5 gal \$182.00

**SeaShield:** SeaShield<sup>™</sup> is a cold processed liquid crab, fish, and shrimp concentrate.

planting: up to 2 gal/acre

Foliar: up to 2 gal/acre every 2 weeks. Vertigation: up to 5 gal/acre every 2 weeks, to a maximum of

100 gal/acre per year

**20-AEA,** 1 gal \$26.00 / 5 gal \$106.00

**SeaStim:** SeaStim<sup>™</sup> is a liquid kelp extract that has been developed from specific kelp sources which are not commonly used in crop production. Seastim<sup>™</sup> is not manufactured with the usual chemical extraction methods, but is produced with a mechanical, cold process that maintains the potency of its natural compounds. eastim™ incentivizes root growth and encourages a healthy cytokin to auxin ratio in the plant which equates to higher blossom set and less abortion of maturing fruit. With stonger and larger roots, plants will also be more efficient in uptake of applied nutrition. Row or row starter: up to 2 gt/acre. Broad acre crops, foliar: up to 2 gt/acre, every 3-4 wks. Fruit and vegetable crops, foliar: up to 1 gal/acre per week. Irrigation: up to 1 gal/acre every 10-14 days **21-AEA,** 1 gal \$42.00 / 5 gal \$173.00

# **Tools & Supplies**

Irrigation.....

**Earth Staples:** The garden seems full of rocks until you need one to anchor the row cover. Steel wire staples neatly hold down fabric row covers. Steel wire staples neatly hold down landscape fabric, row covers, irrigation line or fencing. We've always carried the 6" size, and we added the 9" size (NEW!) in response to growers requesting the extra length for better holding power in looser soils. **342-OGS,** 6"-25 \$6.00 / 6"-100 \$14.00 / 6"-1000 \$105.00 / 9"-100 \$20.00 / 9"-1000 \$180.00

Garden Irrigation Expansion Kit: Expansion kit gives you another 200' of irrigation. Contains:10 drip-tape fittings which plug into the mainline,10 drip-tape ends to seal the end of a line of drip tape, 2 couplers to repair breaks or tears in the drip-tape line, 10 drip-tape ends to seal the end of a line of drip tape

**355-OGS**, \$50.00

Garden Irrigation Starter Kit: Garden row-crop kit for 200' of irrigation uses low-flow drip tape for a uniform distribution of moisture along the tapes. Includes setup instructions. Get started from the spigot with: Vacuum breaker to prevent backflow into your water system, 200 mesh drip filter, 10 psi pressure regulator, Mainline Hose Beginning to connect from spigot or garden hose to mainline, Garden Irrigation Starter Kit also includes: 200' of low-flow drip tape, 100' of "polyethylene mainline tubing2 mainline ends with screw caps removable for flushing line, 1 Coupler (") - joins two pieces of mainline tubing, 10 drip tape fittings which plug into the mainline, 10 drip tape ends to seal the end of a line of drip tape, 2 tape couplers to repair breaks or tears in the drip tape line, 20 wire holddowns, Purple punch - makes "holes in mainline to install drip tape, 10 two-way plugs - fill holes in mainline if you relocate drip tape fittings **354-OGS**, \$110.00

**Hose Y-spigot With Valves:** Split your faucet at your hose outlet so that you can use the spigot with your drip irrigation in place. Brass fittings for long life.

**357-OGS**, \$19.00

**Pressure Regulator - 10psi:** Control the pressure in your drip tape irrigation system. For emitter tubing irrigation systems, use the 40 psi pressure regulator. Max inlet pressure: 90 psi. **356-OGS**, \$15.00

Fertrell Diatomaceous Earth, 50#: Diatomaceous Earth is an abrasive powder made from the mineral remains of single cell aquatic plants. Approximate bulk density 16 lbs/cu ft 119-PGS, \$34.00

### **Fertrell Poultry Nutri Balancer (without**

Methionine) 60#: Poultry Nutri-Balance is made with specialty products created exclusively for Fertrell. As a complete vitamin and mineral supplement, your poultry will thrive on our Poultry Nutribalancer. That is why we confidently stand behind the quality of our premier poultry vitaminmineral supplement. While there are many lookalike products, none can measure up to the original Fertrell Poultry Nutribalancer. Poultry Nutribalancer can be used for all species of poultry (broilers, layers, turkeys, ducks, guineas, etc.), ages, and stages of production.

**125-PGS**, \$101.00

Fertrell Thorvin Kelp Meal 50#: Thorvin Kelp is harvested from Iceland in an organic harvest site. The fresh harvest is immediately brought to a dryer near the harvest area, so they don't lose any of the nutrients in transport. Thorvin Kelp is then dried at controlled low temperatures using geothermal energy, a renewable resource, to concentrate its rich nutrient profile. Thorvin contains one third less moisture, 30% more iodine, and is the only kelp supplement with a guaranteed selenium claim. Thorvin Kelp is certified organic and OMRI-Listed 128-PGS. \$94.00

### Finely Milled Sugar Kelp Powder (Regenesea):

Rope-grown in Maine, designed for foliar sprays and drenching Fully dehydrated; each 1lb of dry powder = 20lbs of wet sugar kelp. NPK 1-0-10. Allowed for crops, check with your organic certifier for livestock use.

**551-MSS**, *\$2,356.25* 

### Raw Organic Sugar Kelp (whole leaf, frozen):

Rope-grown in Maine, cold storage inventory. NPK 1-0-10. Allowed for crops, check with your organic certifier for livestock use.

**550-MSS,** \$1,570.00

**Redmond Salt, 50#:** While natural trace mineral salt (NTM) is mostly pure salt, (95% pure sodium chloride) it also contains many valuable trace minerals. These valuable minerals are all essential to the proper growth and development of your livestock.

**137-PGS**, *\$21.00* 

**Winter Rye:** Organic winter rye is a tall, early heading winter rye variety. It has good field results in an organic no-till roll down system. **141-PGS**, *5#* \$5.00 / 50# \$44.00

Winter Rye 25#: Organic winter rye is a tall, early heading winter rye variety. It has good field results in an organic no-till roll down system.

103-PGS, \$24.00

### Pest & Disease Control......

Actinovate 18 oz \*RESTRICTED\*: A biological fungicide/bactericide for use in suppressing a broad range of diseases across multiple crops. It colonizes plant structures and attaches to the root zone or foliage to form a defensive barrier around the plant, which in turn keeps pathogens out. Actinovate AG forms a symbiotic relationship with plants and feeds off of the plant waste and secrets beneficial by-products. It's also a flexible fit in all crop production systems including organic, sustainable and conventional programs.

WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**374-PGS**, \$135.00

Apple Maggot Lure: Apple essence lure for use with red ball traps. Works up to 12 weeks to attract apple maggot flies. Nat'l List. Hang the red ball traps in the proximity to fruit at eye level, on the south or southeast side of the tree. For large, mature trees, use up to 6 traps per tree. If using more than one trap per tree, place some traps facing a wooded or brushy area. Hang each trap on a sturdy stem about 1' above a dense patch of fruitlets, and remove any foliage to create a leaffree area that is at least 18" in diameter. The apple maggot lures increase the efficacy of the traps by attracting flies from a distance. Situate the lure on the same limb about 12" behind the trap (so the lure is closer to the trunk than the trap is), on the underside of the branch. Leave the packaging fully intact on the lure; the apple essence scent penetrates the plastic.

**314-OGS**, \$4.00

**Birdscare Flash Tape:** Silver and red metallized 7/16"x290' plastic tape is a cost-effective method to protect crops against bird damage. Suspend tape in a loose spiral above the crop. Wind causes tape to flash and flicker resembling fire. Very effective against flocking birds and crows. May also help keep raptors away from your chickens. Less effective against robins, sparrows and their ilk. Don't apply too early or birds may get accustomed to tape.

**309-OGS**, \$8.00

Codling Moth Lure: The codling moth (Cydia pomonella) is a pest that damages fruit of apple, pear, walnut and quince. It is the "worm in the apple." The larva (caterpillar stage) typically bores through the blossom end or the stem end of the fruit, eating its way to the center and then eating an exit route that fills with frass. Codling moths go through two generations per year in most regions of the U.S. The first generation can contribute to fruitlets falling during "June drop." The second generation damages fruit but does not induce dropping, so affected fruit must be culled at harvest. The sex pheromone lure attracts males only; use for monitoring (as opposed to reducing population and fruit damage). When moths start to collect in the traps, that is the time to start spraying an organic insecticide: Bacillus thuringiensis (DiPel or Safer Caterpillar Killer) or Spinosad (Entrust or Monterey Garden Insect Spray). Use 1–2 traps per tree, depending on the size of the tree. Set out at bloom time and keep traps in trees through August, replacing every 4 weeks. Installation instructions included. Set of 2 traps and 2 lures.

