



**Wholesale Organic Landcare
Supplies, Equipment & Services**



***Simplify
your
ORGANIC
Operation***

***Save
with our
WHOLESALE
Prices***

***Grow
your
BUSINESS
Organically***

Leaders in Organic Landcare Supplies, Equipment and Services

Compostwerks provides leadership and expertise in the organic horticultural, agricultural and composting industries. From start ups to large corporations, we have what you need at a fair price.

Compostwerks was founded in 2006 to help meet the growing demand for supplies and equipment in the organic land care industry. With a combined 60 year experience in the horticultural and agricultural fields, owners Gregg Twehues and Peter Schmidt are uniquely qualified as ecological landcare consultants.

We also source, field test and offer the highest quality equipment and supplies to simplify your operations, satisfy your clients and increase your profitability.

Our core values:

- We sell only equipment and supplies that we have field tested in our own operation. If it doesn't work well for us in the field, we won't carry it.
- Our customers come first. We offer options and no nonsense advice so every customer receives exactly what they need the first time around.
- We provide the highest quality products at a fair price with the best service possible. We provide fast shipping at the lowest possible cost.
- Customers receive the same care whether they are a large corporation or a small start up operation. Our customers needs are unique and require individual attention.



Ordering Information and Options

To order, call us at:

(844) COM-WERK (266-9375)

Monday-Friday 8:00 AM to 5:00 PM

Saturday 8:00 AM to 12:00 PM

Online at: www.compostwerks.com

Email us at: wholesale@compostwerks.com

By mail:

487 East Main Street Suite 160

Mount Kisco, NY 10549

Our Location: 14 Broadway

Hawthorne NY 10532

Pick up by appointment only

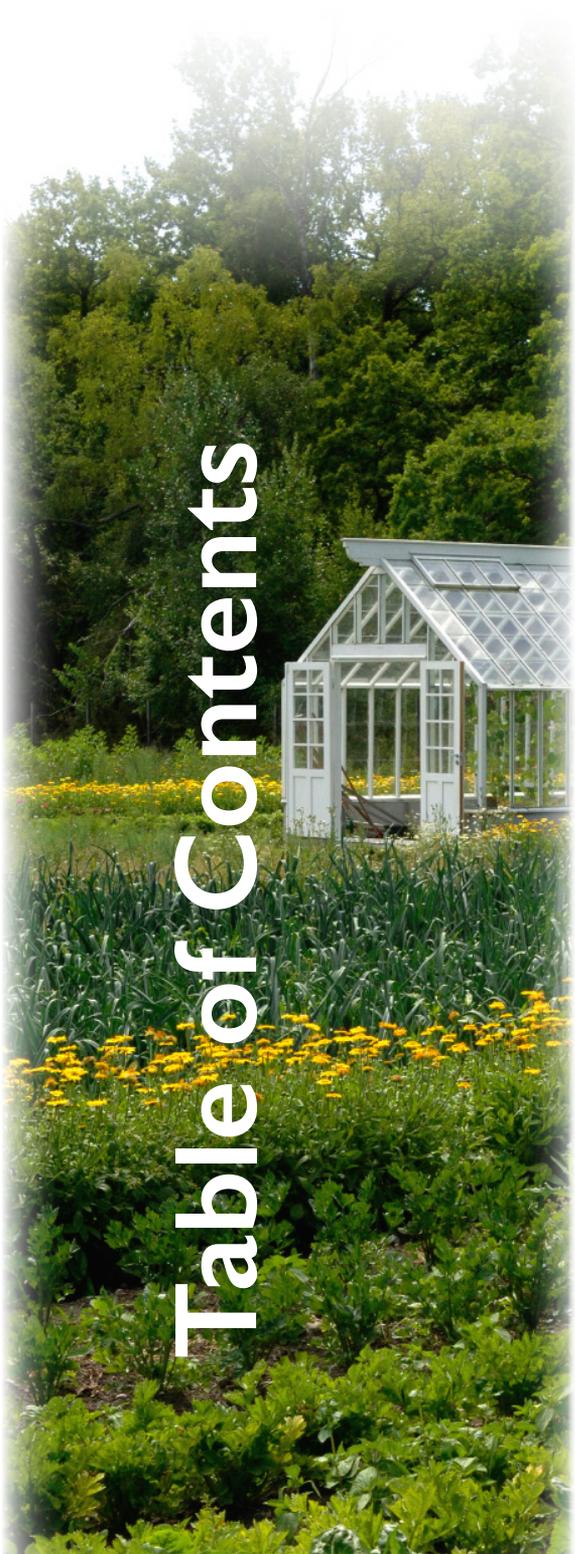


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New Soluble Products

Solu-Nitrogen PLUSTM Amino Acid Powder

100% Plant Based Water Soluble Nitrogen

Guaranteed Analysis	
Total Nitrogen	13.63%
Water Soluble N	13.51%
Water Insoluble N	0.11%
pH	5.0 - 7.0
Amino Acids	80%

*Derived from organic non-GMO hydrolyzed soybean protein



Solu-Nitrogen PLUSTM 13.63-0-0



100% Water Soluble Plant Based Nitrogen Powder

Solu-Nitrogen+ is an organic water soluble powder produced enzymatically without the use of chemicals or animal by-products making it ideal for use in certified organic production. Derived from certified non-GMO soy protein with a guaranteed minimum of 13.51% plant available nitrogen,

it's ideal for hungry crops requiring a burst of growth. This substrate features an 80% content of complex extracted amino acids. Solu-Nitrogen+ is easy to handle, mixing easily into water for application through injection and irrigation systems, hydraulic sprayers for foliar, ground and container application.

SOLUM5	5 pounds Solu-Mate
SOLUM25	25 pounds Solu-Mate
SOLUM50	50 pounds Soul-Mate

Solu-Nitrogen 15-0-0TM Amino Acid Powder

100% Plant Based Water Soluble Nitrogen

Guaranteed Analysis	
Total Nitrogen	15%
Water Soluble N	14.88%
Water Insoluble N	0.12%

Chloride <0.27% Sodium <0.09%
Plant nutrients derived from soybeans



Solu-Nitrogen 15-0-0TM 15-0-0

100% Water Soluble Plant Based Nitrogen Powder

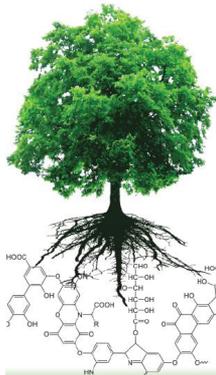
A more economical version of Solu-Nitrogen PLUS with an even higher boost of plant available nutrients! Solu-Nitrogen 15-0-0 Amino Acid Powder is a water soluble plant based natural fertilizer which mixes readily in water. It's perfect for mixing in your sprayer, injector or irrigation system for applications to soil, containers or foliage. Nearly all of the nitrogen is water soluble and is readily available to your plants.

Our buyers are reporting that they've been able to eliminate an entire granular application per season using Solu-Nitrogen. This is a very useful tool as an additive to finished compost tea and liquid extracts of compost right before application.

SOLUM5	5 pounds Solu-Mate
SOLUM25	25 pounds Solu-Mate
SOLUM50	50 pounds Soul-Mate

Solu-StimulantTM Soluble Seaweed Extract & Humate Powder

Non Plant Food Ingredients	
100% Soluble Humic Acid Powder	50%
100% Soluble Seaweed Extract Powder	50%



Solu-StimulantTM

Soluble Seaweed Extract & Humate Powder

Solu-StimulantTM supports soil environments which improve nutrient uptake of all plants and helps reduce fertilizer inputs. It aids plants in tolerating environmental stress factors such as heat, drought, frost, insect and disease pressures. This 100% natural water soluble powder is a blend of Solu-KelpTM Soluble Seaweed Powder and Solu-MateTM Humic Acid Powder. The natural plant growth compounds contained in

Solu-StimulantTM include 16 trace minerals, cytokinins, gibberellins, and auxins. These substances have a direct benefit in rooting, mineral chelation and resiliency in coping with overall stressful conditions.

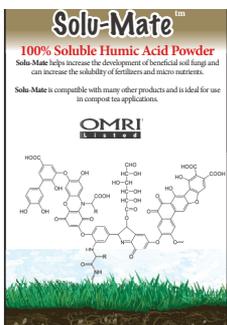
SOLUM5	5 pounds Solu-Mate
SOLUM25	25 pounds Solu-Mate
SOLUM50	50 pounds Soul-Mate

Soluble Products

A Word About Compostwerks Water Soluble Powders....

In addition to cost savings, these OMRI listed powders offer nutrients in a more soluble form which are quickly absorbed by plants and made available by soil biology. In the field, we have noticed a reduction in bulk granular fertilizer applications by 50% or more. By using dry soluble products, you can make small liquid batches when needed. Storage and handling is much simpler and cost efficient.

Solu-Mate™ 100% Soluble Humic Acid Powder



Solu-Mate Humic Acid Powder is a 100% soluble amendment which dissolves readily in water to create liquid Humic and Fulvic acid solutions. Solu-Mate is perfect for use as a compost tea ingredient, soil drench and injection, foliar applications, seed treatments, fertigation and drip irrigation. Solu-Mate is made from natural compounds which are rich in humified organic matter. It may be used in dry or liquid form as a soil amendment, foliar

spray or fertilizer enhancer. Solu-Mate is an excellent food resource for beneficial soil fungi. These organisms fill a vital role in breaking down nutrients into soluble forms and sequestering them so they do not leach when active plant growth is taking place.

