

## Rot-This-Way™

COMPOST ACCELERANT



Rot-This-Way safely accelerates the decomposition of litter and manure in poultry, equine, hog, and cattle operations. This natural product reduces composting time by ½ from barn to land. It reduces unsightly mounds of residue as well as aiding in the elimination of odors. This product utilizes carefully selected natural microbiology to bring great results without antibiotics or chemicals. Available in 2.5 gallon. Contact your Monty's representative for more information.

## Litterade™

POULTRY LITTER TREATMENT



Litter, full of ammonia and salt, comes with poultry production. Not only does it affect bird health in the house, but disposing of spent litter is an issue. **Litterade** is a natural, affordable litter treatment that addresses both health and disposal issues.

- Litterade reduces ammonia volatilization and salt buildup in the poultry house creating healthier living conditions for your birds
- Whether you spread it or sell it, Litterade makes your litter much more desirable and profitable because it contains additional plant-available nitrogen and has less odor.

Available in 2.5 gallon. Contact your Monty's representative for more information.



SUCCESS YOU CAN SEE



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## NanoBind™

SOIL MICROBES AND ENZYMES



Nanobind is a microbial package with the science of nanotechnology. It is a specialty product designed to lower salt build-up.

- Proprietary 1,000,000 + CFU beneficial microbial package
- Remediate troubled fields
- Advanced nanotechnology

### ACTIVE INGREDIENTS

Lactobacillus culture . . . . . 1,000,000-cfu/ml  
Saccharomyces Boulardii culture. . . . . 3,000,000-cfu/ml

### GENERAL APPLICATION

Applied at various rates for different purposes; typically 2 quarts per acre at pre-plant or for residue mgmt. For crop specific application information, contact your representative. Available in 2.5, 30 and 275 gallon – and bulk sizes.

## Sludge Relief™

DIGESTION AID



Sludge Relief contains beneficial, natural bacterial strains which produce key enzymes to target and consume organic waste.

- Consumes sludge and breaks down solids
- Effective between 38° - 145°
- Works in a pH range of 5.0 - 9.0
- Reduces the need for pumping / controls odors
- Helps reduce BOD (Biochemical Oxygen Demand) levels
- 1 trillion cfu formula

### GENERAL APPLICATION

10 gallons of Sludge Relief and 10 gallons of Monty's Liquid Carbon per 1,000,000 cubic feet as an initial treatment. After initial treatment, calculations will be required to determine a maintenance application of both products. Please refer to the Sludge Relief label or consult your representative. Available in 5 gallon bucket.

## Thrasher™

ROOT INOCULANT



Thrasher contains a high concentration of Trichoderma, fungi that are present in all soils. It utilizes Trichoderma's ability to improve nutrient availability to the plant and increase root development. It is beneficial fungi for higher yields!

- Ideal inoculant for all crops including corn, soybeans, and wheat
- Improves nutrient availability to plants
- Improves overall soil quality
- Improves conditions for root and plant growth
- Increases fertilizer and water-use efficiency
- Improves resistance to weather stresses including drought

### ACTIVE INGREDIENTS

Trichoderma harzianum	4 x10 <sup>7</sup> CFU/ml
Trichoderma virens	2 x10 <sup>7</sup> CFU/ml
Trichoderma atroviride	2 x10 <sup>7</sup> CFU/ml

### GENERAL APPLICATION

Apply 1 ounce per acre in furrow. Please contact your representative for more information. Available in 1 gallon.

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"I tried **Humi-Till** for the first time last fall on my corn stubble. This spring I saw the benefits they were talking about. My planter had no clogging issues. Humi-Till has made me a believer and I will definitely use it again this fall." GIL TUCKER, FARMER

"The competition has only 3-4 bacteria. **Bio-Strain** has 9 different forms of bacteria – giving it lots of diversity under many different growing conditions. It gives us so much... we are using it as a foliar on alfalfa and soybeans, and in-furrow and foliar on corn -- it makes everything look better! Bio-Strain is a home run... it's my all-star pick!" CHRIS WEAVER, DEALER

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# BIOLOGICALS

MICROBIOLOGY FOR TODAY'S FARMER



# From tiny packages come big results! Microbiology is the key!

Monty's offers a variety of biological packages designed to produce key enzymes; promote early root development and plant stamina; and help to improve the overall health of the crop throughout the growing season.

## Humi-Till<sup>®</sup> FOR RESIDUE MANAGEMENT



Humi-Till is a unique blend of specific microbes and activated humics designed to decompose cellulose, lignin, and keratin in crop residue. Humi-Till breaks down crop residue – significantly reducing your planting problems and making the nutrients in crop residue available.

- Minimize planting issues due to crop residue
- Unlocks nutrients in crop residue
- Works to decompose cellulose, lignin, and keratin in crop residue
- Can be applied pre-plant or post-harvest, and with fall herbicide
- Works great on all types of residue including corn, wheat, soybeans, cotton, peanuts and canola.

### ACTIVE INGREDIENTS

Bacillus amyloliquefaciens . . . . . 2.2 x 10<sup>8</sup> CFU/ml  
 Bacillus subtilis . . . . . 4.4 x 10<sup>8</sup> CFU/ml  
 Humic acid (derived from brown coal) . . . . . 1%

### GENERAL APPLICATION

Mix 3-4 quarts of Humi-Till in a minimum of 10 gallons of water per acre. Application rates and the number of applications necessary will vary with soil conditions and the amount of crop residue. Once diluted, product must be used within 24 hours. If soil temperature is below 45°F, performance is significantly reduced. For faster results, apply with 1 to 3 gallons of liquid nitrogen per acre. Available in 2.5, 30 and 275 gallon – and bulk sizes.