**369-OGS**, \$15.00

Deer Stopper 1 qt 3# \*RESTRICTED\*: A mixture of rotten eggs and essential oils deters deer by taste and smell. Dries clear and odor free (to human noses) and will not wash off in the rain.Lasts up to 30 days. May be applied in any climate or weather as long as the sprayer does not freeze and clog.Apply directly to ornamentals;on edible crops, apply as a perimeter spray. Dilute 1:9 with water. Exempt from EPA registration. MOFGA ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**319-OGS**, \$45.00

Dipel 5# \*RESTRICTED\*: DiPel DF Biological Insecticide Dry Flowable is a proven insecticide derived from a soil bacterium that selectively targets destructive caterpillars and worms on more than 200 crops. DiPel is an excellent choice for worm control because it delivers effective and economical control of worm pests. And, it has no harvest residue or maximum residue limit concerns because it is exempt from tolerance. DiPel is a great rotational or tank mix partner to reduce the potential of worms developing resistance to insecticides with other modes of action. Active Ingredient: 54% Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids, spores and insecticidal toxins, OMRI Listed. ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**369-PGS**, \$87.00

Entrust SC 1 qt \*RESTRICTED\*: Spinosad is a mixture of spinosyn A and D metabolites produced during fermentation by Saccharopolyspora spinosa, an actinomycete (fungus-like) bacterium discovered in Caribbean soil. The spinosyns demonstrate excellent insect control with very low toxicity for other organisms. Spinosad is selectively active on insects of the orders Lepidoptera (caterpillar pests) and Diptera (flies) as well as some Coleoptera (beetles) and Hymenoptera (sawflies, wasps, ants, and—alas—bees). Targeted insects include leafminers, corn borers, leafrollers, cabbage loopers, armyworms, Colorado potato beetles, thrips, apple maggots, codling moths, lesser apple worms, and oriental fruit moths. Entrust is also labeled for flea beetles in Massachusetts.Liquid formulation, 22% spinosad. The recommended application rate is 4–8 oz/acre. Additional information and application instructions available at the Corteva website. Use caution when applying to avoid harming pollinators and other beneficial insects; don't apply during blossom. Apply in the early morning or late evening when pollinators are less active; use in a program of integrated pest management. One-quart bottle. Formulated for commercial growers. (Home gardeners, see Monterey Garden Insect Spray. EPA reg. 2719-621.

ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**323-OGS**, \$630.00

Fertrell Diatomaceous Earth, 50#: Diatomaceous Earth is an abrasive powder made from the mineral remains of single cell aquatic plants. Approximate bulk density 16 lbs/cu ft 119-PGS, \$34.00

### Fertrell Orange Guard, 32 oz \*RESTRICTED\*:

Orange Guard is an organic insecticide that kills on contact and keeps repelling for weeks. Orange Guard is effective against a broad range of indoor and outdoor insects including cockroaches, ants, fleas, grasshoppers, weevils, and many other hard to control insects. A natural insect killer, it can be used in and around the home and is safe for pets and people. Orange Guard is derived from d-Limonene (distilled orange peel extract).

ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**124-PGS**, \$13.00

Karanja Oil: Eastern tradition and Western utilitarianism meet again! Enlightened growers of veggies, fruits and medical ganja value karanja oil for its noteworthy pest- and disease-fighting properties. Pressed from the seed of the pongam tree of India, the oil is rich in several bitter flavonoids that stimulate plant immune function. Numerous studies have shown the oil to prevent many pests from feeding and laying eggs and to kill pests such as mites, aphids and leafminer larvae. Studies also show karanja works synergistically with a number of pest management sprays especially Neem Oil—to significantly improve their efficacy, and it lasts longer on plants than other botanical insecticides. Michael Phillips "completely recommends" using karanja in the Holistic Orchard Spray regime. It may be used instead of neem for plants like pear trees that can have a phytotoxic response to neem oil. It's also safer for bees, containing no azadirachtins. Furthermore, karanja remains a liquid at 40° or colder, making it easier to mix than neem. Very safe to handle and spray. To make a spray, mix 1 oz karanja oil (or ½ karanja and ½ neem oil) with 2 tsp biodegradable dish soap, and add to 1 gal lukewarm waterEastern tradition and Western utilitarianism meet again! Enlightened growers of veggies, fruits and medical ganja value karanja oil for its noteworthy pest- and diseasefighting properties. Pressed from the seed of the pongam tree of India, the oil is rich in several bitter flavonoids that stimulate plant immune function. Numerous studies have shown the oil to prevent many pests from feeding and laying eggs and to kill pests such as mites, aphids and leafminer larvae. Studies also show karanja works synergistically with a number of pest management sprays especially Neem Oil—to significantly improve their efficacy, and it lasts longer on plants than other botanical insecticides. Michael Phillips "completely recommends" using karanja in the Holistic Orchard Spray regime. It may be used instead of neem for plants like pear trees that can have a phytotoxic response to neem oil. It's also safer for bees, containing no azadirachtins. Furthermore, karanja remains a liquid at 40° or colder, making it easier to mix than neem. Very safe to handle and spray. To make a spray, mix 1 oz karanja oil (or ½ karanja and

½ neem oil) with 2 tsp biodegradable dish soap, and add to 1 gal lukewarm water. **94-OGS**, 3# \$35.00 / 10# \$120.00

### Maggot Barriers - Pack of 100 - NEW 2022:

Stretchable 100% nylon sleeves prevent apple maggot, codling moth and plum curculio from damaging tree fruits. Yes, these are essentially pantyhose coverings for individual apples, pears or stone fruits. This approach may seem like a bit of a "stretch," but when you consider how much time, energy and material inputs go into managing insect pests with spraying, it may be that nylon barriers are better-suited to your scenario. Can be used in conjunction with the Holistic Orchard Spray regime, which boosts tree vigor and immunity. Barriers can be used in other creative ways to block birds, rodents and deer from pecking, gnawing or stealing the goods of fruiting crops of any kind. Apply barriers when fruitlets are less than 1" in diameter and leave plenty of sleeve beyond the tip of the fruit to allow for growth. Then twist neck of sleeve tightly and seal around the stem with twist ties or clips. Made in the USA, these earthtone barriers are reusable. Heavy weave and reinforced seam; outperforms others on the market. Comes with 100 barriers. NEW!

**311-OGS,** \$12.00

Monterey Garden Insect Spray pt \*RESTRICTED\*:

Spinosad is a mixture of spinosyn A and D metabolites produced during fermentation by Saccharopolyspora spinosa, an actinomycete (fungus-like) bacterium discovered in Caribbean soil. The spinosyns demonstrate excellent insect control with very low toxicity for other organisms. Spinosad is selectively active on insects of the orders Lepidoptera (caterpillar pests) and Diptera (flies) as well as some Coleoptera (beetles) and Hymenoptera (sawflies, wasps, ants, and—alas bees). Targeted insects include leafminers, corn borers, leafrollers, cabbage loopers, armyworms, Colorado potato beetles, thrips, apple maggots, codling moths, lesser apple worms, and oriental fruit moths. Effective for a wide range of crops. Because it can be toxic to bees, avoid spraying during flowering and pollination. Apply this 0.5% solution of spinosads at 1-2 oz/gal for all crops. Registered for home garden use only. Commercial growers, see Entrust. EPA reg. 62719-314-54705.

ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**324-OGS**, \$33.00

Neem Oil-1QT 3#: Promotes the health and vitality of trees and plants. Neem has long been recognized for its antifungal, antibacterial and antiparasitic properties. Neem's azadirachtin content deters a wide range of insect pests, disrupts their life cycles, and often leads to their mortality. For a processed neem product registered as a pesticide, see AzaMax. Spray for full leaf coverage every 7-10 days as needed for suppressing disease or insect pests. Research indicates that pest and disease management is enhanced when neem oil is mixed with Karanja oil. To make a spray, mix 1 oz warmed neem oil (or ½ karanja and ½ neem oil) with 2 tsp biodegradable dish soap, and add to 1 gal lukewarm water. Avoid spraying when bees are pollinating as neem is harmful to larvae and developing grubs.

**316-OGS**, \$35.00

Pyganic 1.4 1 gal \*RESTRICTED\*: Provides immediate insect control for organic farming and provides immediate control of more than 40 insects on over 200 crops. It's active indgrediant is a botanical extract from species of chrysanthemum plant family called pyrethrum. Pyrethrum provides fast knockdown and control of a broad spectrum of crop-damaging insects including aphids, leafhoppers, thrips, mites, beetles, lepidoptera and whitefly.

ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**371-PGS**, *\$294.00* 

Pyganic 5.0 \*RESTRICTED\*: Provides immediate insect control for organic farming and provides immediate control of more than 40 insects on over 200 crops. Its active ingredient is a botanical extract from species of chrysanthemum plant family called pyrethrum. Pyrethrum provides fast knockdown and control of a broad spectrum of crop-damaging insects including aphids, leafhoppers, Thrips, mites, beetles, Lepidoptera and whitefly. Avoid applying when bees are active. ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**370-PGS,** 1 qt \$244.00 / 1 qal \$782.00

Red Ball Trap: Use to monitor and trap insects, including apple maggot fly and cherry fruit fly. Sturdy 3½" reusable hollow glossy red plastic ball with hook and wire for hanging. For monitoring purposes, place several traps along the southern perimeter of your orchard. Check traps twice weekly beginning just before your area has reached 900 growing degree days. To significantly reduce apple maggot damage, hang 1-6 traps per tree, depending on tree size. Coat traps with Stiky Stuff and hang about eye-level with 12-16" of clearance between them and any foliage so insects can get a good look at them. Hang the traps in the proximity to fruit at eye level, on the south or southeast side of the tree. For large, mature trees, use up to 6 traps per tree. If using more than one trap per tree, place some traps facing a wooded or brushy area. Hang each trap on a sturdy stem about 1' above a dense patch of fruitlets, and remove any foliage to create a leaf-free area that is at least 18" in diameter. Apple maggot lure vials increase the efficacy of the traps by attracting flies from a distance. Situate the vial on the same limb about 12" behind the trap (so the vial is closer to the trunk than the trap is), on the underside of the branch. Leave the cap fully secured on the vial; the apple essence scent penetrates the plastic. **312-OGS,** \$6.00

Safer Caterpillar Killer RESTRICTED\*: Use for Trees, Shrubs Vegetables Concentrate II. Liquid concentrate Bt (Bacillus thuringiensis subsp. kurstaki) Labeled for a variety of caterpillar pests on most vegetables, ornamentals, and shade trees. Mix 1–4 tsp/gal of water depending on the intensity of the infestation. Apply at first sign of activity and repeat as needed up to harvest. Best applied in the afternoon as Bt breaks down in direct sunlight. EPA reg. 70051-106-42697. ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**317-OGS**, \$25.00

### Safer Insecticidal Soap pt \*RESTRICTED\*:

Biodegradable contact insecticide effectively controls mites, aphids, earwigs, lace bugs, leafhoppers, mealybugs, scale, spider mites, thrips, tent caterpillars and whiteflies. Fatty acids penetrate the insects' soft outer membranes and disrupt normal functions. Use approximately 2½ oz/gal water. Hard water can reduce soap's effectiveness; if your water is hard, use distilled water. EPA reg. 42697-60.

ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**320-OGS**, *\$23.00* 

Sluggo \*RESTRICTED\*: A blend of iron phosphate, a naturally occurring soil mineral, with snail and slug bait. Many species of snails and slugs are attracted to the bait, leaving their hiding places and plants to feed. When they ingest even small quantities of iron phosphate, they cease feeding and die a few days later. Damage reduction is almost immediate. Scatter on the lawn or around plants or in the soil around trees and shrubs. Ground or lawn should be moist when applying. Apply at 1#/1000 sq ft, 1 tsp/sq yd. Reapply as the bait is taken. EPA reg. 67702-3-54705.
ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**321-OGS,** 1# \$13.00 / 5# \$38.00

### St Gabriel Organics Milky Spore 10 oz

\*RESTRICTED\*: Ready to use. Works on Japanese Beetle grubs—not the adults—so results are noticeable only over the long term. (Try PyGanic or Bug Buster-O for immediate control of adult beetles.) The active ingredient is spores of the bacterium Bacillus popilliae. Spread on the lawn, the spores collect on grassroots and are eaten by the Japanese beetle grubs. The grubs die in 7–21 days releasing billions of new spores. For best results treatment should be community wide. Apply 1 teaspoon of powder every 4' in 4' rows throughout the infested area. EPA reg. 063191-1. ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**322-OGS**, \$48.00

Sticky Strips, bundle of 10, Blue: Conventional and organic growers alike commonly use sticky strip traps as part of their integrated pest management programs, to monitor the presence and population level of insect pest species to determine when populations are high enough that crops will suffer significant damage and treatment will be economically justifiable. Used in high concentrations on small plantings, sticky strip traps can even control pests all by themselves. Different colors attract different insects. Use Blue Sticky Strips for thrips and leafminers; these are uniquely attracted to blue, while most other insects avoid it. Blue traps come with their own wire hangers. 315B-OGS, \$16.00

Sticky Strips, bundle of 10, Yellow: Conventional and organic growers alike commonly use sticky strip traps as part of their integrated pest management programs, to monitor the presence and population level of insect pest species to determine when populations are high enough that crops will suffer significant damage and treatment will be economically justifiable. Used in high concentrations on small plantings, sticky strip traps can even control pests all by themselves. Different colors attract different insects. Use Blue Sticky Strips for thrips and leafminers; these are uniquely attracted to blue, while most other insects avoid it. Blue traps come with their own wire hangers. 315Y-OGS, \$16.00

Sticky Stuff \*RESTRICTED\*: All-weather adhesive used to coat red ball traps for monitoring and trapping insect populations. Sticky and odorless coating. To remove, scrape off as much as possible using a blunt scraper and wipe with a paper towel or rag after each swipe. Then massage in mineral spirits, baby oil or CitraSolv with a cloth and wipe off. 8 oz covers approx. 2 sq ft, which our staff geometer calculates will coat at least 7 red ball traps.

ALLOWED WITH RESTRICTION. MUST NOT CONTACT ORGANIC CROPS. **313-OGS**, *\$15.00* 

Surround 25# \*RESTRICTED\*: Surround Crop
Protectant camouflages host plants and provides a
tactile deterrence to insect movement throughout
the plant. Derived from kaolin clay, Surround WP
forms a barrier film that acts as a broad spectrum
crop protectant. It is labeled to control insect pests
and disease while protecting against sunburn and
heat stress. Coats the plants with a white powder
film the creates a hostile environment for insects
and mites and acts as an irritant and the film that
creates a physical barrier to insects like psylla. For
use on trees such as apples, pears, peaches, citrus,
berries, and some field crops. Needs to be applied
before pests arrive.

ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**372-PGS**, *\$44.00* 

### **Surround WP Crop Protectant 25# \*RESTRICTED\*:**

This crop protectant is 95% kaolin clay, but this ain't pottery-grade kaolin. A patented process of centrifuging and filtering delivers a critical particle size of 1.4 microns and a pure white color. Prevents insects from recognizing their targets, and, if they land, inhibits their access to the plant's surface and causes irritation and excessive grooming. Particle sizes larger than 1.4 microns do not form an effective barrier to insects, and impurities in unrefined kaolin may injure plant health. Recommended for controlling European apple sawfly, plum curculio, Japanese beetle, leafhopper, Colorado potato beetle, thrips and other maleficial insects on fruit crops and field crops. Effective against cucumber beetles on cucurbits. The white surface also reflects sunlight, preventing sunburn and heat damage. Michael Phillips at Lost Nation Orchard estimates that one 25# bag is sufficient to treat 10 fruit trees for one season. Begin application before petal-fall. Apply 2-3 times the first week to build up a good coating and then every 10-14 days or as the film weathers or new growth appears, more frequently in rainy weather. Maintain a good coat until plum curculio season ends, around June 30 in central Maine. Use 25#/50 gal water for concentrated use;25#/100 gal water for diluted spray, 1/2#/gal water in hand and backpack sprayers. EPA reg. 61842-18. ALLOWED WITH RESTRICTION. PREVENTION MUST

BE USED FIRST.

**318-OGS**, \$68.00

**Tanglefoot \*RESTRICTED\*:** A very sticky substance made of castor oil, natural gum resins and vegetable waxes. Prevents climbing insects from reaching foliage, buds and fruit. Tightly wrap a piece of stiff 3" wide paper around the trunk a foot or two off the ground. Tape this "sleeve" to itself but not to the tree. Smear Tanglefoot on the paper. (Applying Tanglefoot directly to bark could damage the tree.) 15 oz spreads a 2-3"-wide band over 14' of paper.

ALLOWED WITH RESTRICTION. PREVENTION MUST BE USED FIRST.

**310-OGS**, *\$23.00* 

### Row Covers & Plastic Mulch. . . .

Black Plastic Mulch: Good all-purpose plastic mulch for cool-weather areas. Excellent weed suppression. Increases soil temperatures by several degrees. Put down a few weeks before planting to allow the soil to soak up some heat. Embossed texture increases strength and minimizes tearing. Recommended for tomatoes, cucurbits and sweet corn. 1.0 mil thick, 4' wide.

MUST BE REMOVED AT THE END OF EACH SEASON **307-OGS,** 4x50 \$8.00 / 4x250 \$25.00

Earth Staples: The garden seems full of rocks until you need one to anchor the row cover. Steel wire staples neatly hold down fabric row covers. Steel wire staples neatly hold down landscape fabric, row covers, irrigation line or fencing. We've always carried the 6" size, and we added the 9" size (NEW!) in response to growers requesting the extra length for better holding power in looser soils. **342-OGS,** 6"-25 \$6.00 / 6"-100 \$14.00 / 6"-1000 \$105.00 /9"-100 \$20.00 /9"-1000 \$180.00

**IRT Mulch 4x250' 5#:** InfraRed Transmitting plastic suppresses weeds nearly as well as black mulch and lets infrared light through to warm the soil beneath more quickly and to a higher temperature. For northern growers, IRT adds days to the growing season at both ends. Recommended for longseason squash, melons, peppers, eggplant and okra. 1.0 mil. 4' wide.

**308-OGS**, \$39.00

Orchard Netting: Drape over trees or bushes and fasten to protect fruit or berries from birds. Strong and durable black polypropylene ¾" mesh with UV inhibitors.

**337-OGS,** 7x20' \$11.00 / 14x14' \$12.00 / 28x28' \$27.00

**Plant's Pride Floating Crop Cover:** Protects against frost and colder temperatures; also protects against common pests such as cucumber beatles and flea beatles.

**376-PGS**, 83"x500' (.59oz) \$65.00 / 10'x500' (.59oz) \$94.00 / 83"x1000' (.59oz) \$129.00 / 7'x500' (1 oz) \$108.00 / 10'x500' (1 oz) \$141.00 / 7'x1000' (1 oz) \$198.00

Slitted Row Cover 6x50': Place over wire hoops to form small tunnels, creating a greenhouse environment to promote the growth of heat-loving plants. Self-venting on hot days. Offers a few degrees of frost protection. Especially recommended for sweet potatoes and long-season peppers. Tears more easily than fabric row cover; use soil or sandbags to anchor it, not rocks or staples. With care, can be reused. 1.1 mil. 340-OGS, \$15.00

**Trellis Plus:** 7" reach-through nylon mesh with a strand strength of 60# for tomatoes, climbing beans, peas, cucumbers and luffas. Weave a strand of fence wire through the top for extra support. Will last for many years if you can avoid "the tangles"!

**336-OGS,** 5x30' \$18.00 / 5x60' \$30.00

Weed Guard Plus: Standard Weight Roll. Sturdy dark brown paper provides a biodegradable mulch and weed barrier made from cellulose fibers. Porous enough to allow water penetration. Usually provides a season of weed suppression and soiltemperature moderation, although the rate of decomposition will depend on weather conditions and the degree of biological activity in the soil. Perfect for giving competitive crops a protected start. Recommended for pumpkins, squash, cabbage, broccoli and cauliflower. Not recommended for high-traffic areas or where reliable season-long protection is required. A great alternative to plastic mulch if you want to reduce your footprint or your end-of-season labor bill. 36" wide.

