



# HEMP GROWERS WHOLESALE CATALOG



# **NORTH CAROLINA'S LEADER IN INDOOR GROWING AND ORGANICS SINCE 1998.**

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Fifth Season Gardening is the natural place to turn for hemp-related supplies, equipment, and expertise in North Carolina. In addition to carrying high-quality, organic CBD products for our retail customers, our years of experience in the hydroponics industry makes us uniquely suited to work with commercially-licensed hemp farmers. From cloning, to maximizing plant health and productivity, to preparing your product for market, our offerings are extensive, including a full range of consulting services. We are dedicated to providing hemp growers and organic farmers with the best available products and services at reasonable prices. We are excited that our state is taking the lead in developing the commercial hemp market, and we are dedicated to helping North Carolina's growers succeed!

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If you are a hemp grower or interested in becoming one, please review our catalog and let's discuss your needs. Please contact the Fifth Season store closest to you with questions or to place an order:

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

# 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: \$34.50      20-39 bags: \$33.00      40 bags (pallet): \$32.00**

## HARMONY AG. (5-4-3)

Made from 100% all-natural composted poultry layer manure. All-purpose for vegetables, fruits, turf, 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: \$19.75      20-39 bags: \$18.75      40 bags (pallet): \$17.75**

# LIQUID FERTILIZERS

## BROWN'S FISH FERTILIZER (2-3-1)

Brown's Fish Hydrolysate is an organic, highly nutritional protein fertilizer made in Western N.C from freshwater fish. It is produced using a cold process, in which naturally-occurring enzymes break down the fish from a solid into a liquid, retaining the micronutrients and amino acids that soils and plants need. 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, and used in drip-line systems.

**5 gallon: \$62.00      15 gallon: \$119.50      55 gallon drum: \$332.75**

## FOXFARM BIG BLOOM (0-0.5-0.7)

This special, micro-brewed formula incorporates earthworm castings, bat guano, and other high-test organic ingredients that offer a full range of nutrients. Norwegian kelp improves nutrient uptake in plants and increases yields. Rock phosphate helps transfer energy from one part of the plant to another, which means bigger buds and more fragrant flowers.

**5 gallon: \$202.00      15 gallon: \$485.00**

## FOXFARM GRINGO RASTA CAL-MAG

Derived from calcium carbonate, magnesium sulfate and soy protein hydrolysate. Contains 3% calcium and 0.9% magnesium.

**1 gallon: \$69.75      5 gallon: \$299.00**

## FOXFARM BUSH DOCTOR LIQUID IRON

Guaranteed Analysis: 1.00% water soluble nitrogen and 5.00% water soluble iron. Derived from ferrous sulfate and soy protein hydrolysate.

**1 gallon: \$135.00      5+ gallons: \$127.75**

## **FOXFARM BUSH DOCTOR LIQUID MANGANESE**

Guaranteed Analysis: 1.00% water soluble nitrogen and 5.00% water soluble manganese. Derived from manganese sulfate and soy protein hydrolysate

**1 gallon: \$135.00      5+ gallons: \$127.75**

## **NEPTUNE'S HARVEST HYDROLIZED 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 natural 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.

**5 gallon: \$108.00**

## **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.

**5 gallon: \$120.00**

## **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.

**5 gallon: \$135.00**

## **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.

**1 gallon: \$70.25**

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

# N-P-K AMENDMENTS

## NITROGEN (N) SOURCES

### 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: \$25.50      20-39 bags: \$24.50      40 bags (pallet): \$23.75**

### 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: \$51.75      20-39 bags: \$49.75      40 bags (pallet): \$48.75**

### 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: \$37.00      20-55 bags: \$35.75      56 bags (pallet): \$34.75**

### 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: \$23.25      20-39 bags: \$22.25      40 bags (pallet): \$21.25**

### 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: \$32.00      20-39 bags: \$30.00      40 bags (pallet): \$29.00**

### 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.

**50 lb. bag: \$78.00      10-19 bags: \$77.00      20+ bags: \$76.00**

# PHOSPHOROUS (P) SOURCES

## FISH BONE MEAL

A marine-based alternative to traditional steamed bone meal, and a great source of organic phosphorus and calcium (12%-17%). Derived from fresh cuttings of marine whitefish processed for human consumption. The raw material is cooked, and the bone is separated and dried under high temperature/short time conditions. The meal is a light brown in color and is a free flowing powder with a mild fish smell and free from any foreign material or bone pieces. Typical analysis: 5-16-0. NOP approved for organic crop production.

**50 lb. bag: \$52.00**

## CRAB SHELL

Made from 100% Blue Crab with no other additives. Crab shell is an excellent source of NPK, Calcium, (18%) and micronutrients. The high levels of chitin in crab shell create a perfect feeding ground for chitin-eating bacteria, thereby increasing the bacteria's population. These bacteria, in turn, feed on the chitin-rich cell walls of nematodes and fungi present in the soil. The increased presence of chitin in the soil also triggers a defense response in the plant causing a release of chitin destroying enzymes, thus increasing the plants' defense mechanisms and immune response. In this way, the crab shell inadvertently creates a hostile environment for nematodes and fungi and strengthens plants.

**50 lb. bag: \$42.00**

**20-39 bags: \$40.50**

**40 bags (pallet): \$39.75**

## PAR 4 GRANULATED STEAMED 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: \$38.25**

**20-39 bags: \$37.50**

**40 bags (pallet): \$36.75**

## TENNESSEE BROWN 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: \$13.50**

**20-39 bags: \$12.75**

**40 bags (pallet): \$12.25**

## 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: \$14.50**

**20-39 bags: \$13.75**

**40 bags (pallet): \$13.25**

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# POTASSIUM (K) SOURCES

## AGSIL 16H POTASSIUM SILICATE POWDER 52% SiO2

AgSil is a bionutrient source for potassium and silicon that helps plants to resist toxicity from phosphorous, manganese, aluminum and iron, and increases tolerance to salt. AgSil also aids in resistance to drought by reducing water loss, and in some cases it may increase growth and yield.

