



Thank you for being a part of the 2023 NOFA Tri-State Bulk Order!

***The NOFA Tri-State Bulk Order will be accepting orders from January 4<sup>th</sup> to February 3<sup>rd</sup>.***

Your Bulk Order team is thrilled to present the 2023 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.

Some updates this year:

- **Sites and coordinators** - We are so happy to welcome Muddy Roots Farm and Kirsten Marra as our new CT pickup site and coordinator! Long-time site coordinator Deb Legge and site High Hill Orchard have stepped down and are passing the torch. We are so grateful to both for their years of dedication and service. Orders placed for Meriden pickup this year will go to Muddy Roots Farm, a quick drive down 91 in Wallingford. The Belchertown site will continue operation at its long-standing site, NESFI, with Gregory Mori as site coordinator. John Duke and Geoff Kinder will be taking over coordination in West Wareham at Progressive. Luke Pryjma has also stepped down at Dalton and we will announce a new site coordinator in February - Holiday Brook Farm will still be our site there. We are so grateful to all previous, returning and new coordinators and sites! You are the core of this community.
- **Online ordering** - Our new online store got a very welcoming response and we're glad to be using it again this year: [www.nofabulkorder.org](http://www.nofabulkorder.org). 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 2/3/23 (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. Tubers, onions and exotics will be ordered through Fedco/Moose Tubers' online ordering system and are not in the catalog - please find the Tubers section below for more information.
- **Membership discount / Pay it Forward** - In an effort to increase access to nutritious food, NOFA/Mass has introduced sliding-scale membership so our member discount is accessible to all. 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](mailto:bulkorder@nofamass.org).
- **Seedlings** - Thank you to everyone who joined in our trail run of seedling distribution last year! We found that it was not cost- or time-effective to do that way, but were happy to uncover a big demand for local organic seedlings. And so, we are compiling a [list of tri-state NOFA member organic farms' seedling sales](#) this season to facilitate these connections within our community. This list will be updated throughout the winter and early spring as farms submit their info - if you don't see a farm near you, keep checking back, and feel free to send this to organic growers you'd like to see offer seedlings!
- **Tuber Sale** - We are continuing with the ordering process established last year for tubers, onion sets, and exotics which allows us to offer a greater selection than ever before, and less likelihood of running out. Please see details in the **Tuber Sales** section starting on page 5.

As with the past two years, 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 2023 Bulk Order will be as safe and responsible as possible.

For more information on individual 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](mailto:bulkorder@nofamass.org)) by Monday, January 30<sup>th</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 Restricted 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, Barrett, Lili, Ruben, Christine, Ulum, Jocelyn, Laura, and Richard  
[bulkorder@nofamass.org](mailto:bulkorder@nofamass.org)

#### **2023 Bulk Order Pickup Sites and Coordinators:**

- **BELCHERTOWN, MA:** NESFI, 275 Jackson St, Belchertown, MA 01007
  - Coordinator: Gregory Mori, 413-323-4531, gomori@smallfarm.org
- **CHARLESTOWN, RI:** Earth Care Farm, 89 Country Drive, Charlestown, RI 02813
  - Coordinator: Jayne Senecal, 401-364-9930, jayne@earthcarefarm.com
- **DALTON, MA:** Holiday Brook Farm, 100 Holiday Cottage Road, Dalton, MA 01226
  - Coordinator: TBD. Dalton customers will receive contact info in February.
- **MERIDEN, CT:** Muddy Roots Farm, 175 Northford Road, Wallingford, CT 06492
  - Coordinator: Kirsten Marra, 203-213-6001, muddyrootsfarm@gmail.com
- **OAKHAM, MA:** Dismas Family Farm, 687 Lincoln Rd, Oakham, MA 01068
  - Coordinator: Jen Burt, 508-882-0000, jenekb@gmail.com
- **SEEKONK, MA:** Early Dawn Farm, 521 Prospect St, Seekonk, MA 02771
  - Coordinator: Matt & Tammy Goudreau, 508-642-2453, chickenfarm521@hotmail.com
- **SHERBORN, MA:** Silverwood Organic Farm, 195 Western Ave, Sherborn, MA 01770 in March & Hopestill Farm, 117 Mill Street, Sherborn, MA 01770 in April
  - Coordinator: Richard Robinson, 508-653-5421, rrobinson@nasw.org
- **SPRINGFIELD, MA:** Tapley Gardens, 221 Bay Street, Springfield, MA 01109
  - Coordinator: Valencia Andrews, 413-657-2068, info@doulavalencia.com & Anna Gilbert-Muhammad, 413-222-749, anna@nofamass.org
- **WEST WAREHAM, MA:** Progressive Grower, 81 Charlotte Furnace Road, West Wareham, MA 02576

- Coordinator: John Duke, 508-865-0531, [duke.john@verizon.net](mailto:duke.john@verizon.net) & Geoff Kinder, 774-305-5189, [geoffkinder@hotmail.com](mailto:geoffkinder@hotmail.com)

**Pickup Dates:**

**3/11/23** - Potting soil, tools, amendments, seed, and other items

**4/15/23** - Tubers, Onions, backordered items

**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](http://www.earthcarefarm.com)
- NCO – North Country Organics, VT: mineral amendments & fertilizers. [www.norganics.com](http://www.norganics.com)
- OGS – Organic Growers Supply & Moose Tubers, ME: mineral amendments, cover crop seeds, farm & garden supplies, seed potatoes & alliums. [www.fedcoseeds.com](http://www.fedcoseeds.com)
- PGS – Progressive Grower, MA: farm & garden supplies, cover crop seed. [www.progressivegrower.com](http://www.progressivegrower.com)
- AEA - Advancing Eco Agriculture, OH: liquid fertilizers and biostimulants. [www.advancingecoag.com](http://www.advancingecoag.com)
- VCC – Vermont Compost Company, VT: compost & potting soil. [www.vermontcompost.com](http://www.vermontcompost.com)
- WR – Wiggle Room LLC, CT: worm castings and compost tea brewer. [www.wiggleroom.org](http://www.wiggleroom.org)
- HBF - Holiday Brook Farm, MA: compost and potting soil. [www.holidaybrookfarm.com](http://www.holidaybrookfarm.com)
- SAP - SymbioticAg Products, IN: biostimulants. <http://symbioticag.com>

## Payment & Submitting Orders:

Orders can be easily placed and paid for online: [www.nofabulkorder.org](http://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 3<sup>rd</sup>. No late orders will be accepted.*

Orders & Payment:

NOFA/Mass

ATTN: Bulk Order

PO Box 60043

Florence, MA 01062

Compost slings will be drop-shipped to an address and time of your choosing, not to your pickup site. Please make arrangements with [bulkorder@nofamass.org](mailto:bulkorder@nofamass.org) or by phone at 413-561-0182. 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 early in the week before 3/22/23 and 4/15/23, weather permitting. (In 2023 we are piloting a new delivery system in which everything will come to Progressive first and then be delivered from there, which means site coordinators will have a much more reliable delivery window, but won't know exactly which day of the week the truck will arrive until the week prior.) To lend a hand, check "I can volunteer" on your order form, and your site coordinator will be in touch about volunteer shifts if needed. **Please check with your Site Coordinator before arriving about Covid protocols and honor their requests.** 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 whose SKU number ends in "-T", regardless of your state of residence. 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 [www.mass.gov/dor](http://www.mass.gov/dor)). 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](mailto: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. Depending on the supplier, you may be responsible for offloading pallets.

### **Refunds:**

If any product problems arise, contact the Bulk Order team immediately ([bulkorder@nofamass.org](mailto:bulkorder@nofamass.org)). 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 ([baystateorganic@earthlink.net](mailto:baystateorganic@earthlink.net), 774-872-5544) with any questions.

**Questions?** Please contact the Bulk Order Team at [bulkorder@nofamass.org](mailto:bulkorder@nofamass.org) or by phone at 413-561-0182.

## Tuber Sales:

In 2023 we are using the ordering system created by Fedco/Moose Tubers last year, which maintains the NOFA Bulk Order discount while offering an increased selection of tubers, onions, sweet potato slips, and exotics, including ginger and turmeric seed, and importantly, much less chance of running out. 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](http://www.fedcoseeds.com/moose). If you are unable to place orders online, please call the Bulk Order Coordinator at 413-561-0182 9-5 on weekdays for help. As with all NOFA Bulk Order purchases, your purchase directly through Fedco will include all shipping and delivery costs. Orders placed this way receive a 5% discount in addition to free shipping, which in most cases works out to well over 10%. 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 15, 2023
- **Sweet potato slips** — Ship directly to you from May 15-25

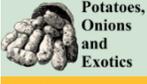
## Detailed Instructions for ordering tubers, onions, and exotics in the 2023 Bulk Order:

In order to place your order, please visit [www.fedcoseeds.com/moose](http://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.



**Potatoes,  
Onions  
and  
Exotics**

Online Catalog

Potatoes, Onions and Exotics  5 [Log Out](#) 



Home Fedco Seeds **Potatoes, Onions and Exotics** Organic Growers Supply Fedco Trees Fedco Bulbs

You are viewing your **Potatoes, Onions and Exotics** cart.  
Please check your order and update it as needed.  
Click "Checkout" when you're ready to proceed.  
The final order deadline is May 6, 2022.

[< Continue Shopping](#)
[Update Cart](#)
[Checkout >](#)

	Quantity	Description	Price each	Weight total	Price Total
1)	7085 <input type="text" value="1"/>	<a href="#">Fantastic Fingerlings</a> A: 6.0# <span style="float: right;"><i>Potato Collections</i></span>	\$26.00	6#	\$26.00
2)	7628 <input type="text" value="4"/>	<a href="#">Pinto</a> B: 2.0# <span style="float: right;"><i>Fingerling Potatoes</i></span>	\$9.50	8#	\$38.00
Subtotal(s)				14.0#	\$64.00

Part of a Group

Click 'Update Cart' to see your new total.