**304-OGS,** 36"x250' \$60.00 / 36"x500' \$95.00

Wht/Blk Plastic Mulch 4x250 5#: Upper white layer reflects sunlight back on the plants, increasing photosynthesis. Black lower layer blocks light to suppress weeds. Less solar energy is transmitted to the soil, keeping soil temperatures lower. Growers on the Vermont Vegetable and Berry Growers Association listserv report that white-on-black mulch repels thrips as well as reflective silver mulch, while being easier on workers' eyes. Recommended for cool-loving strawberries, onions, brassicas and lettuce. 1.0 mil. 4' wide. MUST BE REMOVED AT THE END OF EACH SEASON. 306-OGS, \$30.00

Wire Hoops: For building tunnels with slitted plastic or Agribon. Most effective if spaced every 5' or less. "Hoops" are shipped as straight 74" flexible rods of 10-gauge wire. Stick one end in the ground and then stick the other end in at the desired tunnel width to form a hoop. (The shipping weights reflect the cost of shipping these over-long bundles that look like we are sending you a pool cue!) **341-OGS**, 20 ct \$30.00 / 100 ct \$130.00

Woven Ground Cover: Thick commercial-grade polypropylene fabric that deters stubborn weeds (like dandelions). Not organic, but not a throwaway product like the plastic mulches. This super-rugged fabric will last at least a decade if protected from photodegradation by a thin layer of wood chips, straw, hay or Buckwheat Hulls. Very resistant to tearing. Use around the base of trees, in perennial flower beds, or in permanent walkways in your garden. Allows water penetration. The two widths come from different manufacturers at this time. The 4' fabric is smooth on both faces. The 6' fabric is heavier-duty and has a fuzzy underside that prevents it from sliding around.

**305-OGS,** 4x50 \$60.00 / 6x50 \$90.00

## Trays & Pots.....

**Domes:** Clear plastic raised covers, approximately 2" high, fit over 1020 Trays to create a miniature greenhouse environment for seedlings. Keep the soil from drying out, speed germination, improve germination for temperature-sensitive seeds like eggplants, peppers and husk cherries, and encourage good early growth. Humid conditions can encourage mold growth, so monitor carefully and vent domes with a dowel if necessary. **332-OGS,** 5 ct \$15.00 / 50 ct \$105.00

Fabric Pots \*POTENTIALLY RESTRICTED\*: Non-woven fabric pots provide excellent support to growing plants while allowing air to flow through the pot walls, preventing root circling and helping to aerate the growing medium. Lets water drain thoroughly. Fantastic for indoor growing, or for outdoor growing if you don't want to deal with weeds, compaction, or poor drainage. 1-gal pots do not have handles;3-gal, 5-gal, and 20-gal pots have built-in handles for easier maneuvering. Other sizes (up to 1000 gal!) available by special order. (See also Transplanter Pot.)

TALK TO YOUR CERTIFIER ABOUT WHETHER THEY CAN CERTIFY CROPS GROWN IN CONTAINERS **329-OGS**, *3 gal \$4.00 / 5 gal \$6.00 / 20 gal \$14.00* 

**Fabric Transplant Pot:** Like our regular Fabric Pots, but with a Velcroed slit side to allow for easier transplanting without disturbing the root ball. With felt handles. By popular request from our walk-in customers.

**328-OGS**, \$5.00

**Heavy Duty Dome:** Sturdy clear plastic domes from the manufacturer of our heavy-duty plant trays. Will last for years with reasonable care. 3\_" tall.

**334-OGS**, *\$7.00* 

Jiffy Pots 3" Square: Peat pots. Square pots can be more tightly packed than round pots. Saves space and conserves moisture. 18 fit in a standard 1020 Tray. Peat Jiffy Pots can be put directly in the ground without disturbing seedlings. 3" square, 3%" tall.

**326-OGS,** 36 ct \$7.00 / 1260 ct \$185.00

Jiffy Pots 3"Round: Peat pots. Just the right size for tomatoes, brassicas and melons. 18 fit in a standard 1020 Tray. Peat Jiffy Pots can be put directly in the ground without disturbing seedlings. 3" round, 3 " tall.

**325-OGS,** 50 ct \$8.00 / 1400 ct \$175.00

Jiffy Pots 4 1/2" round: Peat pots. Bigger pots for squashes and other late-season plants. 14 fit in a standard 1020 Tray. Peat Jiffy Pots can be put directly in the ground without disturbing seedlings. 4 "round, 4" tall.

**327-OGS,** 50 ct \$13.00 / 1056 ct \$185.00

Plastic Six-packs: Convenient tear-apart plastic containers. 6 cells, 2-3/16x2%x3¼", to a pack, 6 packs to a sheet. Sheet fits easily into a 1020 Tray. Great for selling seedlings.

**330-OGS,** 5 sheets \$8.00 / 100 sheets \$105.00

**Trays - 1020 with holes, 5ct:** 10\_x21x2\_" grey plastic trays, often called 1020 Trays. Use with domes to hold in heat and moisture.

**331-OGS**, \$15.00

Trays - Heavy Duty Plant: These sturdy 11x22x2\_" khaki plastic trays will last for years and are strong enough to hold 50 2" soil blocks without strain. Good for windowsills because they have no drain holes. Will cradle all the plastic trays we carry, as well as most other standard 10x20 trays. Use with a dome to hold in heat and moisture. Store out of sunlight when not in use; will fade and weaken if left in direct sun over the summer.

**333-OGS**, \$12.00

Trays - Mesh Bottom: Like our standard 1020 trays, but with open mesh bottoms. Favored by many growers for soil block propagation as roots will air-prune, or can be used to support plug flats. Used in hydroponic production to suspend cuttings or young plants in nutrient solution. 2%" deep. 335-OGS, 5 ct \$13.00 / 50 ct \$90.00

Wooden Pot Labels: Untreated wooden sticks for labeling seedlings. Made in Maine from New England white birch. 5x%"sticks.

358-OGS, 50 ct \$5.00 / 1000 ct \$45.00

# **Bunching & Packing.....**

Berry Boxes: Green pulp berry tills used for blueberries, raspberries, blackberries, and strawberries. Features slotted sides for ventilation, effectively providing air for your fruits during the hot summer months. Your berries will stay fresh and plump during the summer because of this efficient design. This container is made entirely of recycled pulp to provide a sustainable alternative to plastic products. Since it is biodegradable and compo-stable, it makes a great eco-friendly addition to your business.

**373-PGS,** 1/2 pint - 50 ct \$8.00 / 1/2 pint - 600 ct \$72.00 / pint - 50 ct \$8.00 / pint - 420 ct \$60.00 / quart - 50 ct \$12.00 / quart - 297 ct \$62.00

**Bunching (Rubber) Bands:** 1# pkg. These are #64 size, \_x3\_", approximately 425 per pound. Useful for bunching broccoli, dried flowers, carrots, beets and scallions for market.

**364-OGS,** \$15.00

**Burlap Bags-3:** Untreated, holds 50# of potatoes. Also works well in market displays: soak thoroughly to keep produce damp and cool. Jute bags are approximately 18x30". Since our warehouse cats love these so much, these could be called "Purrlap" bags.

**363-OGS**, \$9.00

Mesh Produce Bags - 50: Red poly mesh with a fold-over stitch-sealed "Fresh Produce" label on one end of the 24" long bag. Fill from other end—will stretch to 8" diameter—then tie off. Write on the label or put a sticker over it. Holds up to 10 pounds of garlic or onions in an air-flow—friendly bag for curing or storing, or a convenient packaging for markets.

**368-OGS**, \$18.00

Plastic Roll Bags-10X15: Side printed produce bag will safely hold and transport food items. FDA-approved, this high density polyethylene plastic bag provides excellent water and vapor barrier properties making it ideal for produce, meat, seafood and frozen food! This bag's 9 micron thickness also makes it capable of holding bulk food items. Compared to other produce bags, this side print plastic bag is a cost competitive alternative that doesn't sacrifice customer convenience. With a patented Grip N Go corner tab, it's quick and easy to open this bag, and static is reduced to eliminate sticking. 10x15" bags in a roll of 1400.

**366-OGS**, \$58.00

Plastic Roll Bags-12X20: Side printed produce bag will safely hold and transport food items. FDA-approved, this high density polyethylene plastic bag provides excellent water and vapor barrier properties making it ideal for produce, meat, seafood and frozen food! This bag's 9 micron thickness also makes it capable of holding bulk food items. Compared to other produce bags, this side print plastic bag is a cost competitive alternative that doesn't sacrifice customer convenience. With a patented Grip N Go corner tab, it's quick and easy to open this bag, and static is reduced to eliminate sticking. 12x20" bags in a roll of 875.

**367-OGS**, \$60.00

**Potato Bags:** Heavy paper bags for storing or marketing your own spuds. To avoid moisture build-up, 5# size has a mesh vent in front (bundles of 5);20# and 50# sizes have punched airholes (bundle of 3).

**362-OGS,** 5# - 5 \$3.00 / 20# - 5 \$4.00 / 50# - 3 \$5.00

Sisal Garden Twine 3000' - NEW 2022: Premium untreated 1-ply twine made from the sisal plant, Agave sisalana, which originated in Central America. The utility of this twine is endless (until you get to the end of the roll). A good companion to Biodegradable Tomato Clips for trellising vine crops;it's okay if the "jaws" on the clip can't bite the entire thickness of the twine;simply pull some of the strands of the twine away to have the clip bite a portion of them. Thrifty growers may get more than one year's use but don't count on that;whenever you're through with it, you can compost it. Comes in a 10# ball, 3000 feet. For best results, pull the twine from inside the ball. Tensile strength 240 lb.

