



Corn Stubble? No Problem!



Today's corn hybrids leave virtual tree trunks in a combine's wake.

Managing crop residue as one of the major challenges faced by farmers today. For example, the amount of crop residue left behind after a corn harvest is roughly equal to the weight of the grain harvested from the field, example, a 180-bu./acre corn crop leaves behind approximately 10,000 pounds of crop residue/acre (on a 15% moisture basis).

Applying *IQ SM* improves planting, seed placement and germination by accelerating residue breakdown, increasing nutrient availability and cycling, building organic matter, adding and increasing soil biology, and drastically reducing input costs.

IQ SM - The First Step Toward Your Next Seeding

Improve planting, seed placement and germination

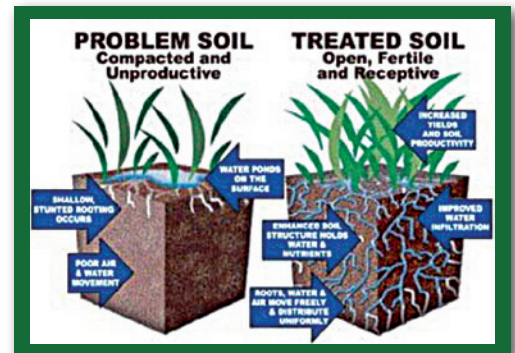
IQ SM accelerates residue breakdown, increasing nutrient availability and cycling, building organic matter, adding and increasing soil biology, and drastically reducing input costs. The addition of plant available calcium reduces soil compaction and allows soil biology to thrive deeper in the soil profile which assists in proper root establishment.

Eliminate residue pushed into the seed furrow

IQ SM helps you avoid the problems of clogged planter disc openers or coulters which interfere with proper seed placement, reduces seed-to-soil contact and delay germination.

Enhances soil conditions for the next growing season.

IQ SM eliminates excessive residue over the row which reduce soil temperature and delays germination. It also eliminates the physical barrier to planting or emergence, root growth and nutrient uptake are also reduced by cool soil. *IQ SM* also mitigates the issues associated with residue in contact with seedling roots that pose an allelopathic (toxic) effect, resulting in stunting and delay development.





Simply Intelligent Growth



When — and How — To Use IQ SM:

The perfect time to apply *IQ SM* is right after harvest (same day if possible). The sooner after harvest the better — the microbes in the product will have instant food with the newly cut stubble and start degradation process immediately.

Valuable nutrients, which can be used by the microbes for plant food and building organic matter, will be lost due to volatilization if *IQ SM* is not applied quickly after harvest. Why would you want to waste all that money?

After product is applied, lightly disc under the stubble and call it a day! The powerful process is then underway. Certain conditions may warrant an extra application in spring before planting. Check with you *IQ SM* factory rep if you have any questions on multiple applications of *IQ SM*.

IQ SM - Benefits

- ✓ Eliminates crop residue including GMO varieties
- ✓ Releases valuable nutrients locked in the stubble and makes them plant available
- ✓ Greatly reduces soil compaction and improves soil structure
- ✓ Aerates and builds organic matter in the soil
- ✓ Lowers pH in alkaline soils
- ✓ Reduces input costs
- ✓ Water soluble

IQ SM:

Enzymes, including:

Fungal Protease, Acid Protease, Gluco Amylase, Amylase, Lipase, Cellulase Lactase, Invertase and Phytase.

Microbes, including:

Bacillus subtilis, Bacillus licheniformis.

Calcium:

Derived from calcium carbonate, manufactured in a manner so application rates are greatly reduced to just a few ounces instead of hundreds of pounds of other calcium sources or lime.



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