**5 lb box: \$32.75      50 lb bag: \$317.00**

## SULFATE OF POTASH (GRANULAR)

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

**50 lb. bag: \$41.50      20-39 bags: \$40.50      40 bags (pallet): \$39.50**

## SUNFLOWER HULL ASH

Sunflower hull ash (0-4-34) + 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 to 20 mesh. A potassium from a renewable source (not mined) with 4% phosphorus plus trace elements. Enriches the soil and tempers acidity. Improves soil structure and microbial flora. Its high pH (10) is beneficial for flowers and perennials when mixed with compost and other organic materials. Not recommended in alkaline soils with acidity pH 7 and above or for acid-loving plants.

**50 lb bag: \$39.75**

## THORVIN ICELANDIC KELP MEAL - CERTIFIED ORGANIC

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. Thorvin Kelp Meal is made from sustainably-harvested, 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: \$72.00      20-39 bags: \$70.00      40 bags (pallet): \$68.00**

# OTHER SOIL AMENDMENTS

## AZOMITE MICRONIZED OR PELLETIZED SOIL RE-MINERALIZER

This naturally-occurring 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). The 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. Also available in pelletized form.

**Micronized: 44 lb. bag: \$21.75      20-49 bags: \$20.25      50 bags (pallet): \$19.50**

**Pelletized: 44 lb. bag: \$21.75      20-49 bags: \$20.25      50 bags (pallet): \$19.50**

## **SEA-90 MINERALS**

Restores elemental balance to soils, microbes, pasture crops, and livestock. Over fifteen million gallons of seawater are used each year for the production of SEA-90 minerals and trace elements. Microbes in the soil feast on the minerals and trace elements, and their populations expand, improving soil biology and, ultimately, the health of your plants. Additionally, as little as one ounce of SEA-90 Essential Minerals fed daily to livestock provides nearly complete mineral nutrition.

**50 lb. bag: \$29.50**

## **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: \$11.85**

**20-39 bags: \$11.25**

**40 bags (pallet): \$10.25**

## **BIOCHAR SOURCE FROM CHARGRO**

This product is a synergistic biochar blend that is specifically designed to help build the fertility of your soil. BioChar is an ancient technology that has been refined for modern day use. Through its interaction with soil microbes and plant roots, the benefits include improved germination, stimulated plant growth, increased water retention, and extended carbon reserves built up in your soil.

**20 qt. bag: \$22.00**

**10-19 bags: \$21.00**

**20+ bags: \$20.00**

**40 qt. bag: \$36.00**

**10-19 bags: \$35.00**

**20+ bags: \$34.00**

## **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: \$11.50**

**20-39 bags: \$10.50**

**40 bags (pallet): \$9.50**

## **HI-CAL LIME (PULVERIZED)**

This product raises soil pH and increases the release of phosphorus 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.

**50 lb. bag: \$5.75**

**25-54 bags: \$5.25**

**55 bags (pallet): \$4.75**

## **DOLOMITIC LIME**

Use this liming product when soil test shows low magnesium levels.

**40 lb. bag: \$6.50**

**20-39 bags: \$6.15**

**40 bags (pallet): \$5.75**

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## MENELEE 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: \$32.00**

**20-39 bags: \$31.00**

**40 bags (pallet): \$30.00**

## SOLUBOR 20.5% BORON

Manufactured to combine the highest concentration of boron with the maximum possible dispersion and solubility in water. As such, it has a number of different uses in agro-industrial markets, in addition to its long established role in farm sprays. The relatively small quantities needed to correct deficiency make it an economical source of boron. Formulated for spraying, fertigation, and use in hydroponic systems.

**5 lb bag: \$18.00**

# HYDROPONIC FERTILIZERS

We carry many brands of hydroponic fertilizers and supplements, including Foxfarm, Canna, Emerald Harvest, General Hydroponics, Botanicare, Veg+Bloom, and more.

If you would like a quote, please contact us.

# GROWING MIXES AND MEDIA

## FOXFARM OCEAN FOREST

Ocean Forest is a powerhouse blend of premium earthworm castings, bat guano, and sea-going fish and crab meal. Aged forest products, sandy loam, and sphagnum peat moss give Ocean Forest its light, aerated texture.

**1.5 cf bag: \$17.00**

**35-74 bags: \$16.25**

**75 bags (pallet): \$15.50**

**55 cf tote: \$577.00**

## FOXFARM COCO LOCO

Coco Loco Potting Mix has the ability to hold more than its weight in water—while still draining well. Lower humidity reduces the possibility of attracting mold and root rot, as well as leaving insects less likely to bother your potted plants.

**2 cf bag: \$18.50**

**25-47 bags: \$17.25**

**48 bags (pallet): \$16.75**

**27 cu ft tote: \$285.00**

**55 cf tote: \$500**

## FOXFARM HAPPY FROG POTTING SOIL

Perfect all-purpose potting soil for indoor and outdoor containers or raised beds. Contains mycorrhizae and humic acid to ensure optimal root development and nutrient uptake. Contains earthworm castings and bat guano for increased flower production.

