

FIFTH  **SEASON**
WHOLESALE



ORGANIC FARM AND GARDEN SUPPLY

2013 FARM CATALOG

**ORGANIC FERTILIZERS
GROWING MIXES
SOIL SUPPLEMENTS
PEST MANAGEMENT
WEED CONTROL**

ASHEVILLE: 45 Banks Avenue ★ 828.253.4112

Asheville Warehouse: 21-B Westside Drive

CARRBORO: 106 S. Greensboro Street ★ 919.932.7600

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Pittsboro Warehouse: 1021 Chicken Bridge Road ★ 919.542.0126

www.fifthseasongardening.com

SALES POLICY

Sales Policy:

- Prices in this catalog are subject to change without notice.
- Terms are COD, Visa, Master Card or Net 30 days with approved credit.
- Customers desiring Net 30 terms must complete a credit application.
- We must receive payment within terms of invoice, or a late fee of 2% per month will apply.
- There will be a \$25.00 charge for returned checks.
- Special order items must be pre-paid by credit card or check.

Receiving Your Items:

Orders can be picked up at our warehouses at 1021 Chicken Bridge Road in Pittsboro NC, 21-B Westside Drive in Asheville NC, and 900 Preston Ave. in Charlottesville VA or we can deliver them to you. Smaller orders may be picked up at one of our five retail locations. Please call ahead if you are picking-up your order. Prices listed in this catalog do not include delivery charges. Please call us for shipping quotes.

All prices in this catalog are subject to change without notice.

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At Fifth Season Gardening Company, we are dedicated to providing farmers and gardeners with the best available organic and all-natural products at reasonable prices. We are always on the lookout for high-quality products that we can offer to our customers, and if there are items you'd like us to carry that you don't see in our catalog, please let us know, and we'll do our best to get them for you.

Organic Certification Information:

Many, but not all, of the products in this catalog are certified for organic production. Items listed by the Organic Materials Review Institute (OMRI) will have the OMRI logo after the item description. Products on the USDA's National Organic Program list are identified as "NOP approved for organic production."

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GENERAL PRODUCTS - 16**>ALL-PURPOSE FERTILIZERS****Fertrell Earth Friendly All Purpose 5-5-3**

This organic blend provides a balance of slow-release nutrients without posing the risk of burn. Plus, it improves water penetration while conditioning the soil for vigorous root growth.

50 lb. bag: \$30.99 20+bags: \$28.99

Fertrell Feed-N-Gro 3-2-3

A blended all-purpose fertilizer that activates microbial life in the soil and adds important nutrients for strong root growth. Slow-release, so steady and long-term nutrition is provided.

50 lb. bag: \$26.99 20+bags: \$25.99

Fertrell Feed-N-Gro 4-2-4

Seedlings get off to a quick and vigorous start with this multipurpose plant food. Its time-released nutrients also feed the crop throughout the growing period. Feed-N-Grow 4-2-4 works well in areas with a short season or on short-season crops like sweet corn and garden vegetables. It's also ideal for truck farming.

50 lb. bag: \$26.99 20+ bags: \$25.99

McGeary Organics Compost Based Fertilizers

Manure-free, plant-based compost forms the base for the McGeary line of organic fertilizers. The compost is a black, earthy-smelling material that they dry and grind prior to blending. Even though the plant materials contain no pathogens, McGeary ensures that their compost is maintained between 131 and 170 degrees F for at least 15 days during the composting process, as is required by regulations. This is not to say that the compost is sterile, however. Unlike the sterilized manure used in many fertilizers, this compost is still biologically active. Once it comes into contact with water, microbial activity resumes. Bacteria and fungi associated with composted soils have been shown to work as biocontrol agents that suppress plant pathogens. Addition of compost also improves soil structure, tilth and mineralization.

McGeary Organics 5-3-4

A premium general-purpose fertilizer that performs well in a variety of applications. Plants respond rapidly, making this a popular blend among farmers, landscapers and fruit and vegetable growers. In most applications, 400 lb. per acre (1 lb. per 100 sq. ft) is a good starting point.

25 lb. bag: \$16.49
50 lb. bag: \$23.99 20+ bags: \$22.99

McGeary Organics 3-5-3 Flower & Plant Starting Fertilizer

Originally formulated as a corn starter, the phosphorus level in this formulation makes it ideal for starting all seeds. Phosphorus also encourages flowering in plants, which makes 3-5-3 an especially good flower and bulb fertilizer. Recommended application is 400 lbs. per acre (1 lb. per 100 sq. ft) in most circumstances.

50 lb. bag: \$21.49 20+ bags: \$19.99

McGeary Organics 6-0-4 Low Phosphorus Fertilizer

Specifically formulated for use in areas with phosphorus restrictions due to water quality concerns, and in soils with excessive phosphorus from over manuring or fertilization. McGeary

Organics 6-0-4 is an excellent general purpose fertilizer and can be used on lawns, gardens, and farm crops. Recommended application is 400 lbs. per acre (1 lb. per 100 sq. ft) in most circumstances.