SOLUM5	5 pounds Solu-Mate
SOLUM25	25 pounds Solu-Mate
SOLUM50	50 pounds Solu-Mate

Solu-Kelp™ 0-0-15 Soluble Seaweed Powder



Solu-Kelp is a 100% water soluble seaweed extract made from Ascophylum nodosum, providing plants with 16 trace elements and natural growth hormones. Solu-Kelp can dramatically improve plant vigor, growth and resistance to stress related problems such as heat and drought.

microbial growth which is highly beneficial to plants and soils. Regardless of the specific application, end result is increased growth, enhanced fruiting and flowering and improved photosynthesis. Trace elements in Solu-Kelp are naturally chelated within organic compounds that are readily mineralized through plant and soil relationships.

Solu-Kelp is an excellent bio-stimulant when applied as a foliar spray or soil drench. When used in conjunction with compost teas, it creates a rapid proliferation of

SOLUK5	5 pound box Solu-Kelp
SOLUK25	25 pound box Solu-Kelp
SOLUK44	44 pound box Solu-Kelp

Solu-Fish™ 2-3-1 Hydrolyzed Fish Fertilizer



Solu-Fish is a premium cold pressed organic fish fertilizer and soil amendment that provides essential nutrients to plants and beneficial soil microbiology.

ing, soil injection and all types of irrigation systems. Solu-Fish is filtered through 200 micron screens to assure that clogging of nozzles and drip tape will not occur. Solu-Fish is a great addition to your compost tea program.

Solu-Fish creates an environment for sustained nourishment to plants by increasing microbial bio-mass and activity. Solu-Fish contains 17 different Amino Acids, natural oils, proteins, vitamins and plant growth hormones.

Solu-Fish is 100% water soluble and is formulated for foliar applications, soil drench-

SOLUF1	1 Gallon Jug Solu-Fish
SOLUF25	2.5 Gallon Jug Solu-Fish
SOLUF55	55 Gallon Drum Solu-Fish
SOLUF275	275 Gallon Bulk Totes

Mycorrhizal Inoculants

Mycorrhizal Applications Inc. is the world's leading producer of highly diverse Mycorrhizal inoculum. Produced for landscapers, arborists, farms, nurseries, restoration & erosion control companies and hydro-seeders. These fine inoculums are suited for all applications, including liquid, granular and water soluble micronized powders. Please visit our website for more details and data sheets.

Soluble Powders

Soluble MAXX



One Pound

Our #1 seller with landscapers and arborists! Soluble MAXX is formulated for soil drench & injection. Contains 19 carefully selected mycorrhizal fungi, 2 trichoderma species, 12 bacterial species, humic acid and seaweed powder and vitamins. Soluble MAXX contains mycorrhizal fungi that colonize plant roots and extend the root system into the surrounding soil, greatly enhancing the absorptive surface area of root systems.

Ultrafine ENDO



20 Pound

OMRI
Listed

Ultrafine Endo micronized powder consists of a blend of spores of 4 endomycorrhizal fungi species including grasses. This powder comes in a particle size less than 220 microns (#70 screen). This concentrated, fine material is ideal for "water in" or "spray" applications. About 90% of the world's plant species form symbiotic relationships with these beneficial endomycorrhizal fungi including grasses and most commercial produced plants.

Micronized ENDO/ECTO



20 Pound

OMRI
Listed

Micronized Endo/Ecto mycorrhizal powder inoculum contains of a blend of spores of 4 endomycorrhizal fungi species and 7 ectomycorrhizal fungi species. The powder comes in a particle size less than 300 microns (#50 screen). About 95% of the world's plant species form symbiotic relationships with these beneficial endomycorrhizal and ectomycorrhizal fungi.

Micronized ENDO



20 Pound

OMRI
Listed

MycoApply® Micronized Endo mycorrhizal micronized powder inoculum consists of a 4 species blend of spores of arbuscular mycorrhizal fungi (endomycorrhizal fungi). The powder comes in a particle size less than 300 microns (#50 screen). About 90% of the world's plant species form mycorrhizae with these beneficial endomycorrhizal fungi.

What are Mycorrhizae?



Colonized by approximately 95% of all plants on earth, mycorrhizae play a critical role in the uptake of water and nutrients into your plants. Much smaller in diameter than the smallest root, mycorrhizae explore a greater volume of soil, providing a larger surface area for absorption of water and essential nutrients. Access to carbohydrates, glucose and sucrose is improved dramatically when roots are colonized by these specialized beneficial fungi. Plants are often more resistant to soil born diseases because pathogens are out competed by the biological diversity created through colonization.



Mycorrhizal Inoculants

After several years of losing installed landscape plants, we decided to give MycoApply All Purpose Granular a try. This virtually eliminated our plant mortality which has saved us replacement costs and labor. MycoApply had become a valuable tool of the trade.

Joseph H, Cherry Hill, NJ

Granular & Liquids

Myco Apply ENDO



40 Pounds
OMRI
Listed

MycoApply® Endo mycorrhizal granular inoculum consists of 4 carefully selected species of endomycorrhizae. About 90% of plant species associate with these types of Mycorrhizae, including grasses and most commercially produced plants. MycoApply® Endo is a granular material containing mycorrhizal fungi that colonize roots and extend into the surrounding soil forming an essential link between plant and soil resources.

Myco Apply ECTO OMRI



40 Pounds
OMRI
Listed

Ultrafine Endo micronized powder consists of a blend of spores of 4 endomycorrhizal fungi species including grasses. This powder comes in a particle size less than 220 microns (#70 screen). This concentrated, fine material is ideal for "water in" or "spray" applications. About 90% of the world's plant species form symbiotic relationships with these beneficial endomycorrhizal fungi including grasses and most commercial produced plants.

Myco Apply All Purpose OMRI



40 Pound
OMRI
Listed

Micronized Endo/Ecto mycorrhizal powder inoculum contains a blend of spores of 4 endomycorrhizal fungi species and 7 ectomycorrhizal fungi species. The powder comes in a particle size less than 300 microns (#50 screen). About 95% of the world's plant species form symbiotic relationships with these beneficial endomycorrhizal and ectomycorrhizal fungi.

Liquid Endo Quart & Gallon OMRI



Quarts & Gallons
OMRI
Listed

Liquid Endo is a concentrated liquid of 4 top performing endomycorrhizal fungi and is used as a soil drench or seed inoculant. Liquid Endo contains mycorrhizal fungi that extend the root system into the surrounding soil, enhancing the absorptive area of roots which links plants and soil. The plant benefits from enhanced nutrient and water uptake, drought resiliency and root health. Treats up to 40 acres.

Liquid Endo Seed and Furrow



Liquid Endo (Seed & Furrow) is a highly concentrated liquid of 4 top performing endomycorrhizal fungi in distilled water used as a soil drench or seed inoculant. Liquid Endo Seed & Furrow contains mycorrhizal fungi that colonize plant roots and extend the root system into the surrounding soil greatly enhancing the absorptive surface area of root systems, forming an essential link between plant and soil. Seed and Furrow is well suited for use with liquid Rhizobial inoculants and starter fertilizers. Treats up to 40 acres.

Orders & Support Call Toll Free: (844) COM-WERK (266-9375) www.compostwerks.com 7

Compostwerks Website



order online at:
www.compostwerks.com

Compostwerks is proud to announce the launch of our new website, featuring new products and enhanced functionality. Here are some of the new features you can expect:

- ☛ *Customer login, enabling you to view current pricing and availability of a broad range of products*
- ☛ *On-line, 24 hour purchasing with fast shipping*
- ☛ *Search feature so you can find products quickly*
- ☛ *On-line configuration of custom equipment, with pricing*
- ☛ *Customer reviews and ratings - learn how others are using our products and what they are saying*



CONVENIENT WAYS TO ORDER

We invite you to place orders over the phone, online, mail or by e-mail. A PDF version of the order form in this catalog is also available on our website. If you need help determining the best products for your organic land care needs, please call our expert sales staff.

SHIPPING

Orders are shipped via UPS Ground, USPS, or motor freight. Small orders placed by noon normally ship the same day. We will communicate delivery schedule of large orders such as bulk fertilizer or equipment which ship motor

freight. Back-ordered items may cause an order to be held until it is complete otherwise additional shipping charges may apply. Shipping charges are based on actual shipping rates plus a nominal handling fee. Expedited shipping options are available for an additional charge. Ground transport C.O.D. is available for an additional fee. Call Compostwerks for any questions regarding shipping. We pride ourselves with the fastest shipping available.

PAYMENT METHODS

Payments by business check, credit card, and C.O.D. are accepted.

Payments by C.O.D. are subject to additional processing fees. Shipments of products and equipment are made when payment has been made. New York sales tax will be charged when required per local jurisdiction.

PRIVACY

It is our policy not to share customer information with any other company.

RETURN POLICY

Damaged items must be reported in writing within 10 days of receipt. If you are not satisfied with any of our products, we will refund the purchase price if returned in original condition with undamaged packaging within

30 days of receipt. Buyer assumes financial responsibility of shipping on all return items. Items returned 30 to 90 days after receipt are subject to a 20% restocking fee. No returns are accepted after 90 days. All sales are final on custom, discounted or discontinued items.

This catalog was printed January 2015. Prices are subject to change without notice. Please call or go online for the most current pricing.

