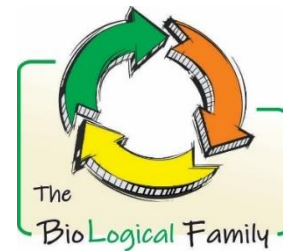


Residue Management

Are you utilizing the tons of crop residue left behind your combine?

Treat your "Trash" and Reap a "Second Harvest"



Check

Treated

Residue Decomposition



Microbes at Work



Check

Treated

Recycling Nutrients

START BY...

"Treating your Trash"

SIZE your residue.... Use cutters or choppers to size your residue and increase surface area.

Innoculate with microbes... from the Residue® product family.

WISE tillage is key... The sized residue needs to be in contact with the soil. Proper tillage will vary from farm to farm depending on soil type, topography, and climate.

REALIZE the goal..... of residue management is to grow the most beneficial microbes per acre on your farm.

More Microbial Life = Faster Residue Decomposition

THEN...

"Reap the Second Harvest"

FASTER WARM-UP. Less residue allows faster soil warm-up for earlier planting.

EASIER TILLAGE. Soils that are alive and more aggregated require less horsepower and fewer tillage trips.

EASIER PLANTING. Less residue means less hair-pinning and less risk of plugging.

RECYCLE. Recycling nutrients in residue can reduce purchased inputs

BUILD OM. Accelerated cycling of residue means capturing more carbon in the soil.

SEQUESTER NUTRIENTS. By building organic matter, we are anchoring nutrient to our farm.

- * Residue® Complete
- * Residue® WS
- * Residue® O
- Residue® XT
- Residue® CS

*Formulated for Organic Agriculture.
Check with your Certifier.

Your **AgriEnergy Solutions** Dealer
will assist you in selecting the best
Residue® product for your operation.

Manufactured by Douglas Plant Health.



Residue Management

... by the Numbers

In a modest 200-bushel corn crop, the residue that's left behind in each acre is:

4 tons of residue and **2.2 tons** of corn roots

The **NPK value** contained in this residue per acre is **90-35-210**.

In addition to this, there are

- **18 pounds** of Sulfur,
- **39 pounds** of Calcium,
- **28 pounds** of Magnesium.

On the AgriEnergy farm, we saved **115 pounds** of purchased nitrogen per acre per year, by farming biologically and managing residues wisely.

The soil on the AgriEnergy farm, where the Residue Management program was followed for 25 years, has **3.9% organic matter**.

The adjacent farm, just across the fence, has **2.9% organic matter**.

This difference of **1% Organic Matter** is the cornerstone of biological farming and is due to wise residue management.

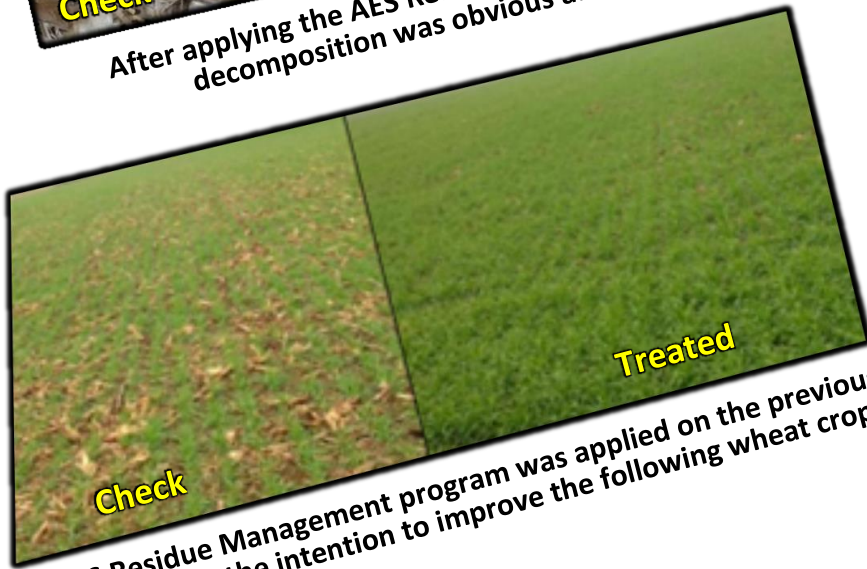
1% Organic Matter EQUALS

1000 lbs of Nitrogen/acre
650 lbs of Phosphate/acre
115 lbs of Potash/acre
700 lbs of Calcium/acre

... and allows the soil to store another **10,000** gallons of water/acre.

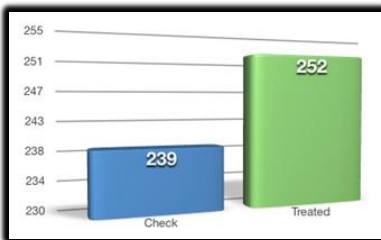


After applying the AES Residue Management program decomposition was obvious after 30 days.

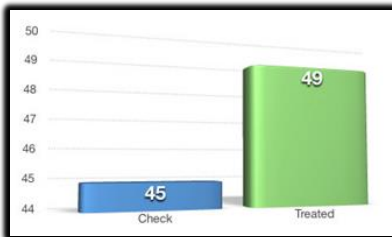


An AES Residue Management program was applied on the previous corn crop, with the intention to improve the following wheat crop.

Residue Management, by the YIELD



Corn yield results after a previous fall application of AES Residue Management program on corn, with ROI of over \$30./acre.



Soybean yield results following a fall application of AES Residue Management program on corn.



Enhanced Biological Solutions for Profitable Farming