



Managing Residue for Maximum ROI

At Douglas Plant Health, we know that rapid decomposition of crop residues increases the amount of humus and organic matter in the soil.

Much of the carbon in residue left on the soil surface oxidizes and is lost for humus formation. All crop residues contain high levels of nutrients, particularly potassium that can be recycled to help grow the next crop.

Speeding decomposition makes those nutrients available quicker in the next growing season.



We believe that good residue management involves **sizing residue** to create more surface area and getting that residue in contact with the soil. Sizing can be done by chopping, slicing, or rolling. This can be accomplished by a combination of harvesting and/or tillage equipment.



The residue in contact with soil provides the best environment for residue degrading organisms to go to work. One grower said that his no-till drill was the best vertical tillage implement for sizing residue.

The process of “**sheet composting**” our crop residues is key to successful composting and effective in managing carbon to nitrogen ratios. An ideal compost has a 10:1 carbon to nitrogen ratio. You may need to add nitrogen to the system for optimum results.

It's a good idea to inoculate your residue with **Residue WS**. The microbes in Residue are known to speed up the rate of residue decomposition.



We recommend Residue WS, a dry water-soluble product at a rate of 1.6 to 4 ounces per acre.

We also recommend readily available food sources be added also to begin multiplying these beneficial organisms. **For organic growers**, two gallons of Residue O is the preferred food source. **Conventional growers** can choose between Residue CS for most applications, PractiCal in tough soil conditions or Residue XT when extra nitrogen is needed.

As a bonus, cover crops work to enhance the activity of Residue by providing more sugars through root exudates to feed the microbes.

Contact your DPH representative to choose the best Residue products for your needs and the best management practices to go with it.



815.872.1190

Call us today for assistance in putting Residue to work to improve your bottom line.