

# CROP RESIDUE... MONEY LEFT IN YOUR FIELD!

Convert your residue this fall, for better crop response and fewer planting issues next season!



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

## HUMI-TILL®

### CROP RESIDUE MANAGEMENT

**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

**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.

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!

“ 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*



## Application Information:

- Best applied in fall, post-harvest
- Can be applied with fall and spring herbicides
- Low-rate application, 3-4 quarts per acre
- 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.



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



For more information,  
contact your representative,  
visit [montysplantfood.com](http://montysplantfood.com),  
or call 800.978.6342.

## PRODUCT RESEARCH<sup>1</sup>

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	@ \$540/ton	=	\$44.84
P <sub>2</sub> O <sub>5</sub>	@ \$750/ton	=	\$16.40
K <sub>2</sub> O	@ \$600/ton	=	\$55.50

Total \$ value of nutrients  
in 200 bushel residue... **\$116.74**

Calculations used to determine value:

0.68% N	= 76 lbs N	@ .59¢	= \$44.84
0.18% P <sub>2</sub> O <sub>5</sub>	= 20 lbs P <sub>2</sub> O <sub>5</sub>	@ .82¢	= \$16.40
0.99% K <sub>2</sub> O	= 111 lbs K <sub>2</sub> O	@ .50¢	= \$55.50

Actual nutrient value in 200 BU residue = \$116.74

## THE HUMI-TILL ADVANTAGE!<sup>2</sup>

Converts residue to usable nutrients  
by breaking down more residue!

Humi-Till return on investment:

@ 25% break down	= \$29.19
@ 35% break down	= \$40.86
@ 50% break down	= \$58.37
@ <b>81% break down</b>	<b>= \$94.56</b>

(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%

<sup>1</sup>) 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.

<sup>2</sup>) Based on trial data, Fall 2015, Sentinel Biologics. For complete trials, visit [montysplantfood.com](http://montysplantfood.com) or consult with your Monty's representative.

NOTE: Information based on Spring 2023 fertilizer prices.