

Bio-Mass Renewable Technologies Inc.



BRT BioRootBuilder IF

Guaranteed Analysis

Total Nitrogen (N)	0.00%
Available Phosphoric Acid (P ₂ O ₅).....	0.00%
Soluble Potash (K ₂ O).....	0.00%

Derived From:

Ascomyllum nodosum seaweed, kelp, reverse osmosis water, carbohydrates, fractured natural polyhydroxy acids, amino acids, specialized indigenous soil microbes, bio-organic catalysts, phosphoric acid, acetic acid, over-producing Cytokinin Bacteria, Trichoderma, Azospirillum, Mycorrhizae, Vitamin B-12, and Carrisyn.

General information

To get crops off to a fast start use the **BRT Bio-RootBuilder IF** starter program. It will give you a predictable increase of root hair production. It's simple, fast, inexpensive and effective. **BRT BioRoot-Builder IF** hydrates new seedlings, provides key nutrients known to increase root activity, and contains plant hormones proven to stimulate root development. This formula blends well into most grades of starter fertilizers. We have found that using a 100% orthophosphate fertilizer seems to be the most synergistic to yield response. **BRT BioRootBuilder IF** is a complete package. It provides all the building blocks your crop will need, in a natural, safe and easy-to-mix formula. It is a high-powered, nourishing, organic-based bacterial package that builds healthy crops by promoting root development. This increased root mass then aids in photosynthesis. The benefits of using the **BRT BioRootBuilder IF** in a starter program is that the seedlings start faster, grow healthier, build rootmass, resist stress, and eventually yield more! **BRT BioRootBuilder IF** can help protect roots damaged by environmental

stress, with a special combination of organic carbons and natural soil inoculants that promotes healing and new root development.

DIRECTIONS FOR USE:

For best results place directly below the seed row 1-2".

Corn: Use 26 oz/acre blended with 4-5 gallons/acre of a 100% Ortho-based fertilizer like BRT 8-19-3.

Cotton, Soybeans: Use 26 oz/acre blended with 3-5 gal of water per acre or with 1-3 gallons of 100% Ortho-based fertilizer. RO water can be added to complete a 5-7gal/acre mix.

Vegetables: 32 oz/acre with 2-5gal starter fertilizer and water at 10-15 gal/acre for a 15-20gal/acre mix. Spray or dribble on the furrow at planting.

Bramble Fruits, Fruit and Nut Trees: Apply 48 oz/acre in 15 gal of water per acre. (Apply at time of planting for best results).

Mixing instructions

BRT BioRootBuilder IF mixes completely in water and most starters with minimal agitation.

1. Fill tank ½ full of water or starter and begin agitation.
2. Add **BRT BioRootBuilder IF** to mixing tank.
3. Add other nutrients (be sure to check compatibility prior to blending).

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BRT BIO- RootBuilder ST

Guaranteed Analysis

Total Nitrogen (N)0.00%
Available Phosphoric Acid (P_2O_5) 0.00% Soluble
Potash (K_2O)..... 0.00%

Derived From:

Ascophyllum nodosum seaweed, kelp, reverse osmosis water, carbohydrates, Mycorrhizae, fractured natural polyhydroxy acids, amino acid, indigenous soil microbes, bio-organic catalysts, phosphoric acid and acetic acid.

General Information:

BRT BIO-RootBuilder ST is produced by combining natural occurring bacteria (predominantly aerobic, with limited species of anaerobic) and fungi, while adding organic carbons, kelp, and seaweed. **BRT BIO-RootBuilder ST** has a broad usage list including corn, soybeans, vegetables, fruit, nut trees and more. **BRT BIO-RootBuilder ST** is a stand-alone product as a seed-coating. It can also be applied as a nutrient foliar spray to increase beneficial micro-flora on leaf surface tissue. Its performance has been exceptional for plant health and yield response. **BRT BIO-RootBuilder ST** hydrates new seedlings, provides key nutrients known to increase rootlet activity, supplies bacterium that maintain root health, and includes a plant hormone known to stimulate root development.

DIRECTIONS FOR SEED TREATMENT USE:

CORN, VEGETABLES: 3-5 ounces per 100 WT seed; treated prior to planting.

RICE, SMALL GRAINS: 4-5 ounces per 100 WT seed; sprayed on seed prior to planting.

SOYBEANS, ALFALFA, AND CLOVER: Use 3-5 ounces per 100 WT seed; treated up to 3 month prior to planting.

DIRECTIONS FOR FOLIAR USE:

For best results mix 5-8oz/acre with water. Use the highest volume of water, as much as 20-30 gals of water/ acre to ensure complete coverage. Maintain a small droplet size. Can be blended with **V5 Foliar Micros**, **BRT R1 Seed Set**, or **Foliar PGR +**. Multiple applications may be used to increase the micro-flora on the leaf tissue; but do not apply more than 3 times per growing season.

DIRECTIONS FOR ROOT DIP USE:

Mix 1 part **BRT BIO-RootBuilder ST** with 9 parts water. Soak the root mass of your bare root plants for ½ to 4 hours prior to planting.

