



REBUILD. RESTORE. RENEW.

News Release

For Immediate Release

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Agribusiness Must Improve Soil Quality to Beat Drought and Prepare for Spring Planting

Bio S.I. Technology's Microbial Formulas Rebuild Soils to Restore Life and Renew Profits

Justin, TX- March, 2014 – As the weather warms and Spring planting nears, agribusiness must take measures to improve soil's natural ability to retain water and hold nutrients in the rhizosphere to help ensure a good stand and proper plant growth. Severe drought in many regions has left agribusiness scrambling for solutions. In California, the State Water Project has recently announced that it, "will not be allotting any water to the 25 million people and 1 million acres of farmland it usually services."¹ While it is impossible to control unpredictable weather events such as drought, taking steps to improve water holding capacity is critical to successful crop production, especially during prolonged drought. Specializing in all-natural, soil-borne microbial inoculants, Bio S.I. Technology's (www.biositechnology.com) formulas restore microbial populations to improve the soil's ability to hold water and nutrients by converting plant debris into humus (carbon). This is the part of the soil that provides the engine the soil needs to be able to provide the nutrients and water plants require throughout the growing cycle.

Bio S.I. Technology's Agriculture Formula + Humus and Agriculture "Select" formulas can be easily integrated into any conventional or organic soil preparation strategy to rebuild life and renew vitality to damaged soils. According to researchers at the Rodale Institute for organic farming methods, "the very structure and health of your land is directly influenced by the complex set of biological and chemical interactions which decompose, retain and recycle nutrients within the soil."² When soil is healthy, there is an abundance of microbial life throughout the rhizosphere. This naturally occurring, microscopic community is responsible for breaking down carbon-based waste and nutrient build-ups and converting them to forms that can be absorbed by the root-zone.

¹ <http://www.weather.com/news/science/environment/california-drought-prompts-zero-water-allocation-state-water-project-20140131>

² <http://rodaleinstitute.org/2012/soil-life-microbiology-on-the-farm/>



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Conventional farming techniques have saturated soils with chemical fertilizers, damaging organic life and resulting in compaction and crusting. Compacted soils do not allow water penetration and the water just runs off, which is especially undesirable in times of drought when scarce water resources are in high demand. Drought conditions also impact the root systems' ability to absorb nutrients from the soil which impacts production and quality of the crop.

Bio S.I.'s Agricultural formulas repopulate microbial life that converts plant debris into humus (carbon) that holds water and nutrients in the rhizosphere. This activity helps to reduce crusting, hardpan, and compaction which can have a tremendous positive effect on crop stand, production and quality as root systems are now able to expand and strengthen. The symbiotic relationship that these microbes form with the plant root system aid in nutrient availability and help stave off pathogens and disease. Bio S.I.'s microbial formulas improve soil tilth leading to larger, more vigorous root systems. This results in an increase in the effectiveness of your fertilizer program at lower doses reducing overall input costs and a more positive impacts on the environment.

The Agriculture "Select" formula contains the added benefit of mycorrhizal fungi that establish a direct symbiotic relationship that expands the surface area of the root-zone. The mycorrhizae attach to roots and bring nutrients back to the plant that it normally would not be able to get.

As more growers continue to abandon conventional methods in favor of more sustainable "whole systems" approaches, the importance of vital soils and active microbial communities will become even more apparent. Bio S.I. Technology looks to help agribusiness rebuild soils, to renew soil life, and naturally restore crop quality on the farm.

About Bio S.I. Technology

Bio S.I. Technology, LLC is a USDA BioPreferred™ member comprised of a team of experts with over 20 years' experience producing microbial products. Bio S.I. produces a full range of microbial inoculants including Bio S.I. Turf Formula, Septic Cleanser Formula, Remediation Formula and Jackpot I & II, new all-natural probiotic products formulated to bring beneficial soil borne microbes inside the digestive tract of valuable livestock investments. For more information about Bio S.I. Technology, or to purchase their cutting-edge formulas, please visit www.biositechnology.com.

If you would like further information, images, or to schedule an interview with Wayne Tucker, founder of Bio S.I. Technology, please contact Steve Manee via email at smanee@christiecomm.com or by phone at 805-969-3744.

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