**2 cf bag: \$18.25      30-59 bags: \$17.25      60 bags (pallet): \$16.25      55 cf tote: \$465.00**

## DIRTCRAFT ORGANICS GRAVITY GROWERS MIX

(made locally in Marshall, NC) An all-purpose, coco-based potting soil for indoor and outdoor container gardening. Ingredients include: Coco Fiber, Compost, Aged Forest Bark, Perlite, Diatomaceous Clay, Gypsum, Feather Meal, Bone Meal, Mycorrhizae.

**1.5 cf bags: \$15.00      20-39 bags: \$14.00      40 bags (pallet): \$13.00**

**1 cu yd. totes available for delivery only: call for pricing**

## DIRTCRAFT ORGANICS LEVITATION SEEDLING MIX

(made locally in Marshall, NC) A lightweight potting soil engineered for seed starting & growing vigorous transplants. Featuring renewable alternatives to peat and perlite, Levitation provides the ideal balance of water retention and porosity for big root growth. This mix is chock full of organic fertilizers, essential minerals and natural soil conditioners. Levitation has everything your plants need for the initial weeks of plant growth or until roots fill the container.

**1.5 cf bags: \$18.00      20-39 bags: \$17.00      40 bags (pallet): \$16.00**

**1 cu yd. totes available for delivery only: call for pricing**

## 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.

**1/20 cu yd. bag: \$16.00      20-39 bags: \$15.00      40 bags (pallet): \$14.00**

## 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.

**1/20 cu. yard bag: \$15.20      20-39 bags: \$14.25      40 bags (pallet): \$13.50**

## 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 cf. bale: \$36.25      30 bales (pallet): \$34.25**

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## PROMIX BX WITH MYCORRHIZAE

General purpose peat-based growing medium containing a beneficial mycorrhizal inoculum (*Glomus intraradices*). Designed for general greenhouse use and transplanting applications.

**3.8 cf. bale: \$34.00      30 bales (pallet): \$31.50**

## BLACK GOLD JUST COIR COCO

Coir is a great media to amend into soil mixes. It can be compared to peat in its application, but has a few advantages. Coir is sustainably harvested, has an ideal pH (5.5 – 6.5), and does not break down as fast as peat. It also has excellent water-holding capacity. Many growers amend their peat-based mixes with coir to improve soil quality.

**2 cu. ft.: \$16.80      20-39 bags: \$15.80      40 bags (pallet): \$14.80**

## COAST OF MAINE QUODDY BLEND LOBSTER COMPOST

The original “seafood” compost. Made with chitin-rich lobster blended with peat, humus, and compost. The result is a dark-brown, complex soil that drains well and is ideal for conditioning beds and borders.

**1 cu. ft. bag: \$10.50      40-79 bags: \$9.50      80 bags (pallet): \$8.50**

## INSECT FRASS FROM FRASS VALLEY

Contains 16.9% Chitin. Excellent ingredient in compost teas or top dresses. Great for building beneficial fungi.

**3 lb. bag: \$19.50      10 lb bucket: \$48.00**

## MALIBU BIODYNAMIC COMPOST

Excellent compost to improve biodiversity in soils. Ingredients: Dairy cow manure, straw, vineyard wood chips, and biodynamic concentrations of yarrow, chamomile, valerian, stinging nettle, dandelion, and oak bark.

**1 cu ft. bag: \$21.75      25-49 bags: \$21.00      50 bags (pallet): \$20.75      2 yd tote: \$765.00**

## 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: \$8.75      30-59 bags: \$8.00      60 bags (pallet): \$7.25**

## WIGGLE WORM SOIL BUILDER WORM CASTINGS

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 cost-effective because just a little achieves big results. These castings are rich in microbial life and nitrogen-fixing bacteria.

**30 lb. bag: \$17.75      35-74 bags: \$16.75      75 bags (pallet): \$15.75**

## 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.

**3.8 cf. bag: \$16.75**

## PERLITE

Perlite is traditionally used to aerate heavy potting mixes, clay soils, and even compost. Holds moisture, and provides aeration to the soil. Perlite is an amorphous volcanic glass formed by the hydration of obsidian. Asbestos-free. NOP approved for organic production.

**4cft. bag: \$14.40**

## 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. Asbestos-free. NOP approved for organic production.

**Coarse: 4cft bag: \$24.80    30 bags (pallet): \$23.50**

**Medium: 4cft bag: \$16.50    30 bags (pallet): \$15.50**

# SOIL INOCULANTS AND ENHANCERS

## XTREME GARDENING AZOS

Azos is a beneficial microbe that sparks new root development and boosts growth. Azos works by rapidly increasing plant production of IAA (indole-3 acetic acid), a natural plant hormone, affecting cell division, growth rates and plant and root development. Azos enhances growth by converting atmospheric nitrogen into a usable form available to plant roots. Use Azos to quickly and naturally root new cuttings; add to transplants to kick-start new development, and add to hydroponic reservoirs to feed and fuel abundant growth.

**12 oz bag: \$42.40            8 lb or 20 lb: Call for quote**

## 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 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: \$43.25**

## EM-1

This microbial Inoculant is a naturally-fermented, live microbial product. EM-1 Microbial Treatment is a safe alternative to synthetic chemicals that can be used for all plants, soils, cut flowers, fish ponds, composting, and deodorizing. It is completely non-toxic and safe for humans, animals, and the planet.

### ACTIVE INGREDIENTS:

Microorganisms: 1 million colony forming units/cc (units/ml), 1%: Lactobacillus plantarum, Lactobacillus casei, Lactobacillus fermentum, Lactobacillus delbrueckii, Bacillus subtilis, Saccharomyces cerevisiae, Rhodospseudomonas palustris.

**1 quart: \$36.00**

**1 gallon: \$72.50**

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

## **MAMMOTH P**

An organically-derived microbial inoculant that maximizes phosphorus and micronutrient cycling to maximize bud growth, increase yield, and enhance plant health.

