

## The Key to Higher Yields and Greater ROI? Start with Healthy Soil!

### The impact of humics on the soil...

#### INCREASED **BIOLOGICAL** ACTIVITY

Living organisms in the soil

- Serves as a food source for microbes
- Converts and releases nutrients
- Builds organic matter and humus
- Better seed germination
- Early root development
- Healthier soils

#### INCREASED **GEOLOGICAL** ACTIVITY

Soil structure (sand, silt, clay)

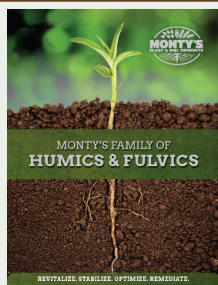
- Mineralizes soil particles
- Increases water holding capacity
- Reduces compaction
- Easier tillage performance
- Reduces soil loss
- Stronger plants
- Improves soil porosity

#### INCREASED **CHEMICAL** ACTIVITY

Interaction of soil nutrients & micronutrient

- Unlocks tied-up nutrients
- Improves cation exchange capacity
- Converts raw fertilizer to plant food
- Increased fertilizer efficiency
- Higher yields

For a more detailed explanation of Monty's Activated Humic Technology, please refer to our Monty's Family of Humics & Fulvics Brochure, available in PDF format on our website, [montysplantfood.com](http://montysplantfood.com)



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## Surge™ XD

EXTREME DELIVERY OF NUTRIENTS



Surge XD is designed for use with liquid fertilizers to facilitate nutrient uptake through the plant tissues.

- Features Monty's proprietary humics and fulvics
- Designed to enhance nutrient uptake into the plant
- Works as a chelator for nutrients
- Foliar apply with liquid nutrients
- Foliar apply with herbicides, fungicides, and insecticides
- Tank-mix flexible

#### ACTIVE INGREDIENTS

Fulvic Acids. . . . .0.45%  
Humic Acids\* . . . . .1%  
*Derived from Brown Coal*

#### GENERAL APPLICATION

Foliar apply at a rate of 1-2 quarts per acre. Surge XD may be mixed with any grade of liquid fertilizer. Consult your local dealer for recommended rates for your particular region, soil type, fertilizer type and grade, and specific usage.

## Drivas

THE POWER OF TRUE FULVICS



Drivas is designed for use with liquid fertilizers to facilitate nutrient uptake through the plant tissues.

- Features Monty's proprietary fulvics
- Pure fulvics mean more nutrient driving power
- Designed to significantly enhance nutrient uptake into the plant
- Works as chelator of nutrients, thus increasing the nutrient's bioavailability
- Supports plant growth and flowering
- Amber color won't discolor your mixture
- Foliar apply with liquid nutrients, herbicides, fungicides, and insecticides
- Tank-mix flexible regardless of pH

#### ACTIVE INGREDIENTS

Fulvic Acids. . . . .0.7%  
*Derived from Lignite*

#### GENERAL APPLICATION

Foliar apply at a rate of 1-2 quarts per acre. Drivas may be mixed with any grade of liquid fertilizer. Consult your local dealer for recommended rates for your particular region, soil type, fertilizer type and grade, and specific usage.

## Humihance™

MONTY'S INNOVATIVE FERTILIZER COATING



Humihance is a humic-based fertilizer coating that will quickly and efficiently provide nutrient management benefits without inhibiting the activity of the soil's natural bacteria. Humihance also provides all the natural benefits of Monty's proprietary, activated humic technology to the plant and soil. It is ideal for use when blending all granular fertilizers, and is compatible with a variety of micronutrients and pre-treated fertilizers.

- Can decrease nutrient loss, while increasing nutrient efficiency/availability
- Does not inhibit the activity of the soil's natural bacteria
- Can help reduce fertilizer salt toxicity
- Can improve overall soil health with every granule
- Can improve nutrient uptake
- Is non-corrosive

#### ACTIVE INGREDIENTS

Total Nitrogen (N) . . . . .1%  
Non-plant food ingredients  
Humic Acids . . . . .6%  
*Derived from Lignite*

#### GENERAL APPLICATION

During the last step of the blending process, apply 1/2 gallon of Humihance per ton on the fertilizer. This product may be applied to fertilizer pretreated with Avail®, NutriSphere-N®, or Agrotain®. For crop specific application information, contact your representative.

*Avail and NutriSphere-N are registered trademarks of Verdesian Life Sciences, LLC. AGROTAIN is a trademark of Koch Agronomic Services, LLC.*



Close up view of Humihance coating



## MONTY'S FAMILY OF HUMICS & FULVICS

REVITALIZE. STABILIZE.  
OPTIMIZE. REMEDIATE.



## Monty's Liquid Carbon™

PROPRIETARY HUMIC TECHNOLOGY



Monty's Liquid Carbon is a soil conditioner processed using Monty's patented, activated humic technology. It is designed to improve the health and vitality of your soil and plants while maximizing your yields. Monty's Liquid Carbon is easily applied during burn down, and is tank-mix flexible for year-round use. Monty's proprietary humics can:

- Improve overall soil health
- Reduce soil compaction
- Improve moisture management
- Enhance micronutrient uptake
- Enhance breakdown of plant residue

### ACTIVE INGREDIENTS

Soil Amending Ingredients:  
Humic Acids\* ..... 2%  
*Derived from Brown Coal*

### GENERAL APPLICATION

Apply at varying rates depending on purpose or desired result. For general soil conditioning, apply 2 quarts per acre directly to soil in fall and early spring. May also be applied at the same rate at pre-plant, planting, or for Residue Management. Apply 1 quart per acre when foliar applying with liquid nitrogen or other fertility products.