50 lb. bag: \$22.49 20+ bags: \$20.99

McGeary Organics 2-3-4

Formulated for crops with higher phosphorus and potassium requirements. The guidelines below are general recommendations. For specific recommendations and best results refer to a recent soil test. In most applications 400 lb per acre is a good starting point. This is approximately equal to 1 lb per 100 square feet.

50 lb. bag: \$20.49 20+ bags: \$18.99

McGeary Organics 8-1-1 Side Dress & Green-Up Fertilizer

Originally formulated with side-dress nitrogen applications in mind. This fertilizer can be used in any circumstance where a nitrogen deficiency needs to be rectified. 8-1-1 is also a good choice for fields that have been over manured and have excessive phosphorus and potassium levels. The fertilizer is composed of nitrogen-rich ingredients, a large portion of which are rapidly available.

50 lb. bag: \$23.99 20+ bags: \$22.99

Dehydrated Chicken Manure

An affordable fertilizer source, this dehydrated manure provides primary and secondary nutrients.

50 lb. bag: \$7.49 20+ bags: \$6.99

Harmony Ag. (5-4-3)

Made from 100% all natural poultry layer manure. All-purpose for vegetables, fruits, lawn and landscape. Quickly available to plants, but will remain in the soil for long and steady release of nutrients. Analysis: 1.0% water soluble nitrogen, 4.0% water insoluble nitrogen, 4.0% P₂O₃, 3.0% K₂O, 9.0% Calcium, .08% magnesium, 0.2% Iron. 370 ppm Zinc, 40 ppm Copper, .65% Sulfur, 35 ppm Boron.

50 lb. bag: \$20.99 20+ bags: \$19.49

>LIQUID FERTILIZERS

Fertrell Bio - Hume

A 12% concentrated liquid product derived from decayed organic matter (humates). It has a high cation exchange capacity which serves to chelate (collect) plant food elements and release them as the plant requires. The chelation process holds the nutrients in the soil solution and prevents their leaching and runoff. Humic acids will improve humus content in the soil for better tilth, water and nutrient retention, and soil aeration. Seed germination and plant root and top growth are enhanced.

1 gallon: \$33.99

Brown's Fish Fertilizer (2-3-1)

Brown's Fish Hydrolysate is an organic, all natural, highly nutritional, protein fertilizer. It is packed with micronutrients and amino acids that the soil and plants need. Brown's Fish Hydrolysate is produced using a cold process, which uses the natural enzymes in the fish to digest the fish from a solid to a liquid. The filtered liquid is kept in a large stirring tank ensuring a consistent product. Before the final packaging it is filtered again through a 120 mesh screen to ensure that it may be sprayed without risk of clogging.

1 qt: \$8.99 1 gal: \$18.99 5 gal: \$74.99

Neptune's Harvest Hydrolyzed Fish Fertilizer (2-4-1)

Neptune's Harvest is an organic fertilizer made from fresh North Atlantic fish. It is made by a unique cold process that protects the vitamins, amino acids, enzymes and growth hormones. It also contains all the micro and macro nutrients naturally found in fish. The nitrogen and other nutrients are chelated, so they are readily available for plants' consumption. Unlike fish emulsions, Neptune's Harvest retains the fish proteins and oils and has no unpleasant odor. University studies have shown Neptune's Harvest to outperform chemical fertilizers.

1 qt.: \$11.99 1 gal.: \$22.99 5 gal.: \$89.99

Neptune's Harvest Seaweed Plant Food (0-0-1)

An organic storehouse of over 60 naturally occurring major and minor nutrients and amino acids. Its growth promoting substances (Auxins, Cytokinins, Gibberellins) enhance plant development, color and vigor. Seaweed has also been found to increase plant hardiness and resistance to adverse environmental conditions, such as early frost, extreme heat and lack of moisture. Used as a seed inoculant, seaweed fertilizer increases and accelerates germination, and enhances the rapid development of a healthy root system. Seaweed is an excellent addition to any fertilization program.

1 qt.: \$11.99 1 gal.: \$27.99 5 gal.: \$94.99

Neptune's Harvest Organic Fish/Seaweed Blend (2-3-1)

This fertilizer gives you the best of both worlds with a perfect blend of fish hydrolysate and seaweed, ensuring a complete fertilization program. Growers using our fish/seaweed blend fertilizer on a regular basis have reported increased marketable yields and improved shelf life on fruits and vegetables. Fish and Seaweed are known to build the natural sugars in plants. Flowers and foliage will be stronger and more colorful. Blooms will be more plentiful, fragrant and longer lasting.

1 qt.: \$12.99 1 gal.: \$27.99 5 gal.: \$103.99

Alaska Fish Fertilizer

Alaska Fish Fertilizer (5-1-1) is an excellent all-purpose application made from 100% seagoing fish emulsion. Alaska Fish Fertilizer is rich in natural nutrients and the mild formulation guards against fertilizer burn. Great for use on any type of plant both indoors and out.

