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# Sustainable Ag Spring 2018 Pricing

This catalog is a product guide for our farming, homesteading, and avid gardening customers. It does not, however, offer a complete listing of all products available in our store. We are a full service feed and farm supply store and carry much more than what can be printed in this catalog! Fencing prices and seed prices can be found on separate sections of our website. For other product information and/or pricing, please don't hesitate to call or email us. Also, we try our best to keep prices current in this catalog, but it is possible that some prices may occasionally change before updates are made to the catalog.

**Bulk Pricing:** In general, a 5% discount is offered when buying minimum quantities of 10 at a time. Soil amendments and potting mixes can be mixed and matched to reach the 10 bag minimum for the 5% discount. Additional discounts are also typically available for ton purchases. Please inquire for ton pricing.

**A Special Note to Our Organic Certified Customers or Those Seeking Certification:**

Although all of the products in this catalog contain natural ingredients, that does not always mean they have been approved by a certifying agency. Please use caution when choosing inputs for your farm, and when in doubt, ask your certifier. If you are interested in certification but do not have a certifier yet, we recommend contacting Carolina Farm Stewardship Association. CFSA offers a free consulting service to help growers navigate through the world of getting certified. For more information, consult <http://www.carolinafarmstewards.org>.

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We're constantly expanding to provide the supplies you need to grow food naturally and nutritiously. If you don't see the items you are looking for, check with us and we'll try to get them!

## Multi Purpose Fertilizers

**Alfalfa Meal OG (3-2-2+minerals) 50lb. Nat'l List** – Slow release soil conditioner; increases microbial activity; 1/2 oz. Per 1" potted plant, 2.5lbs./100 sq. ft. in gardens

**\$8.00 / 10 lb. bag      \$25.95 / 50lb bag      \$24.65 / 10+ Bags**

**Harmony Ag Organic Fertilizer (5-4-3) 50lb. OMRI** – Slow release; made from all natural poultry manure; 1% water sol. N, 4% water insol. N, 4% P<sub>2</sub>O<sub>3</sub>, 3% K<sub>2</sub>O, 9% calcium, .08% magnesium, 0.2% iron. We keep several ton pallets of bagged Harmony in stock, but we do not stock ton totes at this time. Totes are special ordered when we pull in our truckloads of Harmony. Join our email newsletter to stay posted on when these orders happen!

**\$18.80 / bag      \$17.86 / 10+ Bags      \$650 / ton**

### **Foxfarm's Happy Frog Fruit & Flower (5-8-4)**

This tomato and vegetable formula contains premium ingredients like bat guano, kelp meal, bone meal, feather meal, and beneficial microbes. Foxfarm is one of the only product lines we've seen to provide guaranteed analysis on microbial colonies and concentrations. We have used this product on both raised beds here and on home gardens with remarkable success and give the Foxfarm line a solid green thumbs up! Foxfarm recommends feeding monthly through harvest time, 1/2 cup for every 2 feet of plant height.

**\$29.99 / 18 lb. bag      \$9.99 / 4 lb. Bag**

### **Foxfarm's Happy Frog Tomato & Vegetable (7-4-5)**

This tomato and vegetable formula contains premium ingredients like bat guano, kelp meal, alfalfa meal, fish meal, and naturally occurring organic material. Foxfarm is one of the only product lines we've seen to provide guaranteed analysis on microbial colonies and concentrations. We have used this product on both raised beds here and on home gardens with remarkable success and give the Foxfarm line a solid green thumbs up! Foxfarm recommends feeding monthly through harvest time, 2-3 cups per 10 sq' depending on crop. There are recommended rates per crop on the bag.

**\$29.99 / 18 lb. bag      \$9.99 / 4 lb. Bag**

### **Thorvin Kelp Minerals for Plants & Animals (1-0-2) 50lb. OMRI**

Slow release; improves soil texture & fertility; 10-20lb./1000 sq.ft., 400-800lb./acre

**\$19.95 / 10 lb. bag      \$68.00 / 50lb. Bag      \$64.60 / 10+ Bags**

### **NEW!! North American Kelp Meal for Plants & Animals 50lb. Nat'l List**

This kelp is a lower cost solution to Thorvin Kelp who's price keeps climbing! It is NOP listed as a soil amendment and USDA Organic Certified as an animal supplement. This seaweed is harvested from the cold, clean waters of the Maine Coast. Thorvin Kelp comes from Iceland, so this US alternative is closer to home, and thus, more affordable. Applications rates would be the same as above.

**\$57.95 / 50lb. Bag      \$55.05 / 10+ Bags**

### **COMING SOON!! Neem Seed Meal by GreenNeem (4-3-1.5) 44lb. OMRI**

Great Vegan fertilizer option! Made from neem cakes that were pressed for neem oil extraction. Neem meal is both a fertilizer and a pest repellent. The high Azadirachtin content (800-900 ppm) can protect crops against a wide variety of parasitic nematodes. Mixes well with other fertilizers. 1lb per 100 sq' or 220-350lbs. / acre. If you are interested in this, let us know! We are still figuring out how much to stock!

**\$42 / bag**

## Nitrogen Sources

**Blood Meal from Poultry or Porcine (12-0-0)** 50lb. Nat'l List– Repels vermin; heats up compost; side dress veggies at 2lb./100 ft. row or 300-500lb/acre

**\$14.95 / 10 lb. bag      \$54.00 / 50lb. bag      \$51.30 / 10+ Bags**

**Feather Meal** 50lb. Nat'l List – Slow release w/ low water solubility; nitrogen becomes available through microbial activity; 200-250lb per acre. The feather meal we purchase is typically sold as a feed additive and as such, does not have an N-P-K posted on it. The most recent waste analysis we ran on a feather meal batch was a 14-0-0. Feather meal typically runs 12-13% nitrogen, so we recommend using this figure when making calculations for your crops. This feather meal has not been OMRI listed, however, we have worked with several certified growers and have supplied paperwork to get this feather meal on the list of organic approved inputs with some of the commonly used certifying agencies. We bring in our feather meal in bulk from Tyson's rendering plant in Harmony, NC and bag it ourselves to keep down costs. We keep 50lb. bags in stock, but on bagging days, you can buy by the pound at an additional savings by bringing your own containers. Join our newsletter to stay tuned on our next bagging day!

**\$28.95 / bag      \$25.95 / 10+ Bags**

**Sodium Nitrate AllGanic (15-0-2+minerals)** 50lb. OMRI– Pelletized, fast acting, natural fertilizer from bat guano; Apply no higher than 100-150lb. per acre for heavy feeding vegetables. Do not apply close to plant stems; product may burn. This is the same great product as the 16-0-0 we've always carried, but the analysis changed slightly so it no longer has to be shipped Hazmat.

**\$35.95 / bag      \$34.15 / 10+ Bags**

## Phosphorous Sources

**Bone Meal, steamed (2-14-0)** 50lb. OMRI – Starter fertilizer for immediate phosphorous w/ 30% calcium; 2-3lb/100 ft. row or 400-600lb/acre

**\$10.00 / 10lb. bag      \$36.50 / bag      \$34.68 / 10+ Bags**

**Calphos Granular or Powder(0-3-0)** 50lb.OMRI – Naturally occurring soft phosphate w/ calcium & trace minerals; 3% available (and min. 20% total) P<sub>2</sub>O<sub>5</sub>; min. 20% Calcium. (Colloidal phosphate)

**\$15.75 / bag      \$14.96 / 10+ Bags**

### **Foxfarm's Happy Frog Bat Guano (0-5-0)**

High phosphorous bat guano with active microbes. Bat guano is especially good for spectacular flowers and multiple bud development. 2-3 cups per 10 sq'. Top dress early spring and once in late fall or at the first sign of bud development.

