

# BioBuild® Digester

PCT | Sunrise® BioBuild® Digester is a highly concentrated blend of beneficial microorganisms specifically formulated to reduce recent crop residue. The Digester's objective is to naturally break down the current year's residue and aid in returning trapped nutrients within the residue, to the successive year's crop.

The process will assist in increasing organic matter and improve Cation Exchange Capacity (CEC) levels within the soil. Digester etches corn stalks' surface, which in turn allows an entrance for oxygen, water and beneficial microorganisms to penetrate the hard cuticle on the stalks' exterior.

There are over 20 strains of beneficial microorganisms in Digester; all of which are naturally occurring in the soil. This product will increase activity compared to what slowly occurs naturally. Digester is specifically designed to improve the breakdown of cellulose, proteins, lipids, starches, lignins, and chitins.

BioBuild Digester is applied at 1-2 pints per acre and will work best at temperatures over 40°F. If there is concern of temperatures dipping below 40°F for prolonged periods of time, it is recommended to add an additional food source for the microbes such as BioBuild Sun-5 at 8oz-16oz per acre to help increase microbial activity. Another option when temperatures are at risk of dropping below 40°F is adding a nitrogen fertilizer food source to increase microbial activity simply by adding a 10% volume to volume (v/v) of 28% UAN to water or by adding 8.5-17 lbs of ammonium sulfate per 100 gallons of water.



UNTREATED

TREATED

Product carrier volume should be enough to ensure adequate coverage of crop residue (i.e. 15-20 gallons per acre spray solution).

Example: A 15 gallon per acre spray solution would require 1.5 gallon of 28% UAN at a 10% v/v.

## Digester Benefits

- ↳ Increases nutrient availability
- ↳ Many modes of action - complex blend of microorganisms
- ↳ Increases organic matter (OM) and CEC levels
- ↳ Decreases germination potential of volunteer corn-seed left on soil surface from harvest
- ↳ Reduces tire damage from rigid stalks
- ↳ Works over winter, although activity slows when temperatures are below 40°F
- ↳ Can be used with fall herbicide application