1 quart: \$6.49 1 gallon: \$17.99

Nature's Nog

Nature's Nog is a formulation of Norwegian cold harvested seaweed and humates. Nature's N.O.G. is a totally organic, natural compound designed to enhance root formation, increase vascular strength, promote green color, and reduce stress on ornamental and agricultural plants. Nature's N.O.G. is environmentally safe and completely non-toxic to humans, animals, and fish. It's available in liquid and dry forms.

seaemic: 50 lb. bag: \$36.99 liquid quart: \$15.99
liquid gallon: \$59.99 liquid 2.5 gallon: \$139.99

>N-P-K AMENDMENTS

NITROGEN (N) SOURCES

Fertrell Alfalfa Meal

This soil conditioner is a reasonable alternative to blood meal. Its carbohydrates and proteins encourage microbial activity in the soil. The alfalfa's extensive root system provides micronutrients to plants from deep below the earth's surface. Typical analysis: 3-4-7. NOP approved for organic production.

50 lb. bag: \$27.99 20+ bags: \$25.99

Blood Meal (Non-Bovine)

A fast-release source of nitrogen for plants that have a high nitrogen requirement. Blood meal can also be used in compost piles to speed the decomposition process. This product also tends to repel deer. Typical analysis: 12-0-0. NOP approved for organic production.

50 lb. bag: \$50.99 20+ bags: \$48.49

Allganic Chilean Nitrate

Chilean Nitrate (SQM Nitrate of Soda) is a mined natural source of nitrogen from northern Chile, the only known deposit of this mineral salt in the world. It has an analysis of 16-0-0 (+ trace minerals), and is water soluble, and thus readily available. NOP requires that you use Chilean Nitrate for no more than 20% of your annual nitrogen need.

50 lb. bag: \$47.99 20+ bags: \$43.99

Fertrell Cottonseed Meal

This product's low pH level makes it an excellent, slow-release source of nitrogen for acid-loving plants. Typical analysis: 6-2-1.

50 lb. bag: \$31.99 20+ bags: \$29.99

Fertrell Feather Meal

Crops that need a steady, long-lasting source of nitrogen will love Feather Meal. Because of its low water solubility, leaching is almost nonexistent. The nitrogen becomes available to plants through microbial activity. Typical analysis: 13-0-0. NOP approved for organic crop production.

50 lb. bag: \$49.99 20+ bags: \$45.99

Fish Meal

This product is an excellent source of organic nitrogen and phosphorous. Its high levels of carbohydrates and protein stimulate biological activity in the soil and increase tilth. Because Fish Meal's nutrients are released through the soil's microbial activity, it is long-lasting and does not leach. Typical analysis: 9-3-1. Preserved with Sealac. NOP approved for organic crop production. For organic fish meal to use in animal feeds, please see our Animal Nutrition section on p. 13.

50 lb. bag: \$66.49 20+ bags: \$64.99

PHOSPHOROUS (P) SOURCES

Steamed Bone Meal Bone Meal

Use this product as a general application or as a starter fertilizer for new plants and transplants. Bone Meal is an excellent source of plant-available phosphorus. It also provides calcium and a small amount of nitrogen. Typical analysis: 1-13-0. NOP approved for organic crop production.

50 lb. bag: \$34.99 20+ bags: \$32.99

Phostrell

Derived from bone char and calcium carbonate, this amendment contains 6% available phosphorous and 32% available calcium.

50 lb. bag: \$22.99 20+ bags: \$21.49

Tennessee Rock Phosphate

This product is an excellent source of phosphorus, calcium and essential trace elements. Because it's a high carbon phosphate, Rock Phosphate has about one fifth of lime's neutralizing power. It releases best at a low pH, so apply before liming. NOP approved for organic production.

50 lb. bag: \$12.49 20+ bags: \$11.99

Soft Rock Phosphate (Colloidal Phosphate)

Soft-rock phosphate contains less phosphorus (16 percent) and calcium (19 percent) than hard-rock phosphate, but the nutrients are in chemical forms that plants can use more easily. This powder breaks down slowly, so one application may last for years in the soil. It also contains many micronutrients. Available in granular form for easier application. NOP approved for organic production.

50 lb. bag: \$15.99 20+ bags: \$14.99

POTASSIUM (K) SOURCES

Sulfate of Potash

Potassium deficient soils will thrive with this mixture of potassium and sulfate. Typical analysis: 0-0-50-20S.

50 lb. bag: \$50.99 20+ bags: \$47.49

Jersey Greensand

This iron-potassium silicate is mined from natural deposits in the Garden State itself: New Jersey. Greensand loosens clay soils, increases moisture by up to ten times, and contains over 30 trace minerals. These properties make it a perfect soil conditioner for both agricultural and horticultural applications. NOP approved for organic production.

50 lb. bag: \$15.99 20+ bags: \$14.99

>OTHER SOIL AMENDMENTS

Azomite Micronized Soil Re-mineralizer

This naturally mined mineral product is an excellent re-mineralizer for depleted soils. Azomite is a hydrated sodium calcium aluminosilicate (HSCAS) containing other minerals and trace elements. It is listed for organic plant and livestock production by the Organic Materials Review Institute (OMRI). This ultra-fine micronized form is great for coating seeds for maximum germination. It is also good for potting soil and both green and aged compost. May be topically broadcast as well.