You have opted to have your order shipped.  
**Ginger and turmeric** will be shipped in March. **Onion plants** and **sweet potato slips** are drop-shipped directly to you from our growers according to your planting zone/region (you may request a specific shipping week by leaving a comment when you submit your order). **Otherwise, we begin shipping Potatoes, Onions and Exotics orders in early April, finishing by early May.** We cannot ship before that; we regret that we cannot honor any requests to do so.

- Ship by FedEx or USPS (our choice)
- Curbside Pickup
- Ship to Depot
- Ship to NOFA Tri-State Bulk Order Depot

Contact NOFA at [bulkorder@nofamass.org](mailto:bulkorder@nofamass.org) with any questions regarding your Site Code.

Site Code:

Read the [Potatoes, Onions and Exotics substitution policy](#).

**Substitutions**

Will you accept substitutions?

Yes  No **Please select one.**

Will you accept conventional seed of the same variety for organic seed?

Yes  No **Please select one.**

You will be able to review your order before it is finalized and your card is charged.  
We accept Visa, MasterCard, American Express and Discover cards, and Fedco gift certificates.

[< Continue Shopping](#)
[Update Cart](#)
[Checkout >](#)

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 not 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.



**Potatoes,  
Onions  
and  
Exotics**

Online Catalog

Potatoes, Onions and Exotics 3 [Log Out](#)

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[Potatoes, Onions and Exotics](#)

[Organic Growers Supply](#)

[Fedco Trees](#)

[Fedco Bulbs](#)

Please review and edit your **Potatoes, Onions and Exotics** order. When you're ready to send it to us, click "Place Order" below. We will receive your order and charge your card immediately. **No changes to orders after they're placed, please.**

Potatoes, Onions and Exotics discount deadline is .  
The final order deadline is May 6, 2022.

[« Edit Order](#)   [« Edit Address & Billing](#)   [Place Order »](#)

Checkout Progress

Step 1:  
Shipping and Billing

Step 2:  
Review Order

Step 3:  
Order Placed

**Mail shipping address** [Edit](#)

Pickup Location Details

**NOFA Depot Info**  
depot name: MA - Belchertown  
**Your order will be shipped to:**  
site coordinator: Ruben Parrilla  
NESFI  
275 Jackson St  
Belchertown, MA 01007

**Order email address:**

**Pay with card:** [Edit](#)

	Quantity	1	Description	Price each	Weight total	Price Total
1)	<b>7085</b>	1	<a href="#">Fantastic Fingerlings</a> A: 6.0# <span style="float: right; font-size: 0.8em;">Potato Collections</span>	\$26.00	6#	\$26.00
2)	<b>7628</b>	4	<a href="#">Pinto</a> B: 2.0# <span style="float: right; font-size: 0.8em;">Fingerling Potatoes</span>	\$9.50	8#	\$38.00

You have opted to have your order shipped to the Belchertown, MA NOFA depot.  
**Onion plants and sweet potato slips** are drop-shipped directly to you from our growers according to your planting zone/region (you may request a specific shipping week by leaving a comment when you submit your order).

Easy Ways to Support our Allies

- Donate your refund to [Scatterseed?](#) (  )
- Make a donation to [Scatterseed?](#)
  - No thanks.
  - Yes! Round up to nearest \$
  - Yes! Add \$  to my order

Order comments (200 character limit, use only letters, numbers and basic punctuation):

We will not contact you about the status of the individual items on your order. Please check our [out-of-stock, backorder and product update page](#) for the most recent information.  
Thank you.

Subtotal(s)      14.0#      \$64.00

**Bulk Order Discount**      **NOFA discount**      -\$3.20

Adjusted Total      = \$60.80

Free shipping to NOFA depot      + \$0.00

Sales Tax      + \$0.00

Additional Scatterseed Donation:      + \$0.00

**Grand Total**      = **\$60.80**

Gift Cert.      - \$0.00

**Balance Due**      = **\$60.80**  
(amount you will be charged)

[« Edit Order](#)   [« Edit Address & Billing](#)   [Place Order »](#)

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

<b>Site Name</b>	<b>Site Address</b>	<b>Site Code (use this for discount!)</b>
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
Oakham	Dismas Family Farm 687 Lincoln Road Oakham, MA 01067	NOFAOA
Seekonk	Early Dawn Farm 521 Prospect St Seekonk, MA 02771	NOFASE
Sherborn	Silverwood Organic Farm 195 Western Avenue Sherborn, MA 01770 (in March)  Hopestill Farm 117 Mill Street Sherborn, MA 01770 (in April)	NOFASH
Springfield	Tapley Gardens 221 Bay Street Springfield, MA 01109	NOFABESP
Wallingford	Muddy Roots Farm 175 Northford Road Wallingford, CT 06492	NOFAME
West Wareham	Progressive Grower 81 Charlotte Furnace Road West Wareham, MA 02576	NOFAWW

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## 2023 Bulk Order Catalog

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## Potting Soil & Compost

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

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**Black Gold Compost:** Holiday Brook Farm's compost begins on the farm by mixing leaves and clippings with bedded manure, roughly half and half by weight. The compost is arranged in windrows to support aerobic respiration by being turned using a bucket loader every few weeks in the beginning, and monthly towards the end. There is no grinding of material. It is finished through a 1/2" screen six to nine months later. Compost is weed- and pathogen-free and ready for immediate application. An up-to-date soil sample can be provided upon request: hbfgardens@gmail.com. Use restriction: not approved for organic use  
**HBF-701, 1 cu. Ft \$16.90 / 2 yd Sling \$455**

**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 moisture-retention 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.

**OGS-8380-A, \$24**

**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.

**VCC-143, 6 qt \$8 / 20 qt \$11 / Sling \$475**

**Compost - Sling:** 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. Please contact David Durstewitz, the Bulk Order Coordinator, at [bulkorder@nofamass.org](mailto:bulkorder@nofamass.org) to order slings and make arrangements for delivery.  
**VCC-143, \$475**

**Compost Plus:** 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.  
**VCC-144, 20 qt \$17.5 / 60 qt \$45 / Sling \$755**

**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.  
**WR-381, 7 gal \$1192.5 / 15 gal \$1567.5 / 30 gal \$1380**

**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.  
**VCC-378, 6 qt \$8.5 / 20 qt \$16 / 60 qt \$40.5 / sling \$654**

**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.  
**VCC-379, 6 qt \$8.5 / 20 qt \$16 / 60 qt \$40.5 / Sling \$654**

**Good-4 (3# box):** GOOD-4 PLANTS has the ideal combination of soluble seaweed, humic, and fulvic extracts to rejuvenate struggling plants and maintain vitality in healthy ones. GOOD-4 ensures better seed germination, low transplant mortality, quick recovery from transplant shock, faster and more dense root development, and accelerated growth. GOOD-4 is a great amendment for compost tea, flowers, fruit, greenhouses, transplants, trees, turf, and vegetables.

**NCO-026-3, \$46.5**

**Jolly Roger:** 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.

**VCC-377, 20 qt \$17.5 / 60 qt \$45 / Sling \$755**

**Jolly Roger Slings:** 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.

Please contact David Durstewitz, the Bulk Order Coordinator, at [bulkorder@nofamass.org](mailto:bulkorder@nofamass.org) to order slings and make arrangements for delivery.

**VCC-377, \$755**

**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.

**VCC-380, 6 qt \$8 / 20 qt \$13 / 40 qt \$23.5 / Sling \$644**

**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 dry-out 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.

**OGS-8392-A, \$30.5**

**Seed Starter Compost Blend:** A blend of Holiday Brook Farm's 'Black Gold' compost, sphagnum peat moss, perlite, and vermiculite. It is screened to 1/2", making it easy to use in 98 cell trays or similar propagation trays. This light-weight soil blend allows for proper drainage while retaining moisture and nutrients, speeding up the germination process and encouraging a strong root system for vigorous, healthy seedlings. Holiday Brook Farm uses this blend as their base mix and adds nutrients as needed. It typically takes 6-8 weeks before plants start showing signs of needing amendments added to the soil blend. At this point they add dehydrated chicken manure (check out Kreher Family Farms for an OMRI listed source) for slow release nitrogen. Other trace minerals can be added at your discretion, but they've found that the compost has enough nutrients to keep plants growing strong until they can be transplanted to their permanent location. Use restriction: not approved for organic use

**HBF-700, 1 cu. Ft \$23.5 / 2 yd Sling \$715**

**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.

**WR-146, 4# \$25 / 15# \$52.5 / 40# \$120**

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## Inoculants

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### **Alfalfa And Clover Inoculant treats 50#:**

Verdesian N-Dure Premium Non-Sterile Peat inoculant for Alfalfa/True Clover Combination

**OGS-8158-A, \$7**

**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.

BioCoat 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.

BioCoat 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.

**AEA-022, 1# \$57 / 5# \$249**

### **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.

Row crops: apply in seed row at a rate of 1 lb/acre

Root dip: dilution 1 lb/20 gal water

Potted plants: 1 gram/6" pot into potting soil mix. Use approximately 10g per cubic yard of soil mix

**AEA-025, \$97.5**

**Good-4 (3# box):** GOOD-4 PLANTS has the ideal combination of soluble seaweed, humic, and fulvic extracts to rejuvenate struggling plants and maintain vitality in healthy ones. GOOD-4 ensures better seed germination, low transplant mortality, quick recovery from transplant shock, faster and more dense root development, and accelerated growth. GOOD-4 is a great amendment for compost tea, flowers, fruit, greenhouses, transplants, trees, turf, and vegetables.