**\$11.99 / 4lb bag**

**Rock Phosphate Ida-GroPlt. (0-3-0)** 50lb. OMRI– 20% total phosphate, 6-8% available P<sub>2</sub>O<sub>5</sub>, 23% calcium; Soil biology speeds release; 300-500lb/acre yearly

**\$16.50 / bag      \$15.68 / 10+ Bags**

**Tennessee Brown Phosphate (0-6-0) 50lb.** OMRI– 23% total phosphate, 6% available. Not a colloidal nor hard rock but rather a unique reactive rock source of natural phosphate derived from washing piles left from mining high grade ore to make Triple Super Phosphate. Great for side dressing rows but too fine for cyclone spreaders. If mechanically spreading, use the rock phosphate pellet instead.  
**\$13.00 / bag \$12.35 / 10+ Bags**

## Potassium Sources

**Potassium Sulfate Granular (0-0-50-Sulfur 17%) 50lb.** OMRI –  
**Use with alkaline soils – will lower pH** Naturally occurring, mined product. This is a soluble SOP for crop production. It is best to apply according to your soil test or crop requirements.  
**\$14.00 / 10 lb. Bag \$45.50 / 50lb. Bag \$43.22 / 10+ Bags**

**AllganicPotassium Sulfate Soluble (0-0-52-Sulfur 18%) 50lb.** OMRI –  
**Use with alkaline soils – will lower pH** Suitable for using in drip irrigation systems or for float-irrigation. Naturally occurring, mined product; 1lb/1000 sq. ft.  
**\$38.00 / Bag \$36.10 / 10+ Bags**

**NEW!! Sunflower Hull Ash Soluble Powder (0-4-34) 50lb.** OMRI –  
**Use with acidic soils – will raise pH** Soluble potassium from an unmined, renewable source. It's high pH (~10) will increase pH in acidic soils. The potassium source also includes 8% calcium, 4% sulfur, 4% magnesium, .05% boron, 0.11% iron, 0.11% sodium, 335 ppm zinc, 165 ppm manganese, 4.5 ppm molybdenum, 1 ppm cobalt. Screened at 100 mesh.  
**\$43.50 / Bag \$41.32 / 10+ Bags**

## Liming Sources

**Hi-Cal Lime 50lb.** Nat'l List – 100% pulverized limestone; superior to dolomitic lime when soil is already high in magnesium; 38% elemental calcium; 95% calcium carbonate; 50 lb/1000 sq. feet or 1 ton/acre  
**\$6.95 / bag \$6.60 / 10+ Bags**

**NEW!! Calcium Carbonate Pellet 50lb.** – Superior to dolomitic lime when soil is already high in magnesium and in a convenient pellet for broadcasting with a spreader.  
**\$5.95 / bag \$5.60 / 10+ Bags \$5.35 / Pallet (56 bags/pallet)**

**Hi-Cal Lime Pelletized SuperCal 98G 50lb.** OMRI– Pelletized limestone, high in calcium and less than 0.5% Mg. Elemental calcium is 38%. Calcium carbonate equivalent is 95%. Apply one ton/acre or 50lb./1000 sq. ft.  
**\$13.50 / bag \$12.83 / 10+ Bags**

## *Micronutrients, Minerals, and Soil Conditioners*

**Azomite Granular or Micronized 44lb OMRI** - Naturally mined, volcanic material w/ 66+ minerals & trace elements to improve depleted soils and assist in plant nutrition & growth. Field crops: 250lb/acre followed by 100lb/acre annually. Vegetables & Flowers: 5lb/100 sq. ft. Grapes, Roses & Shrubs: 0.5-1lb. lightly tilled around plant.

**\$20.95 / bag                      \$19.90 / 10+ Bags**

**Boron 10% Pelleted 50lb OMRI** – Derived from Sodium Calcium Borate, non-acid forming, product of Chile; side dress plants or broadcast across the garden. Apply in the concentration indicated by your soil test.

**\$8.00 / 5 lb. bag      \$32.00 / 50lb. Bag                      \$30.40 / 10+ Bags**

**Celebrity Dirt, Biochar Soil Amendment 5 gallon bucket** – Made in Silk Hope! A 50/50 blend of Certified Organic Brooks Compost and Biochar made from pine sawdust. Celebrity Dirt has been aged and enriched with worm castings. Apply at the rate of 2%-5% by volume to soil (1/8" to 1/4") and incorporate to 6" deep. Approximate pH of blend is 8. Full nutrient profile available on containers of Celebrity Dirt.

**\$30.00 / 5 Gallon Bucket** Check with us before coming – We've had some availability issues.

**NEW!! Greensand (0-0-1.4) 50lb. OMRI**

You probably know by now that the North American greensand mine has been closed for quite some time. This Greensand is coming from Russia. It is lower in potassium than the North American greensand you may have used in the past. However, it is a great source of micronutrients and especially silica. Magnesium 0.5%, Iron 3.7%, Molybdenum 0.01%, Glauconite 37%, Quartz 40%, Mica 4%, Feldspar 8%, Zeolite 4%, Chlorite 1%, Silicon Dioxide 65.7%

**\$35.00 / 50lb. Bag                      \$33.25 / 10+ Bags**

**Gypsum Ida Gro Pelletized OMRI 50lb.** - Improves structure of heavy clay soils; 22% calcium oxide; 14-15% sulfur (no effect on pH) 12-50lb/1000 sq. ft. or 300-500lb/acre

**\$16.00 / bag \$15.20 / 10+ Bags**

**Humic DG OMRI 40lb.** –This granular Humic acid is a natural soil conditioner than acts as an organic chelator and microbial stimulator. It includes a high concentration of trace minerals and organic acids and enhances the plant's ability to take in essential nutrients and improve soil structure. Proven benefits of humic acid include increasing soil carbon, improving plant health, improving germination and viability of seeds, stimulating beneficial microbes, chelating nutrients to increase availability to plant, and improving soil structure for better aeration and water movement. Row crops apply at 4-10lbs. per acre. Broadcast at 40lbs. per acre. Potting soils mix 2-10lb.s per cubic yard.

**\$7.50 / 5lb. bag                      \$44.00 / 40lb. bag                      \$41.80 / 10+ Bags**

**Magnesium Sulfate (Epsom Salt) 50lb. OMRI** Mg 9.8%, S 12.9%. Quick acting Mg& S fertilizer. Can be used as a foliar application and mixed w/ pesticides or liquid fertilizers. Apply up to 100lb./acre but not side dressed or broadcast.

**\$21.99 / bag                      \$20.89 / 10+ Bags**

**Magnesium Sulfate (Epsom Salt) by Monterrey 4lb. OMRI** Mg 9.8%, S 12.9%. Quick acting Mg& S fertilizer. Can be used as a foliar application and mixed w/ pesticides or liquid fertilizers. Apply up to 100lb./acre but not side dressed or broadcast.

**\$12.99 / jug**

**Elemental Sulfur 90% 50lb Tiger Brand OMRI** - Lowers pH w/o potential aluminum sulfate toxicity; great for blueberries. 10lb/1000 sq. ft. or 400lb/acre to lower pH 1 point

**\$9.95 / 10 lb. bag**

**\$22.50 / 50lb. Bag**

**\$21.38 / 10+ Bags**

## *Biological Amendments*

**Bokashi** is a naturally fermented product consisting of three groups of microbes – yeast, photosynthetic bacteria, and lactic acid bacteria that have been inoculated on organic rice bran. Bokashi can be sprinkled on food scraps in a closed container to convert food waste into inoculated nutrients for your soil in just a couple of weeks. This is great solution for a small scale gardener and is much more efficient than traditional composting.