**500 ml: \$119.00**

**1 ltr: \$182.50**

**4 ltr or 5 gal: Call for quote**

## **XTREME MYKOS WP**

MYKOS is a fast-growing, beneficial fungus that increases nutrient and water uptake by forming a symbiotic relationship with the roots of a plant. MYKOS is essential to break down, cycle, and retain nutrients, as well as to provide a front line of defense against environmental stresses, pathogens, and diseases. MYKOS will continue to grow with your plants, becoming an extension of the roots, and administering better efficiency and sustainability. With a larger and healthier root system, plants are given the opportunity to increase crop yields and secondary metabolites.

**2.2 lb bag: \$50.40**

**15 lb bag: \$295.00**

## **MICROBE LIFE PHOTOSYNTHESIS PLUS**

Photosynthesis Plus enhances plant functions at the foliar level and the root zone in both soil and soilless substrates. Enhances photosynthesis and biological function by allowing plants to capture and utilize radiant energy more efficiently. Speeds uptake and distribution of essential macronutrients and micronutrients required for all plant metabolic functions and growth.

**1 gallon concentrate: \$64.00**

# **INSECT AND PEST CONTROL**

Fifth Season has always promoted natural and organic methods for controlling pests. We carry many certified organic sprays that can be used to safely target specific pests for hemp production. While we believe that pest controls are appropriate at certain times, we highly encourage the use of best practices and preventative measures. This section of the catalog will be updated as new products are released. If a product becomes banned for any reason, we will remove it from the catalog.

## **BIOWORKS BOTANIGARD**

BotaniGard ES is a mycoinsecticide for the control of whitefly, aphids, thrips, and more. Labeled for use on ornamentals and vegetables in greenhouses, nurseries, commercial landscapes, interiorscapes and turf. Liquid formulation. Active ingredient: Beauveria bassiana

**1 qt.: \$135.50**

## **FOXFARM BUSH DOCTOR FORCE OF NATURE INSECT REPELLENT**

Force of Nature Insect Repellent is an all-natural insect repellent made from pure garlic juice. When applied, the strong garlic odor dissipates within a few minutes, but remains offensive to insect pests for days. Force of Nature Insect Repellent can be used as a repellent for soft-bodied flying insects such as aphids, leafhoppers, whiteflies, and thrips. It is safe to use, handle, and store. It has no plant toxicity and is non-toxic to humans and animals. Makes 25 gallons of solution.

**1 quart: \$52.00**

## **FOXFARM BUSH DOCTOR FORCE OF NATURE MITICIDE**

Force of Nature® Miticide has shown the ability in independent, replicated field and greenhouse trials to control mite populations for 3–4 weeks with a 1% spray solution. Controls mites, thrips, and aphids. Makes 25 gallons of solution.

**1 quart: \$55.25**

## **RED LAKE EARTH DIATOMACEOUS EARTH (FOOD GRADE)**

Red Lake Diatomaceous Earth is a unique, naturally-occurring mineral deposit that typically contains 35% Diatomaceous Earth (skeletal remains of algae) and 35% Montmorillonite (calcium rich volcanic deposit).

A dust-mask should be worn when applying.

**40 lb. bag: \$25.60      20+ bags: 24.60**

## **VALENT DIPEL DF PRO (WETTABLE)**

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 delivers outstanding control of worms, including loopers, tobacco budworms, and armyworms. Its dry flowable (wetable) formulation is dust-free and allows more convenient handling and more accurate measuring. DiPel PRO DF is a non-restricted use pesticide and has minimal effect on humans, non-target animals, and 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: \$24.00      10+ bags: 23.00**

## **GNATROL LARVICIDE**

Gnatrol is a highly selective, biological larvicide for use in greenhouses to control fungus gnat larvae. It may be used on a wide variety of ornamentals, as well as all bulb crops, bedding plants and vegetable sets. Once the larvae have ingested Gnatrol, they become paralyzed, stop feeding immediately and die—usually within 24 hours. Gnatrol is now available in a water dispersible granule (WDG) formulation that will not leave a residue and is easier to measure for increased application accuracy.

**16 lb. pail: \$553.00**

## **MARRONE BIO INNOVATIONS GRANDEVO**

Start strong to protect your plants from nutrient-robbing mites, thrips and aphids that impact yield and quality of your plants. Can be used on organic, biological products. Start early, before infestation occurs, by applying 2 to 4 tablespoons per gallon every 7-10 days. Multiple modes of action: repellency, ingestion, and reproduction disruption. Easy on pollinators and beneficial insects. Alternate with Venerate CG.

**1 lb. container: \$47.75      4 lb. container: \$158.50**

## **MARRONE BIO INNOVATIONS VENERATE**

Your biological go-to insecticide, Venerate CG is an in-season insecticide with multiple modes of action to beat down pests, impacting the health and productivity of your plants. Excellent IPM for spider mites, russet mites, aphids and thrips. Apply 2-5 tablespoons per gallon at 7-day intervals. No limit to number of applications per season. Multiple modes of action: exoskeleton degradation, ingestion, and molting interference. Alternate with Grandevo CG.

**1 quart concentrate: \$64.50      1 gallon concentrate: \$170.00**

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

## **MONTEREY HORTICULTURAL OIL**

Controls powdery mildew, rust, botrytis, mites, aphids, scale, leafminers, fungus gnats, and most soft-bodied insects. Mode of action is through suffocation of eggs, larvae, nymphs, and adults of soft bodied insects. Its mode of action requires total spray coverage. As a fungicide, it interferes with the attachment of the pathogen to the host, and acts to suffocate the organism.