**NCO-026-3, \$46.5**

**Myco Seed Treatment:** An OMRI-listed 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.

**OGS-8173, 1 oz \$6 / 1 lb \$66.5**

**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.

**OGS-8176, 1# \$22 / 40# \$502**

**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 and bell beans.

**OGS-8161-A, \$4**

**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.

Plant 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

**AEA-026, 1 acre \$22.5 / 10 acre \$175**

**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.

Plant 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 75 g/acre  
**AEA-027-1, \$43**

**Symbiosis Agx:** Symbiotic (www.symbioticag.com) is an OMRI Listed Bio - Stimulant that Restores and Revitalizes your soil to enhance the nutrient uptake in the foods you produce. Improve your plants metabolism and overall yields while lowering your demands on your irrigation systems and lowering your soil admendment costs this season by using this product. Symbiotic awakens the Symbiosis process on your farms by incorporating this Regenerative Agriculture product into your practice. This is where Biology Supercedes Chemistry.

**SAP-500, 1qt \$49**

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## Cover Crops

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**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 well-drained 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.  
**OGS-8001, .5# \$9 / 2# \$28 / 10# \$98.5**

**Alice White Clover (not org):** *Trifolium repens* Perennial legume. Up to 12". Vigorous large-leaved 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.

Baystate Organic Certification Note: Organic use of conventional seed requires a search for an organic version first.

**OGS-8037**, .5# \$9 / 2# \$27 / 10# \$96 / 25# \$214

**Annual Ryegrass (OG):** Organic certified annual ryegrass, a popular late-season cover crop. Inexpensive and easily established, ryegrass can be seeded fairly late into the fall and still take. It overwinters/does not winter kill. Supplied by Progressive Grower.

**PG-111**, 50# \$141

**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 when we can and conventional seed when we must. Seed at 40–80#/acre, 2#/1000 sq ft when soil is thoroughly warmed.

**OGS-8013-C**, \$55.5

**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. Certified organic seed supplied by Fedco.

**OGS-8019**, 2# \$8.5 / 10# \$34 / 50# \$96

**Buckwheat Seed (org):** Cool season or summer quick soil cover crop programs. Not for grain or attracting pollinators. Certified organic seed provided by Progressive Grower.

**PG-112**, 5# \$13.5 / 10# \$27 / 50# \$133.5

**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.

**OGS-8085, 2# \$5.5 / 10# \$21 / 50# \$69**

**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 disease-resistant 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.

Baystate Organic Certification Note: Organic use of conventional seed requires a search for an organic version first.

**OGS-8025, .5# \$5 / 2# \$12.5 / 10# \$54.5**

### **Deep-Rooted Daikon Radish**

**(conventional):** 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.

Baystate Organic Certification Note: Organic use of conventional seed requires a search for an organic version first.

**OGS-8105**, .5# \$5 / 2# \$13 / 10# \$57.5 / 50# \$189

### **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.

Baystate Organic Certification Note: Organic use of conventional seed requires a search for an organic version first.

**OGS-8040**, .5# \$8.5 / 2# \$26

### **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.

**OGS-8076**, 2# \$6.5 / 10# \$24.5 / 48# \$66

### **Field Peas (OG):** A multi-use seed

producing tall, viney peas with large leaves that can be planted as a stand alone crop for forage, grain, wildlife, cover cropping, or soil building. Also provides superior forage yields when combined with oats or triticale for chopping. 1/4 acres requires 20 lbs, 1/2 acre requires 40 lbs, 1 acre requires 80 lbs. Organic certified. Supplied by Progressive Grower.

**PG-129**, 5# \$9 / 10# \$18 / 50# \$86.5

**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.  
**OGS-8139, 2# \$18 / 10# \$74 / 50# \$218.5**

**Harmonie Red Clover 55# (org):** Red clover provides a good source of nitrogen while building soil, suppressing weeds, attracting beneficials, and as forage. Seed rate 4 to 20 lbs per acre. Organic certified seed supplied by Progressive Grower.  
**PG-143-55, \$370.5**

**Ladino Clover OG:** *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. NEW!

As 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 corn, 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."

As forage/pasture: 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 chop.

**OGS-8044, .5# \$12.5 / 2# \$42.5 / 10# \$153.5 / 50# \$548**

**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 tall-growing 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, ½# per 1000 sq ft.

**OGS-8062-A, \$5**

**Medium Red Clover:** *Trifolium pratense*  
Short-lived 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. Supplied by Fedco.  
**OGS-8034, 2# \$21 / 10# \$96 / 50# \$298.5**

**NOFA Cover Crop Cocktail:** Complex cover crop blends are trending on the organic ag scene; so what's all the buzz about? Just as a well-mixed cocktail balances a variety of flavor profiles to create something that is greater than the sum of its parts, planting a well-designed blend of multiple cover crops can accomplish more than planting a single species. With annuals and biennials, grasses and legumes and broadleaves, and roots of all shapes and sizes, this blend mimics natural diversity and encourages a flourishing and balanced microbial population. Another advantage of diverse blends is that if your field conditions are not conducive to one or two species in the blend, the others will help take up the slack. Best for long rotations: plant in August or September and allow to grow to midsummer of next season. Contains field peas, winter rye, winter wheat, barley, oats, medium red clover, daikon radish, and hairy vetch. Seed at 50–75#/acre or 1–2#/1000 sq ft.

Baystate Organic Certification Note: Organic use of conventional seed requires a search for an organic version first.

**OGS-8060, 2# \$11.5 / 50# \$158**

**Oats (org):** Oats have been used as a cover crop for decades. Their quick growth enables planting after wheat, vegetables, corn silage, etc. They grow quickly in cooler weather and are an excellent choice to fill in a rotation when a spring or fall crop is needed. 1/4 acre requires 25 lbs, 1/2 acre requires 50 lbs, 1 acre requires 100 lbs. Organic seed supplied by Progressive Grower.

**PG-134, 5# \$7 / 10# \$14 / 48# \$55.5**

**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.

**OGS-8088, 2# \$29.5 / 10# \$105 / 25# \$235.5**

**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.

**OGS-8094, 2# \$24 / 10# \$109.5 / 50# \$353**

**PVO Soil-Building Mix OG:** 71% field peas, 15% common oats and 14% hairy vetch. A superior soil-building 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.

**OGS-8103, 2# \$7.5 / 10# \$29.5 / 50# \$117**

**Rivendell White Clover (org):** Certified Organic. A very persistent, small leaf white clover. Perennial clover establishes quickly and withstands traffic and close mowing. Seed Rate: 2 to 5 lbs per acre.

**OGS-8043, .5# \$10.5 / 1# \$15 / 2# \$35 / 5# \$69**

**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

**OGS-8007-C, \$24**

**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 conditions. Less determinate than modern varieties; Henry Perkins recommends harvesting early and investing in good drying equipment. Availability may be spotty; if we can't get Red Fife we will substitute a different organic hard spring wheat. Plant at 100–125#/acre, 3–4#/1000 sq ft.

**OGS-8145, 2# \$10.5 / 10# \$44.5 / 50# \$139.5**

**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.

**OGS-8107**, .5# \$7 / 2# \$20.5 / 10# \$95

**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.

**OGS-8112**, 2# \$8 / 10# \$31 / 50# \$97.5

**Winter Rye (org):** Organic winter rye is a tall, early heading winter rye variety. It has good field results in an organic no-till roll down system. Organic certified seed supplied by Progressive Grower.

**PG-141**, 5# \$5 / 10# \$9.5 / 50# \$48.5

**Winter Wheat-Sirvinta OG:** *Triticum aestivum* Winter annual grain. Up to 5'. Extremely frost hardy. Hard red winter wheat with medium-late maturity is ready to harvest in August in Maine. Most wheat varieties available in the U.S. are bred for and adapted to the prairie-type soils of the Upper Midwest and not as well-suited to the moist forest-based soils of the Northeast. Sirvinta (named after a river in Lithuania) was brought to Maine in 1998 by Raivo Vihman from Tallinn, Estonia, where soils and climate are more like New England's. Raivo shared seed with Will Bonsall, who found Sirvinta to be his favorite winter wheat to grow and eat. If you're tired of watching your wheat come in lushly only to fall over when it gets tall, you'll love how Sirvinta's sturdy stalks stand strong—great for straw. Even in smaller spaces, your dreams of baking with homegrown wheat can come true: A customer in Saint Albans, ME, yielded 59# of wheat berries from her 10x65' plot—that's a lot of loaves! Bonsall grows in Zone 4b and says, "I like to plant between early Sept. and mid-Oct.; too late [and it] doesn't get established well before [winter]. Mine is ready to harvest in August, [though] I pay more attention to the stage of kernels (hard dough stage), and the straw being roughly half yellow. In good weather, stooks should be cured in 3–7 days; if showers threaten, I may throw a tarp over them." Seed at 100–150#/acre, 3–4#/1000 sq ft. Seed at the heavier rate for later plantings (after Sept. 15 in Maine).

As food grain: Flour has great flavor and texture for all-purpose use. Maine bakers

have found Sirvinta to have superb qualities for bread, including long-ferment loaves.

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.

**OGS-8150, 2# \$9 / 10# \$38 / 50# \$114**

**Yellow Sweet Clover (org):** 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 boosts a deep root system that is capable of capturing P and K from the subsoil and relocating them back into the upper few inches of the soil. Certified organic seed, supplied by Progressive Grower.

**PG-142, 5# \$29 / 50# \$229**

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## Fertilizers & Amendments

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### Nitrogen . . . . .

**\*\*\*NEW CannaDiesel Mix:** A high-octane well-balanced blend to fuel your grow! This fertilizer and amendment mix includes all the goodies contained in our well-loved CannaLot MegaSoil, minus the compost and potting soil. Local growers requested we offer this slimmed-down version because they plant into the ground (rather than containers) and didn't need the soil. It's also cheaper to ship without the soil. Contains customer Dan K's time-honored CannaLot blend of alfalfa, soybean, blood, crab and kelp meals, along with worm castings, zeolites, rock phosphate, Azomite, bone char, wollastonite, basalt, and MycoApply.