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Compost Tea Brewers

Liquid Compost Technology: The Cutting Edge of Organic Landcare



GEO Tea Compost Tea Brewers



GeoTea Compost Tea Brewers are on the leading edge of compost tea brewing and compost extract technology. Made for commercial duty, **GEOTEAM Compost Tea Brewers** are precision crafted and ruggedly constructed out of durable components. GEOTEAM brewers are built to last - designed and manufactured for year after year of dependable service. Plus, they're engineered to help you not only make great compost tea, but to do

it with convenience, ease and a quick, thorough clean-up. The core of this system is the Extractor Dome. Air flows in through the top of the stainless steel tubing powered exclusively by a Sweetwater High Efficiency Pump.

This teabag-like process, after its full 24-hour brewing period, produces an astoundingly rich compost tea - full of beneficial bacteria and fungi, protozoa and nematodes.

GeoTea brewers are shipped via UPS Ground.

GEO250:
GeoTea Compost Tea Brewer



GeoTea Bulk Tanks

As an option, we are able to supply your GeoTea compost tea brewer with a 275 gallon bulk liquid tank, also known as an 'IBC' tank. The GeoTea is specifically designed to attach to the top of these tanks.

These tanks are also available with a 16" opening at the top which are perfect for the Tote-Mate sprayers on page 12

Liquid bulk tanks must be shipped via motor freight.

GeoTea Transfer Pump

The compost tea transfer pump we offer is ideal for pumping finished compost tea from the GeoTea Compost Tea Brewer. It has a flow rate of 12 gallons per minute, a stainless steel housing and is very gentle on the micro biology. The plumbing couples directly with most IBC tanks and is equipped with quick disconnects. Adaptors are included to fit most applications.



BULK TANK:
275 Gallon Bulk Tote

BULK TANK 2:
**275 Gallon Bulk Tote
w/ 16" opening**

This pump produces up to 50 psi (pounds per square inch). With the included flush attachment, it is very easy to keep the pump clean. GeoTea transfer pumps are shipped via UPS Ground.

GEO PUMP:
GeoTea Discharge Pump



Compostwerks Brewers

We have worked hard to design tea brewers that are simple to use and clean, make high quality compost tea and liquid compost extracts. Our goal is to offer affordable machines to make this technology available to a broad range of users. We use only compressed air to create the energy needed to make premium compost tea time after time. Made from high quality components, these brewers will last for many years of rugged commercial use.

Extraction

Our brewers feature specially designed extraction systems which allow for thorough extraction of beneficial biology from the compost. Properly sized mesh materials are used

which are optimized to allow extraction with a minimum of particulate matter being imparted into the finished compost tea.

Aeration

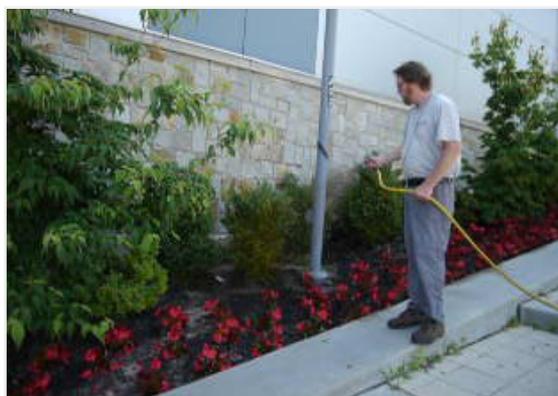
Since aeration is such a critical factor, each of our 55 and 110 gallon brewer designs feature two separate air pumps, one dedicated to the extraction chamber and the other strictly for aeration and water movement.

Ease of Cleaning

Given reasonable care, our brewers are easy to clean and maintain. Cleaning immediately after you finish brewing makes the job even easier. No special cleaners or tools are needed to facilitate this process.



A simple, cost effective and efficient way to maintain healthy plants is to return the soil to health by applying the beneficial microbes found in compost tea and liquid compost extracts.



55 Gallon Drum & 110 Cone Bottom Brewers



55 Gallon Drum Brewer

This fine compost tea brewer and extract machine is designed to fit into a 55 gallon drum. The specialized drum supplied with this brewer is in a conical or 'nestable' configuration. With separate, removable extraction and aeration systems, this design combines the production of high quality compost tea with ease of cleaning. Sized and priced for start up operations or for any situation requiring smaller quantities of high quality compost tea.

We can supply all of the necessary components in kit form (minus the 55 gallon drum) which includes air pumps, plumbing, aeration system and extraction system. Although it's possible to use a conventional open head 55 gallon drum, the larger surface area on the bottom does not allow for efficient water and oxygen circulation which affects compost tea quality. Please contact us for full details about supplying individual compost tea brewer components and accessories.

BREW55
55 Gallon Brewer Kit w/ Drum

BKIT55
55 Gallon Brewer Kit

DIFF55
Replacement Aerator (6 required)

BAG55
Replacement Extractor Bag



110 Gallon Conical Tank Brewer

This brewer features a special cone shaped brewing tank which naturally facilitates even distribution of dissolved oxygen and microbes throughout the brewing cycle. With separate extraction and aeration systems, two air pumps and sensible design, this brewer provides ample dissolved oxygen levels and water movement. This brewer works very well for making both compost tea as

well as compost extracts.

No disassembly is required for cleaning. Individual components are also available. Please contact us for details.

We build custom compost tea brewers and extractors. Please contact us for further information.



Optional 1500 Watt Water Heater

BREW110
110 Gallon Compost Tea Brewer

HTR1500
1500 Watt Water Heater

TUBE610
Replacement Air Diffuser

BAG110
Replacement Extractor Bag

Extraction Chambers

Our extraction chambers dramatically increase populations of bacteria, fungi, nematodes, protozoa and micro-arthropods from compost into liquid solutions of compost tea and liquid extracts of compost.

Constructed of aluminium framework, these extraction chambers prevent the micro-filament mesh element from compressing upon itself. This means more extraction with less compost and less time.

Our extraction chambers are driven with auxiliary air pumps with no moving parts or water pumps which can cause damage to fragile micro biology.



All of Compostwerks extraction systems feature internal air inputs which offer a major advantage over static containment bags. These units fit tank openings from 8 to 15 inches in diameter. Air pump to drive extractors is optional but highly recommended. Cleaning is a very simple process.

Model EX-2 is optimized for brewers and extractors sized from 25 to 85 gallons.

Model EX-3 is optimized for brewers and extractors sized from 100 to 200 gallons.



EX2NP: Extraction Chamber

EX2WP: Extraction Chamber with Pump

EX3NP: Extraction Chamber

EX3WP: Extraction Chamber with Pump

Compost Tea Brew Kits

Compostwerks professional compost tea brew kits contain both independently tested premium compost as well as a separate food resource package. Our compost is made with 100% plant based feed stocks and contain no animal manures which virtually eliminates the risk of human pathogens being imparted into the compost tea. Our high standards and protocols have resulted in consistently high numbers of beneficial soil microbes year after year. Please check our website frequently for the most recently published results of our independent testing of biology and E. coli.

We are proud to offer two different types of kits to suite your needs. For woody plants and perennials, you would generally choose a fungal kit. Annuals, most vegetables and grasses usually benefit from our bacterial brew kits. We're happy to discuss your needs before you place an order to assure the best plant performance.

Our brew kits are optimized to perform in several sizes which match the most popular compost tea brewers in the market place. We are able to provide food source packets and compost separately.



Size (Gallon)	Fungal Item #	Bacterial Item #
25	FUN-25	BAC-25
35	FUN-35	BAC-35
55	FUN-55	BAC-55
85	FUN-85	BAC-85
110	FUN-110	BAC-110
200	FUN-200	BAC-200
275	FUN-275	BAC-275
500	FUN-500	BAC-500

Compost Tea Supplies



Alfalfa Meal

An excellent, Non-GMO ingredient for pre-activating compost for tea brewing. With 17% protein, it's a great ingredient for adding diversity to compost or direct soil application

ALF50: 50 pound bag

Unsulfered Blackstrap Molasses

Feeding bacteria and fungi, molasses makes a versatile and cost effective substrate for compost tea brewing as well as soil applications. Be careful not to over apply.

MOL1/4:

Case of (four) 1 gallon jugs



OMRI Solu-Fish 2-3-1

A premium cold pressed fish hydrolysate rich in natural oils, proteins, vitamins, amino acids, enzymes, and natural plant growth hormones. The perfect choice for adding to compost tea and direct soil applications!

SOLUF1
One Gallon Jug Solu-Fish

SOLUF25
One 2.5 Gallon Jug Solu-Fish

SOLUF5
Two 2.5 Gallon Jugs Solu-Fish

SOLUF55
One 55 Gallon Drum Solu-Fish

SOLUF275
One 275 Gallon Tote Solu-Fish



OMRI Kelp Meal

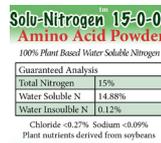
With 18 Amino Acids, 14 Vitamins, 24 minerals and elements, this powerhouse of the sea world has a lot to offer. Excellent for your compost pre-activation, compost tea brewing and direct soil application.

KELPM50: 50 pound bag



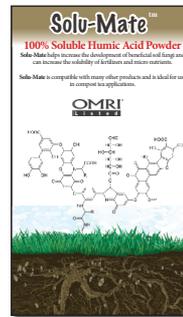
OMRI Solu-Kelp 0-0-15

Made from sustainably harvested Atlantic seaweed, our 100% water soluble seaweed powder is abundant in trace minerals, vitamins and plant growth hormones. This is a core ingredient for professional compost tea brewing and direct soil applications.