**1 quart concentrate: \$15.50      1 gallon concentrate: \$41.00**

## **NEEM OIL 70%**

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, altemaria, scab, needle rust, botrytis, leaf spot, rust, anthracnose, downy mildew, black spot, and powdery mildew.

**1 gallon: \$97.00**

## **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 spot. Effective solution that works to prevent pests and disease naturally.

**32 oz. concentrate: \$16.75**

## **PYGANIC**

Pyganic provides 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% quart: \$60.00      5% quart: \$224.00**

## **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.

**5 lb. container: \$28.80      40 lb. bag: \$159.00**

## **SAFER INSECT KILLING SOAP**

Safer Insect Killing Soap is a good solution for tough insect 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 cycles. One pint-size concentrate makes 6 gallons of spray.

**16 oz. concentrate: \$10.40**

## **SNS 209**

SNS 209 All Natural Systemic Pest Control provides a barrier that protects plants against damaging insects. SNS 209's unique formula works by allowing the plant to uptake a small amount of rosemeric acid from the rosemary plant. When an insect starts to suck or chew on the plant, it comes in contact with the rosemeric acid, which causes the insect to stop eating, move on, or die.

**1 gallon concentrate: \$89.00**

## **SNS 217C**

SNS 217C™ kills mites and their eggs. It is fully biodegradable and non-toxic to animals. How it works: Natural salts and fatty acids derived from rosemary extracts disrupt the insect cell structure. Cell contents then leak from damaged cells causing spider mites to dehydrate and die. SNS 217C™ kills the spider mite eggs by coating them with an oily shield that disrupts the respiration to the egg; therefore no hatching will occur, they will just dry out.

**16 oz concentrate: \$64.00      1 gallon concentrate: Call for a quote**

## **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.: \$46.00**

## **THERM X-70**

Therm X-70 is a natural wetting agent derived from yucca and contains 20% saponin extracted from Yucca schidigera. Saponin is a natural compound which helps plants overcome adverse water conditions and serves as a great spreader/sticker for other sprays. Use Therm X-70 to increase your crop's ability to establish itself in stressed conditions, as well as increase its water and fertilizer uptake. Therm X-70 increases permeability in heavy clay soil, and reduces salt and alkali problems by improving drainage. It also stimulates root growth, extending the area irrigation reaches. When it is applied to a stressed area, there are immediate noticeable results. It will reduce irrigation costs because the crop can go longer between irrigation cycles.

**1 quart concentrate: \$24.25**

## **YELLOW SENSOR CARDS**

Featuring superior, posi-trap glue, these durable, long-lasting pest monitoring and trapping cards are designed to catch a variety of pests, including winged aphids, leafminer adults, thrips, whiteflies, fungus gnat adults, shore flies, fruit flies, leafhoppers and other flying insects. The 3 in x 5 in Sensor Cards are packed in a poly-bag and coated on both sides with non-drip glue that will not stick to skin. Sensor Cards also feature non-sticky edges for easier handling.

**Case of 50: \$35.00      5+ cases: \$32.00**

# **BENEFICIAL INSECT ORDERS**

During the early spring and through summer, Fifth Season places orders from our supplier on a regular basis. Anyone that has placed orders for beneficial insects online knows how expensive the shipping can be. If you would like to place a special order with us, there's a good chance we can reduce shipping costs for you.

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# FUNGICIDES

## **ACTINOVATE**

Actinovate L & G contains a high concentration of a patented beneficial microorganism. When applied, the Actinovate L & G microbe grows on the plant's roots and leaves, living off the plant's by-products while at the same time attacking harmful, disease-causing pathogens. This natural product effectively suppresses and controls a wide range of foliar and root diseases. Safe for vegetables, flowers, fruits, trees and shrubs to prevent pythium, phytophthora, rhizoctonia, fusarium and other root diseases, while combating foliar diseases such as mildew, grey mold, leaf spots, black spot and rust. 100% water-soluble, safe around pets, and environmentally friendly. Use as directed for optimal results, and can be used with your existing feeding regimen.

**18 oz.: \$118.00**

## **FOXFARM BUSH DOCTOR FORCE OF NATURE FUNGICIDE**

Force of Nature Fungicide controls powdery mildew on several types of crops such as cucumbers, melons, squash, tomatoes, tree crops, grapes, flowers and others. Can be used in the field or greenhouse. Apply to foliage at application rate of 1.5 fl. oz. to 1 gallon water. Read full instructions before applying. Active Ingredients: Cottonseed Oil - 30%, Corn Oil - 30%, Garlic Oil - 23%, Other Ingredients (sodium bicarbonate, oleic acid, lauric acid, water - 17%

**1 quart: \$36.75**

## **GREENCURE**

GreenCure is a potassium bicarbonate-based, broad-spectrum foliar fungicide that cures and prevents powdery mildew, black spot, downy mildew, botrytis blight, gray mold, anthracnose, rust and other mold, mildew, and garden fungi-related plant diseases. GreenCure is EPA registered for use on over 85 different annual and perennial flowers, woody and ornamental shade trees, roses, herbaceous ornamentals, many herbs, vegetables and fruit and nut trees. Registered for organic production.

**8 oz. container: \$13.60    40 oz. container: \$56.00**

## **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.

**16 oz. concentrate: \$10.40**

## **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. concentrate: \$18.50**

## **SNS 244C**

Kills fungus and mildew and is highly effective for the control of a broad spectrum of vegetable, fruit and ornamental plant fungal diseases. As a topical spray SNS 244C kills the fungus through a biochemical interaction on the spores. Some of the components of SNS 244C are also absorbed systemically by the plant, suppressing the life cycle of the fungal spores and nurturing the plant cells to increase the plant's ability to fight the disease.