To maximize growth without overdoing the fertility, we recommend these proportions for each plant grown in a pot: 16½# CannaDiesel mixed with 2½ gallons of nice compost and 10 gallons of fertile potting soil. For planting in the ground, forgo the potting soil and use the same proportions CannaDiesel and compost for each 2 cu ft hole. As with anything, it's best to try it with just one plant before you switch over your entire operation to a different fertilizer. To make this mix shelf-stable, the nitrogen-rich ingredients are packed in a small bag within the main bag.

**OGS-8338, 5# \$7.5 / 50# \$77.5**

**Alfalfa Meal Org:** (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 noticeable quick boost and feeds soil organisms. Apply at 800#/acre or 2–3#/100 sq ft.

**OGS-8260, 5# \$6 / 50# \$44.5**

**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.

**OGS-8280-A, \$17**

**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 wrap 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%).

**PG-10226, \$82**

**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

Baystate Organic Certification Note: Use restriction - requires documented deficiencies in boron and zinc

**PG-116-50, \$47**

**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

**PG-117, 5# \$11.5 / 50# \$87.5**

**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.

**PG-118-50, \$49**

**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 feed 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.

**PG-127-50, \$42.5**

**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.

**OGS-8295, 5# \$15 / 50# \$112.5**

**Krehers 5-4-3 Sunrise 50#:** 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.

**PG-3569, \$22**

**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.

**PG-4285, \$45.5**

**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

Pro-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 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.

**NCO-028-50, \$46.5**

**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:

Natural 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.

Baystate Organic Certification Note: Use restriction - This product contains highly soluble nitrogen and must be applied in a manner that does not contribute to the contamination of crops, soil or water. Its use must be part of an organic system plan that maintains or improves the natural resources of the operation, including soil and water quality, and comply with crop nutrient and soil fertility requirements.

**NCO-029-50, \$31.5**

**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.

**NCO-032-50, \$23**

**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.

**OGS-8275, 5# \$10.5 / 50# \$71.5**

**Superworm Frass:** (2-2-2), 16% Chitin. As if “darkling beetle” didn’t already sound like the nightmare invention of a fantasy novelist, the manufacturers of this fertilizer have dubbed their darkling beetle larvae “superworms.” We see a Hollywood blockbuster in the making! On a dark and

stormy night, an evil band of fungus gnats swarms toward your Conspiracy Kush. Superworm to the rescue! By the power of chitin, the good will prevail!

“Darkling beetle” is the common name for the Tenebrionidae family of beetles, which comprises over 20,000 species living all over the world. The name signifies “seekers of dark places” and most of these beetles do avoid the light. Their “frass” (a polite word for insect poop) is a respectable source of N-P-K, but more importantly it is a rich source of plant-available chitin. Frass nourishes chitin-feeding bacteria and fungi, which in turn devour gnat eggs and root-feeding nematodes. Chitin also fortifies plants’ cell walls, stimulates their immune systems, and fosters healthy blooms (think more and bigger and stickier buds!) Not just for cannabis growers, either: frass is a useful addition to potting soils and an excellent sidedressing for any producer.  
MOFGA

Frass can be used in several ways:

\* For soil mixes: Incorporate ½-1 cup frass per cubic foot of media.

\* For fertigation: Add ½ cup per gallon of water, shake well, and apply every 3-4 weeks.

\* For sidedressing: 2 Tablespoons per plant before watering every 2-3 weeks.

\* For foliar feeding: 1-2 Tablespoons per gallon of water; steep 30 min, screen solids, and spray onto leaves.

**OGS-8351, 1 lb \$9.5 / 5 lb \$41 / 50 lb \$277.5**

**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!  
**OGS-8315-B, \$96**

## Calcium . . . . .

**Azomite Field Grade:** (0-0-0.2, 1.8% Ca) Named for its A-to-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. Lots of powder, but still slightly less dusty than Micronized Azomite. Please note this is not the same as the Granulated Azomite from Fedco, which is unavailable from any suppliers for a while. Broadcast at 300–600# an acre, approximately 1–2#/100 sq ft. Also can be used in potting soil (7–10#/yard) and compost (50–100#/ton).  
**OGS-8214, 4# \$7.5 / 44# \$32.5**

**Dolomitic Lime:** Pelleted Dolomitic Limestone (57.7% CaCO<sub>3</sub>, 33% MgCO<sub>3</sub>). 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.  
**OGS-8201, 5# \$5.5 / 50# \$13**

**Dolomitic Lime Pulverized:** Pelleted Dolomitic Limestone (57.7% CaCO<sub>3</sub>, 33% MgCO<sub>3</sub>). 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.  
**PG-114, 5# \$5.5 / 50# \$13.5**

**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.  
**PG-115, 5# \$4.5 / 50# \$22**

**Gypsum Pelletized:** (Calcium Sulfate  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ , 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.

**OGS-8204, 5# \$6.5 / 40# \$19.5 / 50# \$25**

**Wollastonite - 50#:** (48%  $\text{CaO}$  and 52%  $\text{SiO}_2$ ). 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.

**OGS-8207-B, \$44**

## Potassium, Phosphorus, & Sulphure . . . . .

**Bone Char:** (0-16-0, 32%  $\text{P}_2\text{O}_5$ , 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.

**OGS-8283, 5# \$11 / 50# \$59.5**

**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

Baystate Organic Certification Note: Use restriction - requires documented deficiencies in boron and zinc

**PG-116-50, \$47**

**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

**PG-120-50, \$63.5**

**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

**PG-121-50, \$34**

**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.

**PG-122-50, \$49**

**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 germinating 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.

**PG-126-50, \$46**

**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.

**OGS-8295, 5# \$15 / 50# \$112.5**

**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.

**OGS-8231, 5# \$6.5 / 50# \$32.5**

**Greensand Granular:** Carries glauconite that improves plant growth and health.

**PG-130, 10# \$17.5 / 50# \$25**

**K-Mag:** (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.

**OGS-8237-B, \$64.5**

**Soft Rock Phosphate:** (0-6-0, up to 25% total P, plus at least 30% Ca and 10% SiO<sub>2</sub>). 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.

**OGS-8250, 5# \$9 / 50# \$42**

**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.

**PG-4895, \$49.5**

**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.

**OGS-8246-A, \$12**

**Sul-Po-Mag (Sulpo Mag) 50#:** A quick release source of potassium, Sulpo Mag is a good addition to soils that lack sulfur. 22% soluble potash, 22% sulfur, 11% magnesium.

**PG-139-50, \$36.5**

**Superworm Frass:** (2-2-2), 16% Chitin. As if “darkling beetle” didn’t already sound like the nightmare invention of a fantasy novelist, the manufacturers of this fertilizer have dubbed their darkling beetle larvae “superworms.” We see a Hollywood blockbuster in the making! On a dark and stormy night, an evil band of fungus gnats swarms toward your Conspiracy Kush. Superworm to the rescue! By the power of chitin, the good will prevail!

“Darkling beetle” is the common name for the Tenebrionidae family of beetles, which comprises over 20,000 species living all over the world. The name signifies “seekers of dark places” and most of these beetles do avoid the light. Their “frass” (a polite word for insect poop) is a respectable source of N-P-K, but more importantly it is a rich source of plant-available chitin. Frass nourishes chitin-feeding bacteria and fungi, which in turn devour gnat eggs and root-feeding nematodes. Chitin also fortifies plants’ cell walls, stimulates their immune systems, and fosters healthy blooms (think more and bigger and stickier buds!) Not just for cannabis growers, either: frass is a useful addition to potting soils and an excellent sidedressing for any producer.  
MOFGA

Frass can be used in several ways:

\* For soil mixes: Incorporate ½-1 cup frass per cubic foot of media.

\* For fertigation: Add ½ cup per gallon of water, shake well, and apply every 3-4 weeks.

\* For sidedressing: 2 Tablespoons per plant before watering every 2-3 weeks.

\* For foliar feeding: 1-2 Tablespoons per gallon of water; steep 30 min, screen solids, and spray onto leaves.

**OGS-8351, 1 lb \$9.5 / 5 lb \$41 / 50 lb \$277.5**

**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.

**OGS-8252, 5# \$7 / 50# \$26**

**Tiger Organic 90CR 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°.

**OGS-8249-A, \$8.5**

**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.

**OGS-8309-B, \$82.5**

## Trace Minerals / Micronutrients . . . . .

**\*\*\*NEW CannaDiesel Mix:** A high-octane well-balanced blend to fuel your grow! This fertilizer and amendment mix includes all the goodies contained in our well-loved CannaLot MegaSoil, minus the compost and potting soil. Local growers requested we offer this slimmed-down version because they plant into the ground (rather than containers) and didn't need the soil. It's also cheaper to ship without the soil. Contains customer Dan K's time-honored CannaLot blend of alfalfa, soybean, blood, crab and kelp meals, along with worm castings, zeolites, rock phosphate, Azomite, bone char, wollastonite, basalt, and MycoApply.

To maximize growth without overdoing the fertility, we recommend these proportions for each plant grown in a pot: 16½# CannaDiesel mixed with 2½ gallons of nice compost and 10 gallons of fertile potting soil. For planting in the ground, forgo the potting soil and use the same proportions CannaDiesel and compost for each 2 cu ft hole. As with anything, it's best to try it with just one plant before you switch over your entire operation to a different fertilizer. To make this mix shelf-stable, the nitrogen-rich ingredients are packed in a small bag within the main bag.

**OGS-8338, 5# \$7.5 / 50# \$77.5**

### **20 Mule Team Borax-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!

Baystate Organic Certification Note:  
Requires documented deficiency in Boron. Not to be used as an herbicide or dessicant. Note from Baystate Organic Certifiers: Per Baystate Organic Certifiers: Allowed with Restriction. Requires documented deficiency in Boron. Not to be used as an herbicide or dessicant.

