

## **Farmers Boost Bottom Line with Efficient Soil Management**

*Monty's Humic Technology assists in unlocking nutrients already present in soil*

**Louisville**— Modern agriculture needs to be aware of what nutrients are available, not just what is present; often many of the nutrients needed to grow crops are already in the soil, they just are not available or in usable forms. In his article “Sustainable

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Soil Management,” Preston Sullivan points out that, “Soil containing 4% organic matter in the top seven inches has 80,000 pounds of organic matter per acre. Those 80,000 pounds of organic matter will contain about 5.25% nitrogen, amounting to 4,200 pounds of nitrogen per acre. Assuming a 5% release rate during the growing season, the organic matter could supply 210 pounds of nitrogen to a crop. However, if the organic matter is allowed to degrade and lose nitrogen, purchased fertilizer will be necessary to prop up

crop yields.” Farmers hold “the very real potential to control those purchases if they are willing to step out and investigate a new way of managing their soil.” According to Joe Dedman, Certified Crop Advisor. If needed nutrients are present, but unavailable, the question becomes how can they be made accessible to plants? One answer is the application of Monty's Soil Conditioner. According to Dedman, utilizing Monty's proprietary humic technology frees these elements allowing them to contribute to the overall impact on the soil and ultimately your desired crop.

Once applied to your field in the fall, Monty's Soil Conditioner allows for the minerals and nutrients to be remineralized. The process allows for bonds between these elements to be broken, freeing them to move independently within the soil profile. The process also allows these elements to be converted into forms that will be accessible to the existing biomass within the soil and to your plants. The key to gaining the most effective use of products like these is to allow them time to work, which is why fall is the optimum time for application. By applying Monty's Soil Conditioner at 64 ounces per acre in the fall, you allow for this re-mineralization to begin well ahead of planting. By freeing up these nutrients, farmers can see several benefits like lowered costs for crop inputs, less demand for some inputs, increased uptake of applied nutrients, increased microbial population, increased levels of organic matter, decreased compaction, and more efficient use of water among others. Additionally, on-going university and independent research is beginning to support the claim that the boost in production, increase in microbial population, and more efficient interaction between the soil, plant and environment, is stabilizing and working to create an on-going sustainable program for agriculture.

With a fall application of Monty's Soil Conditioner you can be in a position to better manage your soils next season maximizing your yield, quality and bottom-line potential.

For more information about Monty's Soil Conditioner visit your local farm store or [www.montysplantfood.com](http://www.montysplantfood.com) .

*Louisville-based Monty's Plant Food Company is a technology company using advanced science to promote a more sustainable solution to the production of food and fiber internationally. Monty's combines proprietary humic molecules with traditional macro and micro nutrients to develop innovative plant and soil solutions that are effective, economically feasible, and environmentally sound.*