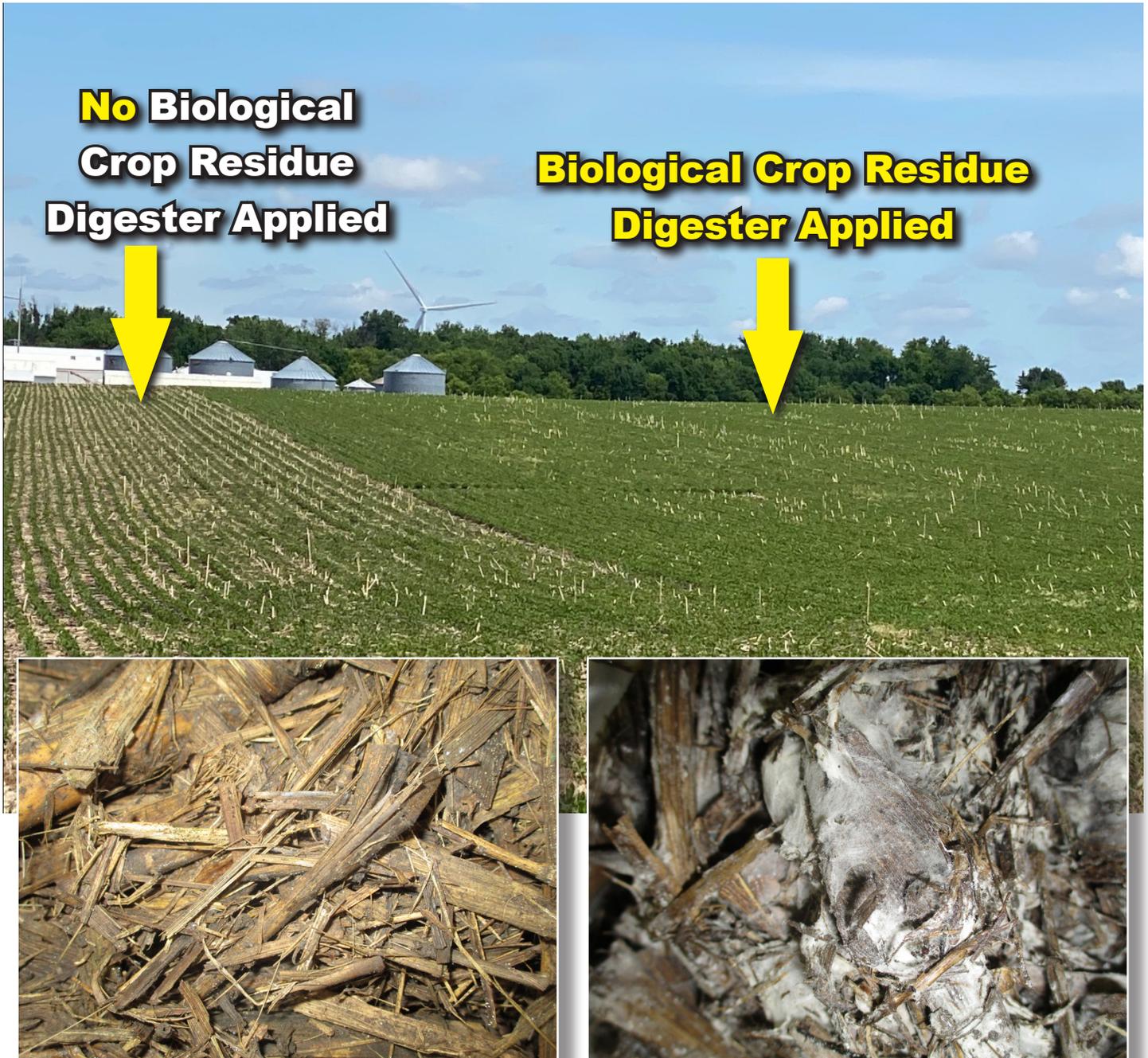


Fall Crop Residue Digestion Program

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.



**No Biological
Crop Residue
Digester Applied**

**Biological Crop Residue
Digester Applied**



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”



Stalk from field 4 weeks after treatment Stalk from field untreated

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

- ▶ **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

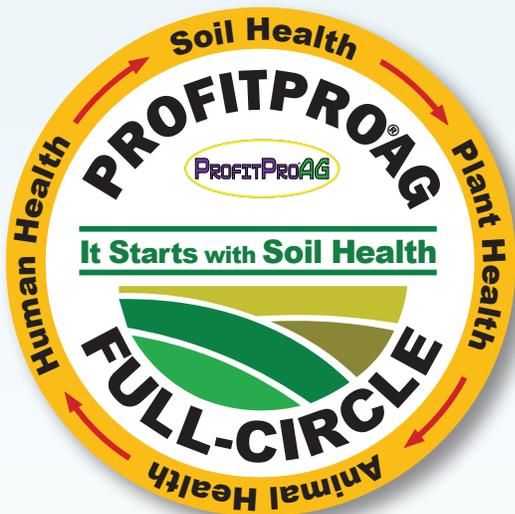
Residue Management = Improved Planting Efficiency and Healthier Plants