**338-OGS**, \$49.00

Tomato Twine 6300ft with belt loop (1 box): Quality white twine, box has a belt loop. 6,300 ft 375-PGS, \$9.00

Wooden Produce Basket - 3: Old-time wooden lath and wire baskets in bushel, half-bushel, peck and half-peck sizes. Classic and effective. We sell hundreds every year at the Common Ground Fair (pandemic years excepted). Bushels and half-bushels have a wire loop on each side for handles, pecks and half-pecks have a wire bail with a wood handle. Made in Pennsylvania. Three baskets of one size.

**365-OGS,** 1/2 Peck \$15.00 / 1/2 Bushel \$18.00 / Peck \$18.00 / Bushel \$21.00

### Tools & Knives.......

**Broccoli Knife:** Specialized trapezoidal shape with two cutting edges slices plants off at ground level for clean quick harvesting or nips sideshoots for continued growth. Stainless steel blade has high carbon content for easy sharpening.Blade 7" long, 2" wide at widest point;handle 4\_" long in bright yellow plastic for good visibility in the weeds. **345-OGS**, \$9.00

Compost Tea Brewer: Our custom designed fully-aerobic compost tea brewer is built so that the entire tank receives even, constant aeration throughout the brewing process. Our brewers can take a couple pounds of Vermicompost and, through an aeration process, multiply the microorganisms and create gallons of highly nutritious Vermicompost Tea.

381-VCC, 7 gal \$650.00 / 15 gal \$825.00 / 30 gal \$950.00

Felco #300 Flower Shears: Useful for light pruning, deadheading and cutting stems for arranging. Manufactured in Italy with the same fine steel as the more expensive Felco tools. A lightweight inexpensive introduction to this excellent line. 350-OGS, \$21.00

Felco #310 Harvest Shears: Fruit and vegetable harvesting shear, lightweight with a narrow needlenose head for harvesting grapes, cutflowers, broccoli sideshoots, and other produce. Great for pruning nightshades, too! Manufactured in Italy with the same fine steel as the more expensive Felco tools.

**351-OGS**, *\$21.00* 

**Felco Hand Pruners:** The classic Felco handpruners: heavy-duty, lightweight, comfortable to hold. Excellent cutting action. Blade features a sap groove and soft-wire cutter. Easy to adjust and sharpen.

**349-OGS,** *Left-Handed* \$68.00 / *Right-Handed* \$68.00

**Field Stakes:** You won't lose these variety markers in the undergrowth. Longer and thicker than the garden stakes, these untreated field markers are easy to spot in the thickest bean bushes. 18x1½x½". Made in Maine.

**361-OGS,** 25 ct \$18.00 / 100 ct \$68.00

Fruit Pole Picker/World's Best Fruit Picker: We've been through a few different models of fruit pickers: it turns out people are picky about their pickers! This one seems to make everyone happy. Foam-lined cradle and narrow curved teeth;the handle is fiberglass and telescopes from 6½' to 13' to pick those pears way up high. Please note: we sometimes ship the head separately from the pole for shipping efficiency. Manufactured in Taiwan. **348-OGS**, \$35.00

**Grafting Knife:** To shape a stick of scionwood for grafting, you need a knife that is beveled on only one face so the cut is as flat as possible. We offer "right-handed" and "left-handed" grafting knives see below to decide which knife will suit your style of grafting.A (right-handed): 21/4" stainless steel blade;3½" alloy-lined nylon handle with satin finish; overall length: 6½"; manufactured in Switzerland.B (left-handed): 21/4" carbon steel blade;4%" fiberglass-reinforced nylon handle with satin finish; overall length: 6.7"; manufactured in Italy. Why is B more expensive than A? The righties are manufactured on a much greater scale than lefties. Also, the lefty knife features a precision bark-lifter tab. Appearance of handle may vary from photo; sometimes we have red handles and other times we have black handles.

**347-OGS,** *Left-Handed* \$35.00 / *Right-Handed* \$25.00

Hori-Hori Weeding Knife: Someone using heavy equipment could bend this digging tool, but no amount of prying in the garden will. Thick concave steel blade with beveled edges tapering to a point, one semi-sharp smooth edge and one serrated edge. The 6½" blade extends 2½" into the wooden handle to which it is securely riveted. Susan and David's favorite handtool, still in good condition after decades of hard use and benign neglect. Originally designed to extricate plants for bonsai from Japan's mountains. Good for prying out taprooted weeds, knocking soil from sods and weed clumps, planting bulbs and strawberry crowns, for general cultivating and for sawing small roots or heavy stems, though not as sharp as a knife or a saw. Comes with a black vinyl sheath with a belt loop. 6½" blade, 11¼" long overall. **346-OGS**, \$35.00

**Soil Thermometer:** Bi-metal spring with 1%" needle dial on a 5" stainless steel probe for monitoring soil temperatures at planting depth. Gauge the optimum time for planting and avoid damping-off and other temperature-related problems. Registers from 20−180°. **353-OGS,** *\$14.00* 

Stirrup Hoe - NEW 2022: Also known as the scuffle hoe, this is an essential tool for dealing with weeds small and large. The oscillating head works its way under the soil surface, where it slices through the weeds' roots while you stay comfortably upright, without needing to exert much downward pressure. Excellent for footpaths and in beds where rows are widely spaced. Start on one end of the path or row and scuffle your way backwards, cutting the roots with each pull stroke. Fedco's sturdy version combines a head manufactured by a New York farmer with a handle made in Tennessee from ash, embossed with the Fedco logo so you display your co-op loyalty. 5" wide blades are sharpenable and replaceable. Handle is 11/4 x 60" and the overall tool length is 66". We ship the head and handle separately and include a self-tapping screw for simple one-step assembly.

**343-OGS**, \$60.00

**Tomato Stakes 25:** Hardwood tomato stakes, 1"x1"x6', bundle of 25. Pointed on one end. Locally harvested and milled hardwood (either ash or oak). **339-OGS**, *\$45.00* 

Treated garden stakes \*RESTRICTED\*: Treated with non-toxic white paint, these are the official stakes in Fedco trials. At the end of the summer, names stand out clearly and the stakes show little deterioration, even where they have been in contact with the soil. 12x1½". Made in Maine NOT ALLOWED IN ORGANIC FIELDS.

359-OGS, 25 ct \$10.00 / 250 ct \$75.00

Untreated Garden Stakes: For those who prefer the simplicity, aesthetic, and economy of plain wood for marking rows. Won't last as long in the elements as our Treated Stakes, but you can count on them for at least a full growing season. 12x1½". Made in Maine.

**360-OGS,** 25 ct \$8.00 / 250 ct \$60.00

Wheeler Pruning Saw: John Bunker says, "Although not well known outside the orchard trade, this is the best all-around pruning saw there is. I never prune a tree without it. Looks like a hacksaw and cuts like a sharp knife through soft butter. It hangs on your arm as you monkey your way around trees. The blade can be installed to cut on the pull or push stroke." We much prefer the pull stroke. Wooden handle, arched metal frame. 10 teeth/inch. Blade length, 14";total saw length, 16";weight, 11.5 oz. Replacement blades available. 352-OGS, \$58.00

Wire Weeder: Like a stirrup hoe, these weeders in both hand and long-handled models make quick work of small weeds, slicing the stem from the root just below the soil surface. Unlike a stirrup hoe, they don't have moving parts to wear down, and they are light as a feather—though plenty strong. Made in Vermont by Two Bad Cats, a father-son team who engineer and manufacture well-made ingenious tools for the serious gardener and small farmer. These wire weeders are one of their most popular items. Not intended for hacking through tough roots or into compacted soil, so please don't use them that way. Both versions have a 5" wide head and an aluminum handle with a comfortable foam grip. The hand weeder has a 10" handle (overall length 14") and the long weeder has a 56" handle (overall length 60").

**344-OGS,** 10" Handle \$38.00 / 56" Handle \$65.00

# **Seedlings**

Seedlings will be delivered across two dates, April (alliums, onions, and kale) and May (all other seedlings), and are only available to pick up at the following sites: Oakham, Providence, Sherborn, and Springfield, as well as directly from Red Fire Farm's Montague Farm.

### 

#### **AGERATUM**

**Tall Blue Planet:** Great filler flower in a lovely shade of blue! Grows 24"-30" tall. Quantity: 72 **495-RFF**, \$39.00

**AMARANTH Coral Fountains:** Similar to Love-Lies-Bleeding but in a unique coral pink. Quantity: 72 **497-RFF**, \$39.00

**AMARANTH Love-Lies-Bleeding:** Long unusual floral strands in a rich wine red that add drama to a bouquet or arrangment. 36"-60" Quantity: 72 **496-RFF**, \$39.00

**ARTEMESIA Sweet Annie:** Very fragrant greenery for use in bouquets or wreaths. 48"-72" Quantity: 72

**498-RFF**, \$39.00

**ASTER Tower Custom Mix:** A China aster with 2-3", peony-type blooms. Mix includes shades of blues and purples, white, salmon, and pinks and red. 28-32" Quantity: 72 **499-RFF**, \$39.00

**BUPLEURUM:** A great filler producing chartreuse flowers atop wiry stems. 24-36" Quantity: 72 **500-RFF**, \$39.00

CALENDULA Flashback Mix: Stunning mix of soft colors with bicolor petals. High percentage of doubles. 18-24" Quantity: 72 **501-RFF**, \$39.00

CALENDULA Orange Button: 2-2.5" deep orange blooms with a dark, contrasting eye. 18-30" Quantity: 72
502-RFF, \$39.00

**CELOSIA Chief Mix:** Velvety, unique blooms in vibrant colors! Mix includes gold, rose, persimmon, and red shades. 36-40" Quantity: 72

**503-RFF**, \$39.00

**CELOSIA Pampas Plume:** Soft, feather-like multicolored plumes on 3-4 foot plants. Scarlet, orange, yellow, pink, and cream. Quantity: 72 **504-RFF**, \$39.00