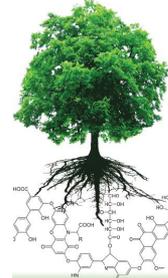
Solu-Nitrogen 15-0-0

This is a great product to add a nitrogen boost to plants when required. Made from soy beans, this 100% water soluble powder can be added to compost tea right before application. Using Solu-Nitrogen may reduce the need for granular applications of fertilizer.



OMRI Solu-Mate

A 100% water soluble micronized powder which contains 95% Humic and Fulvic Acids. Another excellent food resource for beneficial soil fungi which are critical for mineralization of nutrients otherwise unavailable to plants.



Solu-Stimulant

This 100% natural water soluble powder is a blend of Solu-Kelp™ Soluble Seaweed Powder and Solu-Mate™ Humic Acid Powder. It contains 16 trace minerals, cytokinins, gibberellins, and auxins. These substances have a direct benefit in rooting, mineral chelation and plant resiliency.

Oat Flour

High in complex carbohydrates and proteins, oat flour is an excellent choice for enhancing microbial growth. We have observed a proliferation in nematode numbers and fungal biomass when used as a compost pre-activation agent. Great for compost tea brewing.

OATF50: 50 pound bag



Azomite Micronized Powder

A broad spectrum of over 70 metabolically active minerals and trace elements, Azomite is an excellent food resource for both fungi and bacteria.

AZOM44: 44 pound bag



VermaGrow™ Blends for Soil Amending and Compost Teas

Anyone practicing organic land care knows that the single most important factor in making nutrients plant available is having healthy soil biology to cycle nutrients. Harrington's has spent decades refining methods of producing various types of composts and soil blends to enhance fertility. The end result is a versatile group of source materials you can use to create healthy and diverse soil food web communities in soils, extracts, and teas.

Whether you are amending potting mixes, top-dressing beds, or making teas and extracts, you will find this line of vermi-products one of your best assets.

VermaGrow™

1.5-0.7-1.5

VermaGrow™

5 & 25 lb sizes (larger quantities available)

100% Blend of pure earthworm castings, compost, trace minerals, & beneficial microbial inocula. Harrington's also adds a proprietary recipe of ingredients including strains of beneficial bacterial and fungal inoculums to enrich the compost with essential elements and foods to promote a healthy and diverse soil foodweb community. These earthworm castings are a great choice for those professional applicators wanting to make high quality compost tea or liquid compost extracts.

VermaMate™

1.2-0.5-1.2

VermaMate™

5 & 25 lb sizes (larger quantities available)

A biological source of beneficial soil microorganisms, enriched substrates and microbial foods. This formulation allows beneficial microbes to survive harsh soil environments, improve nutrient cycling, and increase plant health. The soil conditioning "Humate" is an OMRI-listed, certified organic, granular product and is the foundation of all of Harrington's humic acid products.



VermaChar™

1.2-0.5-1.2

VermaChar™

5 & 25 lb sizes (larger quantities available)

Biochar is a term used for biomass charcoal derived from plant materials. VermaChar product combine the benefits of biochar with a biological source of beneficial soil microorganisms, enriched substrates, and microbial foods. This formulation allows beneficial microbes to survive harsh soil environments, improve nutrient cycling, as well as increase fertility and overall plant health.

Active B™

Compost Tea Catalyst

Active B™

5 & 25 lb sizes (larger quantities available)

For use with VermaGrow™ Premium Compost Tea Starter. This blend of nutrients and activators stimulates the rapid growth of beneficial bacteria for use in foliar sprays for plant health care. This blend of nutrients and activators stimulates the rapid growth of beneficial bacteria for use in foliar sprays and soil drenched for plant health care. Sufficient quantity for ten (10) fifty (50) gallon batches or 500 gallons.

Active F™

Compost Tea Catalyst

Active F™

5 & 25 lb sizes (larger quantities available)

A custom, Fungal Foods Blend specifically developed as a Compost Tea Catalyst. Use with VermaGrow™ Premium Compost Tea Starter. This blend of nutrients and activators stimulates the rapid growth of beneficial fungi for use in foliar sprays for plant health care. This blend of nutrients and activators stimulates the rapid growth of fungi for use in foliar sprays and soil drenches for plant health care. Sufficient quantity for five (5) fifty (50) gallon batches or 250 gallons.

Compost Tea Spraying Equipment

Our CT series of professional compost tea sprayers feature the finest components and design features that exceed the specifications of any other applicators available. Fabricated by the leading sprayer manufacturer, this rugged equipment is designed specifically for handling the delicate biology contained in actively aerated compost tea as well as other materials which are highly abrasive in nature. We offer several different sprayer models to suite your needs and offer many different options.

There are several design details which make these sprayers the number one choice for professionals. Our sprayers feature highly efficient strainer systems, oversized plumbing with a minimum of sharp angles making clogging and damaged biology a thing of the past. Ease of cleaning will make efficient use of your time with an absolute minimum of hard to reach areas.

Most of our sprayers come equipped with diaphragm pumps which are both gentle on biology and supply enough

volume for the professional applicator. As your operation grows, you have the ability to add modular spray tanks which are available in several different sizes. Aeration systems are available which will help to keep beneficial biology active for extended periods of time.

We offer several popular spray guns and soil injection equipment as well as full draining tanks to improve your efficiency. Please visit our website to build and price your own sprayer right on line!

MODEL	Base dimensions (inches)		Overall dimensions pickup style (reel opposite pump/engine) (inches)			Overall dimensions van style (reel under pump/engine) (inches)			Empty weight (lbs.)	Full water weight (lbs.)
	A	B	C	D	E	F	G	H		
	Width	Depth	Width	Depth	Height	Width	Depth	Height		
V-50 ST	38.5	22	71.5	30.5	37	54.5	30.5	37	255	672
V-100 ST	38.5	32	75.5	36.5	41	58	36.5	41	370	1203
V-150 ST	48.5	38	85.5	43	41	68	54.75	41	385	1635
V-200 ST	48.5	38	85.5	43	41	68	54.75	41	390	2056
V-300 ST*	41	69	77	74	41	60.5	77	41	540	3039

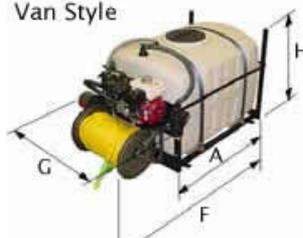
Note: Clearance under the engine plate is 22".

* The V-300 ST tank orientation is front-to-back in the truck bed versus side-to-side on all other models.

Pickup Style



Van Style



V-300 ST *



Compost Tea Spraying Equipment

Model CT-50 is compact, lightweight, and cost effective. This sprayer is ideal for small farms, orchards and estates. This sprayer can easily fit into a small pickup truck or virtually any utility vehicle. Alternatively, it can be mounted onto an optional hand cart shown on page 13.

Model CT-100 was designed for medium sized projects. Perfect for anyone needing compact, rugged and dependable spraying equipment. These sprayers will fit into a mid-sized pickup truck between the wheel wells to help maximize your space.

Model CT-150 Compost Tea sprayer is well sized for larger projects on estates and large residential properties. These sprayers will fit into a full sized pickup truck between the wheel wells. The location of the hose reel can be changed to the same side as the engine and pump.

Model CT-200 is well suited to larger landscape contractors, lawn care specialists, colleges, institutions, small farms and estate managers. Hose reel can be changed to opposite side below engine and pump. Can accommodate a second hose reel. Fits between wheel wells in full size pickups.

Model CT-300 is well suited for commercial duty service for landscape contractors, tree care companies, farms and golf courses. Unlike our other CT series sprayers, the CT-300 fits lengthwise between the wheel wells of a full sized pickup truck. Accommodates a second hose reel.



Standard Features

Model	Tank	Engine	Pump	Hose Reel
CT-50	50 Gallons	Honda 5.5 HP	Kappa 25GR	Manual
CT-100	100 Gallons	Honda 5.5 HP	Kappa 43GR	Electric
CT-150	150 Gallons	Honda 5.5 HP	Kappa 43GR	Electric
CT-200	200 Gallons	Honda 5.5 HP	Kappa 43GR	Electric
CT-300	300 Gallons	Honda 5.5 HP	Kappa 43GR	Electric



See page 17 for sprayer accessories!

Compost Tea Spraying Equipment



PTO/3 Point Hitch Sprayers

Our 3 point hitch compost tea sprayers are perfectly suited for applications to larger areas such as sports fields, farms, estates, or anywhere truck mounted sprayers are impractical or impossible. Available in 55, 85 and 100 gallon sizes.

These three point hitch sprayers quickly mount onto equipment with a heavy duty category 1 frame and fit tractors with standard 540 RPM power take offs. These sprayers are equipped with either an Udor Kappa 55 diaphragm pump (rated at 14 GPM @ 540 RPM, 560 PSI max) with an optional Udor Kappa 75 (rated at 20 GPM @ 540 RPM, 560 PSI max) for higher volume applications. The nozzle(s) are controlled with a solenoid switch and console box which is mounted in the cab of your tractor which is standard equipment.

A manual hose reel can be mounted onto the powder coated steel framework for the ultimate in versatility. With this hose reel, you can easily reach inaccessible areas or attach a soil injector for root fertilization or compost tea injections. A fully adjustable 'Boominator' boomless spray nozzle is standard equipment, however, a variety of spray boom kits are available to suite your situation. Please see page 13 for more info.

