

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.

Supercharge Your Biologicals!

Looking to supercharge your biologicals? Get the most out of your biologicals by adding Monty's Liquid Carbon and 61% Agri-Sweet to your program.

Adding Monty's Liquid Carbon (MLC) and Agri-Sweet can provide additional benefits to the biological components of any microbial package. The combination of both products provides a supercharged synergy, creating an environment (MLC) and energy source (Agri-Sweet) for the microbes to multiply and flourish in. The combination works in many ways to provide additional growth and nourishment to any crop throughout the growing season – from early root system development to harvest.



Growers trust Monty's biologicals!

"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*

"I use traditional fertilizers and I found that I could put more down but I wasn't getting higher yields, so I started looking at alternatives. I looked at different ideas and I use all liquids, so Monty's products made sense. I apply Nanobind in the spring when applying my starter formula, which includes [Seed Starter/Foliar] and Agri-Sweet. I started out buying 2.5 gallons of products and now I only buy totes. Since using Monty's, I have seen better quality. The weights went up and the protein of the wheat has gone up as well!" *Duane Tempas, Farmer*

"Monty's Liquid Carbon and Sludge Relief eliminated a lot of the problems we were having as far as the crusting issues, the breakdown of the manure and even the foaming that was happening. We were spending up to 10 hours with several people trying to break up the crust, every time we emptied the million gallon slurry tank. We don't have to deal with that anymore. We live in a heavily populated area. The odor management is another reason we use it. The product reduced the odor right off the bat. We had no complaints from neighbors, so we are more than happy with that!" *Mike Heimbach, Farmer*



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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® CROP 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 10⁷ CFU/ml
 Bacillus subtilis 4.4 x 10⁷ 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. For more information, contact your Monty's representative.

Humi-Till® Activator FOR RESIDUE MANAGEMENT



Humi-Till Activator provides all the benefits of Humi-Till liquid but comes in a convenient dry form. Humi-Till Activator works best when blended with Monty's Liquid Carbon or Monty's Liquid Humic to accelerate residue breakdown. It can also be blended with inorganic and organic fertilizers, soil amendments and/or impregnated onto dry fertilizer.

- 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 amyloliquefaciens2.2 x 10⁷ CFU/ml
 Bacillus pumilis2.2 x 10⁷ CFU/ml
 Bacillus megaterium.....2.2 x 10⁷ CFU/ml
 Bacillus subtilis.....2.2 x 10⁷ CFU/ml
 Bacillus licheniformis4.4 x 10⁷ 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.



Multiplicity™

A DRY SOURCE OF MICROORGANISMS
 DESIGNED TO HELP CROPS REACH
 THEIR FULL POTENTIAL



Multiplicity is a package of dry 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
- Enhances 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 1x10⁷ CFU/ ml
 Bacillus altitudinis 1x10⁶ CFU/ ml
 Bacillus amyloliquefaciens 1x10⁷ CFU/ ml
 Bacillus licheniformis 1x10⁷ CFU/ ml
 Cellulomonas cellasea 1x10⁷ CFU/ ml
 Pseudomonas fluorescens 1x10⁷ CFU/ ml
 Pseudomonas putida 1x10⁶ CFU/ ml
 Pseudomonas stutzeri 1x10⁶ CFU/ ml
 Streptomyces albidoflavus 1x10⁶ CFU/ ml

GENERAL APPLICATION

One 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.