**32 oz. concentrate: \$37.25    1 gallon concentrate: \$89.00**

## **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 intervals allow growers to spray right up to harvest.

**2.5 gallon: \$139.00**

## **ORGANOCIDE PLANT DOCTOR SYSTEMIC FUNGICIDE**

Organocide Plant Doctor™ Systemic Action Fungicide offers broad-spectrum control of most plant diseases such as root rot, stem blights, leaf spots, bacterial diseases, and is even effective on troublesome and difficult to control fungal diseases such as pythium and phytophthora. Plant Doctor™ prevents as well as cures, and has the included nutritional boost of potassium and phosphorous.

**32 oz. concentrate: \$15.75**

## **MARRONE BIO INNOVATIONS REGALIA**

All-natural biological plant extract that boosts a plant's defense mechanisms against certain fungal and bacterial diseases, improving overall plant health. Outstanding results controlling powdery mildew. Use as a dip for transplants, and drench the root zone for root strength.

**1 quart: \$56.00      1 gallon: \$134.00**

## **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.

**1 quart: \$7.25**

# **HERBICIDES**

## **HORTICULTURAL GRADE VINEGAR FROM VINAGREEN (20% LIQUID WHITE VINEGAR)**

Weed Control when mechanical and cultural controls are insufficient. Smaller weeds (2 inches or less) are more easily controlled. Use at full strength.

**1 gallon: \$17.25      5 gallon: \$69.75      55 gallon drum: drop-ship only; call for quote**

## **MCGEARY CORN GLUTEN 8-0-0**

Developed by Iowa State University, this product 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: \$45.60      25-49 bags: \$44.25      50 bags (pallet): \$43.00**

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# COVER CROP SEEDS

All seeds are Non GMO and non treated. Certified Organic when available.

<b>WINTER BARLEY</b>	<b>5 lbs: \$7.00</b>	<b>50 lbs: \$29.00</b>
<b>BUCKWHEAT (ORGANIC)</b>	<b>5 lbs: \$10.50</b>	<b>50 lbs: \$66.00</b>
<b>CRIMSON CLOVER</b>	<b>5 lbs: \$13.00</b>	<b>50 lbs: \$92.00</b>
<b>RED CLOVER (ORGANIC)</b>	<b>5 lbs: \$32.00</b>	<b>50 lbs: \$225.00</b>
<b>WHITE DUTCH CLOVER</b>	<b>5 lbs: \$34.00</b>	<b>50 lbs: \$225.00</b>
<b>OATS (ORGANIC)</b>	<b>5 lbs: \$6.25</b>	<b>48 lbs: \$27.00</b>
<b>AUSTRIAN WINTER PEAS (ORGANIC)</b>	<b>5 lbs: \$9.50</b>	<b>50 lbs: \$60.00</b>
<b>COW PEAS</b>	<b>5 lbs: \$11.00</b>	<b>50 lbs: \$74.00</b>
<b>TILLAGE RADISH (ORGANIC)</b>	<b>5 lbs: \$35.00</b>	<b>50 lbs: \$285.00</b>
<b>WINTER RYE (ORGANIC)</b>	<b>5 lbs: \$6.50</b>	<b>56 lbs: \$25.00</b>
<b>HAIRY VETCH (ORGANIC)</b>	<b>5 lbs: \$21.00</b>	<b>50 lbs: \$169.00</b>
<b>RED WINTER WHEAT (ORGANIC)</b>	<b>5 lbs: \$6.25</b>	<b>60 lbs: \$27.00</b>

Other varieties available upon request.

## **INTX GUARD-N BEAN AND PEA INOCULANT**

**1.5 oz (treats 8-12 lbs of seed): \$5.50**    **6 oz. (treats up to lbs of seed): \$8.00**

## **INTX N-DURE ALFALFA / TRUE CLOVER INOCULANT**

**6 oz. (treats up to 50 lbs of seed): \$8.00**

# GENERAL PRODUCTS

## **ALCHEMIST ISOPROPYL ALCOHOL 99%**

99.9% lab reagent/technical-grade isopropyl alcohol. Removes saps and grunge from scissors, blades and equipment quickly and easily.

**1 gallon: \$25.50**      **4+: \$24.00**

## **GROWER'S EDGE LIGHT BLUE POWDER FREE NITRILE GLOVES**

Available in small, medium, large, XL, and XXL.

**Case of 100: \$19.85**

## **HORTONOVA WHITE TRELLIS NET**

**59"x328": \$76.25**      **59"x3280": \$482.00**

\*\*Special sizes can be ordered.

## **GROW BAGS (BY THE CASE)**

**1 gallon (500 ct): \$74.50**

**2 gallon (500 ct): \$86.00**

**3 gallon (500 ct): \$138.00**

**5 gallon (400 ct): \$159.50**

**7 gallon (400 ct): \$177.00**

**10 gallon (200 ct): \$127.00**

## **NURSERY POTS, TRAYS, INSERTS AND HUMIDITY DOMES**

We have a full selection of common plastics for propagation, including the quad thick reusable flat trays, and several brands of water cloning systems. We are happy to provide case or volume discounts for any of these items.

## **SMART POTS**

Fabric growing containers have been widely accepted as the superior choice in the hemp-growing community. Hi Caliber (Smart Pots) has created an exclusive program for licensed cannabis growers that offers very fair pricing on case quantities of fabric containers.