**NOTE: Keep all microbes out of the sun and use quickly once opened. Store in a cool, dry place out of direct sunlight. See specific product label instructions regarding application and storage.**

## Humi-Till Activator<sup>®</sup> FOR RESIDUE MANAGEMENT



Humi-Till Activator is a unique blend of specific microbes conveniently packaged and designed to be mixed with Monty's Liquid Carbon to decompose cellulose, lignin, and keratin in crop residue. By breaking down crop residue, Humi-Till Activator significantly reduces your planting problems and makes the nutrients in crop residue available.

- Minimize planting issues due to crop residue
- Unlocks nutrients in crop residue
- Works to decompose cellulose, lignin, and keratin in crop residue
- Can be applied pre-plant or post-harvest, and with fall herbicide
- Works great on all types of residue including corn, wheat, soybeans, cotton, and canola.

### ACTIVE INGREDIENTS

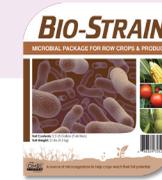
Bacillus amyloliquefaciens . . . . . 2.2 x 10<sup>8</sup> CFU/ml  
 Bacillus pumilis . . . . . 2.2 x 10<sup>8</sup> CFU/ml  
 Bacillus megaterium . . . . . 2.2 x 10<sup>8</sup> CFU/ml  
 Bacillus subtilis . . . . . 2.2 x 10<sup>8</sup> CFU/ml  
 Bacillus licheniformis . . . . . 4.4 x 10<sup>8</sup> CFU/ml

### GENERAL APPLICATION

Add entire packet to 275 gallons of Monty's Liquid Carbon or Liquid Humic and agitate until well mixed. Apply at the rate of 2 quarts per acre mixed in a minimum 15 gallons of water. Application rates and the number of applications necessary varies with soil conditions and the amount of crop residue. For faster results, apply with 1-3 gallons of liquid nitrogen per acre. If soil temperature is below 45°F, performance is significantly reduced.



## Bio-Strain<sup>®</sup> MICROBIAL PACKAGE FOR ROW CROPS



Bio-Strain is a unique package of microbial strains designed to promote early root development, plant stamina, and the overall health of the crop throughout the growing season.

- Can be used across a wide-range of agricultural settings
- Brings atmospheric nitrogen to the root area where it can become available to the plant
- Can solubilize insoluble forms of phosphorus making it available to the plant
- Enhance rhizosphere activity for better root development
- Synergizes the interactions between beneficial bacteria and fungi to do their best work
- A formulation of billions of microbes ready to help your crops reach their full potential

### ACTIVE INGREDIENTS

Azospirillum brasilense	1x10 <sup>8</sup> CFU/ ml
Bacillus altitudinis	1x10 <sup>8</sup> CFU/ ml
Bacillus amyloliquefaciens	1x10 <sup>8</sup> CFU/ ml
Bacillus licheniformis	1x10 <sup>8</sup> CFU/ ml
Cellulomonas cellasea	1x10 <sup>8</sup> CFU/ ml
Pseudomonas fluorescens	1x10 <sup>8</sup> CFU/ ml
Pseudomonas putida	1x10 <sup>8</sup> CFU/ ml
Pseudomonas stutzeri	1x10 <sup>8</sup> CFU/ ml
Streptomyces albidoflavus	1x10 <sup>8</sup> CFU/ ml

### GENERAL APPLICATION

For best results, apply in-furrow with seed at a rate of 16-32 oz. per acre. Tank-mix flexible with most agricultural products, and can be foliar applied with chemicals and/or fertilizers. Bio-Strain can also be used as a pre-plant incorporated or pre-emergence soil spray at the rate of 32 oz. per acre. Foliar application rates are recommended at 16-32 oz. per acre (10-20 gallons of water). Can be applied through irrigation systems. Available in 2.5, 30 and 275 gallon – and bulk sizes.



## Multiplicity<sup>™</sup> A DRY SOURCE OF MICROORGANISMS TO HELP CROPS REACH THEIR FULL POTENTIAL



Multiplicity is a dry package of microbial strains designed to promote early root development, plant stamina, and the overall health of the crop throughout the growing season.

- Can be used across a wide-range of agricultural settings
- Brings atmospheric nitrogen to the root area where it can become available to the plant
- Can solubilize insoluble forms of phosphorus making it available to the plant
- Enhance rhizosphere activity for better root development
- Synergizes the interactions between beneficial bacteria and fungi to do their best work
- A formulation of billions of microbes ready to help your crops reach their full potential

### ACTIVE INGREDIENTS

Azospirillum brasilense	1x10 <sup>8</sup> CFU/ ml
Bacillus altitudinis	1x10 <sup>8</sup> CFU/ ml
Bacillus amyloliquefaciens	1x10 <sup>8</sup> CFU/ ml
Bacillus licheniformis	1x10 <sup>8</sup> CFU/ ml
Cellulomonas cellasea	1x10 <sup>8</sup> CFU/ ml
Pseudomonas fluorescens	1x10 <sup>8</sup> CFU/ ml
Pseudomonas putida	1x10 <sup>8</sup> CFU/ ml
Pseudomonas stutzeri	1x10 <sup>8</sup> CFU/ ml
Streptomyces albidoflavus	1x10 <sup>8</sup> CFU/ ml

### GENERAL APPLICATION

This packet will treat 40-acres. If applying to less than 40 acres, apply at a rate of 0.35 ounces dry measure per acre. Dilute the appropriate amount of Multiplicity in water. After mixing, add to your tank. Multiplicity can be applied as a pre-plant, pre-emergence soil spray, in furrow, or 2x2. For more information, contact your Monty's representative.