



HIGHLIGHTS

Managing crop residue.
Enhancing yield & field
productivity.

Corn residue is an excellent asset in farming for its source of humus and nutrients for the soil. However, excessive amounts of corn residue can tie up nutrients for the next crop. Large amounts of undecayed residue can hamper tillage and planting operations, reduce warming and drainage of the seedbed, as well as harbor soil insects and disease. Placement of a unique blend of essential nutrients on the residue instead of washed into the soil at the time of application is the main catalyst that drives Res+™ proven performance.

KEY BENEFITS

- Quickly binds to residue
- Promotes rapid decay of residue
- Efficient, effective spring tillage
- Soil warms and dries quicker
- Nutrients returned to the soil quicker

Beck's PFR Trials
3-Year Multi-Location Residue Management Return on Investment (ROI)



WHAT IS RES+™

One of the greatest barriers for residue breakdown is the availability of moisture and nutrients which all microbes require to grow rapidly and break down residue. Res+™ contains a humectant which both adheres Res+ to the residue but also maintains a higher moisture level, in turn allowing the microbes to continue to grow and multiply in drier times.

Naturally occurring saprobes microbes are specialized in the decay and breakdown of crop residue. These microbes need nutrients, moisture and warmer temperatures in order to establish enough critical mass for impactful residue breakdown to occur.

As the saprobes microbes are multiplying in and around the residue, they begin to run out of carbon which is essential for growth. Res+ contains several nitrogen sources, along with micronutrients, that allow the microbes to grow to high numbers without requiring as much carbon. As the microbes begin to run out of carbon they produce a degrading enzyme that attacks the residue, releasing carbon as an essential food source and amplifying the agronomically beneficial decay process.

Taken together, Res+ helps maintain the moisture, the nitrogen and the micronutrients to quickly cause naturally degrading microbes to be established on the residue.



C:N Ratio for Common Residue

- Wheat Straw 80:1
- Oat Straw 70:1
- Corn Stover 57:1
- Soybean Straw 29:1

Under optimum conditions soil microbes need a C:N ratio of 24:1 to thrive and quickly decompose residue. Residue that has a high C:N ratio like corn stover and wheat straw need Res+ as a catalyst for optimum residue decomposition.

APPLICATION TYPES

Ground - Uniformly apply 16 oz/acre of Res+ with properly calibrated equipment in 10-15 or more gallons of water per acre.

Aerial - Uniformly apply 16 oz/acre of Res+ with properly calibrated aerial equipment in 5 or more gallons of water per acre.

Res+ is compatible with soil conditioners and surfactants. Res+ is non-phototoxic when used as directed and compatible with most commonly used fertilizers and pesticides. Pilot test compatibility on all chemical mixes before use.

