

DO YOUR SPRING CLEANING THIS FALL



RESIDUE MANAGEMENT | THE SITUATION. THE PROBLEM. THE SOLUTION.

THE SITUATION

Did you know that approximately 50 pounds of residue are produced for each bushel of corn harvested? This means a 200 bushel corn crop produces 4.73 tons of residue. All of this residue ties up valuable nutrients in the soil.

4.73 tons of residue contains:

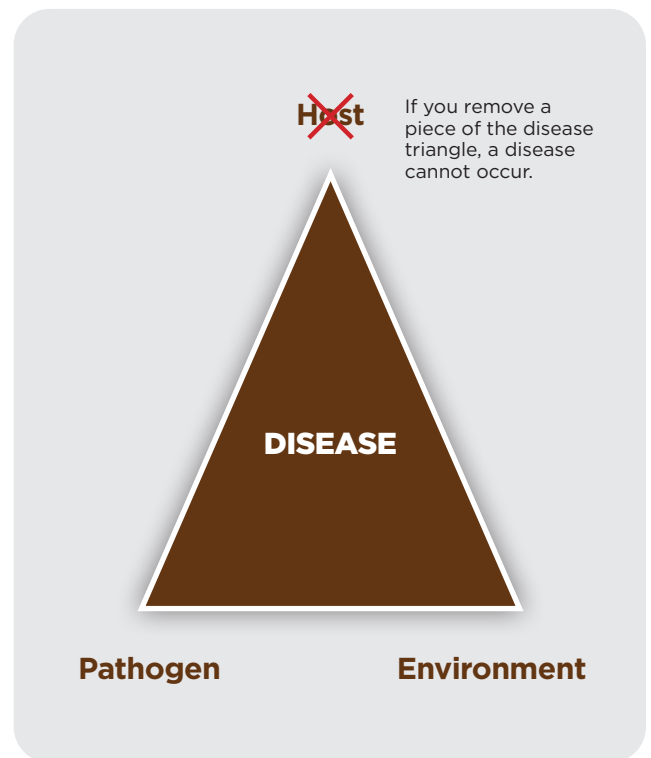
75 pounds of Nitrogen	= \$31 (28%)
26 pounds of Phosphorus	= \$14 (MAP)
124 pounds of Potash	= \$37 (Potash)

Costs per lb of NPK based on eastern corn belt retail prices Sept 2018.
Source: HarvestThePotential.com

Applying a residue treatment within two weeks after corn harvest has regularly shown a 4-5 bushel increase in soybean yield the following year.

THE PROBLEM

If conditions are not suitable for decomposition, heavy residue will tie up nutrients and host pathogens for overwintering.



THE SOLUTION

PROGRAM RECOMMENDATIONS



Bio Reverse™ 1 pint/acre

Bio Reverse is a robust microbial package specifically designed for residue decomposition. The microbial strains in Bio Reverse are shelf stable for up to 2 years and is suitable for a wide variety of application methods.

Mixing Recommendations: Start with a minimum of 20 gallons of carrier. Bio Reverse can be applied with fall burndown products, mixed with liquid fertilizers, impregnated on dry fertilizers, included in pivot irrigation, or sprayed with any other carriers that may be applied in the spring or fall.

UltraMate® LQ

UltraMate® LQ 1 gal/acre

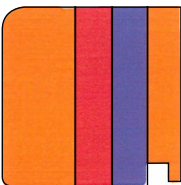
UAN or 28% 3 gal/acre

The carbon in UltraMate LQ stabilizes nitrogen in the soil and has some carbon immediately available to jump start microbial activity to degrade the corn fodder.

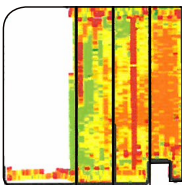
Mixing Recommendations: Start with a minimum of 12 gallons of water. Agitate throughout the mixing process. This mixture can be applied with fall burndown products, including glyphosate.

RESEARCH

SOYBEAN YIELD BY MANAGEMENT ZONE



LEGEND	MANAGEMENT ZONE	AVG	AVG MOISTURE
	28% + UltraMate	64.45	9.18%
	Untreated	58.70	9.79%
	28% + Experimental	57.92	8.85%
	All	60.20	9.27%



DRY YIELD - SOYBEANS - 2015	
5.27 - 38.29	(2.16 ac)
38.47 - 59.39	(8.37 ac)
59.41 - 70.68	(7.75 ac)
70.71 - 116.62	(5.61 ac)
118.99 - 150	(0.02 ac)



FOR MORE INFORMATION
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