**CENTAUREA Florist Blue Boy:** A classic cornflower in deep blue! Abundant 1.5" double and semidouble blooms on upright stems. 30-38" Quantity: 72

**505-RFF**, \$39.00

**COSMOS Double Click Mix:** Large, fully-double and semidouble blooms in shades of carmine, pink, and white make this a great cut flower and garden addition. Quantity: 72 **507-RFF**, *\$44.00* 

**CYNOGLOSSUM Firmament:** True blue forgt-menots! Long first cut stems and then loads of shorter branching side stems. 18-24" Quantity: 72 **506-RFF**, \$39.00

**DIANTHUS Volcano Mix:** Beautiful mix of colors that blend well in bouquets or stand alone as a single variety bunch. 2-4" blooms have a sweet smell! 16-24" Quantity: 72 **508-RFF**, \$55.00

**ECHINACEA purpurea:** Perennial that attracts beneficial insects. Used medicinally to support the immune system and aid in seasonal transitions. 24-36" Quantity: 72 **509-RFF**, \$39.00

**EUCALYPTUS Silverdrop:** Small, silvery green leaves on well- branched stems. Ideal bouquet filler. Excellent fresh or dried. 24-36" Quantity: 72 **510-RFF**, \$55.00

**FEVERFEW Magic Single:** Prolific flower filler! Enchanting clusters of white flowers with a yellow center, 28-36" Quantity: 72 **511-RFF**, *\$44.00* 

**GOMPHRENA QIS Orange:** Prolific producer of little gumdrop like flowers. Wonderful accent in mixed bouquets. Great dried. 18-28" Quantity: 72 **512-RFF**, *\$39.00* 

**GOMPHRENA QIS Pink:** Prolific producer of little gumdrop like flowers. Wonderful accent in mixed bouquets. Great dried. 18-28" Quantity: 72 **513-RFF**, \$39.00

**GOMPHRENA QIS Purple:** Prolific producer of little gumdrop like flowers. Wonderful accent in mixed bouquets. Great dried. 18-28" Quantity: 72 **514-RFF**, *\$39.00* 

**GRASS Feathertop:** Quantity: 72 **515-RFF**, *\$39.00* 

**GRASS Frosted Explosion:** Airy flower heads almost look fiber optic! Fantastic filler. 24-32"

Quantity: 72 **516-RFF**, *\$39.00* 

**NICOTIANA Bronze Queen:** Chocolate bell-shaped blooms dance above plants and in mixed bouquets. Very prolific if kept deadheaded. 24-36" Quantity:

**517-RFF**, \$39.00

**NIGELLA Love-in-a-Mist:** Stunning and romantic best describe these beauties! Unusual seed pods add interest to mixed bouquets as well. 12-24" Quantity: 72

**518-RFF**, \$39.00

RUDBECKIA Cherokee Sunset Mix: Large, double flowers in a range of colors. 4-5" blooms all summer. AAS winner. 24-30" Quantity: 72 519-RFF, \$44.00

**RUDBECKIA Indian Summer:** 4-7" golden blooms on sturdy stems. AAS winner. 36-42" Quantity: 72 **520-RFF,** *\$39.00* 

**SALVIA Victoria Blue:** Tolerant of heat, humidity, and poor soils, plants produce 5-8" blue spikes all summer. 18-24" Quantity: 72 **521-RFF**, *\$39.00* 

**SNAPDRAGON Rocket Mix:** A 2 1/2-3' tall plant packed with a colorful mix of blooms in bright gem tones. Flowers are edible. Quantity: 72 **522-RFF**, *\$39.00* 

**ZINNIA Benary's Giant Mix:** A must have for cut flower growers. Fully double flowers with ten popping colors in the mix. High yields! Quantity: 72 **523-RFF**, *\$44.00* 

**ZINNIA Oklahoma Formula Mix:** Double and semidouble blooms of bright colors with high yields and long shelf life. Quantity: 72 **524-RFF**, \$39.00

**ZINNIA Queen Mix:** Stunning colors with mostly double blooms. Mix includes lime peach, lime orange, lime with blush, and red lime. 30-40" Quantity: 72

**525-RFF**, *\$44.00* 

ANISE HYSSOP: Vigorous plants produce abundant blossoms great for pollinators! Aromatic plants smell of a sweet licorice-mint mix! Use edible leaves and flowers fresh or dried in drinks, salads, pastas and more! Tender perennial. Quantity: 32 526-RFF, \$43.00

**BASIL Lemon:** Brightly flavored heirloom variety with bright green, lemon scented, flat leaves and white flowers. Grown from seed. Quantity: 72 **528-RFF**, \$39.00

**BASIL Prospera:** Classic Genovese basil with great disease resistance. Dark, glossy 3" long leaves on plants that can grow up to 24" tall. Quantity: 72 **527-RFF**, \$39.00

**BASIL Red Rubin:** Deep purple sweet basil with strong downy mildew resistance and late season production. Grown from seed. Quantity: 72 **529-RFF**, \$39.00

**BASIL Thai:** Attractive plant with unique anise-clove flavor – the finishing touch in many south asian recipes. Grown from seed. Quantity: 72 **530-RFF**, *\$39.00* 

**CATNIP:** These vigorous plants have lovely soft, grey-green foliage and white flowers. Enjoy as a tea or share with your cats! Perennial. Quantity: 32 **531-RFF**, \$43.00

**CHAMOMILE Common:** Small daisy like flowers with lacy foliage. Strong sedative properties when made into tea. Use both flowers and leaves, fresh or dried. Quantity: 32 **532-RFF**, *\$43.00* 

**CHIVES:** An indispensable herb with mild onion flavor and beautiful pale purple edible flowers.

Quantity: 32 **533-RFF**, *\$43.00* 

**CHIVES Garlic:** Flat-leaf chive, use in place of garlic even before scapes arrive gorgeous white edible

flowers Quantity: 32 **534-RFF**, *\$43.00* 

**CILANTRO Santo:** Standard flat cilantro variety with superb sweetness and resistance to bolting.

Quantity: 72 **535-RFF**, *\$39.00* 

**DILL Ella:** A great aromatic variety to use for fronds, seeds, and flowers. Quantity: 72

**536-RFF**, *\$39.00* 

**LAVENDER Hidcote:** English lavender prized for it's long lasting and delightful fragrance. Use fresh or dried in desserts, salads, or teas! Perennial. 18"-24"

Quantity: 32 **537-RFF**, *\$76.00* 

**LAVENDER Provence:** One of the best lavenders for humid summers. With exceptionally large flowers that are extremely fragrant! Use fresh or dried. Perennial. 24"-36" Quantity: 32

**538-RFF**, *\$76.00* 

**LEMON BALM:** Easy to grow perennial with lovely serrated heart-shaped leaves. Use the lemony leaves in teas and salads! Quantity: 32

**539-RFF**, *\$43.00* 

MINT Peppermint: Classic mint flavor and aroma. High oil content makes the leaves potent and useful! Dry or use fresh. Quantity: 32 540-RFF, \$76.00

**MINT Spearmint:** Spicy vibrant mint flavor and aroma. Best mint to use for fresh or dried teas.

Great for headaches! Quantity: 32

**541-RFF**, \$76.00

**OREGANO Greek:** One of the most popular culinary herbs for greek and italian cooking. vigorous in hot weather! Quantity: 32

**542-RFF**, \$43.00

**PARSLEY Curled:** Dark green extra curled parsley, disease resistant with healthy upright shape.

Quantity: 72 **543-RFF**, \$39.00

**PARSLEY Flat:** Flat leaf heirloom type as very high yields and healthy upright plants.

Quantity: 72 **544-RFF**, *\$39.00* 

**ROSEMARY Arp:** Medium-high, open growth benefits from frequent pruning. Fragrant, thick gray-green leaves are dulled by a resinous coating.

Winter hardy. Quantity: 32

**545-RFF**, *\$76.00* 

**SAGE Common:** A hardy garden variety for use in dressings, teas, sauces, marinades, salts, wreaths

etc. Quantity: 32 **546-RFF**, *\$43.00* 

**SAVORY Winter:** Delicate dark green leaves with a strong spicy flavor on a semi-woody, herbacious perennial. Easy to grow! Quantity: 32

**547-RFF.** \$43.00

**TARRAGON French:** An essential herb for French cuisine! Adds depth of flavor to sauces, salads, soups and more! Adds a beautiful texture to the herb garden. Quantity: 32

**548-RFF**, *\$76.00* 

**THYME Winter:** Classic culinary and ornamental herb. Small needle-like evergreen leaves on woody stems. Use fresh or dried. Quantity: 32

**549-RFF**, \$43.00

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**BEET Red Ace:** A standby early beet variety with excellent disease resistance, sweet flesh, and beautiful uniform shape. Quantity: 72 **400-RFF**, \$39.00

**BROCCOLI Gypsy:** A rugged variety which produces excellent deep green even heads. Heat, cold, and poor soil tolerant. Quantity: 72 **401-RFF**, \$39.00

BRUSSELS SPROUTS Gustus: Gustus is early maturing with mid-green, firm buttons that are evenly spaced on the stalk. A high yielding sprout that grows 24" tall. Quantity: 72 402-RFF, \$39.00

**CABBAGE Bravo (green):** Beautiful blue-green midseason variety with large uniform heads. Perfect for sauerkraut. Quantity: 72 **403-RFF**, \$39.00

**CABBAGE Ruby King (red):** Midseason red with good flavor. Heads avg. 3 lb.and are a vibrant bright red. Good, slightly sweet and peppery flavor Quantity: 72 **404-RFF**, \$39.00