3PT50: 50 Gallon PTO Sprayer
3PT85: 85 Gallon PTO Sprayer
3PT100: 100 Gallon PTO Sprayer

Standard Features		Optional Equipment	
Tank	55, 85 or 100 Gallon poly-style, jet agitation, 8 inch diam. fill well, powder coated steel frame	Optional Pump	Udor Kappa 75 diaphragm pump, 20 GPM @540 RPM, 560 PSA Max
Pump	Udor Kappa 55 diaphragm pump, 14 GPM @540 RPM, 560 PSA Max.	Hose Reel	Hannay Model 1020-14-16, manual rewind, 175 feet of 3/8 inch yellow turf hose
Nozzle	Boominator wide angle nozzle, fully adjustable	Gun Options	A variety of spray guns and soil injectors available
Control	Solenoid control unit with cab mounted remote switch unit	Spray Booms	10, 15, 20 or 27 foot manual fold, spring break away
Frame	Category 1 powder coated, heavy duty steel frame	Foam-Marker	Provides temporary marker of your last pass, preventing overlaps and skipped areas

Tote-Mate Sprayer

Introducing the **Tote-Mate 200 spray system**, designed to be attached to any liquid bulk tank which is equipped with a metal frame. At only 120 pounds, this compact sprayer is easily transportable and can be moved to different tanks as needed.

The Tote-Mate sprayer is equipped with a 1 hp Honda centrifugal pump which has regulated pressure of 50 pounds per square inch (psi). An efficient by-pass system assures that the liquid is being properly circulated in the tank. A two inch (2") quick-connect coupling connects the pump siphon to the valve at the bottom of the tote. The bypass hose connected to the pump returns liquid back into the tank. This sprayer can easily be configured to serve as a transfer pump to move compost tea or extracts from your brewer to your spray tank. Configured in this manner the Tote-Mate will transfer approximately 30 gallons per minute through a one inch (1") hose.

The Tote-Mate 200 comes standard with a 3 gpm quick disconnect lawn gun which is ideal for soil drenching lawns, trees, shrubs and vegetables. Various nozzles are available for the gun which will enable you to spray up to 25 feet high. 200 feet of 1/2" spray hose is included on a high quality Hannay manual hose reel. Reconditioned 275 gallon totes are available in both 6" and 16" openings at the top.

TOTEM1: Tote Mate Sprayer



Sprayer Accessories & Options



Aeration Systems

Keep your compost tea active and aerated for several hours longer. Comes complete with air pump (120 volt models come with 12 volt inverter), wiring harness, power switch, shroud, air lines and removable aerator. Available in 12 and 120 voltages.

Spray Guns

We carry many different models of spray guns including the Green Garde JD-9 model and Udor's Turbo and Turbine guns.



Soil Injectors

Greene Guard root feeders, available in two models which adapt to the JD-9 spray gun. A professional grade tool built to last.



Air Gap Fill Lines

Permits "hands free" filling of your tanks. Comes in ¾",

1.5" and 2" sizes. A real labor saver.

Boomless Nozzle Kits

Transforms your CT Series sprayer into a boomless sprayer. Attaches to trucks and utility vehicles with Reese hitch. Includes boominator nozzle, Reese bracket, plumbing, solenoid valve, wiring harness and control box.

CT Series Sprayer Options and Components

We offer a comprehensive range of sprayer options, parts and accessories for our CT Series sprayers. Please visit our website for a complete listing at www.compostwerks.com



Modular Tanks

Available in 35, 50, 100, 150, 200 and 300 gallon sizes. Equipped with heavy duty base frames, suction and return lines. Can also be equipped with aeration systems, air gap fill lines and full drain options. Ball valves for suction and return lines required.

Hose Reels

We only offer Hannay Hose Reels, the finest in the industry. Electric and manual rewind models available for all hose diameters from 3/8" to ¾" and up to 400 feet in length. Fused wiring harnesses are available.

Full Draining Tanks

Allows thorough draining of tanks which speeds cleaning process. Comes equipped with 5" risers welded to the base frame and special drains at the bottom of the tank. Available in both CT Series sprayers and modular tanks.

Hose Reel Roller Guides

Roller guides can be easily added to the hose reel and aid in the rewinding of hoses.



Hand Cart for 50 CT-50 Sprayer

We offer an optional hand cart for the CT-50 sprayer which makes it ideal for transporting. This cart's dimensions are 36" x 72" with a 1,000 lb. capacity

Spray Hose

Let us help you select the correct hose for your application. The 600 psi hose comes in 3/8" and ½" inside diameter in either 300 or 400 lengths. The 800 psi hose comes in ½", 5/8" or ¾" inside diameters in either 300 or 400 lengths. This PVC and Poly composite hose is durable as well as flexible.

Gas Powered Diaphragm Pumps

We offer the following diaphragm pumps directly coupled with Honda engines, ready to bolt onto your sprayer.

Gas Engine Powered Diaphragm Pumps (Direct Coupled)		
UDOR KAPPA-25/GR	Honda 4.0 HP	7.0 gpm, 300 psi
UDOR KAPPA-40/GR	Honda 5.5 HP	10.5 gpm, 560 psi
UDOR KAPPA-43/GR	Honda 5.5 HP	12.5 gpm, 560 psi
UDOR KAPPA-55/GR-5	Honda 6.5 HP	14.0 gpm, 350 psi
UDOR KAPPA-55/GR-8	Honda 9.0 HP *	14.0 gpm, 560 psi
UDOR KAPPA-75/GR	Honda 13.0 HP *	19.0 gpm, 560 psi
UDOR RO-110/GR	Honda 9.0 HP *	29.0 gpm, 300 psi
UDOR ZETA-85/P-GR5	Honda 6.5 HP	22.0 gpm, 300 psi

Soil Amendments



Azomite OMRI LISTED

Simple to apply, Azomite is a complex of naturally occurring minerals which contain essential micro-nutrients for plant growth. Azomite aids in the growth of beneficial microbes back in your soil. Available in both micronized and granulated formulations. Apply at 300-600#/acre. Full pallet is 50 bags.

AZOMM44 Micronized
AZOMG44 Granulated

Aragonite

A calcium carbonate mineral that comes from seashells. It is used instead of lime in situations where the soil is already high in magnesium, or where dolomite (high mag limestone) is the only liming material available. Approximately 94-97% of the neutralizing value of CaCO₃. Full pallet is 50 bags.

ARAG50 50 Pound Bag



Alfalfa (Certified Organic)

A soil amendment that invigorates the biological activity in the soil. It contains 17 percent crude protein which translates into 2.75 percent nitrogen. Non GMO and grown on certified organic farms. Application rates are normally 10#/1000 ft². Full pallet is 40 bags.

ALF50 50 Pound Bag

Blood Meal

A reliable source of quickly available organic Nitrogen, at 12-13%. Due to its soluble nature, blood meal is broken down rapidly by soil organisms into an available nutrient. Apply between 7 and 20#/1000 ft² depending on nitrogen requirements. Full pallet is 40 bags.

BLD50 50 Pound Bag

Bone Char (OMRI Listed)

A burned bone meal containing more than 16% available phosphate (P₂O₅) and 32% total phosphate plus 33-34 percent calcium. Available in 50 pound bags. Also available in one ton bulk sacks.

BONE50 50 Pound Bag
BONE2000 One Ton Bulk Sack

Bone Char and Greensand Mix (25/75)

This mixture offers 4% available phosphate and 7% calcium from bone char along with soil conditioning benefits and trace elements from greensand. Apply at 20-30#/1000 ft². Full pallet is 50 bags.

BONEGS50 50 Pound Bag

Bone Meal

As a slow-release 3-15-0 fertilizer, bone meal is primarily used as a source of phosphorus and helps plants to store and transfer energy, promotes root, flower and fruit development. Apply at 20-30#/1000 ft². Full pallet is 40 bags.

BONEM50 50 Pound Bag

Calcium Lime

Calcium Lime is a finely ground and pelletized calcite lime that contains 35 percent calcium (49 percent calcium oxide, 87.5 percent calcium carbonate equivalent) and only 0.25 percent magnesium (0.42 percent magnesium oxide, 0.87 percent magnesium carbonate equivalent). Apply at 12.5 to 50#/1000 ft². Comes 63 to a pallet. Also comes in 50 pound bags 40 to a pallet.

CALIME40 40 Pound Bag
CALIME50 50 Pound Bag

Chilean Nitrate (OMRI Listed)

Mined from a desert in Northern Chile, Chilean Nitrate (NaNO₃) is available to plants in cold soils. This amendment contains 16% organic soluble Nitrogen. Full pallet is 50 bags. Also available in one ton bulk sacks.

CHILEAN 50 pound Bag
CHILEANTON One Ton Bulk Sack



Corn Gluten Meal

Primarily used as a natural weed suppressant for natural lawn care. CGM also contains 10% Nitrogen, however is considered uneconomical to use as a fertilizer. Normally applied at 20#/1000² as a weed suppressant. Full pallet is 40 bags.

CGM50 50 Pound Bag

Cotton Seed Meal

Analysis is 6-2-1. Nitrogen is almost 85 percent water insoluble. Cottonseed meal will acidify soil at a value of 9 pounds CaCO₃ (calcium carbonate or pure lime) per 100 pounds. Full pallet is 40 bags.

COTT50 50 Pound Bag



Crab Shell Meal and Flour

An organic source of NPK (2-3-0), 23% Calcium and 1.33% Magnesium. Total neutralizing value CaCO₃ equivalent is 49.5%. This naturally sourced substrate helps with nematode and fungus problems due to naturally high levels of Chitin. Apply at 10#/1000². Full pallet is 40 bags.

