



Sod Farm Solutions

Sod production is a time value proposition. The faster and more cost effective a quality turf can be turned around for harvest is the true value to a sod producer. The challenge is to be able to push the turf effectively without affecting the quality of the sod and spending too much money on nutrients, weed killers, fungicides or insecticides.

3 Tier Technologies has developed several products and programs to assist the sod producer maximize their expenses while improving the efficiency of all nutrients and providing cost effective natural solutions for disease and insect management.

Insect Management:

3 Tier's insect management program is geared at the soil borne larvae type insect such as the grub, various worms (Not beneficial earthworms), beetles and other insects that pupate in the soil. The strength of the program is the ability to stop the life cycle and create an environment that is antagonistic to the development of larvae type insects. The following is the recommended applications for insect management:

Field Treatment: Apply 1/2 gallon per acre of Huma-Balance XL w/Bio-Cat Booster in a minimum of 10 to 30 gallons of water once a month throughout the growing season. For best results, apply just prior to rain or irrigation. For fields with high salts, low pH, or heavy compaction, use Huma-Cal Plus XL w/Bio-Cat Booster instead of Huma-Balance XL.

Though the primary target for this program is specific for grubs and other larvae type insects, Huma-Balance XL or Huma-Cal Plus XL have many other benefits that will add additional cost savings. The three primary additional benefits are:

- Increased disease management. University research has shown that this microbial blend has provided up to 85% disease resistance to common soil borne diseases like Fusarium, Anthracnose, Dollar Spot, Brown Patch and Fairy Ring to name a few.
- Increased nutrient efficiencies. A balanced microbial environment will increase nutrient conversion in the soil and improve nutrient delivery to the roots. The added humic acid content in the soil will also increase nutrient retention and reduce lock up of many nutrients from clay or soil salts. The primary result of this process is increased rooting for better establishment and more efficient harvesting.
- Improved water retention and usage. Humic acids are a natural wetting agent. Any water applied to humic treated soils has better retention of moisture and lower evaporation levels. Our treated turf generally shows fewer hot spots and recovers quicker after long periods of limited water.

For Specific Rates and Applications, Contact Daniel J Burdette
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Field Establishment:

3 Tier's field establishment program is designed to improve the speed and quantity of seed germination and provide greater root mass for greater nutrient uptake throughout the shorter grow-in time. Establishing a field with this program increases all other nutrient efficiencies and response.

Application Rates: Mix and apply Establish 5-16-12 @ 64 ounces per acre, Huma-Balance XL or Huma-Cal Plus XL (If you are on the XL Insect Management Program, use this as the monthly application) @ 1 gallon per acre. Apply to the bare soil immediately after seeding and irrigate as needed. This solution is most beneficial when it comes in direct contact with the seed. Products available in convenient pre-mix.

Foliar Applications:

3 Tier's nutrient products offer a unique delivery platform that delivers a higher percentage of valuable nutrients through the leaf and have shown that this process helps increase stronger and larger root mass development. Spoon feeding is best suited for our products with an occasional granular supplement for production growth.

Maintain 8-16-8: A general growth formula used during normal growth production of the plant.

Establish 5-16-12: Used for the establishment of new seed or fall winterization of mid-growth fields. Helps the plant through the winter and greens in the spring quicker.

Root & Groom 3-16-15: A terrific blend to be used 2 to 3 weeks prior to field harvest. This blend is ideal for hardening off the plant for cutting, increasing pallet life and increased rooting after installation. Root & Groom is also ideal for a companion product with growth regulators like Primo.

Growth 16-4-8: A balanced growth formula with a unique slow-release nitrogen source.

Nitro 21-0-0: A straight nitrogen formula for maximum growth with a unique slow-release nitrogen source with no burn potential. Ideal for summer applications for high growth and no burn.

Recommended foliar application rates for all formulas is 32 to 64 ounces per acre.

3 Tier encourages any and all questions. Let us help you design a program that will help you achieve your production goals. We also understand that all operators should use a variety of products to have the best production capabilities.

For more information about 3 Tier products or to locate a distributor near you, go to www.3tiertech.com or call 877-710-6953 extension 1.