



Spring #4 2016

Time to Get Growing... Let's Finish Planting and Get the Crop Out of the Ground!

With some fields yet to be planted and some with the new crop already emerging, we need to provide optimum nutrition for the crop to reach its genetic potential and obtain maximum yields. We can't control how warm or cool it gets or when it rains, but we can provide fertility as needed to make sure that the crop is well nourished with no nutritional deficiency. Any nutrient deficiency costs bushels in the bin. A 300 bushel/acre corn yield potential goes down as plant nutrition is less than optimum. We need to insure that all nutrients are available in adequate quantities at every stage of plant growth and development throughout the growing season.

Proper pre-plant soil maintenance and fertilizer applications and in furrow fertility will have brought you this far in providing the necessary plant nutrition.





Post Emergent Herbicide Applications with glyphosate may cause micronutrients like manganese to be chelated and flushed out, so the plant suffers deficiencies. It will cost you yield.

This “Yellow Flash” can be minimized by adding soluble chelated micronutrients and Humic substances to the spray tank with glyphosate to replace manganese that is flushed out by the herbicide.

Nitrogen is in great need by the corn plant as it is rapidly growing in the vegetative stage of development. We make applications of nitrogen to increase the availability and meet the need. However, nitrogen is lost from the soil during periods of wet summer weather due to leaching and denitrification of nitrates in wet soils.

Adding Humic substances to your programs will keep your applied nutrients available and chelate tied up soil bound nutrients for uptake as they are needed for crop growth and development. This will result in improved nutrition and higher yields.

SoilBiotics Organic Programs

In the Planter

Apply in furrow per acre as follows: SoilBiotics **3r** **Growth Boost** at ½ to 1 gallon, **SB4400*** at 1 pint, and 3 to 5 gallons **eFISHnt 5-1-2**** fish fertilizer dilution*** to stabilize nutrients and promote healthy seedling growth.

Apply per acre **3r** **Growth Boost** at ½ to 1 gallon 2x2, 2x3 or 2x4 with additional Nitrogen and **SB4400** at 1 pint.

Apply in furrow per acre through insecticide boxes **5r** **Soil Boost EA** at 10 pounds.

Emergence

Foliar apply per acre **3r** **Growth Boost** at 1 gallon and **SB4400** at ½ pint at V-2 to V-3 with 10 to 20 gallons water.

Side-Dress Nitrogen Application on Corn

Knife in per acre **3r Growth Boost** at ½ to 1 gallon with 15 gallons **eFISHnt 5-1-2** fish fertilizer dilution or other organic fertilizer to keep nitrogen from being lost to leaching, denitrification, and volatilization.

**SB4400 is a proprietary blend of enzymes and native microbes to stimulate healthy plant growth.*

***eFISHnt 5-1-2 is a concentrated fish fertilizer that provides extended release of nutrients for 12-15 weeks.*

**** dilution is made at the ratio of 10 gallons of eFISHnt 5-1-2 to 100 gallons of water.*

SoilBiotics Conventional Programs

In the Planter

Apply in furrow per acre **3 Growth Boost** at ½ to 1 gallon and **SB4400** at 1 pint with starter fertilizer to stabilize nutrients and promote healthy seedling growth.

Apply per acre **3 Growth Boost** at ½ to 1 gallon and **SB4400** at 1 pint 2x2 with 28 or 32 UAN to stabilize nitrogen and keep it from being lost to leaching, denitrification, and volatilization.

Post-Emergence Herbicide

Foliar apply per acre **5 MicroNutrient Boost** at 1 pint to 1 quart, **6 Growth Boost** at 1 pint to 1 quart, and **SB4400** at ½ pint with post-emergence herbicide applications to improve herbicide effectiveness and stimulate seedling growth.

Side-Dress Nitrogen Application on Corn

Knife in per acre **3 Growth Boost** at ½ to 1 gallon with side-dress 28 or 32 UAN to stabilize nitrogen and keep it from being lost to leaching, denitrification, and volatilization.

Impregnate Urea with **4 Ultra Boost** at 1 gallon per ton to maintain the availability of applied nitrogen for more effective crop uptake and utilization.

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