CRAB50 50 Pound Bag

Dolomitic Lime

Added to soils and soilless potting mixes as a pH buffer and as a magnesium source. Contains 40 to 45% MgCO₃ and 54 to 58% CaCO₃. Full pallet is 70 bags.

DOLOLIME40 40 Pound Bag



Feather Meal

This pelletized slow release form of Nitrogen is high in Keratin, a protein that occurs in hair, hoofs, horns and feathers. At 13%, this is an excellent long-term source of nitrogen but not appropriate for the plant's immediate needs. Applied at 200 to 250#/acre. Full pallet is 40 bags.

FEATHER50 50 Pound Bag

Soil Amendments



Greensand 
A naturally occurring iron-potassium silicate from New Jersey. Greensand contains potassium (insoluble), iron, magnesium, calcium and phosphorus plus as many as 30 other trace minerals. Having the consistency of sand, it absorbs 10 times its weight in water making it a great soil amendment. Applied at 25#/1000 ft² Full pallet is 50 bags. Also available in one ton bulk sacks.

GRNS50 50 Pound Bag
GRNSTON One Ton Bulk Sack

Greensand Plus

A combination of Greensand and Sulfate of Potash that contains 17% soluble potash in combination with the soil conditioning and slow release minerals from Greensand. Full pallet is 50 bags.

GRNSPL50 50 Pound Bag



Gypsum 
A natural occurring calcium sulfate that can provide calcium to soils without changing pH with the added benefit of lightening compacted soils. Gypsum contains 23 percent calcium, 19 percent sulfur, and trace amounts of potassium and magnesium. Full pallet is 50 bags.

GYP50 40 Pound Bag



Granular Humates (OMRI Listed)

Alberta humalite is a highly oxidized and 100% organic material with the lowest ash content at 11%. This substrate offers North America's highest humic acid content at 83%. Humates help improve soil structure by binding particles together, enabling increased aeration and root penetration. Humates also increase the cation exchange capacity of the soil, and increase the nutrient- and water-holding capacity and directly stimulate foliar and root development. Applied at 10#/1000 ft². Full pallet is 42 bags. Available in one ton bulk totes.

HUMEC55 55 Pound Bag Coarse Grade

HUMECTON One Ton Bulk Sack Coarse Grade

HUMEF55 5 5 Pound Bag Fine Grade

HUMEFTON One Ton Bulk Sack Fine Grade

Kelp Meal

A versatile organic source of naturally chelated trace elements which increases the health of soil, plants and animals. Use as a compost additive, soil amendment, source of organic matter, trace elements, plant growth hormones and amino acids. Sustainably harvested in cold Atlantic waters right in the USA! Applied at 10#/1000 ft². Available in 50 pound bags. Full pallet is 40 bags.

KELPM50 50 Pound Bag

Peanut Meal

A by-product of the U.S. peanut processors, oil is extracted from non-GMO peanuts and the leftover meal is then pelletized and crumbled into a dust-free consistency. Peanut meal typically contains 8% nitrogen, 5.5 percent of which is water insoluble, 1% available phosphate, and 2% soluble potash. Full pallet is 40 bags. Also available in one ton bulk sacks.

PNUT50 50 Pound Bag
PNUTTON One Ton Bulk Sack

Phosphate Rock

This non leaching, 100% organic untreated soft phosphate contains valuable minor minerals in addition to 30% phosphorus, 3% of which is water soluble. It will not change soil pH. Applied at 25 to 50#/1000 ft² based on soil test. Full pallet is 50 bags. Also available in one ton bulk sacks.

PHOS50 50 Pound Bag
PHOSTON One Ton Bulk Sack

Sulfate of Potash

Second only to the need of Nitrogen in terms of plant requirements, Potassium is a critical nutrient. Sulfate of Potash (K₂SO₄) contains 51% soluble potash and 18% sulfur. Many crops use as much as 250# of potash per acre per year. Full pallet is 50 bags. Also available in one ton bulk sacks.

SOP50 50 Pound Bag
SOPTON One Ton Bulk Sack



Sulfate of Potash Magnesia

Also known to as Sul-Po-Mag or K-Mag, Natural Sulfate of Potash, Magnesia (K₂SO₄) typically contains 22 percent potash, 11 percent magnesium and 23 percent sulfur. Like sulfate of potash, Sul-Po-Mag is soluble and acceptable material for use in certified organic crops and the practice of organic land care. Full pallet is 50 bags. Also available in one ton bulk sacks.

SOP50 50 Pound Bag
SOPTON One Ton Bulk Sack



Sulfur

A useful substrate for lowering soil pH. This is possible because of biological and chemical processes. Above the temperature of 60° soil bacteria use sulfur as energy and create sulfate ions (SO₄). Sulfate combined in solution (H₂O) create sulfuric acid, which reacts with carbonates in the soil to make carbon dioxide and water. The removal of carbonates lowers pH. Consult our website for application rates. Full pallet is 50 bags.

SULF50 50 Pound Bag

Liquid Amendments

Hydrolyzed Fish Fertilizer 2-3-1

Neptune's Harvest is an OMRI Listed organic fertilizer made from a great diversity of fresh North Atlantic fish. It is created with a unique cold process that preserves the vitamins, amino acids, enzymes and naturally occurring plant 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.

The value of properly made fish hydrolysate should not be underestimated. It is easy to handle, shelf stable for years and will not create large bursts of vegetative growth like petro-based fertilizers.



NEPF1 One Gallon Jug
 NEPF5 Five Gallon Pail
 NEP55 55 Gallon Drum
 NEPF275 275 Gallon Bulk

Please See Page 5 for Details About Solu-Fish

Seaweed Plant Fertilizer 0-0-1

Neptune's Harvest Liquid Seaweed Extract is derived from fresh *Ascophyllum nodosum* seaweed harvested from the North Atlantic coastal waters of Nova Scotia, Canada. It's an organic storehouse of over 60 naturally occurring major and minor nutrients and amino acids. Its growth promoting substances (Auxins, Cytokinins, Gibberellins) help promote 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 healthy root systems. Seaweed is an excellent addition to any organic fertilization program.



NEPS1 One Gallon Jug
 NEPS5 Five Gallon Pail
 NEPS55 55 Gallon Drum
 NEPS275 275 Gallon Bulk Tote

Fish and Seaweed Fertilizer 2 - 3 - 1

Neptune's Harvest Organic Fish/Seaweed Blend Fertilizer gives you the best of both products with a perfect blend of fish hydrolysate and seaweed, ensuring a complete fertilization program. This blend can help you to decrease the handling mixing both fish and seaweed fertilizers.

Growers using Neptune's Fish and 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 sugar in plants. Flowers and foliage will be stronger and more colorful. Blooms will be more plentiful, fragrant and longer lasting.



NEPB1 One Gallon Jug
 NEPB5 Five Gallon Pail
 NEPB55 55 Gallon Drum
 NEPB275 275 Gallon Bulk Tote

Trace Elements



Azomite 
Coming in both micronized and granular formulations, Azomite is an inexpensive material offering a broad array of trace minerals. Full pallet is 50 bags.
AZOMM44 44 Pound Micronized
AZOMG44 44 Pound Granulated

Aragonite
Aragonite is a calcium carbonate mineral that comes from seashells, such as oyster shells. This is a great source of calcium and other trace minerals. Full pallet is 50 bags.
ARAG50 50 Pound Bag

Cobalt Sulfate (33%)
Enhances root production of the plant growth hormone cytokinin which reduces senescence (aging) of plant tissues.
COBAL5 5 Pound Bag
COBAL50 50 Pound Bag

Copper Sulfate (25%)
Known to increase cell wall and stem elasticity, stem strength and disease resistance in plants.
COPP5 5 Pound Bag
COPP50 50 Pound Bag

Greensand 
Contains potassium (insoluble), iron, magnesium, calcium and phosphorus plus as many as 30 other trace minerals. Full pallet is 50 bags.
GRNS50 50 Pound Bag
GRNSTON One Ton Bulk Sack



Gypsum (SuperCal S04) 
A naturally occurring calcium sulfate that can provide calcium to soils without affecting the pH. Full pallet is 50 bags.
GYPS40 40 Pound Bag

Iron Sulfate (50%)
Critical in chlorophyll production, plant metabolism and the fixation of nitrogen in plants.
IRON5 5 Pound Bag
IRON50 50 Pound Bag

Magnesium Sulfate (9.8%)
An essential element in the chlorophyll molecule, magnesium supports the photosynthetic process in plants. Full pallet is 45 bags.
EPSOM5 5 Pound Bag
EPSOM50 50 Pound Bag

Manganese Sulfate (27%)
Critical for seed vitality and germination, energy transport and also an important element in reproducing DNA for cell division.
MANG5 5 Pound Bag
MANG50 50 Pound Bag

Sodium Molybdate (39.5%)
Required for effective nitrogen metabolism in plants. Utilized by soil microbes to fix atmospheric nitrogen.
MOLYB5 5 Pound Bag
MOLYB50 50 Pound Bag


Solubor[®]
Soluble borate powder for crop nutrient sprays and solutions

Solubor (20%) 
Combines the highest concentration of Boron with the maximum possible dispersion and solubility in water.
SOLUB5 5 Pound Bag
SOLUB50 50 Pound Bag

Sulfur (90%) 
Promotes activity and development of enzymes, proteins, vitamins chlorophyll, root growth and seed production. Full pallet is 50 bags.
SULFUR50 50 Pound Bag

Zinc Sulfate (35.5%)
Important in phosphorus movement and energy transport inside the cells and also a component of photosynthesis.
ZINC5 5 Pound Bag
ZINC50 50 Pound Bag

Humates: Useful Tools in Nutrient Management

Rich in carbon, Humic and Fulvic acids are excellent food resources for beneficial soil fungi which are critical for mineralization of nutrients otherwise unavailable to plants. The Humic and Fulvic acids contained in humates act as natural chelating agents binding to nutrients in the soil. Plant roots absorb these humic acid/nutrient compounds and effectively increase the efficiency of plant uptake of nutrients and decreasing nutrient losses through leaching.