44 lb. bag: \$22.49 20+ bags: \$20.99

Aragonite

This sea calcium contains exceptionally high levels of calcium and low levels of magnesium. Many soils have had dolomite lime added for years, and the resulting high magnesium levels may be tying up other nutrients in the soil. When used with gypsum, Aragonite can offset soil's high magnesium levels. Typical analysis: 0-0-0-39 Ca.

50 lb. bag: \$17.99 20+ bags: \$16.49

Bio Organics Endo Mycorrhizal Inoculant – Micronized

This product can be used to coat damp crop seeds or can be mixed into water and conveniently applied as a drench to large areas of turfgrass, golf course greens, nursery seedlings, commercial vegetable crops, or bedding plants. It can also be blended into hydroseeding mixtures. A 3-lb. jar will treat up to 2.5 acres of closely-planted seeds or pasture, 6400 square feet of turf or flower beds, or 5000 small nursery seedlings. Please contact us for recommendations for your specific planting situation.

1.5 lb. jar: \$48.99 3 lb. jar: \$88.99

Organic Gypsum (Calcium Sulfate)

If your soil has an adequate or high pH level but lacks calcium, use Gypsum. This quick-reaction product loosens the soil, encourages soil life and adds needed calcium. Gypsum also deters weeds, since most weeds prefer acidic soils. When combined with water, the sulfur forms a weak sulfuric acid that releases calcium from the soil. Typical analysis: 0-0-0-23 Ca.-17 S. NOP approved for organic production.

50 lb. bag: \$8.99 20+ bags: \$8.49

Hi-Cal Lime

This product raises soil pH and increases the release of phosphorous and potassium from their insoluble compounds, making them plant available. Use it with Gypsum on soils where magnesium is high. Hi-Cal Lime also loosens clay soil. When soil is sandy, it binds particles together. For immediate use and a gradual breakdown, use the product in pulverized form. It contains less than 5% magnesium oxide.

Pulverized	50 lb. bag: \$5.99	20+ bags: \$5.49
Pelletized	50 lb. bag: \$9.99	20+ bags: \$9.49

Fertrell Kelp Meal

Conditions the soil, builds soil life, retains moisture and stimulates root and plant growth. It also improves yields and reduces the effect of drought and frost. Kelp Meal is made from dehydrated *Ascophyllum nodosum* seaweed. Because Kelp Meal is water insoluble, its nutrients are released by microbial activity so you should allow two weeks for Kelp Meal to become available to plants.

50 lb. bag: \$63.99 20+ bags: \$59.49

Menefee Humates from Earthgreen Products

This rich, humus-based granular soil conditioner provides humic and fulvic acids that act as organic chelators, helping plants better utilize nutrients in the soil. It also stimulates the soil's microbial activity for both indigenous bacteria and those added to the soil, especially mycorrhizae. Used in conjunction with a balanced fertility program, quality humates will enhance the overall performance of the fertilizers to a point that an actual reduction of basic N-P-K per 1,000 square feet may be appropriate over time; enhance success of seed germination and overall plant development; enhance overall plant health, resistance to stress, and appearance. NOP approved for organic production.

50 lb. bag: \$34.99 20+ bags: \$31.99

Perlite

Perlite is traditionally used to aerate heavy potting mixes, clay soils, and even compost. Perlite is an amorphous volcanic glass formed by the hydration of obsidian. NOP approved for organic production.

4cft. bag: \$16.99 20+ bags: \$15.99

Vermiculite

Like perlite, vermiculite is used for soil aeration, but vermiculite holds more water, allowing for loosening in a substrate while simultaneously encouraging water retention. NOP approved for organic production.

course: 4cft. bag: \$21.99 20+ bags: \$19.99
medium: 4cft. bag: \$14.99 20+ bags: \$13.99

Wiggleworm Soilbuilder

Earthworm castings (1-0-0) are one of nature's most abundant and effective fertilizers. A rich, odorless, all-natural organic product that is extremely costeffective because just a little achieves big results. These castings are rich in microbial life and nitrogen-fixing bacteria.

30 lb. bag: \$13.99 20+ bags: \$12.99

Peat Moss

Use Peat Moss when building potting mixes or raised beds. Peat Moss is often used when amending soil for plants that prefer acidic soils. Peat Moss is also a critical ingredient in the square foot gardening method.

3.8 cft. bag: \$16.99 20+ bags: \$15.99

>GROWING MIXES

McEnroe Premium Lite Growing Mix

Premium Lite is a blend that was developed in response to the special needs of organic growers. Like McEnroe's standard organic potting soil, it has both organic compost and a full supplement of organic nutrients. The difference in this mix is that it is designed to have many of the same lightweight characteristics as conventional "soiless" mixes without the addition of chemical fertilizers or wetting agents. This means that it can be used by organic growers who need a lighter weight mix for germination, seed starting and for plants that are grown in flats. NOP approved for organic production.

22 qt. bag: **\$460.00** 1/20 cu. yard bag: **\$2,368.00** 20+ bags: 9.4

McEnroe Premium Organic Potting Soil

This potting soil is excellent for making soil blocks, potting seedlings, and transplanting. It is fortified with organic nutrients and has good moisture retention and drainage. As with all McEnroe mixes, it has an ample supply of their organic compost which creates a favorable rooting environment. NOP approved for organic production.