**\$12.00 / 2 lb. Bag    \$18.00 / 5 lb. Bag**

**EM-1** is a specific blend of microorganisms created through fermentation that originated in Japan and has been used across the world for nearly 30 years. These microbes can be used to improve the fertility and health of nearly anything - from vegetable crops, to orchards, lawns, and ornamentals. These microbes not only improve grow rates of plants but they are also an effective disease prevention. EM-1 is even great to spray on a compost heap to activate decomposition, and it can be flushed down toilets to help with septic systems. It is extremely concentrated and can be diluted at a rate of 1 ounce per gallon of water or it can be brewed in a compost tea to make even larger quantities.

**\$35.00 / 32 oz.    \$75.00 / gallon**

**We also now have EM-1 for people. Ask Melinda about it. She takes it daily! \$41/ 16oz**

**Endomycorrhizal Inoculant (BEI) from BioOrganics OMRI** – Blend of eight types of endospores; 50 spores/cm<sup>3</sup>; use as inoculant for veggies, grapes, fruit trees, berries & flowers by dusting roots, blending into potting soils, or working into soil before seeding; 2-3lb/acre or dust 1/2 tsp./transplant; 3lb treats 1500 veggie transplants

**\$43.95 / 1.5 lb. jar**

**Pfeiffer BD Compost Starter 1 oz. Nat'l List** – Beneficial bacteria, fungi, actinomycetes, biodynamic preparations, enzyme base & organic substrates; speeds decomposition; 1 oz treats 1 ton

**\$12.00 / 1 oz.**

**WormGanic Worm Castings 1 cu. ft. bag** - These castings are derived from worms fed an organic corn silage diet on peat moss bedding. High in organic matter, worm castings will enhance any soil or soilless media with increased water holding capacity, increased biological activity and improved soil structure. This particular 'vegetarian' worm casting product does not contain any animal manure, and as such, does not have the same micronutrient levels as former manure-based castings we've offered. If you have specific micronutrient needs, we recommend blending in some powdered Azomite, Kelp meal, Alfalfa meal or other liquid fertility amendments to make up the difference.

For lawn treatments, use 1 bag (1 cu. ft) per 1000 sq. ft.

**\$11.99 / 1 cubic foot bag**

## Liquid Fertilizers

**Alaska Fish Fertilizer (5-1-1)** 1 Gal OMRI - Stimulates soil's micro-organisms to help build soil content

**\$19.99 / 1 gallon**

**Brown's Fish Fertilizer (2-3-1)** OMRI Produced in Western North Carolina as a byproduct of a freshwater trout farm. Brown's is a fish hydrolysate and is produced using a cold process so that it contains all the nutrients, vitamins, enzymes and natural growth hormones. It is filtered down to 120 mesh and can be used in drip line systems. Phosphoric acid is used as a pH stabilizer and as a source of phosphorus that plants need. **General Application Rate:** 2 Tbsp per gallon water every 2-3 weeks. or 2-3 gallons per acre four times during the growing season.

**\$16.25 / 1 gallon**

**\$62.00 / 5 gallon**

**Fish & Poop - Monterey Liquid Fish and Guano Fertilizer (9-6-2)** 1 quart concentrate makes 64 gallons; treats approximately 4,000 ft. sq. Derived from fish solubles, seabird guano and other ingredients. Use as a foliar spray or a liquid drench to supply crops with balanced nutrition throughout the growing season.

**\$9.99 / 32 oz**

**\$28.99 / gal**

**Fox Farm's Big Bloom Liquid Plant Food (0-0.5-0.7)** Micro-brewed formula with earthworm castings, bat guano, Norwegian kelp, and rock phosphate. Foliar feed with every other watering for boosting fruit and flowering or drench roots to perk up struggling plants. ½ oz. per gallon for seedlings and transplants. 2 oz per gallon for general feeding.

**\$12.99 / 32 oz**

**Lady Bug Naturals John's Recipe Fertilizer (3-1.5-2)** – This liquid fertilizer is a more complete blend than anything else I've found on the market, both fertilizing the plant and feeding the soil microbes. **John's Recipe™** is a blend of seaweed, Medina Soil Activator (to stimulate microbial activity), humic acid, and molasses, along with emulsified and hydrolyzed fish. Feed as a foliar spray or soil drench. A quart makes 32 gallons; a gallon makes 128 gallons.

**\$9.99 / 32 oz**

**\$24.99 / 1 gal**

**Maxicrop Soluble Seaweed Powder (1-0-4)** concentrate OMRI – Seaweed is high in minerals increasing the health and vigor of plants. Maxicrop can be foliar sprayed, watered in, or used in a drip system. Helps with transplant shock, frost protection, and as a pest inhibitor. 53.5 oz makes 5 gallons, 10.7 oz. makes 1 gallon

**\$46.95 / 53.5 oz. container**

**\$15.95 / 10.7oz. container**

**Medina HastaGro Plant (6-12-6)** – A natural plant and microbial food ideal for drip irrigation. Can also be foliar fed. Contains high-quality N-P-K plant food complexed with humic and fulvic acids, Medina Soil Activator to stimulate biological activity, and seaweed extracts and sugars to stimulate fruiting and blooming. Nitrogen is derived from clean urea sources.

**\$19.99 / 1 gal**

**Available by special order in 5 gallon**

**Medina Horticultural Molasses Soil Stimulator 1 gal** – Liquid molasses great for composting teas or mixing with your other liquid fertilizers to feed soil microbes.

**\$8.99 / 1 gal**

**Neptune's Harvest (2-3-1) Fish & Seaweed Fertilizer OMRI** -builds the natural sugar in plants; Increases marketable yields and improved shelf life on fruits and vegetables; flowers and foliage will be stronger and more colorful, blooms more plentiful, fragrant and long lasting.

**General Application Rate:** 1 oz. per gallon water if foliar feeding, 2 oz. per gallon water if feeding through drip irrigation

**\$17.99 / 1 quart    \$39.99 / 1 gallon    \$80.00 / 5 gallon    55 gal ask for details**

**True Organics (4-1-3) Fish Fertilizer OMRI** –A fish and molasses blend uniquely formulated for organic fruit and vegetable production, this is the stuff used by many of the large scale commercial organic growers in California. As a liquid fertilizer, True has an edge over other fish fertilizers in its ability to maintain an even consistency rather than clumping or settling. It looks like coffee and runs through a drip system cleaner than the other fish products. Recommended rate is similar to Neptunes Harvest. We sell True in bulk out of a 275 gallon tote and offer increasing discounts depending on the quantity you buy. Bring your own container or buy a container from us. We sell 5 gallon containers with spouts for \$4.99 and 55 gallon barrels for \$15.00.

**\$15/gal (1-4)    \$13/gal (5-9)    \$12/gal (10-29)    \$10/gal (30+)**

## *Pest & Disease Management*

**Ant Control by Monterey OMRI** 2.5 pounds granular bait. ½# treats 1,000 ft. sq. OR 1 tsp. treats 1 yd. sq. Active ingredients\_ Iron phosphate & Spinosad. Use around vegetables, fruit trees, citrus, berries, ornamentals, shrubs, flowers, trees, lawns, gardens and greenhouses to control ant and slug damage.

**\$23.99 / 2.5 pounds**

**NEW!! Actinovate 2 oz OMRI –**

**Best for broad spectrum fungal & bacterial pests as a spray or drench**

Very high concentration of beneficial bacterium (*Streptomyces lydicus* strain WYEC 108) in a soluble powder. Spray for powdery and downey mildews, botrytis, *Alternaria*, and other airborne pathogens. Use as a soil drench for root decay diseases and fungi. Actinovate microbes colonize around the root system and secrete antifungal byproducts which create a defense barrier against soil borne pathogens. 1-2 tsp treats approximately 1000 sq'

**\$20.00 / 2 oz**

**NEW!! AzaGuard 3% Insect Growth Regulator insecticide /Nematicide OMRI –**

**Best for broad spectrum larval insect control, especially leafminers, whiteflies, and aphids**

3% Azadirachtin – active ingredient derived from neem seed extracts. AzaGuard has multiple modes of action and prevents molting between larval, pupal and nymphal stages, and also repels insects on treated crops, reducing insect damage to plants. AzaGuard controls more than 300 different insect species both in greenhouse and field applications. Tank mix AzaGuard to control all stages of insect life.