In combination with fertilization, it allows you to get the most out of your soil management program and may even reduce the amount of nutrients applied. It will contribute to improving soil quality, texture, water holding and capacity while breaking down clay lattices and reducing sodium build up in soils. By using a dry soluble product, you can make small liquid batches when/where needed, storage and handling is much simpler and cost efficient.

North Country Organics Fertilizers

Natural No-Phos 6-0-6

As the name implies, this fertilizer addresses fertility requirements in soils that already have a surplus of phosphates. Many government agencies have been regulating the use of materials containing phosphates which make No-Phos a great choice where soil testing data is unavailable or impractical. No-Phos 6-0-6 is made from Sulfate of Potash, Nitrate of soda, Peanut Meal, Feather Meal, and pasteurized poultry litter. Four of the 6% nitrogen is water insoluble. Apply at 16 to 17#/1000 ft² One 50 pound bag covers 3000 ft²
NOPH50 50 Pound Bag



Nature's Turf 8-1-9

A designer fertilizer made specifically for turf! The objective of Nature's Turf 8-1-9 is to provide nutrients to turf plants in the most efficient manner possible, and the best way to accomplish that is to address the biological activity in the soil. Nature's Turf contains ingredients that feed soil organisms which improve conditions for turf's success. Application rates vary from 3 to 12 pounds per 1000 ft² depending on soil conditions
NATU50 50 Pound Bag



Pro-Start 2-3-2 (OMRI Listed)

Originally designed as a winterizing blend for lawns and grass hay. However, over the years it proved to be an excellent choice for the establishment of ornamental lawns, root crops, tomatoes, eggplants, legume vegetables, perennials, flowering shrubs, mature fruit trees, legume hays. Pro-Start is especially beneficial as a starter fertilizer for any kind of seed or transplant. Apply at 20 to 30#/1000 ft²
PROS50 50 Pound Bag



Pro-Booster 10-0-0

A special blend of protein meals and natural nitrate of soda that offers 10 percent total nitrogen, one third of which is immediately available (water soluble) with two thirds in a slow release form. Pro-Booster provides nitrogen to plants that need an extra boost during critical periods of the season. Whether it is used on heavy feeding turf varieties or N loving field crops, Pro-Booster is the natural choice. Apply at 10#/1000 ft²
PROB50 50 Pound Bag



Cheep Cheep 4-3-3 (OMRI Listed)

An all-purpose organic fertilizer derived from dehydrated poultry litter which is designed to fulfill the needs of certified organic growers and ecological land care professionals at a reduced cost. Cheep Cheep is a consistent, dust-free, granular product that flows well and dispenses through any style of spreading equipment. With 60% organic matter, it is a natural, slow-release, biologically active organic fertilizer for healthier plants with less leaching of nutrients. Apply 15 to 25#/1000 ft² two to four times during the season.
CHCH50 50 Pound Bag



Pro-Gro 5-3-4 (OMRI Listed)

North Country Organics' premium and best-selling general purpose fertilizer that excels in every application. Pro-Gro is a high nutrient natural product that plants and trees respond to with rapid and sustained growth, making it the most popular blend for nurserymen, landscapers, fruit and vegetable growers, farmers, and retail dealers. Whether it is used in gardens, lawns, orchards, nurseries or fields, Pro-Gro 5-3-4 improves the yield and quality of anything that grows. Also available in a Non-Chilean Nitrate formulation. Apply at 20 to 30#/1000 ft²
PRG50 50 Pound Bag



Pro-Holly 4-6-4

A natural fertilizer blended from mineral and organic ingredients specifically made for ericaceous and other acid loving plants such as Azaleas, Ferns, Heaths, Hydrangeas, Raspberries, Blueberries, Pachysandras, Holly, and Rhododendrons. Pro-Holly is specially formulated to meet the nutrient needs of plants that require more acid conditions. The natural ingredients provide not only the major and minor nutrients required by acid-loving plants, but also serves to maintain the proper pH. Apply at 20 to 30#/1000 ft²
PROH50 50 Pound Bag

CUSTOM BLENDS

North Country Organics offers custom blending based upon your specifications and soil analysis.

Feel free to send us your soil reports and square footage for free recommendations and price quotes. A minimum of one ton is required for custom blending.

Need micro-nutrients, lime or other amendments? Please see our comprehensive offerings on pages 14 to 17

Compostwerks Bulk Compost & Mulch

Premium Quality Bulk Compost & Mulch

We supply high quality bulk compost and triple ground mulch delivered right to your jobsite in Westchester County New York and the New York metropolitan area as well as Fairfield County Connecticut.

To our knowledge, we are the only company providing biologically active compost that is independently tested by both biological and chemical laboratories. This assures that quantifiable results will be attained in the field time after time. These results are always posted and up to date on our website.

Our compost has an outstanding diversity of beneficial soil microbes, including fungi, bacteria, protozoa, nematodes and micro arthropods. Screened to ½ inch, you'll find it well suited for compost top dressing on turf, gardens, trees, shrubs and all planting projects.

Municipal bio-solids are never used as feed stocks for compost production. We properly maintain quality control at 40 - 55% moisture level in the compost at all times.

Please visit our website to view the current biological analysis and soil chemistry assays of our compost.

Availability of our compost and mulch stock can fluctuate, so kindly order ahead of time in order to avoid shortages and delivery delays. Please call or email to order.



Bulk compost and mulch delivered to your jobsite.



Ready to top dress large turf areas.



Premium Bulk Compost & Triple Ground Mulch Delivered!



Eco-Lawn Top Dresser

The Eco-Lawn Top Dresser is quite simply the most versatile and maneuverable self propelled top dresser on the market. These applicators will spread compost, natural fertilizers, lime, sand, corn gluten and even salt! This rugged machine will save countless hours of labor and dramatically increase your efficiency. This top dresser was designed and developed in 1994 to respond to the needs of the organic land care professional in the horticultural and agricultural industries.

Design Features

At less than 300 pounds, the Eco-Lawn Applicator is completely self propelled and highly maneuverable even up steep and uneven grades. The hopper's capacity is 1/3rd of a yard and can handle a 500 pound load. Adjustments to the conveyor, rotary disc, agitator and drive systems require only basic hand tools and mechanical skills. There are multiple grease fittings which are easily accessible to assure long bearing life. These units will easily fit through a standard 36 inch gate and loading the Eco-Lawn Applicator from your truck is a simple exercise. Eco-Lawn is equipped with the finest components available: Honda engines and Peerless differentials



Operation

You will quickly realize that there is no learning curve when operating the Eco-Lawn Applicator. Simply load the hopper with material, start the motor, open the feeding trap and engaging the conveyor. You can spread up to 8 cubic yards on materials an hour! At the bottom of the hopper, a textured conveyor transports the product to an agitator which breaks up the product as required. The product is then sent through an adjustable feeding trap and falls onto the rotary disk that evenly disperses the material onto the ground. The combination of these systems allows for the efficient application of both wet and dry products. It is important to note that the moisture level of products should not exceed 65 %.

Options

The Eco-Lawn Applicator comes in two models. The ECO-100 is a three wheeled, single spinner top dresser which is ideal for spreading compost and soil mixes. The ECO-200 is a four wheeled unit, featuring a dual spinner which can handle pelletized materials, sand and compost with an even greater precision and evenness as compared to the ECO-100.



ECO100 single spinner
ECO200 double spinner

Scalable from very small backyard situations up to large composting facilities, o₂ “Static Aerated Static Pile” composting systems make high quality compost quickly with no odors and no turning. Join the growing number of colleges, restaurants, landscape contractors, municipalities, livestock owners and professional composting facilities who have adopted this labor saving technology.

The systems designed by O₂ Compost are capable of producing from one to thousands of cubic yards of compost. These “Aerated Static Pile” systems have been developed specifically to compost yard and landscape wastes, manures and animal bedding.

O₂Compost systems are used to convert all varieties of organic wastes into a value added product, for use in planting, compost top dressing, landscapes and for sale to local gardeners. With an emphasis on keeping it simple, o₂ has developed composting systems for every scale of operation and for every budget. The o₂Compost system that is best for your situation is determined by the volume of material that you will be composting and your preference for a portable, semi-permanent or permanent system.



Advantages to the o₂ Compost method:

- Produce finished compost in 60 days or less without turning the pile!
- Eliminate adverse impacts to surface water and ground water;
- Destroy parasites, pathogens and weed seeds in the finished product;
- Eliminate offensive odors;
- Significantly reduce flies, rodents and other pests;
- Improve your animals’ health;
- Eliminate the time and expense of off-site disposal;
- Create a nutrient-rich product that is safe to use on pastures and gardens;
- Earn a profit by selling your finished compost and create a return on your investment;
- Improve the value of your farm or business.

The sizing of your o₂ system can be determined by a brief phone consultation. Please contact us today for details and information.

TopTex Compost Production Fleece

TopTex compost production fleece is an important tool for creating optimal composting conditions. TopTex serves as a water barrier, diverting rainfall away from the windrows, and allows water vapors to evaporate from wet materials. TopTex also protects feed stocks from drying out by block-

ing sunlight and wind. Essentially, TopTex does an excellent job at moderating moisture.

