

HUMI-TILL®

CROP RESIDUE MANAGEMENT

5% Fall Order Discount

Offer valid October 27, 2025 thru December 1, 2025. Discount does not stack on other discounts. See your rep for more information.



CROP RESIDUE = MONEY LEFT IN YOUR FIELD!

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

Crop residue problems cost you time and money, causing a variety of issues which include:

- Plugged row cleaners
- Openers that can't penetrate residue
- Tire damage
- Poor seed placement
- Inconsistent planting depth
- Lower soil temperatures
- Uneven germination rates
- Unavailable nutrient value
- Loss of yield

Ask your Representative how **Humi-Till** can help you address your crop residue problems...and whether you are leaving money - and yield dollars - in the field!

Works great on all types of residue including corn, wheat, soybeans, cotton, peanuts, & canola

“ 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



Humi-Till is a unique blend of specific microbes 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. It's convenient and flexible... ready to go when you are!

Application Information:

- Best applied in fall, post-harvest
- Can be applied with fall and spring herbicides
- Low application rate
- Better results achieved when used with FlexN™

Soil Health Benefits:

- Increases organic matter
- Higher CEC potential
- Assists with moisture retention
- Increased microbial activity
- Reduces soil compaction



For those who till in the fall...

Humi-Till will help break down residue and convert nutrients, making your current efforts more effective – producing higher yields! To get better results from your tillage efforts, apply **Humi-Till**!

For those who prefer the no-till method...

Humi-Till has tremendous benefits in no-till conditions. It helps break down residue and convert nutrients, making your current no-till efforts more effective. To help eliminate problems, and get better results from your no-till efforts, apply **Humi-Till** fall or spring.



(1) Humi-Till is designed to address residue build-up and prepare your soil for next season. (2) Applying Humi-Till for residue management can actively assist in conditioning the soil – increasing microbial and earthworm populations needed for nutrient delivery. (3) A farmer applies Humi-Till at the end of the season to help manage his corn residue.

Humi-Till Active Ingredients:

SOIL AMENDING ACTIVE INGREDIENTS:

- Bacillus Amyloliquefaciens 2.2x10⁷CFU/ml
 - Bacillus Subtilis 4.4x10⁷CFU/ml
 - Humic Acids 1%
- Derived from brown coal*

Humi-Till General Application:

GENERAL: 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 1-3 gallons of liquid nitrogen per acre. **HIGH-YIELD:** Apply 2-4 gallons per acre. Monty's high-yield program can vary for crops, application rates and timing. If you are interested in a high-yield program, contact your Monty's representative.

Physical & Chemical Properties:

- pH: 6.0 - 7.0
- Net Weight: 8.42-8.59 lbs/gal
- Freezing Point: <32°

Humi-Till Activator Active Ingredients:

SOIL AMENDING ACTIVE INGREDIENTS:

- Bacillus Amyloliquefaciens 2.2 x 10⁷ CFU/ml
- Bacillus Pumilis 2.2 x 10⁷ CFU/ml
- Bacillus Megaterium 2.2 x 10⁷ CFU/ml
- Bacillus Subtilis 2.2 x 10⁷ CFU/ml
- Bacillus Licheniformis 4.4 x 10⁷ CFU/ml

Humi-Till Activator General Application:

GENERAL: Add entire packet to 275 gallons of Monty's Liquid Carbon 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. **HIGH YIELD:** Monty's high yield program can vary for crops, application rates and timing. If you are interested in a high yield program, contact your Monty's representative.

Physical & Chemical Properties:

- pH: 6.0 - 7.05
- Net Weight: 8.67 lbs/gal
- Freezing Point: <30°

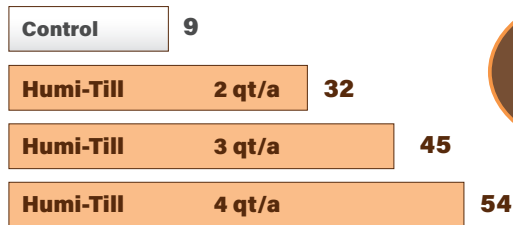


SUCCESS IN THE FIELD:

Replicated field studies show that Humi-Till applied post-harvest significantly reduces plant residue within 45 days after application.

Corn

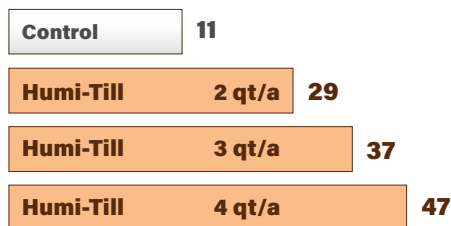
% Residue Reduction



+45%
REDUCTION
OVER CONTROL

Soybean

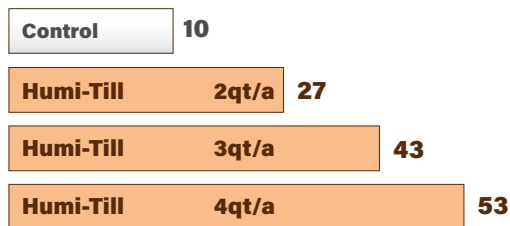
% Residue Reduction



+36%
REDUCTION
OVER CONTROL

Wheat

% Residue Reduction



+43%
REDUCTION
OVER CONTROL

PRODUCT RESEARCH¹

200 bushel corn with 1:1 grain/stover ratio (at 15.5% moisture and dry stover) and tissue concentrates.