Corn on Corn Residue Management	Soybeans on Corn Residue Management
<p data-bbox="834 1650 1042 1680">Digested Residue</p>	<p data-bbox="1224 1650 1432 1680">Digested Residue</p>
<p data-bbox="821 1971 1055 2001">Undigested Residue</p>	<p data-bbox="1211 1971 1445 2001">Undigested Residue</p>

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



Yield monitor data showing the yield advantage from using the Crop Residue Digestion Program

ON FARM Trial Series Nelsons Farm Trial – Corn to Bean MeltDown Stubble Digester Trial

Jackson, Nebraska

- ▶ MeltDown applied to soybean crop with pre-emerge herbicide following a previously grown corn crop
- ▶ Trial Findings: **+4.5 BPA soybeans with MeltDown**

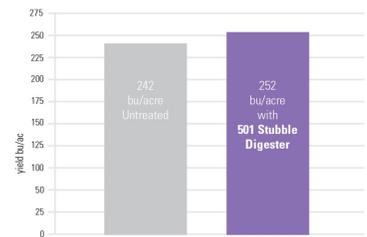


Source: Ecolyne 2020 Product & Data Guide
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Corn to Corn Environoc 501 Stubble Digester Trial

Mitchell County, Iowa

- ▶ Environoc 501 applied to corn stubble in fall. Data from corn crop grown following season. Results from two 22 acre fields.
- ▶ Trial Findings: **+10 BPA corn with Environoc 501**



Source: Ecolyne 2020 Product & Data Guide
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Corn to Bean MeltDown Stubble Digester Trial

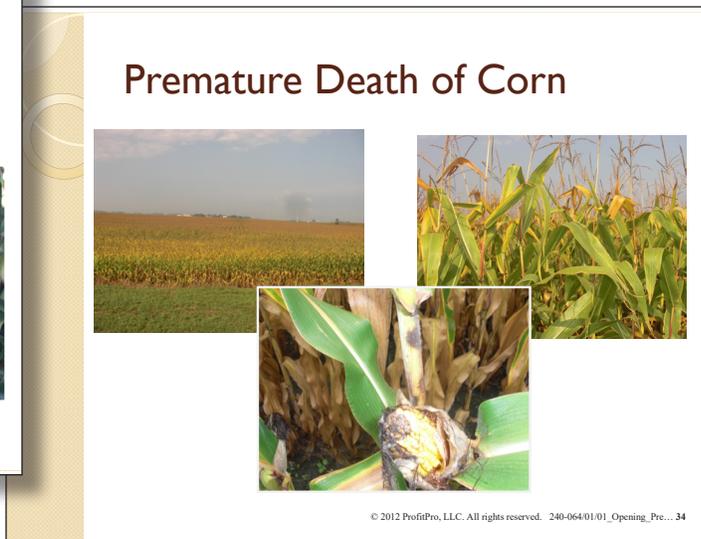
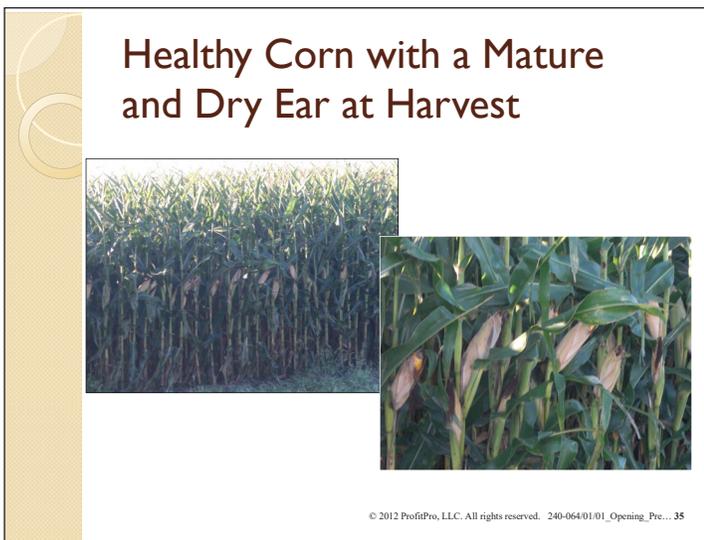
Iowa

- ▶ MeltDown applied to corn stubble in fall. Data from soybean crop grown following season. Results from 154 acre field, 70 acres treated.
- ▶ Trial Findings: **+5 BPA soybeans with MeltDown**



Source: Ecolyne 2020 Product & Data Guide
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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.



Call ProfitProAG and let us help you design your Crop Residue Digestion Program.
Dennis Klockenga (320) 333-1608 or 1-888-875-2425



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