**\$145.00 / 32 oz**

**NEW!! Badge X2 Fungicide/Bactericide for Agricultural Use OMRI –**

**Best for broad spectrum fungal and bacterial pests – quick acting and long lasting – spray in the evening to avoid phototoxicity**

Dry flowable copper hydroxide and copper oxychloride. The combination of two copper compounds in this product work together for both quick release disease protection and extended residual control. Copper hydroxide is the quicker acting copper while copper oxychloride releases more slowly. Excellent wash-off resistance for best protection possible during and after rains. We began carrying this product after passionate customer feedback. Application rates vary based on crop. Label has very specific rates for various field crops, vines, fruit trees, ornamentals, and greenhouse production.

**\$95.00 / 10 lb**



**B.T. (Bacillus thuringiensis) Dipel DF and Javelin WG OMRI –**

**Best for caterpillars**

Kills leaf-eating caterpillars by paralyzing the digestive system; death in two days; harmless to beneficials, animals & humans; comes as a soluble granule to be used as a spray.

**\$16.95 / 1 lb. Bag                      \$75.00 / 5 lb. Bag**

**B.T. (Bacillus thuringiensis) Liquid Concentrate by Monterey OMRI –**

Same active ingredient as above but in a easy to mix liquid concentrate. Mix 1.5 ounces per 3 gallons of water for fruits and vegetables and 2 ounces per 3 gallons of water for stubborn bagworms, other worms and caterpillars on shade trees and ornamentals.

**\$11.99 / RTU                      \$11.99 / 16 oz                      \$21.99 / 32 oz**

**NEW!! BioCeres WP (Same active as Mycotrol) OMRI – Available by special order**

**Best for biological, early prevention of a broad spectrum of insects**

A bio-insecticide using the new Beauveria bassiana fungus. Used for biological control of numerous pests including whiteflies, aphids, and thrips by adhering to the insects and growing into their bodies, causing death. Best to apply preventatively before insect populations grow too large. First application may take 5-7 days to show effectiveness. 1-3 lbs. in 50 gal of water treats 1 acre.

**\$95.00 / 1 lb                      Must be special ordered due to short shelf life**

**BioSafe's Oxidate OMRI –**

**Best for broad spectrum bactericide / fungicide. Spray in evening to avoid phototoxicity.**

A broad spectrum bactericide/fungicide formulated for disease control on fruit, nut, and vegetable crops. The 32 oz. size has a spray nozzle ready to attach to a garden hose and is labeled as "BioSafe Disease Control Concentrate RTS". If used in a backpack sprayer, dilute 1:150 parts water. A few year's ago, Oxidate was the only option for concentrated hydrogen peroxide. Now, BioSafe has different labels for different uses. Oxidate is now labeled for field use; Zeritol is labeled for greenhouse operations, and Sanidate is labeled for post harvest sanitation. At this time we have chosen to stock Oxidate and Sanidate and can special order Zeritol.

**\$19.00 / 32 oz                      \$110.00 / 2.5 gallon – Clearance**

**We plan to liquidate the 2.5 gallon Oxidate and then bring in the new 1 gal size.**

**NEW!! BioSafe's Sanidate OMRI –**

**Best for post harvest sanitation. GAP approved!**

A broad spectrum bactericide/fungicide approved for disease control in greenhouse surfaces and equipment and also post harvest sterilization and food prep.

**\$22.95 / RTU gallon                      \$87.00 / 2.5 gal**

**Bug Buster-O by Monterey OMRI 8 fl. oz.**

**Best for broad spectrum insect control – Spray in evening to avoid pollinators**

Active ingredient is 1.4% PyGanic - pyrethrin is a botanical insecticide derived from chrysanthemums. concentrate makes approximately 6 gallons; treats 6,000 ft. sq. Same product as 1.4% Pyganic, but in a more cost effective size for smaller applications. Most effective control achieved when used at first sighting of pests. Mix only what you need to treat effected area and use personal protective equipment when spraying. Broad spectrum insecticide for over 100 pests\_ avoid use around **Honeybees & water sources containing fish.**

**\$29.99 / 8 oz**

**Come & Get It Fire Ant Killer 1 lb. – Bait w/ an active ingredient of granular spinosad**

**\$14.99 / bag**

**NEW!! Complete Disease Control Concentrate by Monterey OMRI –**

**Best for broad spectrum prevention of soil and air borne fungal and bacterial disease**

Same active as Certis's Double Nickel, *Bacillus amyloliquifaciens*. This beneficial bacterium colonizes roots, leaves, and other plant surfaces preventing many fungal and bacterial diseases from establishing a home. Use as a foliar spray or soil drench. Application rates will vary – see label for details.

**\$12.99 RTU                      \$10.99 8 oz                      \$12.99 32 oz.**

**Cueva Copper Fungicide OMRI –**

**Best for broad spectrum control of bacterial disorders, mildews, and fungal issues. Spray in the evening to avoid phototoxicity.**

Copper octanoate 10%, 0.5 – 2 oz per gallon

**\$115.00 / 2.5 gallon**

**Deer Repellent by I Must Garden 32oz Concentrate –** All natural plant-based deer repellent made in Chapel Hill. 100% money back guarantee from the manufacturer if not fully satisfied; also available in RTU sizes.

**\$37.99 / 32 oz concentrate                      \$26.99 / 1 gallon RTU**

**Deer & Rabbit Repellent by Plantskydd 1lb Soluble Powder OMRI –** Awful smell but extremely effective and long-lasting! Primarily made of blood meal, this product repels deer and small critters by triggering odors that animals associate with predator activity; will last 3-4 months in the summer.

**\$24.99 / 1 lb.**

**Diatomaceous Earth Feed Grade 40lb. OMRI –** Use outdoor on slugs, ants, grasshoppers, crickets; indoor use on cockroaches, silverfish, carpet beetles, bedbugs, ants & fleas. Mix with feed to keep it fresh longer at rate of 1 bag per ton.

**\$12.99 / 6 lb. shaker can                      \$19.99 / 40 lb. Bag**

**NEW!! EcoShield by HOMS 64oz OMRI**

Botanical Insect Control. Use in vegetable gardens, lawns, berry bushes, and on ornamentals. Quickly kills most agricultural insect pests including mites, aphids, leaf beetles, caterpillars, ants, as well as lawn pests such as ticks, mosquitoes, fleas. Made from organic plant oils from farms in the Southeast. Not a systemic pesticide and safer for use around pollinators. OMRI listed for botanical insect control on animals and livestock.

**\$24.99 / 64 oz concentrate                      Also available by special order in larger sizes**

**Fruit Tree Spray Plus by Monterey OMRI**

**Best for pest, fungus, and mite control Spray in evening to avoid pollinators and phototoxicity.**

1 pint concentrate makes 16 gallons. Broad spectrum insecticide, fungicide and miticide. Active ingredients include Pyrethrins and Neem. Effective for treating pests on fruit & nut trees, ornamentals, shrubs, flowers and vegetables. Can be used up to the day of harvest.

**\$16.99 / 16 oz**

**NEW SIZES!! Horticultural Oil by Monterey OMRI**

**Best for early season broad spectrum pest control.**

80% mineral oil – This is the same product as the agricultural sized TriTek by Brandt but in smaller packaging. If you need the TriTek size, we can special order. 1 quart concentrate makes 12-25 gallons spray. Average application rates: Vegetables, fruits & ornamentals = 1-2 gallons; Mature fruit tree = 3-4 gallons; Citrus trees = 8-15 gallons. Effective for smothering adults, larvae and eggs of aphids, mites, scales, whiteflies and other soft-bodied insect pests. For dormant and growing season. Mixes well with other pest controls. Toxic to fish; use caution when applying to avoid runoff and/or drift to sensitive areas.