Bio-Mass Renewable Technologies Inc.



BRT Hume

Derived From:

Humic acid, Fulvic acid, carbohydrates, and natural fractured polyhydroxy acids, Trichoderma, Azotobacter, and Mycorrhizae.

General Information:

BRT Hume is a soil biology activator, meaning it is made up of soil micro-organisms. **BRT Hume** establishes a growth medium for beneficial soil microbiology. This allows the microbes to explosively repopulate in their soil environment. Their rate of growth and metabolism increases. This will aid the crop in resisting soil pathogens and also reduces crop stress due to environmental changes. As the microbial population increases, fertilizer and nutrients are more readily available to the roots in a plant usable form. **BRT Hume** can be mixed with most fertilizers and soil amendments. **BRT Hume** is a dark brown liquid.

PRECAUTIONARY STATEMENTS: KEEP OUT OF REACH OF CHILDREN. CAUTION – MAY CAUSE IRRITATION. Harmful if swallowed. Avoid breathing spray mist. May cause irritation of eyes, nose, throat or skin. Avoid contact with eyes, skin or clothing. In case of contact with eyes, flush with clean water for at least 15 minutes. Consult a physician if irritation persists.

CONDITIONS OF SALE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to seller and buyer assumes the risk of any such use. Seller shall not be responsible for incidental or consequential damages, if any resulting from a breach of warranty.

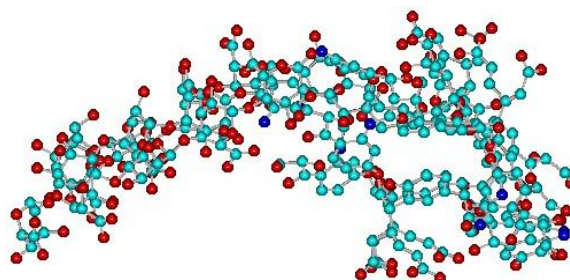
DIRECTIONS FOR SOIL APPLICATION RATES:

Corn, Cotton, Soybeans, and most Field Crops:

Apply 2-4 qts/acre **BRT Hume** in 20 gallons of water.

BRT Hume can be mixed with most fertilizers. It works well with sidedress liquid nitrogen since it has shown to help stabilize nitrogen. Do not apply more than twice per growing season.

HUMIC ACID MODEL



Bio-Mass Renewable Technologies Inc.



BRT SW37

Derived From:

Humic acid, Fulvic acid, carbohydrates, and natural fractured polyhydroxy acids, and Ascolphyllum nodosum Seaweed.

BRT SW37 is a premium biologically-based fertilizer additive. It is most effective when soil-applied, but can be applied as a foliar. **BRT SW37** contains Ascolphyllum nodosum seaweed which stimulates the soil microbes by acting as a food source. It also is effective as a foliar, providing natural plant growth hormones and essential enzymes derived from the seaweed.

PRECAUTIONARY STATEMENTS:

KEEP OUT OF REACH OF CHILDREN.

CAUTION – MAY CAUSE IRRITATION.

Harmful if swallowed. Avoid breathing spray mist. May cause irritation of eyes, nose, throat or skin. Avoid contact with eyes, skin or clothing. In case of contact with eyes, flush with clean water for at least 15 minutes. Consult a physician if irritation persists.

CONDITIONS OF SALE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to seller and buyer assumes the risk of any such use. Seller shall not be responsible for incidental or consequential damages, if any resulting from a breach of warranty.

DIRECTIONS FOR USE:

BRT SW37 can be used on both corn and soybeans at the same rate.

Soil – Use 1-2 quarts/acre in 15-20 gallons of water. Can be mixed with most fertilizers.

Foliar -Use 1-2 pints/acre in 15 gallons of water. Apply before flowering and again at fruit set.

Bio-Mass Renewable Technologies Inc.



Legume Booster

Guaranteed Analysis

Total Nitrogen (N).....	4.00%
Available Phosphoric Acid (PO ₅).....	12.00%
Soluble Potash (K ₂ O).....	3.00%
Calcium (Ca).....	3.00%

Derived From:

Calcium Nitrate, Phosphoric Acid, Mono-potassium Phosphate, Bio-Lith, Humic Acid, Fulvic Acid and Natural Plant Hormones.

General Information

The development of **Legume Booster** is very unique to our industry. The combination of calcium and phosphorus has increased hay crop yields with increases up to 1,150 lbs. per acre per cutting. **Legume Booster** also has increased quality, aiding in tighter ADF and NDF, while directly increasing Calcium. The final response is a healthier, more nutrient-dense crop, with a higher **Brix** reading, and a quicker recovery after each cutting.

Mixing Instructions

Legume Booster mixes completely in water with minimal agitation.

1. Fill tank ½ full of water and begin agitation.
2. Add **Legume Booster** to mix tank.
3. Add other pesticides/nutrients (be sure to check compatibility prior to mixing).