## Monty's Dri-Carbon™

LIQUID CARBON IN DRY FORMAT



Monty's Dri-Carbon offers the same benefits growers have relied on from Monty's Liquid Carbon, only in a granulated product.

- Enhanced micronutrient uptake
- Improved soil-moisture retention
- Catalyst for microbial activity
- Readily soluble with moisture

### ACTIVE INGREDIENTS

Humic Acids ..... 47%  
*Derived from Brown Coal*  
*Other Ingredients:*  
*Lignite Coal* ..... 53%

### GENERAL APPLICATION

Applied at 10 pounds per acre. Can be applied with dry fertilizer.

## Catalyzer™

MONTY'S CONCENTRATED HUMICS



Catalyzer is a concentrated soil conditioner containing Monty's patented, activated humic technology. It is designed to improve the health and vitality of your soil and plants. Catalyzer is easily applied during burn down, and is tank-mix flexible for year-round use. And because it is concentrated, it reduces application, storage, and transportation costs... increasing your ROI. Monty's proprietary humics can:

- Improves overall soil health
- Reduces soil compaction
- Improves moisture management
- Enhances micronutrient uptake
- Enhances breakdown of plant residue

### ACTIVE INGREDIENTS

Soil Amending Ingredients:  
Humic Acids\* ..... 4%  
Fulvic Acids\* ..... 0.7%  
*Derived from Lignite*

### GENERAL APPLICATION

Apply at varying rates depending on purpose or desired result. For general soil conditioning, apply 1 quart per acre directly to soil in fall and early spring. May also be applied at the same rate at pre-plant, planting, or for Residue Management. Apply 1 pint per acre when foliar applying with liquid nitrogen or other fertility products.



Left: Root mass with program utilizing Monty's humics. Right: Control



Monty's Activated Humic Technology. This proprietary, patented process optimizes pH, temperature, pressure, time, solids, and agitation, creating a chemical reaction, converting humics substance to their active state. This results in a more soluble and biologically active humic product... maximizing efficiency and ultimately maximizing yields.

## HumicPT™

HUMICS & MICROALGAE FOR AN IDEAL SOIL ENVIRONMENT



HumicPT combines the soil-building power of Monty's activated humics with a microalgae superfood for a powerful tool to rebuild soil health for crop resilience in challenging conditions.

- Reduces soil compaction
- Improves overall soil health
- Improves moisture management
- Enhances micronutrient uptake
- Enhances breakdown of plant residue
- Can be applied during burn down
- Feeds diverse range of beneficial microbes with inert microalgal superfood
- Increases microbial activity in all soil types
- Can be tank-mixed for year-round use

### ACTIVE INGREDIENTS

Organic Matter ..... 3.25%  
*Derived from Brown Coal & Algae*  
Humic Acids ..... 1.5%  
Hydrophobic Fulvic Acids ..... 1.0%  
*Derived from Brown Coal*  
Total Other Ingredient (Water) ..... 94.25%

### GENERAL APPLICATION

Apply at varying rates depending on purpose or desired result. For general soil conditioning, apply 1 gallon per acre mixed in a minimum 15 gallons of water directly to soil in fall and early spring. May also be applied at the same rate at pre-plant, planting, or for residue management. Always conduct soil tests to determine nutrient levels and make needed amendments to assure good fertility levels in your soil. HumicPT is a supplement to your fertilizer program.

\* Monty's products available in 2.5, 30, 275 gallon, and bulk sizes. Humihance available in 55, 275 gallon, and bulk sizes. Please check with your dealer for specific product information.



Products bearing the OMRI Listed® seal have been reviewed and determined to be allowed for organic use in accordance with one or more specific organic standards: the USDA National Organic Program regulations, the Canada Organic Regime standards, or the Mexico Organic Products Law organic guidelines.

## Humi-Till' Activator

FOR RESIDUE MANAGEMENT



Monty's Humi-Till Activator is a soil enhancing biological amendment which contains over 250 billion colony forming units per gallon. Humi-Till Activator can be 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.

- 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
- Minimize planting issues due to crop residue
- Works great on all types of residue including corn, wheat, soybeans, cotton, and canola

### ACTIVE INGREDIENTS

Bacillus Amyloliquefaciens ..... 2.2 x 10<sup>7</sup> CFU/ml  
Bacillus Pumilis ..... 2.2 x 10<sup>7</sup> CFU/ml  
Bacillus Megaterium ..... 2.2 x 10<sup>7</sup> CFU/ml  
Bacillus Subtilis ..... 2.2 x 10<sup>7</sup> CFU/ml  
Bacillus Licheniformis ..... 4.4 x 10<sup>7</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. Also available in liquid form.

\* Monty's uses only the HPTA Method for determining our humic and fulvic acids levels (ISO 19822). Other manufacturers may use less reliable methods. Ask your Monty's representative for more information.



Monty's is a proud member of the Humic Products Trade Association (HPTA) and guarantees our humic and fulvic acid levels in accordance with the HPTA method (ISO 19822). HPTA works to promote commercial trade of humic products through scientific cooperation while addressing regulatory issues.