22 qt. bag: **\$0.00** 1/20 cu. yard bag: **\$2,484.00** 20+ bags: 8.9

McEnroe Premium Organic Compost

Starting with horse and cow manure and culls from McEnroe's organic vegetable operation, this product is made with a carefully controlled process that maintains high temperature, ensuring that any weed seed in the manure is killed. Regular inversion of the compost piles ensures all materials break down into a dark, rich, earthy humus. NOP approved for organic production.

40 lb. bag: **\$878.40** 20+ bags: 5.46

Sunshine Organic Planting Mix

Listed by the Organic Materials Review Institute for the production of organic food, this University-formulated mix contains Canadian sphagnum peat moss, perlite, dolomite lime, and an organic wetting agent.

3.8 cu. ft. compressed bale: \$34.49 20+ bales: \$31.99
1.5 cu. ft.: \$8.99 2.5 cu.ft: \$13.99

Mushroom Compost

Mushroom Compost is the soil used to grow mushrooms. Since mushrooms are such a delicate crop, the soil is used only once. Then it is composted and bagged for home gardeners. This rich, soil-building medium is perfect for vegetable and flower gardens, hanging baskets, shrubs and trees. Mix it with your planting soil or native soil or as a top-dressing on potted plants of all types.

40 lb. bag: \$4.99 20+ bags: \$4.25

Bloomin Ez Compost

Bloomin EZ is a poultry based compost that is completely odorless because it's completely composted instead of dehydrated. It's composted until it turns into humus. It consists of agricultural crop residues such as wheat straw, old hay, and cotton gin trash (which are the leaves and burs after being separated from the cotton). These sources of carbon break down easier and faster than wood products. The manure comes from chickens used to produce hatching eggs so the feed's high calcium levels pass through the chickens giving the final product adequate calcium levels. This product is locally produced in SC and has been tested by Clemson's Ag department for 3 years.

35 lb. bag: \$6.99

Just Coir Coco – Certified Naturally Grown

Coir is a great media to amend into soil mixes. It can be compared to peat in its application, but has a few advantages. Many growers amend their peat based mixes with coir to improve soil quality.

- Coir is sustainably harvested
 - it has an ideal PH (5.5 – 6.5) and does not break down as fast as peat
 - has excellent water holding capacity
 - contains naturally occurring trichoderma – a beneficial fungus
- 2 cu. ft.: \$15.49

>LIVESTOCK SUPPLEMENTS**Redmond Salts**

A trace mineral colloidal silicate which contains a combination of nearly 50 mineral compounds. The minerals are colloidal, which means they are in a condition ready for immediate utilization by the animal. It can be fed free choice, used as a top dressing, or mixed in a TMR. It can improve the nutrition, health, and profitability of your animals. Can be fed to beef cattle, dairy cattle, horses, hogs, sheep and poultry.

50 lbs.: \$13.99 20+ \$12.99

Sunrise Farms Poultry "Layer" Feed - 50 lb. bag: \$24.99

Organic Soy-Free Layer 17% - 50 lb. bag: \$36.49\$8.99

Organic Poultry Scratch - 50 lb. bag: \$33.99\$18.99

Organic Soy-Free Poultry Broiler 18% - 50 lb. bag: \$39.49\$74.99

Organic Cracked Corn - 50 lb. bag: \$38.99

Organic Goat Feed 16% - 50 lb. bag: \$33.99

Organic Rabbit Feed – 50 lb. bag: \$39.99

Fertrell Poultry Nutribalancer

One of the best poultry supplements found on the market today. It contains kelp meal, probiotics, and essential vitamins to ensure that chickens have no deficiencies.

60 lbs.: \$76.99

Fertrell Sheep NutriBalancer

A premix vitamin & mineral supplement. A nutritionally complete premix, with no added synthetic copper.

60 lbs.: \$78.99

>INSECT AND PEST CONTROL

Red Lake Earth Diatomaceous Earth (Food Grade)

Remarkable, all-natural product that is so safe it may be rubbed right into your dog or cat's fur. Consists of fossilized remains of diatoms, a type of hard-shelled algae, that causes insects that come into contact with it to die of dehydration within 48 hours. Insect Dust (diatomaceous earth) controls ants, fleas, ticks, cockroaches, earwigs, slugs, beetles, grasshoppers, spiders and silverfish. This product may be used indoors or outdoors, and a dust-mask should be worn when applying. Other livestock benefits include:

- Manure is drier with much less odor
 - Reduces the presence of intestinal parasites
 - Improves feed efficiency and animal health
 - Inhibits mold growth in stored feed
 - Increase the amount of feed that is actually digested
- 5 lb. bag: \$6.99 40 lb. bag: \$24.99

Milky Spore

Milky Spore is a naturally occurring, host-specific bacterium (*Bacillus popilliae*-Dutky) that is lethal to Japanese beetle grubs. Grubs feed on grass roots, and spores applied to your turf are ingested by the grubs. Within 7-21 days, the grubs will die, releasing billions of new spores, controlling Japanese beetle populations for up to 15 years. Milky Spore is not harmful to beneficial insects, birds, bees, pets or humans. Milky Spore will not affect wells, ponds or streams. Suggested application: 10 oz. can treats 2,500 square feet. 40 oz. can treats 10,000 square feet.

