

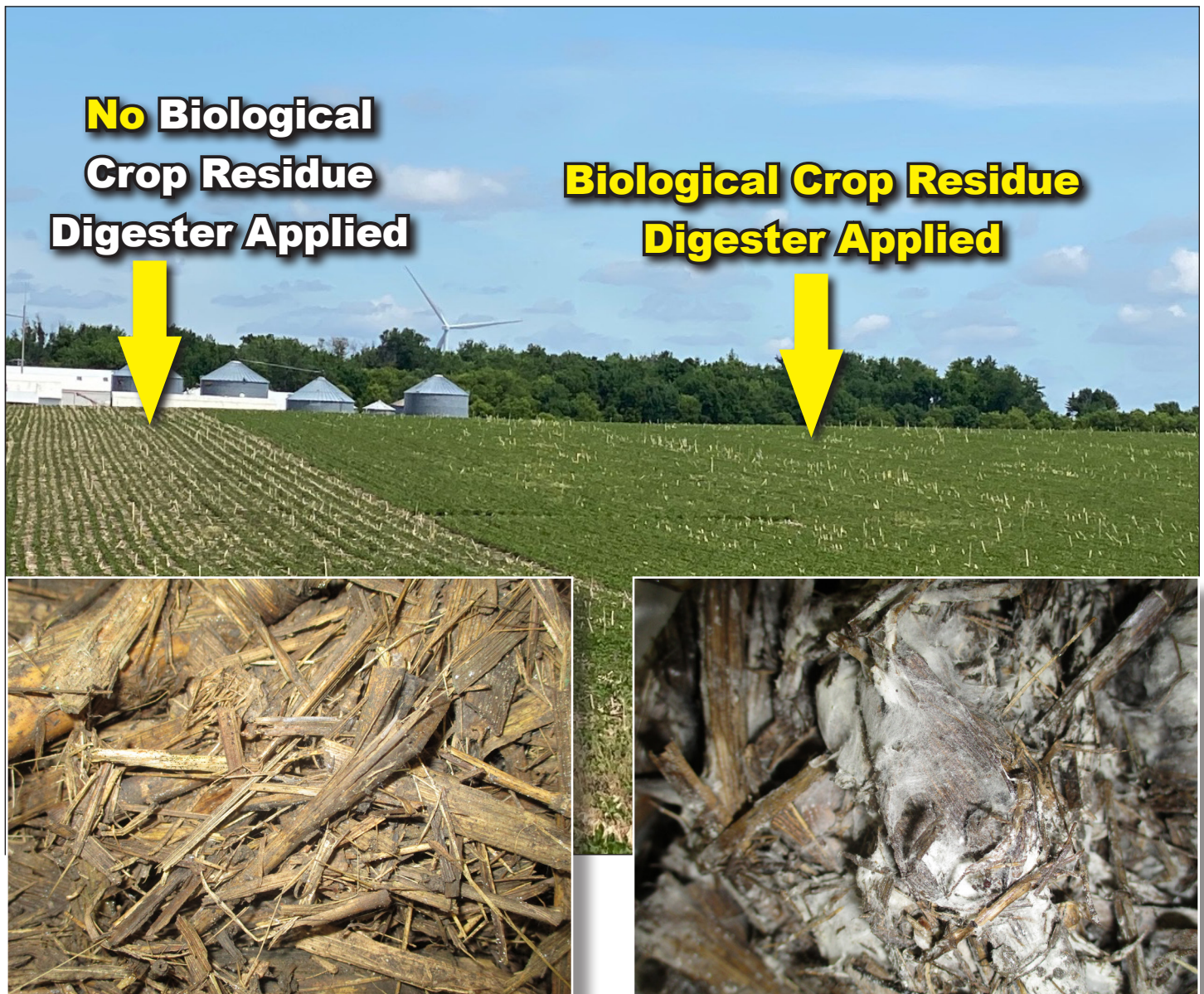


More from Every Acre, Animal & Gallon of Manure

## Crop Residue Digestion Program

Where's the best soil on your farm? The undisturbed fence line. This nutrient-rich area has deep topsoil, high organic matter and a lively soil biology because it has never been tilled or disturbed. We want to bring the same fence-line soil biology and organic matter content back to your fields by implementing the Crop Residue Digestion Program.