Based on the formula from Purdue University, the potential nutrients left in the corn stover have a value of:

N @ \$950/ton = \$78.28
 P₂O₅ @ \$950/ton = \$20.60
 K₂O @ \$600/ton = \$55.50

Total \$ value of nutrients in 200 bushel residue... \$154.38

Calculations used to determine value:

0.68% N = 76 lbs N @ \$1.03 = \$78.28

0.18% P₂O₅ = 20 lbs P₂O₅ @ \$1.03 = \$20.60

0.99% K₂O = 111 lbs K₂O @ .50¢ = \$55.50

Actual nutrient value in 200 BU residue = \$154.38

THE HUMI-TILL ADVANTAGE!²

Converts residue to usable nutrients by breaking down more residue!

Humi-Till return on investment:

@ 25% break down = \$38.60

@ 35% break down = \$54.03

@ 50% break down = \$77.19

@ 81% break down = \$125.05

(Based on 1 gallon/acre)

Anything over a 10% break down is money in your soil bank!

Humi-Till Corn Residue Trials

TREATMENTS	RATES	CORN RESIDUE BREAK DOWN (% REDUCTION)
Untreated Plot	--	8.8%
Treatment "A"	2 Quarts/Acre	32%
Treatment "B"	3 Quarts/Acre	45%
Treatment "C"	4 Quarts/Acre	54%

1) Calculations are from James J. Camberato, Professor and Extension Specialist, Dept. of Agronomy, Purdue University. Nutrient content likely varies with soil fertility level and yield so I would expect there to be more variability around how much nutrient is left behind in the stover than there is grain.

2) Based on trial data, Fall 2015, Sentinel Biologics. For complete trials, visit montyplantfood.com or consult with your Monty's representative.

NOTE: Information based on Spring 2023 fertilizer prices.



Photos show Humi-Till results in Illinois: (1) and (2) Humi-Till on left vs untreated. (3) Humi-Till + UAN on left vs untreated.

THE BASICS OF HUMI-TILL

Questions and answers for Humi-Till residue management

What is Humi-Till? Humi-Till is specifically formulated to deal with the residue management issues of corn stalks and other high carbon residue. It is a unique blend of microbes designed to decompose cellulose, lignin, and keratin in crop residue – combined with Monty's activated humic technology.

What type of residue will Humi-Till work on?

Humi-Till is designed to break down all stubble including corn, wheat, beans, rice, sorghum, peanuts, sugar cane, and cotton. It also helps manage manures and litters. It is effective on any residue left in the field.

How quickly does it work? When applied at 1 gallon per acre, research has shown residue reduction in the range of 46% to 54% after only 45 days (Corn: 54.2%; GMO Corn: 50%; Soybeans: 46.6%; Hay Grass: 52.4%; Wheat Straw: 52.6%).

Why does Humi-Till contain bacteria? Humi-Till has specific microbes – combined with Monty's activated humic technology – which digest cellulose, lignin, and keratin within residue material.

When is it best to apply Humi-Till? Humi-Till is best applied in the fall on residue after harvest. However it can also be applied in the spring with pre-plant or even burn down applications when lots of weed or grass residue must be decomposed. Humi-Till may be applied to fields after manure, chicken litter, or other residue is applied.

Can I apply Humi-Till on pastures? Yes. Pastures offer a perfect environment for Humi-Till to be successful. It will digest the thatch that is in the pastures and release nutrients, as well as stimulate root development to help thicken and extend pasture life.

Can I make multiple applications of Humi-Till throughout the year? Yes, Humi-Till can be applied many times throughout the growing season. Your farming situation, such as double-crops or pastures, may influence the number of applications.

Will moisture in the soil affect the microbes in Humi-Till? Moisture in the soil will help accelerate the population growth of the microbes in Humi-Till once it is applied to the soil. This will directly impact the digestion and break down of residue.

Will bacteria go dormant in the winter? Once applied, the bacteria will become much less active when soil temperatures fall below 45°. They will become active again once soil temperatures rise above 45°.

What affect will the soil freezing and thawing have on the success of Humi-Till? Freezing will cause the microbes to go dormant but will not kill them. Once soil is warm enough (above 45°), the microbes will become active again. Also, freezing and thawing of the soil will work the microbes and humic deeper into the soil profile – improving the impact Humi-Till has on root digestion of the former crop.

How long can Humi-Till be stored and remain effective? The microbes in Humi-Till remain viable for up to 24 months from manufacture date, depending upon weather and storage conditions. After 24 months, the product should be tested for microbe viability.

Are there any other storage considerations?

Yes, there are two. First, Monty's does not recommend allowing Humi-Till to freeze. However, should the product freeze, and after it has thawed, we recommend vigorous agitation before application. Second, Humi-Till should not be stored in direct sunlight.

Can Humi-Till be tank-mixed? Humi-Till can be tank-mixed with most herbicides, nitrogen products, and applied agricultural products. However, Monty's always suggests performing a jar test when mixing with any farm chemical.

What is the difference between Humi-Till and Humi-Till Activator? Humi-Till Activator contains the same unique blend of microbes as Humi-Till, but in a dry format for a longer shelf life and ease of handling. It's convenient and flexible... ready to go when you are!

Is your crop residue leaving money –
and yield dollars – in your field?
Ask your Monty's representative, call
800.978.6342 or visit montysplantfood.com



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