**OGS-8219-A, \$33.5**

**BrixBlend Basalt:** (49.3% SiO<sub>2</sub>, 13.3% Al<sub>2</sub>O<sub>3</sub>, 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.

**OGS-8222, 5# \$6.5 / 50# \$35**

**Epsom Salt 50# \*RESTRICTED\*:** Quick acting Mg & S fertilizer. Can be used for a foliar application. Can be mixed with pesticides or liquid fertilizers.

Baystate Organic Certification Note: Use restriction - Requires documented soil deficiency in magnesium Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Requires documented soil deficiency in magnesium.

**PG-3517, \$36.5**

**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. Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed (Crops or Livestock)

**PG-128-50, \$105**

**Good-4 (3# box):** GOOD-4 PLANTS has the ideal combination of soluble seaweed, humic, and fulvic extracts to rejuvenate struggling plants and maintain vitality in healthy ones. GOOD-4 ensures better seed germination, low transplant mortality, quick recovery from transplant shock, faster and more dense root development, and accelerated growth. GOOD-4 is a great amendment for compost tea, flowers, fruit, greenhouses, transplants, trees, turf, and vegetables.

**NCO-026-3, \$46.5**

**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.

**OGS-8263, 5# \$17 / 50# \$98**

### **Manganese Sulfate 32% soluble**

**\*RESTRICTED\*:** Erachem Tecmangam, a high quality manganese sulfate (MnSO<sub>4</sub>) Active ingredient: Sulfur 19%, Manganese (water soluble)32%

Baystate Organic Certification Note: Use restriction - requires a documented deficiency in Manganese Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Requires a documented deficiency in Manganese

**PG-132, 5# \$11 / 50# \$98.5**

**Neptune's Harvest Kelp Meal:** Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: crops only  
**PG-133, 12# \$49 / 50# \$105**

**Symbiosis Agx:** Symbiotic ([www.symbioticag.com](http://www.symbioticag.com)) is an OMRI Listed Bio - Stimulant that Restores and Revitalizes your soil to enhance the nutrient uptake in the foods you produce. Improve your plants metabolism and overall yields while lowering your demands on your irrigation systems and lowering your soil admendment costs this season by using this product. Symbiotic awakens the Symbiosis process on your farms by incorporating this Regenerative Agriculture product into your practice. This is where Biology Supercedes Chemistry.

**SAP-500, 1qt \$49**

## Soil Conditioners . . . . .

**Aragonite - 50#:** (33% CaCO<sub>3</sub>) 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.

**OGS-8195-B, \$30**

**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.

Row crops: apply in seed row at a rate of 1 lb/acre

Root dip: dilution 1 lb/20 gal water

Potted plants: 1 gram/6" pot into potting soil mix. Use approximately 10g per cubic yard of soil mix

**AEA-025, \$97.5**

**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.

**OGS-8321-B, \$30**

**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.

**OGS-8397-A, \$10**

**Compost Inoculant - 1 quart bag:** 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.

**ECF-001, \$25.5**

**Diamond Grow Humic Acid:** Humic Grow Solution's Diamond Grow Organic Liquid Humic Concentrate is the supreme liquid humic product that contains the highest concentrations of both humic and fulvic acids. Provides immediate benefits for the plant, improved soil conditions over time, and better fall residue breakdown. Ideal for both foliar and soil application, may be used as a soil amendment, foliar spray, or fertilizer enhancer.

**PG-113, 1 gal \$26.5 / 2.5 gal \$60.5**

**Fertrell Zeolite 50#:** Will cut fertilizer and water costs by holding the nutrients and water in the root zone until the plant is 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.

**PG-5118, \$37**

**Good-4 (3# box):** GOOD-4 PLANTS has the ideal combination of soluble seaweed, humic, and fulvic extracts to rejuvenate struggling plants and maintain vitality in healthy ones. GOOD-4 ensures better seed germination, low transplant mortality, quick recovery from transplant shock, faster and more dense root development, and accelerated growth. GOOD-4 is a great amendment for compost tea, flowers, fruit, greenhouses, transplants, trees, turf, and vegetables.

**NCO-026-3, \$46.5**

**Hi-Cal Limestone Pelletized:** Pro-Select Prill (87% CaCO<sub>3</sub>, 7% MgCO<sub>3</sub>). 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.

**OGS-8198, 5# \$5.5 / 50# \$16.5**

**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.

**OGS-8324, 3# \$6 / 30# \$44**

**Karanja Cake:** Made from the residue of pongam tree seeds after the oil has been pressed. A favorite of earthworms and other beneficial soil organisms, and inhibits the growth of some notorious pathogenic soil microbes. Provides many of the same benefits to the soil as Neem Cake—the two are known to work together synergistically. Use in combination with other soil conditioners and fertilizers—especially Neem Cake—at 10–15% by weight; neem and karanja can be combined for a total of 10–15%. Contains growth-regulating hormones so be cautious using it in potting mix, adding no more than 1% by weight; we suggest 0.5% karanja cake plus 0.5% neem cake. In the field, apply 220–450# per acre, or 1# per 100 sq ft. NEW! Not registered in New Hampshire, NO New Hampshire Sales

**OGS-8273, 4# \$17.5 / 44# \$108.5**

**Menefee Humates, 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.

**PG-3744, \$35.5**

**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.

Apply at a minimum of 75g/acre and up to 150g/acre

**AEA-023, 2 acre \$51 / 5 acre \$122**

**Nature's Turf 8-1-9 50#:** Nature's Turf 8-1-9 is a designer fertilizer made specifically for turf. The objective of Nature's Turf 8-1-9 is to provide nutrients to turf plants in the most efficient manner possible, and the best way to accomplish that is to enliven and enrich the biological activity in the soil. More and more researchers, scientists, and turf managers are beginning to recognize the awesome value of a biologically active soil. Soil organisms are responsible for so many functions that directly benefit turf. Almost all of the nutrients utilized by plants-especially those obscure but essential elements that are not normally added to conventional fertilizer-are made available to plants by soil organisms. One of the most important and essential nutrients for all plants is carbon dioxide, which would not be available in ample quantities if it weren't for the work of soil organisms. All the proteins and carbohydrates manufactured by photosynthesis are built upon a base of carbon supplied by carbon dioxide. Saprophytic organisms in the soil produce carbon dioxide as they consume organic residues. Many soil organisms are responsible, both directly and indirectly, for suppressing a large number of turfgrass diseases, not to mention phytopathogenic nematodes and some herbivorous insects. Many disease pathogens, in fact, exist as saprophytic organisms feeding on organic residues in the soil. It isn't until those residues are depleted that they become parasitic and cause plant disease. Maintaining resources for soil organisms is always in the best interest of the turf manager. Other benefits of a biologically active soil include soil aggregation, thatch reduction, more efficient release of

available plant nutrients, improved soil atmospheric respiration, systemic acquired disease resistance, antioxidant hormone production, improved water infiltration, increased water and oxygen holding capacity, deeper and more extensive turf roots, mycorrhizal associations, reduced soil compaction, and improved turf density with consequent weed suppression. The eight-percent nitrogen (N) in Nature's Turf 8-1-9 is derived from three different sources that all have different release rates. Most of the nitrogen is organic and feeds populations of bacteria that require high protein substrates to multiply. A small amount of the nitrogen in Nature's Turf 8-1-9 is derived from a soluble, natural mineral source that will provide N to plants even when the soil is cold and biological activity is naturally suppressed. Phosphorus (P) is a nutrient that is very important to germinating seeds but established turf rarely needs much more than what is already in the soil. Unless a soil test indicates a need for phosphorus, excessive applications of P may only serve to increase the germination of annual weed seeds. The low amount of phosphorus in Nature's Turf 8-1-9 can significantly reduce the need for herbicides. Potassium (or potash) is extremely important for plant strength and health. The plant's ability to defend against both insect and disease pests and its tolerance to heat, cold, drought, and wear depend on adequate absorption of potassium. Without sufficient potassium, cell walls become thin, weak, and less able to retain fluids. This condition makes plants easier prey for insect and disease organisms and less able to withstand traffic or survive through the winter. Potassium ions

available to plant roots are magnetically attached to colloidal soil particles such as clay and humus. The abundance of these particles and their ability to hold positively charged ions (cations) makes up, what is known as, the cation exchange capacity (CEC) of the soil. The higher the CEC, the more cations like potassium, magnesium, and calcium can be held by the soil. Unfortunately, the type of soil (sandy) in which turf, especially sports turf, is often growing has a low CEC and often cannot hold enough potassium ions necessary for adequate cell turgor. Nature's Turf 8-1-9 is designed to compensate for a low CEC and provide the extra potash needed to grow strong, resilient plants. Nature's Turf 8-1-9 is manufactured in consistently sized granules that spread evenly and integrate easily into the turf canopy. We always recommend mowing with the bag off but it is especially important for the first 2-3 mowings after Nature's Turf 8-1-9 has been applied. Clippings can contribute up to two pounds of nitrogen, increase earthworm populations, decrease thatch, improve water infiltration, increase root mass, and suppress turf diseases. Application Rates Application rates vary from 3 to 12 pounds per 1000 ft<sup>2</sup> depending on soil conditions and the preferences of the turf manager. If turf is growing on biologically inactive soil\*, we would recommend greater application rates less frequently. Once biological activity is restored, lower rates can be used but should be applied more often. Nature's Turf 8-1-9 should be applied during periods of the season when grass normally grows vigorously. Fertilization during periods when grass is naturally dormant may fuel weed growth. Nature's Turf 8-1-9 can be

applied as a dormant feeding in the late fall but fertilizers, in general, should not be applied after dormancy in areas prone to winter diseases. A late summer/early fall application can help soil organisms provide suppression of many winter disease organisms. Nature's Turf 8-1-9 should be applied when turf shows signs of infertility. Coverage: 4000 – 16,000 ft<sup>2</sup> per 50-lb. bag. Product density: 43 lbs. per ft<sup>3</sup>.  
**NCO-027-50, \$47**

**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.

Apply at a rate of 12.5 oz/acre or 1 gal/10 acres  
**AEA-024, 5 acre \$79 / 25 acre \$329.5**

**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 each planting hole with surrounding soil. After planting, water with a 100:1 solution Stress-X. Sprinkle ½ cup of Pro-Hemp under the dripline when plants are 2-3 feet tall.  
**NCO-030-50, \$40.5**

**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.

**NCO-031-50, \$34**

**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.

**OGS-8348, 5# \$9.5 / 25# \$33**

**Rejuvenate:** Rejuvenate™ 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.

Row 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™ 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.