**\$7.99 / 16 oz                      11.99 / 32 oz                      28.99 / gal**

**Insect Killing Soap Concentrate by Safer** 16 oz. OMRI; makes 6 gallons –

**Best for control of small, soft bodied insects.**

A natural insecticide, fungicide, and miticide made from 49% potassium salts of fatty acids. Kills a wide variety of insect pests, yet it can be used up to the day of harvest! 2.5 oz/ gallon. Also available in RTU quart bottle

**\$10.99 / 16 oz**

**CLEARANCE!! Insect Killing Soap Concentrate, M-Pede** 2.5 gal. OMRI Same as above but in a larger size for commercial production.

**\$84.95 / 2.5 gal**

**NEW!! Insect Killing Soap Concentrate, DES-X** 2.5 gal. OMRI Same as above but in a larger size for commercial production.

**\$84.95 / 2.5 gal**

**Neem Oil Concentrate by Monterrey** OMRI –

**Best for broad spectrum pest, fungus, and mite control. Concentrate spraying in the evenings to avoid pollinators and phototoxicity.**

70% neem oil broad spectrum insecticide, fungicide, miticide, repellent & insect growth regulator; gentle on beneficials

**\$19.99 / 16 oz      Now also comes in a 32 oz. ready to use bottle for \$9.99**

**Neem Oil Concentrate by Trilogy** OMRI – Like product above but larger for commercial production.

**\$122.00 / 2.5 gal**

**Orange Oil Concentrate by Medina** – This product does not have a pest label, but orange oil has been known for generations to be a natural pest control, most especially effective on fire ants. This product is much more concentrated than other orange oil products on the market, such as Orange Guard. As a foliar spray, mix 2 ounces per gallon of water, and as a soil drench, mix 4 ounces per gallon. Orange oil also works great as a natural cleaning solution!

**\$13.99 / 32 oz**

**NEW!! Potassium Bicarbonate- Bi-Carb Old Fashioned Fungicide, Monterey** OMRI

**Best for powdery mildew**

Potassium bicarbonate soluble powder for control of powdery mildew on roses, vegetables, grapes, fruit trees, and ornamentals. One 4 oz. bottle will make 12 gallons of spray

**\$9.99 / 4 oz bottle**

**NEW!! Potassium Bicarbonate – MilStop - OMRI –**

**Best for powdery mildew**

Similar to above product but in a size for commercial production. 1 Tbsp/gal per 500 sq'

**\$68.00 / 5 lb bag**

**Pyganic Concentrate** 32 oz. OMRI –

**Best for broad spectrum insect control – Spray in evening to avoid pollinators**

Broad spectrum insect control w/fast result; use on all indoor & outdoor plants; zero pre-harvest interval; non-corrosive pyrethrin liquid; 1-2oz/gal water; Call or email for pricing on larger sizes or 5% concentrates

**\$52.95 / 1.4% Concentrate      \$156.00 / 5% Concentrate**

**NEW!! Rootshield Plus WP OMRI – Available by special order**

**Best for biological, prevention of soilborne diseases**

Apply RootShield Plus early before roots have emerged or fully developed. Two active strains of fungi (Trichoderma harzianum strain T-22 and Trichoderma virens strain G-41) grow on the roots to form a “shield” that works for up to 12 weeks. Controls for major root diseases including soilborne Phytophthora. Also controls Rhizoctonia, Pythium, Fusarium, Thielaviopsis, and Cythrodcladium. Most applications use 3-8 oz / 100 gallons of water.

**\$135.00 / 1 lb bag                      Must be special ordered due to short shelf life**

**Serenade Biofungicide Concentrate OMRI**

**Best for broad spectrum preventative fungicide**

Microbial biofungicide (bacillus subtilis) that controls lettuce downy mildew, botrytis brown rot, grape powdery mildew & much more; applied as a preventative fungicide; non-toxic to beneficial insects

**\$14.99 / 32 oz                      \$98.95 / 2.5 gallon**

**Spinosad Liquid Concentrate by Monterey OMRI –**

**Best for Colorado potato beetles, yellow margin leaf beetles, & worms**

Spinosad A & D, 0.5%; Use in vegetable gardens, fruit trees, lawns, ornamentals; controls Colorado potato beetles, corn borers, ants, fire ants, beetles, caterpillars, worms, fleas, leafminers, spider mites, thrips, coding moth, Japanese beetles & more; 2 oz/1 gal water.

**\$13.49 RTU                      \$29.99 / 32 oz                      \$89.99 / gallon**

**Surround Crop Protectant 25 lb. OMRI –**

**Great for shielding crops from intense sun**

Made from Kaolin clay; a particle film barrier that protects fruits, veggies, & foliage but doesn't block light; use on fruit & veg. crops to suppress numerous types of insects; cover fruit & foliage before infestation for best results; 2cups/gal or 50lb/100 gal.

**\$39.95 / Bag**

## Weed Control

**Corn Gluten Healthy Grow 30lb. (9-0-0) – Great pre-emergent weed control (prevents seed germination) plus fertilizer; 10-20lb/1000 sq. ft.**

**\$39.99 / Bag**

**EcoBlend Weed Control Concentrate – Made in Pittsboro! Botanical based, natural herbicide that breaks down plant mass into beneficial nutrients; Dilute to make 1:1 to 1:4 depending on the heartiness of weeds. We also keep this product in a bulk 275 gallon tote where customers can bring their own containers or purchase one of ours and fill up. Five gallon minimum is required for bulk purchases. Our empty five gallon containers with spouts are \$4.99 and 55 gallon drums are \$15.00.**

**\$16.95 / ½ gal                      \$69.95 / 2.5 gal                      \$15 / gal Bulk (5 gal minimum!)**

**Herbicidal Soap by Monterey 1 gallon 2 oz. concentrate makes 5 gallons finished spray. Use to control broad leaf weeds, some grasses, moss and algae around house and home. Effective on patios, brick, concrete, asphalt and stone. Most effective when used on a sunny dry day; reapplication may be needed if sprayed before a rain. Use caution around water sources and or ponds with fish.**

**\$27.99 / 1 gallon**

## Growing Mediums

**CLEARANCE!! Bloomin' EZ Organic Compost (NOP)** – This dense, humus based compost is made from agricultural crop residues which become more readily available than most wood-based composts. One bag of Bloomin' EZ will have the nutrient value of two bags of most commercial composts, making it a good value for bagged compost.

**\$6.50 / Bag \$6.18 / 10+ Bags**

**Black Gold Organic Compost by Sungro (OMRI)** – This compost blend offers a mixture of peat moss and aged compost to improve soil moisture retention, aeration, and drainage. Made from peat moss, aged compost from dairy manure, greenwaste, and bark.

**\$4.95 / Bag \$4.70 / 10+ Bags**

**Condensed Coir 10 lb. Block** – Expands 8x in water. A 10lb block makes about 64 quarts of material. This product currently comes unwrapped. Later this spring we will have a wrapped product back in stock that will be less messy to transport.

**\$10.95 / Block \$10.40 / 10+ Blocks**

**Daddy Petes Products From Stony Point, North Carolina** – We are proud to now carry a more local choice in manures and soils, coming straight from a family farm in NC. We currently carry the following products in the Daddy Petes line, but let us know if you'd like us to add to the selection. Check with your certifier! Many Daddy Petes products are approved for organic production.

**Cow Manure 50# \$5.99**

**Kickin Chicken 40# \$6.49**

**Mushroom Compost 25qt \$5.49**

**Planting Soil 1.5 cu ft \$8.49**

**Potting Soil 2 cu ft \$9.99**

**Soil Enhancer 2 cu ft \$6.49**

**Barnyard Fertilizer 35# \$14.99 - **BOGO Sale** 2-2-2 manure pellet**

10+ bag discounts and pallet pricing available!  
Call or Email for Details!!

