



## Welcome to Ground Work

### *Residue Management Review*

9/4/2012

**A good residue management program lays the foundation for profitable crop production.** Whether you are a biological, sustainable, organic or conventional farmer, wise residue management deserves your time and attention.

**The key concepts** of wise residue management include:

- Inoculate the crop residue with AgriEnergy Resources' **Residue™** (live microbes that will break down mature crop residues)
- Provide an environment and food sources for the organisms to thrive
- Manage carbon-to-nitrogen ratios
- Put the residue in contact with the soil

As farmers, we can get frustrated with the success of large crops because of the large quantities of "trash" left behind. Good residue management with **Residue™** *turns tons of residue into tons of opportunity.*

#### **Benefits of Residue™**

- **Faster Warm-Ups** – Less residue allows faster soil warm-up for earlier planting
- **Easier Tillage** – Soils that are alive require less horsepower and fewer tillage trips

- **Easier Planting** – Less residue means less hair-pinning and less risk of plugging
- **Biosanitation** – Use microorganisms to “clean up” residues as quickly as possible
- **Increase Diversity** – Many different kinds of organisms means healthy competition
- **Increase Numbers of Microbes** – More microbes per acre means more fertility
- **Water Holding Capacity** – Better tilth and more organic matter mean more stored water for those non-rainy days
- **Improved Tilth** – A “coffee grounds” structure at the surface provides a beneficial mulch
- **Improved Gas Exchange** – Improved tilth means maintaining higher oxygen content in the soil
- **Recycle** – Recycling nutrients in residue reduces costly purchased inputs
- **Build Organic Matter** – Faster cycling of residues means capturing more carbon in the soil
- **Sequester Nutrients** – By building organic matter we are anchoring nutrients to our farm. 1% Organic Matter =
  - 1,000# nitrogen per acre
  - 650# phosphate per acre
  - 115# potash per acre
  - 700# calcium per acre
  - *And much more ...*
- **Yield Increases** – About 12 bushels/acre for corn; 5 bushels/acre for soybeans

A fall **Residue™** program is your first step towards a more profitable next crop. ***Residue™ provides countless benefits for your soil and countless benefits for your wallet.***

AgriEnergy Resources offers several residue management products including:

- **Residue™ Plus Powder** (NOP compliant)
- **Residue™ PL** (NOP compliant)
- **CPR** (NOP compliant)
- **Residue™ DF** (not allowed in organic production)
- **Practi-Cal** (not allowed in organic production)

***Contact your AgriEnergy Resources representative to discuss the residue management product options for your operation.***

***Have a safe harvest!!***