**CAULIFLOWER Bishop:** Adaptable early variety with dependable, uniform hite heads. Quantity: 72 **405-RFF**, \$39.00

CHARD Celebration: A gorgeous chard with fantastic color! Plants produce thick red, yellow, rose, gold, and white stems that bear slightly savoyed leaves of burgundy and green. The colours are richest at full maturity, so give it some time to deliver the rainbow effect. The immature leaves are tender and excellent in salads, while the cooked mature leaves and stalks have a flavour that is milder than cooked spinach, and packed with nutrients. Quantity: 72

406-RFF, \$39.00

**COLLARDS Flash:** Flash is a dark-green-leaved collard known for its vigor, high uniformity, and impressive yields. The 16-23 inch, smooth, broadleaved plants are very slow to bolt, offering longer, more dependable harvests. An excellent cutting green with a mild, sweet flavor especially if exposed to a little frost. High in iron, calcium, potassium, phosphorus, and vitamins A, B, C, and E. Rapid regrowth after harvest. Quantity: 72

**CUCUMBER (PICKLING) Max Pack:** Huge yields of very uniform and attractive 4 1/2" icklers borne on vigorous vines. Small seed cavity a nice feature for a pickling cucumber). Quantity: 32

**409-RFF**, \$43.00

**CUCUMBER (SLICING) Marketmore 76:** A prolific producer, this long green slicing cuke has unsurpassed disease resistance and wonderful sweet flesh. Quantity: 32 **408-RFF,** \$43.00

**CUCUMBER (SLICING) Mercury:** Great yields of 8" dark, thin skinned, shiny fruits. Sweet and flavorful flesh! Small seed cavity. Matures in 55 days. Quantity: 32

**410-RFF**, *\$43.00* 

**EGGPLANT (ASIAN) Orient Express:** Long, slender fruits, with dark indigo skin. Good for both baking and stir-fry Quantity: 32 **411-RFF**, *\$43.00* 

**EGGPLANT (BICOLOR) Rosa Bianca:** Beautiful Italian heirloom with striking pink and hite stripes on large fruits. Quantity: 32 **412-RFF**, \$43.00

**EGGPLANT (BLACK) Nadia:** The best black Italianstyle hybrid for flavor and disease resistance. Can set fruit under cool conditions. Quantity: 32 **413-RFF**, *\$43.00*  **GROUND CHERRY Husk Cherry:** Flavor between a tomatillo and a pineapple with broad culinary application and a favorite with the kids. Quantity: 32

**414-RFF**, *\$43.00* 

**KALE Lacinato:** Popular, dark green dinosaur type can be eaten cooked or raw. Quantity: 72 **415-RFF**, \$39.00

**KALE Red Russian:** Extra tender leaves have purple blush, can be grown for baby kale or full leaves for sauteing. Quantity: 72 **416-RFF**, \$39.00

**KALE Winterbor:** Extra hardy variety with attractive green curly leaves, frost hardy and

resistant to bolting Quantity: 72

**417-RFF**, \$39.00

**LEEK King Sieg:** Has dethroned King Richard as a more stable and disease resistant variety. Shanks are medium height, with wonderful thickness, and blue and green coloration in the leaves. Quantity: 128

**418-RFF**, \$39.00

### **LETTUCE (GREEN BUTTERHEAD)**

**Mirlo:** Large, bright green heads that perform well spring, summer, and fall! Quantity: 128

**424-RFF**, \$39.00

### **LETTUCE (GREEN LEAF)**

**Greenstar:** Gorgeous medium sized lofted heads are resistant to hot weather, tipburn, and downy mildew. Quantity: 128

**422-RFF**, \$39.00

### **LETTUCE (GREEN OAK LEAF)**

**Kiribati:** This oak leaf lettuce has tightly pleated leaves with a buttery texture. Shorter leaves are dense, making round beautiful heads. Quantity:

128

**423-RFF**, \$39.00

LETTUCE (ICEBERG) Crispino: Medium-size, glossy

green, firm heads. Juicy and mild!

57 days. Quantity: 128 **420-RFF**, *\$39.00* 

### **LETTUCE (RED BUTTERHEAD)**

**Skyphos:** Lovely, dark red heads fade to green. Great flavor and texture! 47 days. Quantity: 128

**426-RFF**, \$39.00

### **LETTUCE (RED LEAF)**

**New Red Fire:** A beautiful heat tolerant red leaf lettuce with vibrant lacy leaves. Red Fire Farm is named for this variety! Quantity: 128

**425-RFF**, \$39.00

### LETTUCE (RED OAK LEAF)

Cantarix: Large heads with dark red, lightly savoyed leaves that taper to a lime green center. 55 days. Quantity: 128 419-RFF, \$39.00

LETTUCE (ROMAINE)

**DOV:** Dark green, heavy, open plants that stay sweet in the heat! 76 days. Quantity: 128

**421-RFF**, \$39.00

### **MELON (MUSKMELON)**

**Pride of Wisconsin:** Oval, 4-8 pound fruits have firm orange flesh. Plants are heavy producers. Oldfashioned muskmelon flavor. 90-100 days.

Quantity: 32 **427-RFF**, \$43.00

### **MELON (WATERMELON)**

**Orangeglo:** Crisp tender bright orange flesh is juicy and refreshing with a hint of the tropics! Striped oblong melons reach 10-15 pounds. Keep in the field a few days longer than ou'd think, they are sweetest when fully ripe! Quantity: 32

**428-RFF**, *\$43.00* 

### **MELON (WATERMELON)**

**Sugar Baby:** Fantastic small, 8-10 pound fruits. Almost black in color, ripe fruits have red flesh with

tough rinds that resist cracking.

Quantity: 32 **429-RFF**, *\$43.00* 

ONION (Sweet YELLOW) Ailsa Craig: Famous early season sweet onions can grow to enormous size. Sweet and tender, raw or cooked. Quantity: 128 430-RFF, \$39.00

**ONION (RED) Cabernet:** Deep red bulbs are medium sized. 4-6 month storage. Quantity: 128 **432-RFF**, \$39.00

ONION (YELLOW) Patterson: The longest storage onion you can find! Medium sized bulbs with golden yellow skin. Quantity: 128 431-RFF, \$39.00

**PEPPER, HOT Early Jalapeno:** Small plants set fruit earlier than any other jalapeno Fruits are small, deep green, and very spicy. Quantity: 32 **438-RFF**, \$43.00

**PEPPER, HOT Habanero:** Delicate wrinkled fruits ripen from dark green to salmon orange. Use fresh or dried. Quantity: 32 **441-RFF,** *\$43.00* 

**PEPPER, HOT Long Red Narrow Cayenne:** Our favorite heirloom cayenne for drying, canning, and preserving. Nice bold spice with medium heat. Quantity: 32 **434-RFF,** \$43.00

PEPPER, HOT Anaheim- Highlander: Early Anaheim. Semi-flattend, 7"x2" fruits. Large, tall plants. Quantity: 32
433-RFF, \$49.00

**PEPPER, HOT Carolina Reaper:** Possibly the hottest pepper ever! Fiery red fruits with a little scythe shaped tail. Quantity: 32 **435-RFF,** *\$49.00* 

**PEPPER, HOT Chocolate Habanero:** Chocolate-brown, lantern shaped, crunchy 2" fruits. Perfect for stir frys, salsas, and sauces. Quantity: 32 **436-RFF**, *\$49.00* 

**PEPPER, HOT Fresno:** The fresno is slightly hotter than a jalapeno, with thinner walls and a fruitier taste. Quantity: 32 **439-RFF,** \$49.00

**PEPPER, HOT Ghost/ Bhut Jolokia:** Legendary variety, one of the hottest, with readings in the 1,000,000 Scoville units! Thin-walled, wrinkled, pointed fruits are 2-3". Quantity: 32 **437-RFF**, \$49.00

**PEPPER, HOT Hungarian Hot Wax:** The sweet, hot flavors of these 8" long yellow peppers is enjoyed pickled or fresh! Quantity: 32 **442-RFF,** \$43.00

**PEPPER, HOT Poblano/Ancho:** Moderately hot, medium sized, dark green peppers used for stuffed chile, in soups, and fresh or dried in many traditional Mexican dishes. Quantity: 32 **440-RFF,** \$49.00

**PEPPER, SWEET Ace:** Green bell peppers are the earliest to ripen to red. Performs well in cool climates. Quantity: 32 **444-RFF**, \$43.00

**PEPPER, SWEET Gilboa (Orange Bell):** Thick, juicy walls and fruity sweet flavor. Medium-large, very blocky fruits are easy to grow. Strong compact plants set plentiful fruit. Quantity: 32 **446-RFF,** *\$49.00* 

**PEPPER, SWEET Golden Star (Yellow Bell):** Lime green fruits ripen first to yellow, then to a sunny orange. Slightly elongated bell shape. Quantity: 32 **445-RFF**, \$49.00

**PEPPER, SWEET Aura:** Golden yellow, 4"-5" tapered fruits with thick walls are sweet and fruity! Quantity: 32 **448-RFF,** \$49.00

**PEPPER, SWEET Chocolate Cake:** Rich, reddish brown, thick walled fruits are sweet and flavorful! Quite prolific! Quantity: 32

**451-RFF**, \$43.00

**PEPPER, SWEET Glow:** Bright orange, tapered fruits are 4"-5" long with thick walls and are sweet and fruity! Quantity: 32 **449-RFF,** \$49.00

### **PEPPER, SWEET Carmen Italian Long Sweet:**

Exceptional sweet full flavor, bullhorn-shaped frying peppers. One of the earliest sweet varieties. Quantity: 32

**447-RFF**, \$49.00

PEPPER, SWEET Lunchbox Mix: A favorite at market these plants produce a bounty of small snacking sized, deliciously sweet and crunchy peppers. Orange, Red, and Yellow plants in the mix. Quantity: 32
450-RFF, \$49.00