**Fafard Organic Potting Mix 40qt. (OMRI)** -Canadian sphagnum peat moss, aged pine bark, perlite, vermiculite, dolomitic limestone, gypsum, and all natural Perdue® organic fertilizer with no synthetic materials such as pesticides, chemical fertilizers, or water conditioners.

**\$7.75 / Bag \$7.36 / 10+ Bags**

**Foxfarm's Happy Frog Potting Soil 2 cu ft.** – A planting mix alive with beneficial microbes and fungi that help break down organic matter and feed plant roots. This is the only planting mix we've seen that has an ingredient panel listing the species and quantities of each of the bacteria and mycorrhizal fungi colonies in the mix. Happy Frog also includes composted forest humus, peat moss, perlite, worm castings, bat guano, humic acid, oyster shell, and dolomitic lime.

**\$14.99 / Bag \$14.24 / 10+ Bags \$11.50 / Bag Pallet of 60**

**Foxfarm's Ocean Forest Potting Soil 1.5 cu ft.** – Similar to Happy Frog, but extra enriched with fish and crab meals, this potting mix will make even the brownest thumbs turn green!

**\$14.99 / Bag \$14.24 / 10+ Bags \$11.00 / Bag Pallet of 75**

**NEW!! Foxfarm's Strawberry Fields Fruit & Flower Potting Soil 1.5 cu ft.** – Similar to Happy Frog and Ocean Forest, but enriched with organic fertility specific to growing fruits and flowers.

**\$14.99 / Bag \$14.24 / 10+ Bags**

**Peat Moss** 3.8cuft compressed bale OMRI –100% Canadian sphagnum peat moss, ideal for starting seed, raised beds, and soil conditioning.

**\$15.95 / Bag      \$15.15 / 10+ Bags**

**Perlite** (asbestos free) 4 cu. ft. Good for potting mixes; used to improve drainage

**\$14.99 / Bag      \$14.24 / 10+ Bags**

**Permatil** 40lb bag. Permatil is a kiln fired slate product that expands the slate to provide pore space. When incorporated into heavy compacted soils, permatil creates much needed pore space for roots, oxygen, and water, improving your plant's growth. Permatil also creates a undiggable barrier, keeping voles away from your garden spaces. Once incorporated into the soil, permatil does not break down and does not need to be reapplied.

**\$12.49 / Bag      \$11.86 / 10+ Bags**

**Sunshine Natural & Organic PROFESSIONAL GROWER Mix** 2.8 cu.ft. OMRI

University formulated mix containing Canadian sphagnum peat moss, perlite, dolomite lime and yucca extract as an organic wetting agent. This mix is made just like the Sunshine retail bag (with the big tomato on it) that we've been selling for years. However, we have been assured that the Professional Grower mix undergoes higher levels of testing within the manufacturing process and guarantees a more consistent result. We recently made the decision to transition to this mix based on grower feedback.

**\$15.95 / Bag      \$15.15 / 10+ Bags      \$12.60 / pallet of 54 Bags**

**Coarse Vermiculite** 4 cu. ft. (asbestos free) This is the vermiculite most commonly used in square foot gardening because it tends to hold up longer in the soil than medium grade.

**\$21.50 / Bag      \$20.43 / 10+ Bags**

**Medium Grade Vermiculite** 4 cu. ft. (asbestos free) Good alternative for smaller containers and seed starting mixes.

**\$16.99 / bag      \$15.50 / 10+ Bags**

**Worm Castings by WormGanic** See description in "BIOLOGICAL AMENDMENTS"

## Seeding Trays

**1020 Standard Web Tray**

**\$0.95 / tray      \$0.75 / 10+ Trays      \$28.00 / Case of 50**

**Standard NCR Tray** – Comes w/ or w/o drainage slits

**\$1.95 / tray      \$1.85 / 10+ Trays      \$129.00 / Case of 100**

**Standard Inserts for Trays** – We carry 1204s, 1206s, and 606s. This means an insert sheet of 12 perforated 4 packs, 12 perforated 6 packs, or 6 larger & deeper perforated 6 packs. We can also most likely order other inserts. Just ask!

**\$0.95 / tray      \$0.75 / 10+ Trays      \$65.00 / Case of 100**

**128 cell plug tray** – This is a complete tray that makes square plugs, not perforated like our others.

**\$2.25 / tray      \$1.80 / 10+ Trays      \$144.00 / Case of 100**

**Winstrip Trays** – 162s **\$10.00 each** – gently used

To the best of our knowledge, Winstrips will no longer be in production, so this is it!

## Row Covers and Accessories

We are the North Carolina Agribon dealer. Below are sizes and weights that we currently stock. We can also special order other sizes and custom cuts.

**The BEST time to special order with us is in September when we place our mega order for the fall and get FREE FREIGHT! We can offer special pricing!!!!**

**Agribon AG-19 0.55 oz** - Standard Grade, 85% Light Transmission, Used for insect and wind control as well as light frost, protection up to 4°F

<b>83" sold by the foot</b>	<b>\$0.30</b>	<b>NEW!!</b>	<b>14' x 1000' roll</b>	<b>\$270.00</b>
<b>83" x 250' roll</b>	<b>\$40.00</b>			
<b>83" x 1000' roll</b>	<b>\$140.00</b>			
<b>10' x 250' roll</b>	<b>\$65.00</b>			
<b>10' x 1000' roll</b>	<b>\$196.00</b>			

**Agribon AG-30 0.9 oz** - Medium Grade, 70% Light Transmission, Used for heavier frost protection and some overwintering, protection up to 6°F

<b>83" sold by the foot</b>	<b>\$0.40</b>	<b>NEW!!</b>	<b>10' x 1000' roll</b>	<b>\$295.00</b>
<b>83" x 250' roll</b>	<b>\$66.00</b>	<b>NEW!!</b>	<b>14' x 800' roll</b>	<b>\$338.00</b>
<b>83" x 500' roll</b>	<b>\$110.00</b>	<b>NEW!!</b>	<b>20' x 1000' roll</b>	<b>\$575.00</b>
<b>83" x 800' roll</b>	<b>\$180.00</b>			
<b>10' x 250' roll</b>	<b>\$80.00</b>			

**Agribon AG-50 1.5oz** - Heavy - 50% Light Transmission, Ideal for overwintering, even if we have a harsh winter, protection up to 8°F

<b>83" sold by the foot</b>	<b>\$0.60</b>	<b>NEW!!</b>	<b>10' x 500' roll</b>	<b>\$235.00</b>
<b>83" x 500' roll</b>	<b>\$165.00</b>	<b>NEW!!</b>	<b>14' x 500' roll</b>	<b>\$330.00</b>

**Fiberglass Reinforced 8 ft. Plastic Rods** - 5 mm diameter; easy to install; bounces back if crushed by snow; store out of sunlight

**\$1.50 each**                      **\$70.00 / Bundle of 50**

**Hold Down Netting** Comes as a black net tube, like a stocking. Fill with rocks and cut in sections, tying off at each end, to make a clean, easy way to hold down row cover without ripping. - **\$0.30 per foot**

**Landscape staples 6"** - **\$1.99/lb.** or **\$50 for box of 1000**

## Ground Covers and Trellising

**Hortonova Trellis Netting** – Strong, polypropylene mesh with 6"x6" holes; This easy, cost effective trellising allows your plants greater exposure to sun and air. Install horizontally for cut flowers or vertically for climbing plants like beans, cucumbers, peas, peppers, tomatoes, and melons. We are currently stocking Hortonova in 36", 48", and 59" widths, but we can also order 42", 67" or 79".