Smart Pot PRO Size (inches)	Price	Case Qty
<b>1 gallon 7 x 6</b>	<b>\$896.00</b>	<b>900</b>
<b>1 gallon - Transplanter 1</b>	<b>\$999.00</b>	<b>900</b>
<b>2 gallon - 8 x 7</b>	<b>\$652.00</b>	<b>600</b>
<b>2 gallon - Transplanter 2</b>	<b>\$819.00</b>	<b>600</b>
<b>3 gallon - 10 x 7.5</b>	<b>\$582.00</b>	<b>400</b>
<b>3 gallon - Transplanter 3</b>	<b>\$669.00</b>	<b>400</b>
<b>3 gallon - cut handles - 10 x 7.5</b>	<b>\$691.00</b>	<b>400</b>
<b>5 gallon - 12 x 9.5</b>	<b>\$453.00</b>	<b>250</b>
<b>5 gallon - cut handles - 11 x 9.5</b>	<b>\$612.00</b>	<b>250</b>
<b>7 gallon - 14 x 9.5</b>	<b>\$452.00</b>	<b>200</b>
<b>7 gallon - cut handles 14 x 9.5</b>	<b>\$538.00</b>	<b>200</b>
<b>10 gallon - 16 x 11.5</b>	<b>\$461.00</b>	<b>150</b>
<b>10 gallon cut handles 16 x 11.5</b>	<b>\$513.00</b>	<b>150</b>
<b>15 gallon 18 x 13.5</b>	<b>\$305.00</b>	<b>75</b>
<b>15 gallon - strap handles 18 x 13.5</b>	<b>\$457.00</b>	<b>75</b>
<b>20 gallon - 20 x 15.5</b>	<b>\$360.00</b>	<b>75</b>
<b>20 gallon - strap handles 20 x 15.5</b>	<b>\$512.00</b>	<b>75</b>
<b>25 gallon 21 x 15.5</b>	<b>\$333.00</b>	<b>60</b>
<b>25 gallon - strap handles 21 x 15.5</b>	<b>\$454.00</b>	<b>60</b>
<b>30 gallon - 24 x 15.5</b>	<b>\$360.00</b>	<b>60</b>
<b>30 gallon - strap handles 24 x 15.5</b>	<b>\$476.00</b>	<b>60</b>

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

Smart Pot PRO Size (inches)	Price	Case Qty
<b>45 gallon - 27 x 18</b>	<b>\$435.00</b>	<b>50</b>
<b>45 gallon - strap handles 27 x 18</b>	<b>\$540.00</b>	<b>50</b>
<b>65 gallon - 32 x 18</b>	<b>\$462.00</b>	<b>50</b>
<b>100 gallon - 38 x 20</b>	<b>\$460.00</b>	<b>35</b>
<b>150 gallon 45 x 22</b>	<b>\$352.00</b>	<b>20</b>
<b>200 gallon - 50 x 24</b>	<b>\$372.00</b>	<b>20</b>
<b>300 gallon - 60 x 24</b>	<b>\$339.00</b>	<b>15</b>
<b>400 gallon - 70 x 24</b>	<b>\$297.00</b>	<b>10</b>

**Minimum Order = 1500 units or \$4000**

**Freight Prepaid \$2500 minimum**

## **STARTER PLUGS BY THE CASE**

**Case of 1,500: \$325.00**

## **SCALPELS BY THE CASE**

**Case of 10: \$16.00**

## **CLONEX ROOTING GEL**

Give your clones the best possible start by propagating them using Clonex Rooting Gel. The gel formula makes sure the rooting hormone stays in contact with your cuttings, promoting strong root development, and eliminating the potential hazard of breathing in rooting powders.

**250 ml: \$40.00**

**1 pint: \$77.50**

## **EZ-CLONE LOW PRO WHITE 128 SITE CLONING SYSTEM**

Every aspect of this Aeroponic Cloning System has been carefully thought out and designed, to produce an incredibly effective and user-friendly cloning system. Constructed from durable UV protected HDPE plastic. Reservoir has a tall lip height, with extended flange and drainage gutters to eliminate leaks.

**\$395.00**

**5+: \$380.00**

## **TURBOKLONE ELITE 144 CLONING SYSTEM (NO DOME)**

This is the largest self-cooled cloning system on the market, making it idea for commercial applications. The Elite Series Fan creates a cooler, more oxygenated environment for your clones, leading to faster rooting. Reinforced basin eliminates bowing and spillage, and allows for easier moving.

**\$435.00**

## **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'

**100ft Roll: \$285.00**

## **BLACK AND WHITE POLY**

*100 ft. roll: \$87.00*

## **TRIMBAG DRY TRIMMER**

Trimbag is the affordable tool to use to trim and sift dry buds. Trimbag meets machine trimming standards, with the added benefits of portability, user control, simplicity, and cost.

**\$299.00**

## **TWISTER BRAND TRIMMERS**

The Twister is the world's fastest leaf trimmer, equipped with the industry's most powerful vacuum along with proprietary blade geometry to deliver the closest cut possible without damaging your product. Its unique, scalable engineering allows for back-to-back tandem use to notably boost productivity, comfortably accommodate large batches, and allow for operational growth. Distinctive rotation technology makes the Twister adaptable for use on a broad variety of plants.

***Drop Ship Only - call for quote***

# **LIGHTING**

For years, Fifth Season has been a reliable source for indoor horticultural and supplemental grow lights. We understand that ever-advancing technology has broadened horticultural lighting options to the point that deciding on a light can be overwhelming. We are here to help you decide on a lighting solution that fits your particular needs. Listed below are a few general recommendations, but we have access to entire catalogs of light fixtures, bulbs, and power relays. Special orders are welcome.