10 oz. can: \$26.99 40 oz. can: \$79.99 20 lb. gran: \$35.99

Hot Pepper Wax Animal & Insect Repellent

This all-natural formula stops invading creatures such as rabbits, squirrels and chipmunks, and repels insects such as mites, leafhoppers, thrips, lace bugs, whiteflies and aphids both indoors and out on just about any type of plant. Hot Pepper Wax is also non-staining. Suggested application: 32 oz. concentrate treats 2,500 square feet.

22 oz. RTU spray bottle: \$9.99 16 oz. concentrate: \$11.99

Ferti-lome Dipel Dust (biological) Natural Control

FORMULATION: *Bacillus Thuringiensis* Kills worms biologically. One bite of treated foliage causes worms to stop feeding within minutes and eventually die. Kills and controls tomato horn worms, bagworms, armyworms, gypsy moth larvae, and other worms. Use on vegetables, shrubs, lawns, and flowers, applying as a dust at rates listed on label up to day of harvest.

1 lb. shaker: \$3.49

Valent Dipel DF Pro (wetable)

The active ingredient of DiPel® PRO DF is a potent strain of *Bacillus thuringiensis* var. *kurstaki* (Btk). It is the most widely used biological insecticide in the world, registered for use on a variety of plants to control more than 30 species of insects. For the greenhouse industry, DiPel PRO DF delivers outstanding control of worms, including loopers, tobacco budworms and armyworms. It's dry flowable (wetable) formulation is dust free and allows more convenient handling and more accurate measuring. DiPel PRO DF is a nonrestricted use pesticide and has minimal effect on humans, non-target animals or the environment. Its Restricted Entry Interval (REI) of four hours is the lowest allowed by law. Application rates vary from 1/4lb to 2lb per acre.

1 lb. bag: \$22.49

Pyganic 

Pyganic is a powerful, fast acting knockdown of pests in an organic garden. It's a pyrethrum base available in 1.4% and 5% strengths. This product is effective for more than 100 pests and can be sprayed up to day of harvest.

1.4% qt.: \$55.99

1.4% gal: \$186.99

5% qt.: \$164.99

Sluggo 

Sluggo Bait contains a unique blend of iron phosphate, an organic compound that breaks down into fertilizer. Controls snails and slugs yet is non-toxic to wildlife, people and pets. Slugs and snails typically die within three to six days of ingesting Sluggo, and it remains effective despite irrigation and rain.

1 lb.: \$8.99

2.5 lb.: \$19.99

40 lb. bag: \$62.99

Triple Action Neem Oil 

70% Clarified Hydrophobic Extract of Neem Oil

Neem oil can be used to treat aphids, spider mites, scale, whiteflies, beetles, leaf rollers and other insects. Diseases controlled: Flower, twig and tip blight, alternaria, scab, needle rust, botrytis, leaf spot, rust, anthracnose, downy mildew, black spot, and powdery mildew. May be applied up to day of harvest on all fruits and vegetables.

8 oz.: \$9.75

16 oz.: \$16.99

Safer Insect Killing Soap 

Safer Insect Killing Soap is a good solution for tough insect pest infestations. It works as a contact insecticide and has no residual effect. Spray plants every 7 to 10 days and apply at least three times to break the pests' reproductive cycle. One pint size concentrate makes 6 gallons of spray.

32 oz. RTU spray bottle: \$8.99

16 oz. concentrate: \$9.99

Safer 3 in 1 

Both a fungicide and an insecticide, Safer 3 in 1 controls powdery mildew, black spot, leaf spot, and rust. OMRI listed and compliant for use in organic gardening, this multi-insect control formula kills aphids, beetles, caterpillars, mealy bugs, thrips, whiteflies, mites, and other insects.

32oz concentrate: \$15.99

Organocide 

Organocide is an organic insecticide and fungicide that works on 25 common pest insects, and 4 problem diseases for plants. Controls pests such as mites, whiteflies, aphids, etc. Also stops fungal diseases like powdery mildew and black spots on roses. Effective solution that works to prevent pests and disease naturally.

24 oz. RTU spray bottle: \$11.75

32 oz. concentrate: \$17.99

Monterey Garden Insect Spray 

Monterey Garden Insect Spray uses Spinosad to effectively control thrips, leafminers, fire ants, diamond-back moths, borers and more. Gardeners mix four tablespoons of concentrated liquid Monterey Garden Insect Spray to one gallon of water (or as much is needed for a single treatment) for easy foliar applications. Derived through fermentation of a naturally-occurring soil bacterium, this fast-acting insecticide is listed by the Organic Materials Review Institute (OMRI) and can be used on fruit and vegetable crops, ornamentals and turf.