**\$45.00 / 36"x328' Rolls    \$199.00 / 36"x3280' Rolls**

**\$55.95 / 48"x328' Rolls    \$265.00 / 48"x3280' Rolls**

**\$59.95 / 59"x328' Rolls    \$299.00 / 59"x3280' Rolls**

**Lumite Ground Cover** – Durable, woven plastic that's great for weed control in row crops and greenhouse flooring. The 3' roll is perfect for rows and the 6' roll for patches. We can also get this in wider widths for greenhouses. Woven plastic allows for permeability and the durability allows for multiple uses. Burn holes with a propane torch for planting. Other widths can be custom ordered.

**\$61.95 / 3'x300'    \$83.00 / 4'x300'    \$131.00 / 6'x300'    \$189.00 / 10'x300'**

**Shade Cloth** – We now stock **60%** shade cloth! Buy by the foot or by the roll to suit your needs. We also carry reusable grommets for securing shade cloth to structures without damaging or tearing the fabric.

**6' wide - \$1.80 per foot    \$115 per 100' roll**

**12' wide - \$3.50 per foot    \$225 per 100' roll**

**Shade Cloth Grommets \$0.50 each**

**We special order  
custom sizes & specs!**

**Silage Sheet** – 5 mil tarp, UV stabilized with a 12 month guarantee, black on one side, white on the other. This silage tarp would be ideal for occultation as is described in *The Market Gardener* by Fortier. We stock the two sizes below, but can also order 32x100 and 60x200.

**\$221.99 per 40'x100' roll**

**\$279.99 per 50' x 100' roll**

**CLEARANCE!! WeedGuardPlus Biodegradable Mulch OMRI –**

**www.weedguardplus.com** This 100% biodegradable weed suppressing paper reduces weeding costs, eliminates removal and disposal costs associated with plastics, and improves water use efficiency. We are stocking a heavy weight smooth paper that can be put down by hand and takes a little longer to decompose during our Southeastern growing season.

**\$40.00 / 3' x 250'**

**\$70.00 / 3'x500'**

**\$95.00 / 4'x500'smooth**

We are looking into a more stocking a more cost effective paper option manufactured on the East Coast. Shipping WeedGuard from Colorado has made it difficult to stock.



## Cool Season Cover Crops

This is a list of cover crops we stock for seeding during the cool season months. All of our cover crop seed is Non GMO. When possible, we also stock organic certified seed options. The list of seed below we feel is most applicable for crop producers. For a complete list of our annual cover crops and perennial forages as well as pricing, see our website and click on the link for [Cool Season Seed Pricing](#) (may only be viewable during applicable times of the year).

**Austrian Winter Peas** – Fixes 70-125lb Nitrogen/acre; sow 2-3 lb/1000 sq.ft. or 70-120lb/acre; early to mid-fall – We typically stock untreated seed as well as a small amount of organic certified. You may need to special order if you want 50lbs. or more of organic certified seed.

**Barley** – Plant in fall, Great for goat forage and cover crop, Broadcast at 140lb. per acre or 3lb. per 1000 sq. ft. – We typically stock organic certified seed.

**Chicory**– Sow 3-4# to the acre in either Spring or Fall to enhance wildlife forage plots. Once established chicory can produce forage for several years and boasts as much protein as some legumes in feed value. Seed is treated with 'yellow jacket' seed-starter, a plant hormonal germination enhancer.

**Clover, Crimson**– Fixes 80lb Nitrogen/acre; sow 1/2-2lb/1000 sq. ft. or 20-40lb/acre; cold/shade tolerant. We stock uncoated/untreated conventional crimson clover seed.

**Clover, Medium Red** – Perennial legume used to rest & rebuild soil; sow 4-6oz/1000 sq. ft. or 10-15lb/acre; plant early spring or late summer. We stock uncoated seed. We can special order organic red clover, but as of yet have not had enough demand to keep it stocked.

**Clover, Ladino (White)** – Tall growing perennial clover; provides 100lb. nitrogen/acre when plowed in; sow 9lb/acre or 2-5lb/acre w/ other grasses. We stock uncoated seed. To the best of our knowledge, organic certified seed is unavailable.

**Clover, Dutch White** – Low growing perennial clover great for isle ways, lawns, and cover crop; sow 2-5lbs./acre with other seed or 9 lbs./acre on its own; provides 100lb. nitrogen/acre when plowed in. We stock uncoated seed. To the best of our knowledge, organic certified seed is unavailable.

**Hairy Vetch** – Extremely winter hardy and best legume for nitrogen fixation! Matures late spring, so choose hairy vetch when you are planting late spring crops (April / May). Sow 30-40lb/acre or 25lb/acre w/rye; fall. We typically stock untreated and organic certified seed.

**Kale, Smooth/Spring** – Sow in either Spring or Fall for tasty, tender young leaves. Fall-seeded plots are moderately winter hardy and may continue to yield throughout winter if conditions are mild; severe cold may take out some plants. Sow 12# to the acre or 1/2# per 1,000 ft. sq. for wildlife/forage plots.

**Oats** – 2.5lb/1000 sq.ft. or 100lb. per acre when sown alone. 1.2lb./1000 sq.ft or 50lb./acre when sown with a legume. We typically stock untreated and organic certified seed.

**Tillage Radish** – A brassica excellent at breaking up compacted soil & scavenging leached nitrate; produces biotoxins that help control soilborne pests and pathogens; provides weed control & may be mixed with winter grains; Sow at a depth of 1/4 - 1/2"; broadcast at 12-15 lbs./acre. We typically stock untreated seed and special order organic certified seed for those who need it.

**Rape** – Sow 8 lb/acre. An excellent brassica cover crop for sowing when you need to follow with an early spring crop. We stock untreated seed. To the best of our knowledge, organic certified seed is unavailable.

**Winter Rye Grain** – Sow 2.5lb/1000 sq. ft or 100lb/acre alone; 1.2lb/1000 sq. ft. or 50-60lb/acre when sown w/ a winter legume. We typically stock untreated and organic certified seed. Fall 2015 varieties include 'Abruzzi' & 'Rhymin' rye.

**Winter Wheat** – 120lb./acre; winter or spring. We typically stock untreated and organic certified seed.

## Warm Season Cover Crops

This is a list of cover crops we stock for seeding during the warm season months, as well as their seeding rates. All of our cover crop seed is Non GMO. When possible, we also stock organic certified seed options. The list of seed below we feel is most applicable for crop producers. For a complete list of our annual cover crops and perennial forages as well as pricing, see our website and click on the link for [Warm Season Seed Pricing](#) (may only be viewable during applicable times of the year).

**Buckwheat** –Great early maturing cover crop and great for bees! Sow 3lb./1000 sq. ft. or 130lb./acre. We typically stock untreated and organic certified seed.

**Lespedeza, Sericea** – 25-30lb/acre - Perennial legume that's a GREAT forage for goats! Research out of NC State has shown that goats grazing on sericea lespedeza have fewer intestinal parasites! We stock untreated seed. To the best of our knowledge, organic certified seed is unavailable.

**Millet, Browntop** - 25lb per acre – This millet has many uses including wildlife forage plots, hay, seed production and erosion control. Browntop will grow 2-3 feet tall and produce seed in 50-60 days. Tolerant of drought, poor soil and able to withstand flooding (water fowl habitat &/or hunting).

**Millet, Japanese** - 25lb per acre – Low growing grass cover that can be easily mowed. Good for temporary summer control of soil erosion if disrupting land. We stock untreated seed. To the best of our knowledge, organic certified seed is unavailable.

**Millet, Pearl** - 25lb per acre – A preferred summer grass cover for growers because of the large amount of biomass it produces. Typically pearl millet is sown with cowpeas for a complete cover. We have had a difficult time in recent years sourcing an untreated pearl millet. Most pearl millet seed comes treated with a fungicide. Check with us in the summer months to see if we've been able to source untreated seed. To the best of our knowledge, organic certified seed is unavailable.

