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.

MONTY'S® PLANT & SOIL PRODUCTS

For more information, contact your representative, visit montysplantfood.com, or call 800.978.6342.

HUMI-TILL®
CROP RESIDUE MANAGEMENT

**Nutrient values updated based on 2016 prices.*