## **SUNBLAZE LEDS**

This high-efficiency T5 LED fixture is equipped with 21 watt AgroLED® iSunlight® lamps. These lamps combined produce an amazing 4,900 lumens per lamp with a 5,500° K lamp color that is ideal for propagation and vegetative lighting cycles. Sun Blaze® LED fixtures feature an advanced reflector design that delivers excellent reflectivity and diffusion. Wire cable hangers are included with every fixture as well as V-hangers and hanging holes for side mounting (hangs horizontally or vertically) and lower ceilings. Eight-lamp model features two on/off switches to run four lamps at a time if desired. The daisy-chain feature allows multiple fixtures to be plugged in together. Using the environmentally friendly, mercury-free AgroLED® iSunlight® lamps reduces electricity consumption by up to 25% compared to traditional T5 lamps. This high-quality light source provides excellent, on-target light output.

***Sunblaze 44 (4-lamp fixture): \$239.00 10+ fixtures: Call for quote***

***Sunblaze 48 (8 lamp-fixture): \$387.00 10+ fixtures: Call for quote***

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

## **SUN SYSTEM PRO SUN DE 1000 WATT COMMERCIAL FIXTURE**

Double Ended (DE) lighting technology is the most powerful in the industry. This commercial greenhouse fixture is designed and assembled with premium components and superior construction for the professional horticultural enthusiast. The Pro Sun™ DE 1000 Watt has dimmable/selectable wattage, turbo and built-in green LED lights for easily identified self-diagnostic performance codes. Low current, staggered ignition delay feature eliminates circuit inrush overload and protects lamp for increased lumen maintenance. Unique double-ended construction allows for maximum optical efficiency and uniformity. 95% reflective textured PVD aluminum delivers excellent uniformity, output and diffusion. Improved spectrum DE lamps used in this fixture focus on the red component for increased photosynthetic response.

**\$459.00** 10+ fixtures: *Call for quote*

## **NEXTLIGHT LED'S**

These quantum board style LEDs are very energy efficient, and unlike others, are easier on the eyes because of incorporating white, full-spectrum diodes. NextLight's slim design is perfect for indoor vertical farming or any other indoor application. Their diodes are rated for a whopping 100,000 hours.

**NextLight Veg8: \$548.00** 10+ fixtures: *Call for quote* (veg footprint 2ft x 4ft)

**NextLight Core: \$ 548.00** 10+ fixtures: *Call for quote* (veg footprint 4ft x 4ft; flower footprint 3ft x 3ft)

**NextLight Mega: \$1,596.00** 10+ fixtures: *Call for quote* (veg footprint 7ft x 7ft; flower footprint 5ft x 5 ft)

## **NANOLUX**

A brand Fifth Season has worked with for years now. Nanolux manufactures Ceramic Metal Halide (CMH) and Double Ended (DE) fixtures with some unique configurations, such as the 1000 watt CMH.

**Nanolux CMH315 Fixture (lamp not included): \$299.00** 10+ fixtures: *Call for quote*

**Nanolux CMH1000 Fixture (lamp not included): \$378.00** 10+ fixtures: *Call for quote*

**Nanolux DE Square Fixture (1000W APP 208/240v): \$394.00** 10+ fixtures: *Call for quote*

# **IRRIGATION**

## **BLUMAT WATERING SYSTEMS**

We consider Blumats to be a superior brand for irrigation, especially for organic growers. Blumats detect soil moisture and maintain it at a desired level so that soil microbes can thrive.

They make systems for pots, beds, and rows, indoors or out. We are happy to help with a design that fits your growing needs.

## **FLORAFLEX IRRIGATION**

FloraFlex produces superb irrigation products for hydroponics with clean, BPA-free plastic. Excellent applications for rockwool, coco, or hydroton. We can work with you to design an irrigation plan tailored to your specific situation.

## **NETAFIM**

We carry common Netafim parts and fittings suitable for row crops at select Fifth Season locations.

# CONSULTING SERVICES

With nearly 20 years experience in the hydroponics and organic gardening industries, Fifth Season is pleased to offer consulting services to commercially-licensed hemp growers. Services and topics include: permitting assistance, operational set-up, cloning and propagation set-up and coaching, lighting diagram design, integrated pest-management, soil nutrient and mineral balancing, and troubleshooting problems. Please call to discuss your particular needs and arrange a quote for services.

Mike Weeks, Western NC [mike@fifthseasongardening.com](mailto:mike@fifthseasongardening.com)

Ryan Blankenship, Central NC [ryan@fifthseasongardening.com](mailto:ryan@fifthseasongardening.com)

Gabrial House, Central/Eastern NC [gabrial@fifthseasongardening.com](mailto:gabrial@fifthseasongardening.com)

## POLICIES

### SALES POLICY:

- Listed prices are for licensed hemp growers only.
- Prices in this catalog are subject to change without notice.
- Terms are COD, AMEX, Visa, or MasterCard
- 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 any of our four North Carolina locations (listed on the front and back covers of this catalog). Once your order arrives, we will give you a call or email to arrange a pick up time. If you would prefer to have your order shipped to you, rather than picking it up, we can arrange that for you. Direct drop shipping available for select items.

### RETURNS POLICY:

- We will not accept returns on opened or damaged products that were not damaged during shipping. If you choose to return a product, you are responsible for return shipping costs.
- Please check your order carefully for any missing or damaged items. If your items were shipped to you directly, please inspect pallets for damage, and have the driver note damage on the driver's copy of the bill of lading. If there is damage concealed within the pallet, or if items are missing, please notify us within 3 business days in order to be eligible for a damage or loss claim.
- If you cancel your order after it has been processed, but before it has shipped, you may be charged a processing fee to cover our costs. If you cancel an order after it has shipped, you will be responsible for paying any return shipping fees.

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



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