*The following visuals and yield data are the results of using ProfitProAG's Crop Residue Digestion Program.*



Untreated

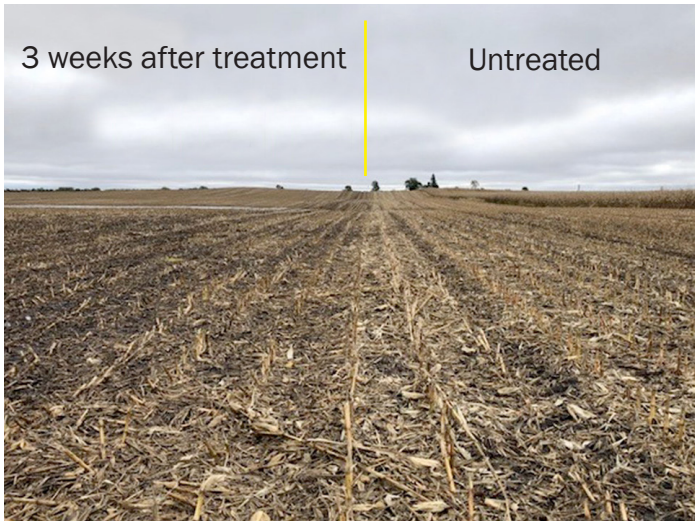
Treated – Note the fungal activity on the corn residue

The combination of these ecologically-friendly soil and crop residue management technologies speeds the complete digestion of crop residue and primes the environment to produce nutrient-dense, high-energy crops.





**“Improve Soil Health, Retention of Nutrients, Water Quality and Profit Potential”**



3 weeks after treatment

Untreated



Stalk from field

Stalk from field untreated

4 weeks after treatment

**Think of the Crop Residue Digestion Program as a “second harvest” that improves soil health, nutrient retention, water quality and profitability.**

**Residue Management =  
Improved Planting Efficiency  
and Healthier Plants**

- ▶ **Faster warm-up** – less residue allows faster soil warm-up for earlier planting
- ▶ **Easier tillage** – soils that are alive and more aggregated require less horse-power and fewer tillage trips
- ▶ **Easier planting** – less residue means less hair-pinning and less risk of plugging
- ▶ **Lower fertilizer costs** – recycling nutrients in residue can reduce purchased inputs
- ▶ **Build organic matter** – accelerated residue breakdown means more carbon (organic matter) in the soil
- ▶ **Retain nutrients** – organic matter helps keep nutrients in the soil and protects water quality

**Corn on Corn  
Residue Management**



**Soybeans on Corn  
Residue Management**



**Digested Residue**



**Undigested Residue**

## BioRegenerate™ – crop residue breakdown & nutrient release aid

- ▶ Put your nutrients to work now
- ▶ Faster planting
- ▶ Faster emergence
- ▶ Less steps

### Yield advantage from using the Fall Crop Residue Digestion Program (BioRegenerate option three)

Crop rotation	Expected yield advantage	
	1st year	2nd year
Corn on fall treated corn residue	5-12 bu (8 bu avg)	8-18 bu 10 bu avg)
Corn on fall treated soybean residue	4-8 bu (5 bu avg)	5-10 bu 8 bu avg)
Soybean on corn	3-8 bu (5 bu avg)	5-10 bu (8 bu avg)



## The benefits of building biologically active Soil Organic Matter (SOM)

### Building SOM 1%

- ▶ Allows the soil to store another 10,000 gallons of water/acre
- ▶ Retain more nutrients per acre
  - 1,000 lbs N
  - 650 lbs P
  - 115 lbs K
  - 700 lbs Ca



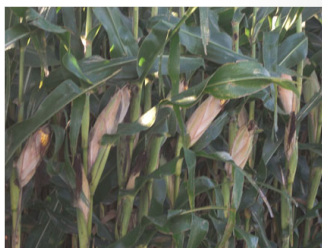
**A Full-Circle fall or spring Crop Residue Digestion Program, along with an at-plant and in-season biological/nutritional recipe, will increase crop consistency, yield and quality. This will allow you to spend less and get more, avoid premature death of the crop and maximize yield potential.**



### Healthy Corn with a Mature and Dry Ear at Harvest



- High test weight & nutrient density
- Free of mycotoxins



### Premature Death of Corn



- Low test weight & nutrient density
- Loaded with mycotoxins

**Call ProfitProAG and let us help you design your Crop Residue Digestion Program.**

**Dennis Klockenga at 320-333-1608 or 507-373-2550**