Attention: Always check compatibility with other products prior to use.

Foliar application rates:

Vegetable, Field Crops, Small Fruits, Fruit and Nut Trees:

Apply 1-3 quarts of **Legume Booster** in at least 5 gals of water/acre. Multiple applications may be useful. On individual trees use 4-6oz/gallon and wet down completely. Start at pre-bloom - follow up every 10-14 days; applying up to 3 times per growing season. Do not apply when the crop is under severe stress. For best results, use **Contact** (non-ionic spreader/sticker) to enhance coverage, and increase nutrient-uptake. Ensure complete coverage with smallest droplet size.

Alfalfa, clover and grass hay: Use 2.5 quarts of **Legume Booster** per acre in a 15-20 gal/acre mix with water per acre. Apply after each cutting.

Soil Application Rates:

Corn, Cotton, Melons: Inject ½" - 2" directly below and/or to the side of the seed furrow. Use 3-10 gal./acre. Dilute **Legume Booster** with water for better coverage.

Vegetables: For sprinkler-irrigated fields, spray or dribble 2 x 2 from the seed at planting. For furrow-irrigated fields, inject directly below the seed row 1-2". Use 2-5 gals/acre. Dilute **Legume Booster** with water for better coverage.

Drip Irrigation (All Crops):

Use 3-10 gallons of **Legume Booster** mixed with water before injecting into irrigation lines. Continue irrigation for at least 2 hours to ensure adequate fertilizer coverage.

Bio-Mass Renewable Technologies Inc.



BRT Foliar Bio-N

TECHNICAL DATA INFORMATION

PLANT NUTRIENT CONTENT	% by Wt.
Total Nitrogen (N)	0.0
Available Phosphoric Acid (P_2O_5)	0.0
Soluble Potash (K_2O)	0.0
Boron (B)	0.3
Copper (Cu)	0.25
Cobalt (Co)	0.0005
Iron (Fe)	1.0
Manganese (Mn)	3.0
Molybdenum (Mo)	0.0005
Zinc (Zn)	3.0

Derived from:

Azotobacter, Borax, Copper sulfate, Cobalt, Iron sulfate, Manganese sulfate, Molybdenum, Zinc sulfate, organic carbons, and Bio-Lith.

KEEP OUT OF REACH OF CHILDREN

CAUTION - MAY CAUSE IRRITATION

PRECAUTIONARY STATEMENTS: Avoid prolonged or repeated contact with eyes, skin and clothing. Chemical goggles or a full-face shield should be worn. To protect skin, wear appropriate protective equipment, such as rubber or plastic aprons, rubber gloves and boots. Avoid breathing mist or vapor. Keep containers closed. Wash thoroughly after handling. May cause gastrointestinal distress, if swallowed.

HANDLING AND STORAGE: Minimize skin exposure. Store mini-bulks and smaller containers out of sun in an area of moderate temperature. Do not re-use containers. Avoid containers, piping or fittings made of copper-containing alloys or galvanized metal. Dispose of containers in accordance with local regulations and requirements.

FIRST AID: In case of contact with eyes, immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention if irritation occurs. In case of skin contact, flush skin with water. If irritation occurs, seek immediate medical attention. Remove and wash contaminated clothing before reuse. If swallowed, give large amounts of water and induce vomiting by touching the back of the throat with finger unless unconscious. Seek immediate medical attention.

IN CASE OF SPILL: Contain spill and maximize recovery. Keep spill out of water sources. Exercise caution in area of spill for slippery conditions. Dispose of spilled material in accordance with regulatory requirements.

PHYTOTOXICITY: Plant and leaf injury may occur on some crops when certain weather and growing conditions are present. Before handling this product, consult the Material Safety Data Sheet for handling, safety and first aid information. Follow directions carefully, including precautions for safe handling.

CONDITIONS OF SALE: This product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with directions under normal use conditions. Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks given herewith. In no case shall the seller be liable for consequential, special or indirect damages such as loss of profits or values resulting from the use or handling of this product.

BRT Foliar Bio-N

This formula contains trace elements, organic carbons, Glucoheptonate and Azotobacter. It gives the grower a multi-blend of trace elements along with an organic, biologically-produced Nitrogen which is fed directly into the plant tissue. While correcting micro-nutrient deficiencies it is capturing and feeding the crop the nitrogen that floats freely in the atmosphere. **BRT Foliar Bio-N** should not be tank-mixed with any chemical or biological bactericide. It should be mixed into the tank before any herbicides are added.

DIRECTIONS FOR USE IN CORN:

Foliar Application: 8oz/acre mixed with water for a 10gal/acre mix at V3-V5 and a 2nd application 30 days later.

Aerial Application: 8oz/acre mixed with water for a 3gal/acre mix at V3-V5 and a 2nd application 30 days later.

No more than three applications per growing season are recommended.

Mix with sufficient **non-chlorinated water** for adequate coverage.

BRT Foliar Bio-N is not compatible with phosphate fertilizers and should be mixed and applied separately.