**PEPPER, SWEET/HOT Padron:** Small green peppers that originated in Spain. Most are mild but every now and then you get a hot one! Great sauteed with olive oil and salt! Also good for pickling. Heat increases if you harvest them red. Quantity: 32 **443-RFF,** \$43.00

**PUMPKIN Baby Pam:** Early ripening hybrid pie pumpkins with 3-4lb fruit and nice thick walled flesh. Quantity: 32 **452-RFF**, \$43.00

**PUMPKIN Howden:** Howden set the standard for large jack-o'-lantern pumpkins. Big, well structured, with hard ridged skin. Quantity: 32

**453-RFF**, \$43.00

**SQUASH, SUMMER Gentry:** Crookneck variety with fruits that have butter-yellow smooth skin, mild sweet delicious flavor, and impressive production even under stress. Quantity: 32 **455-RFF,** \$43.00

**SQUASH, WINTER Delicata:** Extremely sweet yellow and green striped fruits ripen readily in short seasons. Quantity: 32 **456-RFF**, *\$43.00* 

**SQUASH, WINTER Table Queen Acorn:** Prolific green acorn type will keep any root cellar full. Sweet yellow fleshed squash can last up to six months after harvest. Quantity: 32 **457-RFF**, \$43.00

**SQUASH, WINTER Waltham Butternut:** A Massachusetts native with small seed cavities, long thick necks, and reliable size, the most widely grown butternut. Quantity: 32 **458-RFF**, \$43.00

**SQUASH, ZUCCHINI Jackpot:** Produces high yields of long, medium-dark green, lightly speckled fruits. Continuous production of firm 6\_" fruits that are tender, mild and sweet. Quantity: 32 **454-RFF**, \$43.00

**TOMATILLO Purple Blush/Purple:** Small to medium-round fruits are sweet and fruity according to some! Store fresh for several eeks, handy for fresh salsa. Portions of the fruits lush with purple where exposed to the sun. Quantity: 32

**460-RFF**, *\$43.00* 

**TOMATILLO Verde/Green:** Early ripening green fruit, sweet, nutty, tangy, for use in salsa, stir-fry and Mexican cooking Quantity: 32 **459-RFF**, *\$43.00* 

**TOMATO, CHERRY Black Cherry:** Quarter sized blackish-pink fruits. Dynamic heirloom flavor with all the vigor of their hybrid breeding. Quantity: 32 **462-RFF**, \$43.00

TOMATO, CHERRY Indigo Cherry Drops: Beautiful heirloom appearance and hybrid disease resistance— Improved flavor and size from its predecesor Indigo Ruby. New indeterminate growth makes for more vigorous production! Quantity: 32

**465-RFF**, *\$43.00* 

**TOMATO, CHERRY Supersweet 100:** Huge yields of multiple branched clusters. Our best red round bite-sized cherry. Great taste, late season production, and late blight resistance. Quantity: 32 **472-RFF**, \$43.00

**TOMATO, CHERRY Indigo Apple:** 2-4 oz sweet fruits form on large, prolific clusters. Fruits ripen to near black on the top where exposed to the sun and stay a deep red towards the bottom. Crack resistant. Quantity: 32 **464-RFF,** \$43.00

**TOMATO, CHERRY Napa Rose:** Very productive unique pink cherry! Sweet and rich! Quantity: 32 **467-RFF**, \$43.00

**TOMATO, CHERRY Pink Princess Gene Pool:** Sweet and pink! Large and early for a cherry tomato, fruits start maturing in August. Quantity: 32 **468-RFF**, \$43.00

**TOMATO, CHERRY Sunrise Bumble Bee:** What a beauty! This round cherry is yellow with red stripes and a marbled pink interior. Plus, it has a delicious sweet and tangy flavor! 20-25 gm fruits. Indeterminate. Quantity: 32

**470-RFF**, *\$49.00* 

**TOMATO, CHERRY S Red Pearl:** Tender, nearly seedless tomatoes with intermediate late blight resistance. The sizable fruits store well on the vine. Quantity: 32 **469-RFF,** \$43.00

**TOMATO, CHERRY S R Honeydrop:** Winner of our 2011 taste test. Bred by our friends at Crabapple Farm in Chesterfield. Has the outstanding taste of Sungold without any splitting and a beautiful yellow pink coloring. Quantity: 32 **463-RFF,** \$43.00

**TOMATO, CHERRY S R Matt's Wild:** Small currant sized smooth red tomatoes, with superior sweet flavor. Great for salsa and fresh eating. Quantity: 32

**466-RFF**, \$43.00

**TOMATO, CHERRY S R Sungold:** Most popular of all cherries. Intense fruity flavor. mazing flavor, gold color. Best fresh from the garden! Quantity: 32 **471-RFF,** \$49.00

**TOMATO, HEIRLOOM Cherokee Purple:** Taste is compared in quality and depth of flavor to the Brandywine. Small plants produce dusky purple fruit with green shoulders and bright red flesh. Quantity: 32

**476-RFF**, \$43.00

**TOMATO, HEIRLOOM Paul Robeson:** Distinctive full smokey flavor blackish brown skins, deep red flesh, and no thick core to contend with. Quantity: 32

**482-RFF**, \$43.00

**TOMATO, HEIRLOOM Dark Galaxy:** 1-3 oz fruits, mid-season. Stunning coloring on this dark, rust colored tomato that ripend to black with spots of color creating a galaxy! Quite prolific. Deep, rich flavor. Quantity: 32 **477-RFF,** \$43.00

**TOMATO, HEIRLOOM Juanne De Flamme:** French heirloom with vibrant flame colored, 2 oz round tomatoes. Juciy, complex, slightly acidic flavor.

Quantity: 32 **479-RFF**, *\$43.00* 

**TOMATO, HEIRLOOM Kellog's Breakfast:** 10-16 ounce fruits are meaty and golden orange with sweet, fruity flavor! 85 days indeterminate.

Quantity: 32 **480-RFF**, *\$43.00* 

**TOMATO, HEIRLOOM Lovely Lush:** 4-6oz fruits with a lovely pink-rose color with green stripes that turn golden. Truly stunning! Rich flavor that is fairly sweet. Good storage time. Quantity: 32 **481-RFF**, *\$43.00* 

### **TOMATO, HEIRLOOM Weavers Black Brandywine:**

This beauty combines the sweet tart flavor of the Pink Brandywine with the smokiness of a "black" tomato. A must try! Quantity: 32 **485-RFF**, \$43.00

TOMATO, HEIRLOOM Weisnichts Ukrainian: A

first prize winning tomato for us! A large pink heirloom with exceptional flavor. Medium to large, 8-18 oz. fruits. Quantity: 32

**486-RFF**, *\$43.00* 

**TOMATO, HEIRLOOM Green Zebra:** A mediumsized, vibrant yellow and green-striped salad tomato. Ideal for slicing fresh into salads. Quantity: 32

**478-RFF**, \$43.00

**TOMATO, HEIRLOOM PASTE Amish Paste:** Popular heirloom with big fat red horn fruits, few seeds and less juice make them perfect for canning. No need to stake them. Quantity: 32

**473-RFF**, \$43.00

**TOMATO, HEIRLOOM PASTE Federle:** Productive plants with medium red horn fruits, taste is exceptional and flesh is perfect for salsa. Quantity: 32

**474-RFF**, \$43.00

**TOMATO, HEIRLOOM S Striped German:** A showoff in the garden and on the table. huge yellow fruits with red stripes in and out, very sweet flavor. Quantity: 32 **484-RFF,** \$43.00

**TOMATO, HEIRLOOM S R Brandywine:** Large reddish pink fruits on healthy potato-like vines. Extraordinarily popular for slicing, sandwiches, and fresh eating. Unbeatable flavor! Quantity: 32 **475-RFF**, \$43.00

### TOMATO, HEIRLOOM TYPE Pink Berkeley Tie Dye:

Dark wine colored tomato with sweet, rich flavor. Compact plants and medium sized fruit. Has outtasted many dark tomato favorites including Cherokee Purple and Purple Russian! Quantity: 32 483-RFF, \$43.00

**TOMATO, HYBRID Defiant:** Some of the best late blight resistance in our fields. A medium sized slicer retains great flavor long into the season. Quantity: 32

**489-RFF**, \$49.00

**TOMATO, HYBRID Iron Lady:** Strongest late blight resistance in its class. Plants produce tasty, standard-sized slicing fruits. Quantity: 32 **490-RFF**, *\$49.00* 

**TOMATO, HYBRID New Girl:** Medium-sized early ripening red slicer, with excellent disease resistance. Quantity: 32 **492-RFF,** \$43.00

**TOMATO, HYBRID Big Beef:** Another AAS winner! Classic full flavored tomato. Large 10-12 oz fruits are early for their size. Great disease resistance. Quantity: 32

**487-RFF**, \$43.00

**TOMATO, HYBRID Chef's Choice Orange:** Winner of an AAS award this past year, this is an impressive, bright orange, indeterminate orange beefsteak. Low in acid with delicious flavor and refined texture! Quantity: 32 **488-RFF,** \$43.00

**TOMATO, HYBRID Jet Star:** Produces prolific yields of crack free, clean fruit. Low acid tomato with strong indeterminate plant growth. Must add lemon juice when canning! Quantity: 32 **491-RFF**, \$43.00

**TOMATO, HYBRID PASTE San Marzano:** The classic high yielding paste tomato, our variety has blunt tips to aid in harvesting, and low seed content to make canning quick and easy. Quantity: 32 **494-RFF**, \$43.00

**TOMATO, HYBRID PASTE Plum Regal:** A productive, disease resistant plum type for the weaker Cour di Bue. Expect high yields of flavorful fruit for canning! Quantity: 32 **493-RFF,** \$49.00

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# **Tubers**

Please see detailed information in Cover Letter for instructions on ordering tubers and tuber selection