**AEA-018, 1 gal \$50 / 5 gal \$189.5**

**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.

Plant 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

**AEA-026, 1 acre \$22.5 / 10 acre \$175**

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

**PG-4309, 5# \$4.5 / 50# \$38**

**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.

**WR-146, 4# \$25 / 15# \$52.5 / 40# \$120**

**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.

**OGS-8255, 5# \$12**

## Liquid Amendments . . . . .

**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.

Baystate Organic Certification Note: Use restriction -- Soil deficiency must be documented by testing (includes boron, copper, cobalt, manganese, molybdenum, zinc). Must not be used as a defoliant, herbicide, or dessicant. Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Soil deficiency must be documented by testing (includes boron, copper, cobalt, manganese, molybdenum, zinc).

**AEA-005, 1 gal \$29.5 / 5 gal \$135.5**

**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 1½ 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.

**OGS-8185-A, \$50**

**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.

Baystate Organic Certification Note:  
Allowed with Restrictions - Product contains highly soluble N and must be applied in a manner that does not contribute to the contamination of crops, soil or water.

**OGS-8292, 1 pint \$11 / 1 gal \$31.5 / 5 gal \$103.5**

**HoloCal \*RESTRICTED\*:** HoloCal™ is a non-synthetic 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 appropriate 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

Baystate Organic Certification Note: Use restriction - Deficiency must be documented (includes boron). Must not to be used as a defoliant, herbicide, or desiccant. Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Boron deficiency must be documented.

**AEA-006, 1 gal \$39 / 5 gal \$161.5**

**Holo-K \*RESTRICTED\*:** Holo-K™ is a natural non-synthetic 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

Baystate Organic Certification Note: Use restriction - Deficiency must be documented (cobalt). Must not to be used as a defoliant, herbicide, or desiccant. Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Deficiency must be documented (cobalt)

**AEA-007, 1 gal \$57.5 / 5 gal \$225**

**HoloMac 5 gal \*RESTRICTED\*:** HoloMac and HoloMic are a comprehensive blend of macronutrients, micronutrients and humic substances that form the foundation of a sound nutrition program for many crops.

HoloMac™ and HoloMic™ provide P2O5, K2O, Ca and most necessary micronutrients. Together they increase photosynthetic efficiency, support microbial populations, promote mineral release from soil reserves, improves plant nutrient uptake, support the production of plant secondary metabolites

- , provide enzyme cofactors to enable plants to build complex proteins, and encourage larger, stronger roots and better plant resistance to environmental stresses

HoloMac™ and HoloMic™ are two different blends designed to be used together in varying amounts depending on conditions and growth stage. HoloMac provides the major constituents of plant growth, focusing on photosynthesis, fruit fill and sugar transport. HoloMic is a combination of fish hydrolysate, calcium, available phosphate and soluble potash.

Baystate Organic Certification Note: Use restriction - Deficiency must be documented (includes boron, cobalt). Must not to be used as a defoliant, herbicide, or desiccant.

**AEA-027, \$161**

**HoloPhos:** 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 a foliar  
**AEA-008, 1 gal \$42.5 / 5 gal \$167**

**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.

HumaCarb™ 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

**AEA-009, 1 gal \$37.5 / 5 gal \$167.5**

**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

Baystate Organic Certification Note: Use restriction - Deficiency must be documented (includes cobalt, copper, manganese, zinc, boron, molybdenum). Must not be used as a defoliant, herbicide, or desiccant. Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Must be documented (includes cobalt, copper, manganese, zinc, boron, molybdenum).

**AEA-010, 1 gal \$52.5 / 5 gal \$204**

**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.

Baystate Organic Certification Note:  
Allowed with Restrictions - Product contains highly soluble N and must be applied in a manner that does not contribute to the contamination of crops, soil or water.

**OGS-8289-B, \$26**

**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.

Baystate Organic Certification Note:  
Allowed for crops and livestock

**OGS-8497-A, \$14**

**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

Baystate Organic Certification Note: Use restriction - Soil deficiency must be documented by testing (includes boron, cobalt, molybdenum). Must not to be used as a defoliant, herbicide, or desiccant Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Must be documented (includes boron, cobalt, molybdenum).

**AEA-011, 1 gal \$40.5 / 5 gal \$164.5**

**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

Baystate Organic Certification Note: Use restriction - Soil deficiency must be documented by testing (includes boron). Must not to be used as a defoliant, herbicide, or desiccant Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Must be documented (includes boron).

**AEA-012, 1 gal \$25 / 5 gal \$112.5**

**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

Baystate Organic Certification Note: Use restriction - Soil deficiency must be documented by testing (includes cobalt). Must not to be used as a defoliant, herbicide, or desiccant Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Must be documented (includes cobalt).

**AEA-013, 1 gal \$41 / 5 gal \$187.5**

**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

Baystate Organic Certification Note: Use restriction - Soil deficiency must be documented by testing (includes copper). Must not to be used as a defoliant, herbicide, or desiccant Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Must be documented (includes copper).

**AEA-014, 1 gal \$9 / 5 gal \$46**

**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

Baystate Organic Certification Note: Use restriction - Soil deficiency must be documented by testing (includes iron). Must not to be used as a defoliant, herbicide, or desiccant Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Must be documented (includes iron).

**AEA-015, 1 gal \$9 / 5 gal \$46**

**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

Baystate Organic Certification Note: Use restriction - Soil deficiency must be documented by testing (includes manganese). Must not to be used as a defoliant, herbicide, or desiccant Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Must be documented (includes manganese).

**AEA-016, 1 gal \$26 / 5 gal \$117.5**

**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

Baystate Organic Certification Note: Use restriction - Soil deficiency must be documented by testing (includes zinc). Must not to be used as a defoliant, herbicide, or desiccant Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed with Restriction. Must be documented (includes zinc).

**AEA-017, 1 gal \$23.5 / 5 gal \$105**

**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

**AEA-019, 1 gal \$51.5 / 5 gal \$178**

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

At planting: up to 2 gal/acre

Foliar: up to 2 gal/acre every 2 weeks

Fertigation: up to 5 gal/acre every 2 weeks, to a maximum of 100 gal/acre per year

**AEA-020, 1 gal \$25.5 / 5 gal \$107.5**

**SeaStim:** SeaStim™ is a liquid kelp extract that has been developed from specific kelp sources which are not commonly used in crop production. Seastim™ 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.

Seastim™ 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 qt/acre

Broad acre crops, foliar: up to 2 qt/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  
**AEA-021, 1 gal \$42 / 5 gal \$175**

**Symbiosis Agx:** Symbiotic ([www.symbioticag.com](http://www.symbioticag.com)) is an OMRI Listed Bio - Stimulant that Restores and Revitalizes your soil to enhance the nutrient uptake in the foods you produce. Improve your plants metabolism and overall yields while lowering your demands on your irrigation systems and lowering your soil admendmant costs this season by using this product.Symbiotic awakens the Symbiosis process on your farms by incorporating this Regenerative Agriculture product into your practice. This is where Biology Supercedes Chemistry.

**SAP-500, 1qt \$49**

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## Tools & Supplies

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### Irrigation . . . . .

**Earth Staples:** The garden seems full of rocks until you need one to anchor the row cover. Steel wire staples neatly hold down landscape fabric, row covers, irrigation line or fencing.

We've always carried the 6" size, but these 9" staples are NEW! in response to growers requesting the extra length for better holding power in looser soils.

**OGS-8884, 6"-25 \$4.5 / 9"-25 \$11.5 / 6"-100 \$18.5 / 9"-100 \$47.5 / 6"-1000 \$100 / 9"-1000 \$283.5**

**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

**OGS-9101-A, \$48.5**

**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 ½" polyethylene mainline tubing 2 mainline ends with screw caps - removable for flushing line, 1 Coupler ( ½" ) - 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 ¼" holes in mainline to install drip tape, 10 two-way plugs - fill holes in mainline if you relocate drip tape fittings.

**OGS-9098-A, \$114.5**

**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.

**OGS-9200-A, \$19**

**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.

**OGS-9116-A, \$14**

**Quick Connect 2 Pc Hose Set:** For anyone who changes or moves hoses on a regular basis, this nifty attachment is a lifesaver! Rather than having to screw and unscrew your hose to the water source, these fittings simply snap together for a watertight seal. To release, just depress the collar—the locking mechanism works much like a quick-release bit holder on an impact driver. You don't even have to turn the water off—water flows only while fittings are connected! This is a 2-piece set. Note: This product requires a Prop 65 Warning.

**OGS-9108-A, \$15.5**

**Quick Connect Male Pc Only:** This listing is for 1 male piece only. We also offer a 2-piece set. For anyone who changes or moves hoses on a regular basis, this nifty attachment is a lifesaver! Rather than having to screw and unscrew your hose to the water source, these fittings simply snap together for a watertight seal. To release, just depress the collar—the locking mechanism works much like a quick-release bit holder on an impact driver. You don't even have to turn the water off—water flows only while fittings are connected! Note: This product requires a Prop 65 Warning.

**OGS-9109-B, \$5**

## Livestock . . . . .

**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.

**PG-119-50, \$40**

**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 vitamin-mineral supplement. While there are many look-alike 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.