**Cowpea**– Great summer legume! Sow at 4lb. per 1000 sq. feet or broadcast at 90 lb. per acre. We typically stock untreated seed. To the best of our knowledge, organic certified seed is unavailable. Current varieties on hand include IRON & CLAY and PINK EYE PURPLE HULL (Summer 2015).

**Sorghum Sudangrass** – Plant at 1/2"-1" depth; 10-20 lbs/acre in rows or 25-35lbs./acre drilled or broadcast. This plant produces a fantastic amount of biomass. You will need to mow a couple of times to control or it will be nearly impossible to take down later. We stock untreated seed. To the best of our knowledge, organic certified seed is unavailable.

**Sunflower, Perodovik** 25lb per acre – This is a black oil sunflower, field variety. Sow at 8 lbs. per acre. We stock untreated seed. To the best of our knowledge, organic certified seed is unavailable.

**COMING SOON!! SunnHemp** 15-20lb per acre – Tall, quick growing, vigorous drought tolerant annual legume with tremendous biomass and nitrogen fixing potential. Use Guard-N inoculant with this seed to fix nitrogen. To the best of our knowledge, organic certified seed is unavailable.

## Irrigation Supplies

This list represents the basics of what we most commonly sell for irrigation. We also have several other irrigation supplies not listed here (i.e.. timers, fertigaters, hose fittings, tools, etc.) We also routinely special order other sizes of tubing, tape, parts, etc. For other information on irrigation, visit our irrigation page on our website.

### Filters

1" Filter **\$65.95**

$\frac{3}{4}$ " Filter **\$16.95**

$\frac{1}{2}$ " In-line Filter **\$3.45**

### Tape

**CLEARANCE!!** 1500' Netafim 0.24 gal/hr, 12" spacing **\$65.00**

**NEW!!** 2000' /Toro Aqua-Traxx 0.27 gal/hr – 8 mil **\$85.00**

7500' Toro Aqua-Traxx 0.27 gal/hr – 8 mil **\$179.00**

Tape by the foot 12" spacing **\$0.10 per foot**

### Tubing, Solid

$\frac{1}{2}$ " black poly 100' **\$14.95**

1" white poly 100' **\$39.00**

$\frac{1}{2}$ " black poly 500' **\$55.95**

1" black poly 500' **\$90.00**

$\frac{3}{4}$ " white poly 100' **\$28.95**

$\frac{3}{4}$ " black poly 500' **\$90.00**

### Tubing with Built in Drippers







$\frac{1}{4}$ " micro line 100',  $\frac{1}{2}$  gal/hr emitters, 12" spacing **\$16.96**

$\frac{1}{2}$ " black poly Uniram Drip Line 100'  $\frac{1}{2}$  gal/hr emitters, 12" spacing **\$29.95**

$\frac{1}{2}$ " black poly 1000'  $\frac{1}{2}$  gal/hr emitters, 18" spacing **\$189.00**

$\frac{1}{2}$ " white poly 1000' 0.4 gal/hr emitters, 12" spacing **\$179.00 GREAT BUY!!!**







### Tape Fittings

#9442		10 PSI Pressure Regulator $\frac{3}{4}$ " – low pressure needed for drip tape	<b>\$8.95</b>
#9446		Adapter Connects Tape to Header	<b>\$0.95</b> Bulk bag of 100 for \$85
#9477		Shut Off Valve for Tape w/o Locking Nut	<b>\$1.90</b> Bulk bag of 50 for \$82.50
#11103		Shut Off Valve for Tape w/ Locking Nut	<b>\$2.10</b> Bulk bag of 50 for \$87.50
#9445		Tape Coupling	<b>\$0.65</b> Bulk bag of 50 for \$29
#9459		Tape Elbow Fitting	<b>\$1.75</b>




### 1/2" Line Fittings

#9467		Adapter Connects Regulator to 17mm	<b>\$1.75</b>
#9472		Tee for 17mm	<b>\$2.50</b> Bulk bag of 25 for \$45
#9473		Elbow for 17mm	<b>\$1.80</b> Bulk bag of 25 for \$35
#9471		Coupling for 17mm	<b>\$0.90</b> Bulk bag of 25 for \$20
#9469		Shut Off Valve for 17mm line	<b>\$2.25</b> Bulk bag of 50 for \$95
#9474		Adapter Connects 17mm Drip to Header	<b>\$1.65</b> Bulk bag of 50 for \$70
#9465		17mm Adapter for Flushing End Cap	<b>\$0.75</b> Bulk bag of 25 for \$17
#9466		Flushing End Cap	<b>\$1.25</b> Bulk bag of 50 for \$49
#9464		Figure Eight Closure 17mm	<b>\$0.35</b>








### 3/4" Line Fittings

#9441		35 PSI Pressure Regulator 3/4"	<b>\$8.95</b>
#9481		3/4" Adapter for Pressure Regulator	<b>\$2.50</b>
#9470		Shut Off Valve for 3/4" Header	<b>\$3.75</b>
#10570		Coupling for 3/4" Line	<b>\$2.45</b>
#9475		Tee for 3/4" Header	<b>\$5.95</b>
#9818		Elbow for 3/4" Header Line	<b>\$3.25</b>






### 3/4" Line Fittings Continued

#9466		Flushing End Cap	<b>\$1.25</b>
#9479		3/4" Adapter for Flushing End Cap	<b>\$2.75</b>
#9476		3/4" Figure Eight Line Closure	<b>\$0.50</b>






### 1" Line Fittings

9490		Insert Tee for 1" Header	\$2.99
10573		Insert Elbow for 1" Line	\$2.99
10572		Insert Coupling for 1" Line	\$1.45
10575		3/4" Female Hose Thread to 1" Powerloc Adapter	\$3.95
10574		1" Male Thread to 1" Powerloc Adapter	\$1.75
10577		1" Glue to PVC to 1" Powerloc Adapter	\$1.50
10576		3/4" Male Thread to 1" Powerloc Adapter	\$2.65

### Micro Fittings / Misters

#9455		Collar for Micro Tubing	<b>\$0.12</b>
#9452		Sprinkler Stake for Spaghetti Tubing	<b>\$0.20</b> Bulk bag of 25 for \$4.00
#9436		0.5 GPH Dripper/Emitter	<b>\$0.30</b> Bulk bag of 100 for \$27
#9437		1.0 GPH Dripper/Emitter	<b>\$0.30</b> Bulk bag of 100 for \$27
#9451		Plug for Female Adapter	<b>\$0.13</b>

### Micro Fittings / Misters Continued

#9486		Male Adapter for Micro Tubing	<b>\$0.12</b> Bulk bag of 100 for \$10
#9450		Female Barb for Micro Tubing	<b>\$0.28</b> Bulk bag of 100 for \$15
#9487		Shut Off Valve for Micro Tubing	<b>\$0.70</b>
#9454		Purple/Green Misting Sprinkler for Seed Germination	<b>\$0.80</b>
#9456		Sprinkler Stake (Black)	<b>\$0.50</b>

### Repairs & Miscellaneous

#8769		1" Pinch Clamp	<b>\$0.40</b>
#8768		Hose Clamps for 1" – 1 <sup>3</sup> / <sub>4</sub> " line	<b>\$1.40</b>
#8767		Hose Clamps for <sup>3</sup> / <sub>4</sub> " – 1 <sup>1</sup> / <sub>2</sub> " line	<b>\$0.99</b>
#8766		Hose Clamps for <sup>1</sup> / <sub>2</sub> " – <sup>3</sup> / <sub>4</sub> " line	<b>\$0.99</b>
#9443		Goof Plug <sup>1</sup> / <sub>4</sub> " (Small) – Pack of 10	<b>\$0.70</b>
#9444		Goof Plug Large	<b>\$0.50</b> Bulk bag of 50 for \$19
#9488		Teflon Tape for Sealing Threads	<b>\$0.69</b>
#9819		Backflow Preventer	<b>\$6.25</b>

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