By properly managing optimal moisture levels, nutrients are retained and leachate is kept to an absolute minimum. TopTex allows necessary gas exchange and helps to maintain proper temperatures throughout the outer layers of the piles.

As an additional benefit, TopTex effectively prevents the atmospheric introduction of weed seeds into maturing compost.

TOPT: 13' x 164' roll



Grass & Cover Crop Seed

We carry a broad range of grass and cover crop seed. Please order early since there is a large demand for endophytically enhanced seed.

Grass Seed (50 pound bags)
**** Indicates availability in 25 pound bags**

Conservation Mix, VT
 Fescue, Azay Sheeps
 Fescue, Gibraltar
 Creeping Red
 Fescue, Longfellow II
 Chewings
 Fescue, Spartan II Hard
 Kentucky Bluegrass 85/80
 Kentucky Bluegrass 98/85
 Kentucky Bluegrass, Blue Angel
 Kentucky Bluegrass, Blue

Sapphire
 Kentucky Bluegrass, Granite
 Kentucky Bluegrass, Oasis
 Athletic Field Mix**
 NCO Dense Shade Mix**
 NCO Early Green Mix**
 NCO Ecoblend w/Clover**
 NCO Ecoblend No Clover**
 NCO Green Walk**
 NCO Grub-R w/Clover**
 NCO Grub-R No Clover**
 NCO LO-MOW**
 NCO Super Blue**
 Ryegrass, Ajax Italian Rye (Organic)
 Ryegrass, Annual
 Ryegrass, Applaud II Perennial
 Ryegrass, Fiesta 4 Perennial
 Ryegrass, Futura Perennial
 Ryegrass, Winter
 Ryegrass, WinterTall

Fescue, Bladerunner
 Tall Fescue, Crossfire
 Tall Fescue, Titanium

Cover Crop Seed

(50 Pound bags)
 Alfalfa, (Organic)
 Alfalfa (8920MF)
 Alfalfa (Vernal)
 Barley, Lacey (6 Row)
 Barley, Rasmusson Spring (Organic)
 Barley, McGregor Winter
 Barley, Winter (Organic)
 Buckwheat
 Buckwheat (Organic)
 Clover, Alsike (Organic)
 Clover, Alsike
 Clover, Altaswede Red
 Clover, Arlington Red

Clover, Dutch White
 Clover, White
 Clover, Ladino White
 Clover, Medium Red
 Clover, Medium Red (Organic)
 Clover, Yellow Blossom Sweet
 Hairy Vetch
 Hairy Vetch (Organic)
 Milk Vetch (Organic)
 Oats, Cayuse
 Oats, Leonard (Organic)
 Oats, Cover Crop (Organic)
 Ryegrass, Winter (Organic)
 Wheat, Red Spring
 Wheat, White Spring
 Wheat, Spring (Organic)
 Wheat, Glenn Red Spring (Organic)
 Wheat, White Winter (Organic)

Natural Pest Controls

BurnOut II Weed & Grass Killer Concentrate (OMRI Listed)

A fast acting non-selective weed killer. Foliar contact results in rapid dessication of cell tissue and reduction of top growth in herbaceous perennial weeds & grasses.

BURN1 One Gallon
BURN2.5 2.5 Gallon

CONSERVE® SC

Spinosad, the active ingredient in Conserve, is derived from the fermentation of a natural organism, combining the efficacy of synthetic insecticides with the benefits of biological insect pest control products.

CONSI One Gallon

Hot Pepper Wax Repellent

Made from Cayenne peppers, this product will repel insects from all plants for up to 30 days.

HOT1 One Gallon
HOT5 Five Gallon



Garlic Barrier (OMRI Listed)

An all-purpose insect repellent for use on indoor and outdoor plants: Ornamentals, flowers, shrubs, vegetables and fruit trees. Great for repelling fleas, ticks and mosquitos. Odorless moments after application and leaves no taste. One gallon covers 15,000 f²

GARL1 One Gallon

Ahimsa Neem Oil (OMRI Listed)

Rich in Liminoids and cold pressed from seeds of the Neem tree/ this oil is perfect for use as an agricultural

spray. It has a strong garlic/nutty aroma - unpleasant to pests.

NEEM1 One Gallon
NEEM55 55 Gallon Drum

Grub Guard TM (OMRI Listed)

A combination of two strains of nematodes that parasitize many different grub species. in their larval stage. Each strain has different methods of hunting their prey and also inhabit different levels of the soil. Applied as a soil drench with your sprayer.

GGRD1
1 million covers 2,000 ft²,
GGRD6
6 million covers ¼ acre
GGRD24
24 million covers one acre
GGRD240
240 million covers 10 acres

Pyganic (OMRI Listed)

Provides rapid knockdown and kill of insects which

reduce the value of your organic production. May be applied on day of harvest. Contain pyrethrum, a botanical insecticide derived from chrysanthemums.

PYG32 One Quart Jug



Surround WP (OMRI Listed)

Made from Kaolin Clay, forms a barrier film acting as a broad spectrum crop protectant from insect and disease pests. Protectant against sunburn.

SURR25 25 Pound Bag

Services & Soil Testing

Compost Tea/Extracts

Compostwerks makes concentrated, high quality compost tea and liquid compost extracts right at our Hawthorne NY location for pickup by our customers. We deliver to the Westchester, Fairfield, Bergen county areas and New York City for an additional fee. Delivery beyond those areas is possible.

We use our very own independently tested compost and food resources to make compost tea and extracts. Beneficial fungi, bacteria and protozoa are represented in high numbers time after time. Our compost tea and extracts are made in commercial grade Geo-Tea machines. We are able to customize your liquid amendment based upon your specifications.

Our liquids are delivered in clean aerated tanks so that the beneficial biology is active and ready to work. Since it takes time to create compost tea and extracts, prior arrangements must be made. Please contact us for details.

Organic Applications

We perform applications of compost tea and extracts, organic fertilizers, various soil amendments, inoculants and pest deterrents as well as compost top dressing on a subcontracting basis. We're happy to provide quotes on residential, commercial and municipal projects. Our

preference is to work directly with other professionals in the industry. Most of our work is in the northeastern United States. Please contact us for details and scheduling.

Soil Biology Testing

We offer a 5% discount off of all Soil Foodweb testing and services through the Earth Fortification laboratory. Earth Fortification has done a great job with giving our work a higher priority with a faster turnaround which has been averaging approximately 14 days. Compostwerks is able to offer this discount due to the high volume of testing done with the Oregon lab as well as our certified advisor status. We are happy to interpret the results of your testing



Peter & Gregg spraying compost tea at St John's University

More New Products!

Introducing **Compost Sak**, an affordable, porous fabric container that makes small scale composting easy, neat and efficient. No turning is required because oxygen surrounds the entire system. Constructed of a rugged geo-textile, Compost Sak will last for many years of continuous use. It holds an impressive 100 gallons of compostable materials or 15 cubic feet. When not in use, the Compost Sak folds up neatly and takes little room to store.

Compare with unsightly barrel composting systems which require frequent turning and maintenance. Many of our landscape contractor clients in urban areas have



placed the Compost Sak at their job sites which reduces trucking and labor costs. Comes in cases of 12 units, free shipping on 2 cases.

SAK1 One Compost Sak
SAK12 Case of 12 Compost Saks



Milk Crate Pots

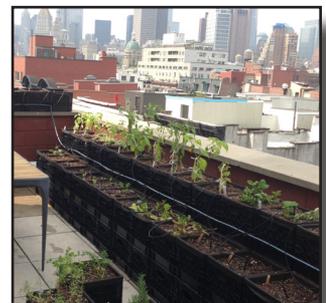
Having all the characteristics of Smart Pots and the Compost Sak, our milk crate pots are perfectly suited for the growth of all plants. There are many advantages to using milk crate pots such as air root pruning, great drainage, and excessive heat release. Milk crate sacks are constructed from a durable textile which will last for many years of continuous use.

These valuable tools come in two sizes: 12"x12" and 12" x 18".

MILK1 12" x 12" Size
MILK2 12" x 18" Size

"These milk crate liners offer the resourceful gardener easy installation and versatility, while being nearly indestructible. They're worth every penny."

Zach Pickens, Founder,
Rooftop Ready
and Rooftop Ready Seeds



Compostwerks Education & Consulting

The staff at Compostwerks has a combined 60 years of experience in the composting, horticultural and agricultural fields. We are available on a consulting basis to work with you in the following areas:

Compost Production

- Moisture, odor and leachate management
- Feedstock blending and management
- Compost production equipment
- Aerated static pile management
- Thermal windrow composting

ISA Certified Arborist

- Tree inventories
- Tree risk assessments
- Tree management programs
- Bid specifications
- Soil remediation recommendations
- Expert witness in legal cases

Agricultural Consulting

- Field Management and hay Production
- Soil remediation and amendments
- Planting and harvesting logistics
- Weed management
- Rotation and cover crops
- Crop and cultivar selection
- Equipment

Compost Tea/Extracts

- Equipment troubleshooting and design
- Equipment procurement and fabrication
- Training for production and application
- Sales training and marketing support
- Complete training for startup operations

Teaching, Workshops and Lectures

Our presentations and workshops can be geared towards industry professionals as well as entry level individuals. We commonly work with universities, institutions, municipalities and non-profits. Please contact us for curriculum details, scheduling and fee schedules.