Baystate Organic Certification Note:  
Allowed without Methionine  
**PG-125-60, \$100.5**

**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. Note from Baystate Organic Certifiers: Baystate Organic Certifiers note: Allowed (Crops or Livestock)  
**PG-128-50, \$105**

**Redmond Salt, 50#:** Ancient Salt with natural trace minerals.  
**PG-137-50, \$23.5**

## Pest & Disease Control . . . . .

**\*\*\*New Castor Oil OG - 1qt:** Widely known to effectively repel burrowing mammals like moles, voles, gophers, rabbits, ground squirrels and armadillos. Local farm advisor Mark Fulford recommends castor oil for keeping deer away from fruit trees. May also be sprayed on young tree trunks to prevent mice and voles from girdling bark. We bring you this potent oil in its pure form because it is much cheaper and more versatile than granular castor oil products. See footer below for application rates.  
**OGS-8725, 1 qt \$9.5 / 1 gal \$37.5**

**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 leaf-free 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.  
**OGS-8633-A, \$3.5**

**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.  
**OGS-8618-A, \$7**

**Codling Moth Lure - 2 kits:** 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.

**OGS-8646-A, \$17.5**

**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.

Baystate Organic Certification Note: Prevention must be used first Note from Baystate Organic Certifiers: Baystate Organic Certifiers indicates that it is allowed with restriction. Prevention must be used first.

**OGS-8723-A, \$41**

**DiPel DF Bt:** Biological insecticidal dry flowable wettable powder. Commercial strength Bt (*Bacillus thuringiensis* subsp. *kurstaki*), approx 32,000 IU/mg. Labeled for a wide variety of caterpillar and moth pests on practically every agricultural crop there is.

Apply at ¼–2# per 100 gal per acre or ½–4 tsp per gal per 500 sq ft. Use in a solution with ThermX 70 spreader-sticker for better wetting and adhesion. Please see pesticide label here. EPA reg. 73049-39

Baystate Organic Certification Note: Use restriction - prevention must be used first

**OGS-8753-A, \$25**

**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.

Baystate Organic Certification Note: Use restriction - prevention must be used first  
Note from Baystate Organic Certifiers: Baystate Organic Certifiers indicates that it is allowed with restriction. Prevention must be used first.

**OGS-8759-A, \$625**

**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.

**PG-119-50, \$40**

**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 water.

**OGS-8663, 3# \$31 / 10# \$94.5**

**Maggot Barriers - Pack of 100:** 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!  
**OGS-8626-A, \$12.5**

**MoleMax Mole & Vole Repellent:** 10% castor oil in a base of fuller’s earth. Whether you have moles tunneling in your lawn, groundhogs eating their way through your vegetable garden, or voles girdling your apple trees, this is a simple but effective tool against damaging varmints.

Be sure to follow the package instructions! Start by applying the granules to an area unaffected by the pests, and then expand the application to push them out of the area you wish to protect. Rodents are stubborn: may require regular applications for continued effectiveness.

One bag protects up to 5000 square feet. If armadillos are a problem for you, it supposedly works against them, too. Exempt from EPA registration.

**OGS-8726-A, \$28**

### **Monterey Garden Insect Spray**

**\*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. Note from Baystate Organic Certifiers: Baystate Organic Certifiers indicates that it is allowed with restriction. Prevention must be used first.

**OGS-8762**, pint \$21 / gallon \$93

**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.

**OGS-8660-A-Tx**, \$21

**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.**

**PG-11725**, 1 gal \$280.5

**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 Sticky 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.

**OGS-8627-A, \$4**

### **Safer Caterpillar Killer 16 Oz. Pint**

**3#\*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.

Baystate Organic Certification Note: Use restriction - prevention must be used first  
Note from Baystate Organic Certifiers: Baystate Organic Certifiers indicates that it is allowed with restriction. Prevention must be used first.

**OGS-8756-A, \$17.5**

**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.

Baystate Organic Certification Note: Use restriction - May be used as an algicide/demosser, herbicide or insecticide if the requirements of §205.206(e) are met, which requires the use of preventative, mechanical, physical, and other pest, weed, and disease management practices. When used as an herbicide may only be used for farmstead maintenance (roadways, ditches, right of ways, building perimeters) and ornamental crops.&nbsp; Note from Baystate Organic Certifiers: Baystate Organic Certifiers indicates that it is allowed with restriction. Prevention must be used first.

**OGS-8738-A, \$18**

**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.

Baystate Organic Certification Note: Use restriction - May be used as slug and snail bait if the requirements of 205.206(e) are met, which requires the use of preventative, mechanical, physical, and other pest, weed, and disease management practices. Note from Baystate Organic Certifiers: Baystate Organic Certifiers indicates that it is allowed with restriction. Prevention must be used first.

**OGS-8741, 1# \$8.5 / 5# \$32.5**

**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. Baystate Organic Certification Note: Prohibited for organic use, labeled for use on lawns only. **OGS-8747-A, \$49**

**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.

**OGS-8648-B-Tx, \$10.5**

**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 Yellow Sticky Strips for aphids, cucumber beetles, fungus gnats, corn root worms or whiteflies. Yellow Sticky Strips come with looped metal stakes.

**OGS-8648-A-Tx, \$20.5**

**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. Note from Baystate Organic Certifiers: Baystate Organic Certifiers: allowed with restriction. Must not contact organic crops.

**OGS-8630-A, \$12**

### **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, ½#/gal water in hand and backpack sprayers. EPA reg. 61842-18.

Baystate Organic Certification Note: Prevention must be used first Note from Baystate Organic Certifiers: Baystate Organic Certifiers indicates that it is allowed with restriction. Prevention must be used first.

**OGS-8720-A, \$84.5**

**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. Note from Baystate Organic Certifiers: Baystate Organic Certifiers indicates that it is allowed with restriction. Prevention must be used first.

**OGS-8624-A, \$18.5**

## 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. Note from Baystate Organic Certifiers: Approved for organic use by Baystate Organic Certifiers. Must be removed at the end of each season.

**OGS-8418, 4x50 \$7 / 4x250 \$27.5**

**Earth Staples:** The garden seems full of rocks until you need one to anchor the row cover. Steel wire staples neatly hold down landscape fabric, row covers, irrigation line or fencing.

We've always carried the 6" size, but these 9" staples are NEW! in response to growers requesting the extra length for better holding power in looser soils.

**OGS-8884, 6"-25 \$4.5 / 9"-25 \$11.5 / 6"-100 \$18.5 / 9"-100 \$47.5 / 6"-1000 \$100 / 9"-1000 \$283.5**

**Floating Crop Cover:** Available in both 0.59 oz and 1.0 oz weights and a range of sizes to meet your production needs. Manufactured by either Plant's Pride or Dewitt depending upon availability. 1.0 oz weight is almost twice as heavy as the 0.59 oz weight, for almost twice the frost protection. Good for strawberries and to extend fall harvests. Can be used for two seasons. Seams are sewn for strength and durability. 0.59 oz weight is among the lightest weight covers available. Seams are sewn for strength and durability. 85% light transmission, protects to 30-31 degrees F.

**PG-376, 83"x500' (.59oz) \$66.5 / 10'x500' (.59oz) \$92 / 10'x500' (1 oz) \$92 / 7'x500' (1 oz) \$116 / 83"x1000' (.59oz) \$127 / 7'x1000' (1 oz) \$242**

**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 long-season squash, melons, peppers, eggplant and okra. 1.0 mil. 4' wide. Note from Baystate Organic Certifiers: Approved for organic use by Baystate Organic Certifiers. Must be removed at the end of each season.

**OGS-8421-B, \$39**

**Orchard Netting:** Drape over trees or bushes and fasten to protect fruit or berries from birds. Strong and durable black polypropylene 5/8" mesh with UV inhibitors. **OGS-8862**, 7x20' \$10 / 14x14' \$10.5 / 28x28' \$40

**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. **OGS-8877-A**, \$14.5

**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"! **OGS-8859**, 5x30' \$16.5 / 5x60' \$28.5

**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. Note from Baystate Organic Certifiers: Approved for organic use by Baystate Organic Certifiers. Must be removed at the end of each season. **OGS-8412-B**, \$31

**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. **OGS-8406**, 4x50 \$33.5

## Trays & Pots . . . . .

**\*\*\*New Winstrip Tray #50 - 1 sheet:** Have you longed to jettison those flimsy plastic plug flats but hesitated to invest all the extra soil, time and energy into soil blocks? Game-changing injection-molded Winstrip Air Pruning Trays to the rescue from Neversink Farm Tools!

These trays offer the best of both worlds, and then some! Recommended to Fedco by Beth Haines of Fisher Farm in Winterport, ME, which quickly learned they are extremely durable, provide air pruning that rivals soil blocks, are quick and easy to fill, saves potting soil and water, and improves transplanting. Trays are standard 10x20" rectangles. Cell size for this 50-cell tray is 1.6" wide x 2.72" deep. 72-cell trays are also available.

Extremely durable recycled plastic is food grade, BPA-free and UV-resistant. Made in the USA.

**OGS-8815-A, 1 sheet \$12.5 / 10 sheets \$109.5**

**\*\*\*New Winstrip Tray #72 - 1 sheet:** Have you longed to jettison those flimsy plastic plug flats but hesitated to invest all the extra soil, time and energy into soil blocks? Game-changing injection-molded Winstrip Air Pruning Trays to the rescue from Neversink Farm Tools! These trays offer the best of both worlds, and then some! Recommended to Fedco by Beth Haines of Fisher Farm in Winterport, ME, which quickly learned they are extremely durable, provide air pruning that rivals soil blocks, are quick and easy to fill, saves potting soil and water, and improves transplanting. Trays are standard 10x20" rectangles. Cell size for this 72-cell tray is 1.3" wide x 2.3" deep. 50-cell trays are also available.

Extremely durable recycled plastic is food grade, BPA-free and UV-resistant. Made in the USA.