1 pint: \$17.99

1 quart: \$32.99

1 gallon: \$92.99

Surround 

Made from modified kaolin clay, Surround WP is sprayed on as a liquid, which evaporates, leaving a protective powdery film on the surfaces of leaves, stems, and fruit. The film works to protect plants and deter insects in several ways. Tiny particles of the clay attach to the insects when they contact it, agitating and repelling them. Even if particles don't attach to their bodies, the insects find the coated plant or fruit unsuitable for feeding and egg-laying. Controls a long list of insect pests on vegetables, fruit trees, ornamentals and more. Can be applied up to the day of harvest.

25 lbs.: \$34.99

Azamax – Botanical Insecticide/Miticide/Nematicide 

Derived from Azadirachtin (one of the active ingredients from neem), Azamax will control spider mites, thrips, fungus gnats, aphids, whiteflies, leaf miners, worms, beetles, leafhoppers, scales, mealy bugs, nematodes and other soil borne pests. AzaMax is an antifeedant and insect growth regulator and controls pests through starvation and growth disruption.

pint: \$59.99

quart: \$99.99

gallon: \$324.99

>FUNGICIDES**Safer Fungicide** 

Safer Garden Fungicide prevents and controls black spot, rust, leaf spot and powdery mildew on fruits, vegetables and ornamentals. This is a naturally-based sulfur formula that can be used up to the day of harvest. Convenient one quart ready-to-use spray bottle.

32 oz. RTU spray bottle: \$8.99

32 oz. concentrate: \$13.99

Serenade 

Serenade Garden provides protection against a broad spectrum of the most common fungal and bacterial garden diseases including early blight, powdery mildew, rust, and many more yet is completely non-toxic to bees and beneficial insects. It is so safe you can confidently harvest and eat fruits and vegetables the very same day they are treated. Unlike sulfur-based disease control products, Serenade Garden is non-irritating to skin and lungs.

32 oz. RTU spray bottle: \$8.99

32 oz. concentrate: \$17.99

Cease 

Identical in makeup to Serenade, Cease has an additional indoor/greenhouse label.

1 gal.: \$69.99

OxiDate 

OxiDate kills bacterial and fungal pathogens, offering superior crop protection. Use OxiDate for curative and preventative applications, or tank mix with other residual fungicides to help provide immediate knockdown control. With Oxidate, zero days to harvest and zero hour re-entry interval* allow growers to spray right up to harvest.

2.5 gallons: \$139.99

Bonide Copper Fungicide

Copper Sulfate 7.0%. Use this for controlling early and late blight, leaf spots, downy mildew, anthracnose and certain other fungal diseases on various vegetables, flowers, ornamentals and fruits. Won't burn plants.

32 oz RTU: \$7.99

16 oz concentrate: \$14.99

>HERBICIDES

Burnout II Weed and Grass Killer

Made of clove oil, vinegar, and other food grade ingredients, this product actually works faster than harsh chemicals. Burnout is non-toxic and pet-safe. It is biodegradable and will not accumulate in soil. For non-selective control of herbaceous broadleaf and grass weeds such as Chickweed, Black Medic, Dandelion, Pigweed, Algae and Moss, Foxtail, Ivy Leaf, Morning Glory, Poison Hemlock, Milkweed, Liverwort, Ragweed, Clover, Sicklepod, Quackgrass, and Bluegrass. Suggested application: 1 gallon RTU treats 600 sq. ft.; 75 gallons RTU treats 1 acre. Dilute concentrate 2:1 with water for entrenched weeds, 4:1 with water for just-sprouted weeds.

24 oz. RTU spray bottle: \$7.49

1 gallon concentrate: \$40.99

2.5 gallon concentrate: \$83.49

Poison Ivy Defoliant

This powerful poison ivy control is made from natural plant oils including clove oil, and quickly and effectively gets rid of poison ivy, poison sumac, brush-type weeds and poison oak. Use directly anywhere poisonous plants exist. 24 hour defoliation; keeps on working. Suggested application: 1 gallon RTU jug treats 600 sq. ft.

64 oz. RTU: \$21.99

1 gallon RTU: \$37.99

Mcgeary Corn Gluten

Developed by Iowa State University, Bradfield contains 1005 corn gluten, a naturally occurring substance, which inhibits the growth of a seed's tiny feeder roots. This causes the weed seedlings to die before they germinate. Effective against germination of: Crabgrass, Dandelions, Clover, Lamb's Quarters, Purslane, Curly Dock, Creeping Bentgrass, Pigweed, and Barnyard Grass, among others. Suggested application: Apply in very early Spring, 3 to 5 weeks before the weeds begin to sprout at the rate of 50 lbs per 2,500 sq. ft.

40 lb. bag: \$32.49 20+ bags: \$30.49

>INNOCULANTS

INTX Guard-N Bean and Pea Innoculant

1.5 oz: \$7.49 (treats 8 lbs.)

INTX N-Dure Bean and Pea Innoculant

for peas, beans, and vetch.

6 oz.: \$7.49 (treats 50 lbs.)

NOP approved for organic production.

INTX N-Dure Alfalfa / True Clover

NOP approved for organic production.

6 oz.: \$7.49 (treats 50 lbs.)

>SEEDS

Cover Crop Seeds - All seeds are Non GMO and non treated.