**OGS-8816-A, 1 sheet \$12.5 / 10 sheets \$109.5**

**1020 Trays with holes-5ct:** 10½x21x2¼" grey plastic trays, often called 1020 Trays. Use with domes to hold in heat and moisture.

**OGS-8823-A-Tx, \$10.5**

**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.

**OGS-8829, 5 ct \$13.5 / 50 ct \$119**

**Fabric Pots:** 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.

Baystate Organic Certification Note: Use restriction - The container must not be transplanted into an organic field. Also, most organic crops must not be grown to maturity in containers Note from Baystate Organic Certifiers: Baystate Organic Certifiers recommends to talk to your certifier about whether they can certify crops grown in containers

**OGS-8808, 3 gal \$3.5 / 5 gal \$4.5 / 20 gal \$12.5**

**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.

Baystate Organic Certification Note: Use restriction - The container must not be transplanted into an organic field. Also, most organic crops must not be grown to maturity in containers

**OGS-8807-A-Tx, \$2**

**Heavy Duty Dome:** Sturdy clear plastic domes from the manufacturer of our heavy-duty plant trays. Will last for years with reasonable care. 3¼" tall.

**OGS-8835-A, \$5**

**Heavy Duty Plant Tray:** These sturdy 11x22x2¼" 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.

**OGS-8832-A, \$9.5**

**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 $\frac{3}{8}$ " tall.

**OGS-8790, 36 \$5.5 / 1260 \$176**

**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 $\frac{1}{4}$ " tall.

**OGS-8787, 50 \$5.5 / 1400 \$148.5**

**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 $\frac{1}{2}$ " round, 4" tall.

**OGS-8793, 50 \$11 / 1056 \$188.5**

**Plastic Six-packs:** Convenient tear-apart plastic containers. 6 cells, 2-3/16x2 $\frac{3}{8}$ x3 $\frac{1}{4}$ ", to a pack, 6 packs to a sheet. Sheet fits easily into a 1020 Tray. Great for selling seedlings. Note: Product may vary slightly from images

**OGS-8814, 5 sheets \$5.5 / 100 sheets \$100**

**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 $\frac{3}{8}$ " deep.

**OGS-8836, 5 ct \$11 / 50 ct \$99**

**Wooden Pot Labels:** Untreated wooden sticks for labeling seedlings. Made in Maine from New England white birch. 5x $\frac{5}{8}$ " sticks.

**OGS-9289, 50 \$2.5 / 1000 \$38**

## 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.

**PG-373, 1/2 pint - 50 ct \$7.5 / 1/2 pint - 600 ct \$81 / pint - 50 ct \$8.5 / pint - 420 ct \$62 / quart - 50 ct \$12 / quart - 297 ct \$68.5**

**Bunching (Rubber) Bands:** 1# pkg. These are #64 size, ¼x3½", approximately 425 per pound. Useful for bunching broccoli, dried flowers, carrots, beets and scallions for market.

**OGS-9334-A-Tx, \$14.5**

**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.

**OGS-9331-A, \$9**

**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.

**OGS-9349-A-Tx, \$12.5**

**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.

**OGS-9343-A-Tx, \$56**

**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.

**OGS-9346-A-Tx, \$17.5**

**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# (bundle of 5) and 50# (bundle of 3) sizes have punched airholes.

**OGS-9236, 5# - 5 \$3 / 20# - 5 \$3.5 / 50# - 3 \$3.5**

**Sisal Garden Twine 3000':** 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.

**OGS-8866-A, \$50.5**

**Tomato Twine 6300ft with belt loop (1 box):** Quality white twine, box has a belt loop. 6,300 ft

**PG-4298, \$10.5**

**Wooden Produce Basket - 3:** Old-time wooden lath and wire half-bushel baskets. Classic and effective. Fedco sells hundreds every year at the Common Ground Fair (pandemic years excepted). Also comes in bushel, peck and half-peck sizes. 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.

**OGS-9336, 1/2 Peck \$16 / Peck \$17 / 1/2 Bushel \$17 / Bushel \$21.5**

## Tools & Knives . . . . .

**\*\*\*New Felco Trip & Pick Snips #322:** Slim sharp shears for seriously snappy snips! Per Fedco's OGS coordinator, Renee, "this style is indispensable on the farm—it is the go-to pruner for most any garden tending task." The blades are straight with slightly rounded tips, which prevents damage in fruiting and vining crops, herbs and flowers, and anything else you must weave your way into. Blades are carbon steel with chromium coating to stop corrosion. The sap groove mitigates buildup and provide consistently smooth cutting. The stainless steel spring mechanism makes for ergonomic handling, as do the shock absorbers. Don't mess around with cheaper look-alikes—invest in Felco-made tools. Weighs in at a mere ¼ pound. Overall tool length 7½".

**OGS-9027-A, \$19.5**

**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 4¾" long in bright yellow plastic for good visibility in the weeds.

**OGS-8899-A, \$6.5**

**Earth Staples:** The garden seems full of rocks until you need one to anchor the row cover. Steel wire staples neatly hold down landscape fabric, row covers, irrigation line or fencing.

We've always carried the 6" size, but these 9" staples are NEW! in response to growers requesting the extra length for better holding power in looser soils.

**OGS-8884, 6"-25 \$4.5 / 9"-25 \$11.5 / 6"-100 \$18.5 / 9"-100 \$47.5 / 6"-1000 \$100 / 9"-1000 \$283.5**

**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.

**OGS-9016-A-Tx, \$19.5**

**Felco #310 Harvest Shears:** Fruit and vegetable harvesting shear, lightweight with a narrow needle-nose 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.

**OGS-9019-A-Tx, \$20.5**

**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.

**OGS-9013, Right-Handed \$64 / Left-Handed \$64**

**Fiskars Pole Fruit Picker:** Finally, a high-quality pole picker that doesn't puncture or damage fruit! We're thrilled to offer this sturdy yet lightweight tool with its well-designed head with patented tabs that gently procure fruit and catch it into a mesh bag. Suitable for practically all shapes and sizes of fruit, from crabapples to papayas. The angle of the head is adjustable, and the mesh bag is machine washable. We also find the telescoping design on the fiberglass handle to be superior to other models; it employs an intuitive double-locking mechanism for a secure setting—no more guessing which way to turn the tightening knob. Endorsed by the folks at Out on a Limb Apple CSA. Extends from 6'8" to 11'8" to pick those pears way up high. Comes with a full lifetime warranty. NEW!

**OGS-8997-A, \$61.5**

**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): 2¼" stainless steel blade; 3½" alloy-lined nylon handle with satin finish; overall length: 6½"; manufactured in Switzerland. B (left-handed): 2¼" carbon steel blade; 4⅞" 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.

**OGS-8990, Right-Handed \$25.5 / Left-Handed \$33**

**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.

**OGS-8908-A-Tx, \$37.5**

**Soil Thermometer:** Bi-metal spring with 1½" 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°.

**OGS-9088-A, \$13**

**Stirrup Hoe - 5"**: 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 1¼ 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.  
**OGS-8892-A, \$75**

**Stirrup Hoe - 7"**: 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. This sturdy version from Fedco combines a head manufactured by a New York farmer with a handle made in Tennessee from ash, embossed with the Fedco logo. 7" wide blades are sharpenable and replaceable. Handle is 1¼ x 60" and the overall tool length is 66". Also available in 5" wide, this 7" size is NEW!  
**OGS-8891-A, \$77**

**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).  
**OGS-8871-A-Tx, \$87**

**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.

Baystate Organic Certification Note:  
Prohibited for organic use Note from  
Baystate Organic Certifiers: Not allowed in  
organic fields (per Baystate Organic  
Certifiers)

**OGS-9292, 25 \$5.5 / 250 \$55.5**

**Untreated Field Stakes 100ct:** 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. 18 x 1½ x ¼". Made in Maine.  
**OGS-9298-B, \$52**

**Untreated Field Stakes 25ct:** 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. 18 x 1½ x ¼". Made in Maine.  
**OGS-9298-A, \$13**

**Untreated Garden 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. 18x1¼x½". Made in Maine.  
**OGS-9298, 25 \$4.5 / 250 \$49**

# 2023 NOFA Tri-State Bulk Order Form

Please print neatly



Name \_\_\_\_\_

NOFA Member Name (if different from above) \_\_\_\_\_

NOFA State Chapter \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Can you help sort orders (mid-delivery week) or distribute at your site on Saturday?

Yes, I am available these days: \_\_\_\_\_

Sorry, not available.

Please make checks payable to NOFA/Mass post-dated on or before 2/3/23, and mail to NOFA/Mass, ATTN: Bulk Order, PO Box 60043, Florence, MA 01062

To order online please visit <http://www.nofabulkorder.org/>

**Circle Your Pickup Site:**

Belchertown, MA  
 Charlestown, RI  
 Dalton, MA  
 Oakham, MA  
 Seekonk, MA  
 Sherborn, MA  
 Springfield, MA  
 Wallingford, CT  
 West Wareham, MA

**Pickup Days for most sites\*:** March 11 (all items except tubers & onions) & April 15 (tubers & onions)

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

Quantity	Item #	Item Size	Item Name	Item Price	Total
<i>Need more space? Use page 2!</i>					<b>Page 2 Total</b>
<b>SUBTOTAL</b>					
<b>Member Discount:</b> If you are an active NOFA member deduct 10% from your subtotal					
<b>Discount</b> (of subtotal) if above \$500. Above \$500, subtotal x .02 • Above \$1,000, subtotal x .03 • Above \$2,500, subtotal x .04					
<b>MA residents ONLY, calculate sales tax</b> on item #s ending in "-Tx" Under \$500, taxed total x .0625 • Over \$500, apply discount, then subtotal x .0625					
<b>Delivery cost</b> for full pallets and drop ship: contact Bulk Order Coordinator to determine price.					
<b>GRAND TOTAL</b>					