Alfalfa	50 lbs: \$171.99
Austrian Winter Peas	50 lbs: \$35.99
Barley - Organic	50 lbs: \$24.99
Buckwheat	50 lbs: \$57.99
Clover - White Dutch	50 lbs: \$178.99
Clover - Crimson	50 lbs: \$74.49
Common Vetch	50 lbs: \$62.99
Hairy Vetch	50 lbs: \$103.99
Cow Peas	50 lbs: \$89.99
Japanese Millet	50 lbs: \$40.49
Oats	48 lbs: \$25.99
Sorgum Sudangrass	50 lbs: \$27.99
Winter Rye	50 lbs: \$22.99
Wheat - Organic	50 lbs: \$23.49

>GENERAL PRODUCTS

Greenhouse poly

SUPER DURA-FILM® 4 - 6 mil, super tough, super clear, UV stabilized film with a full 4 year warranty against UV degradation. Also available in tube form and shading. (other sizes available for special order - allow 1 week for delivery). 6 mil/4 year 24'x100'

\$85.99 per roll

\$3.99 24' x linear foot

Dewitt Frost Cover 1.5oz 10' x 500'

DeWitt's 1.5 oz. Frost Protection fabric (N-Sulate) is a medium weight, permeable, UV treated cloth designed to protect plants from frost, cold and freezing temperatures. N-Sulate helps ensure a greater number of unblemished blossoms on your spring-flowering trees and shrubs. Great for use on all plants including new transplants. This fabric installs easily and is reusable. N-Sulate can lengthen your harvest time and extend your flowering season. 1.5 oz per sq. yd.

\$271.99 per roll

\$0.85 per linear foot

Dewitt Frost Cover .5oz 10' x 500'

Like the heavier N-Sulate cover, the .5 oz can be used as a season extender by protecting crops from early fall or late spring frost. This material is light enough to be used as a pest barrier through spring to protect precious transplants from being attacked. .5 oz per sq yd..

\$92.99 per roll

\$0.49 per linear foot

FloMaster Back Pack Sprayer

This hefty sprayer holds up to three gallons of water, plant food, insecticide, or weed killer in the translucent plastic tank. The 4" diameter opening allows the tank to fill quickly, while the included fine mesh filter prevents liquids from clogging. A dual head nozzle can also angle

forward or backward, offering the maximum amount of coverage for your plants. For more versatility, the red cap in the middle can be placed on one of the nozzle heads for a smaller coverage area. The comfortable gray plastic handle depresses easily, for quick work in watering your plants, terminating weeds, or eradicating insects. The included gray strap connects to the top and base of the sprayer and is adjustable on both sides for a comfortable pack. The sturdy pumping arm can be used right-or left-handed simply by moving the straps on the pack. Piston pumping action from the arm allows for continuous spraying.

\$62.99

Claber Single Zone Water Timer

With only 3 programming buttons and easy to read digital screen, this single line timer allows 2 customized watering cycles per day from as little as 1 minute up to 23 hours; 7 days in advance. Weekly and/or manual programs may also be stored into the timer. Patented circuitry is completely sealed and watertight to prevent damage to electronic parts. Built-in stainless steel filter traps harmful contaminants that could clog or damage valves. Operates on one 9v battery (not included).

\$69.99

Claber Dual Zone Water Timer

This unique dual line timer allows for 2 operational lines with complete independent programming from one hose bib with up to 3 starts per day, per line. With only 3 programming buttons and easy to read digital screen, one or both lines can be programmed for customized watering cycles from as little as 1 minute up to 23 hours; 7 days in advance. Weekly and/or manual programs may also be stored into the timer. Patented circuitry is completely sealed and watertight to prevent damage to electronic parts. Built-in stainless steel filter traps harmful contaminants that could clog or damage valves. Operates on one 9v battery (not included).

\$132.49

Control Wizard Soil PH Meter

Professional pH and Moisture Meter with 12” probe that is superior to other probe style meters on the market . Clean the electrodes and place the meter into the soil and a pH reading is automatically displayed. Press the white button and a moisture reading is displayed. VERY accurate and simple. No batteries are required. 1 year limited warranty.

\$74.99

Flat Tray - webbed	\$0.70/each	\$29.99 for case of 50
Flat Tray - w/out holes	\$0.90/each	\$85.99 for case of 100
Flat Tray - w/holes	\$0.90/each	\$85.99 for case of 100
Insert - 72 cell	\$0.75/each	for case of 100
Insert - 18 cell	\$0.75/each	\$65.99 for case of 100
Insert – 18 cell (deep)	\$0.80/each	\$68.99 for case of 100
Humidome - Short	\$1.75/each	\$86.99 for case of 50
Plug Tray (Stong) - 72 Cell	\$1.49/each	\$138.99 for case of 100



ASHEVILLE: 45 Banks Avenue ★ 828.253.4112

Asheville Warehouse: 21-B Westside Drive

CARRBORO: 106 S. Greensboro Street ★ 919.932.7600

CHARLOTTESVILLE: 900 Preston Avenue ★ 434.293.2332

GREENSBORO: 1616 Battleground Avenue ★ 336.271.3373

RALEIGH: 5619 Hillsborough Street ★ 919.852.4747

Pittsboro Warehouse: 1021 Chicken Bridge Road ★ 919.542.0126

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