

The Deployment Process: Step-by-Step

Tru-Growth

Application Instructions

1. Prepare the mixture by **calculating your target acreage** and dissolving the concentrated dry powder into your preferred watering system. **Apply at a standard rate of 1 lb per acre.** Ensure the water is free of heavy chemicals to protect the live microbial colony during mixing.
2. Set your equipment tips to optimize **uniform surface or root-zone coverage** (a fine to medium droplet spray pattern is highly effective for complete ground coverage).
3. Apply the mixture evenly over the target turf, crop rows, or soil area via liquid spray equipment, center pivot, or root-zone drenching.

The Process and Byproducts

The biological reaction taking place is driven by specialized, target-beneficial soil microbes. They aggressively colonize the rhizosphere (root zone), transforming organic matter and optimizing the soil environment.

The Resulting Byproducts:

- CBio-Available Nutrients: Legacy N-P-K (Nitrogen, Phosphorus, Potassium) previously bound tightly in the soil is unlocked and converted into plant-ready nutrition.
- Enhanced Microbial Bio-Shield: Creates a healthy biological infrastructure around the root system that naturally stimulates development, resulting in accelerated canopy growth.

• Inoculation and Activation

When you first deploy our product, the microbes are introduced directly into the soil structure. Once they make contact with moisture and the root zone, they "wake up" and immediately begin establishing a live biological colony.

The Enzyme Action:

They immediately begin breaking down raw soil organic matter and tightly bound mineral complexes into smaller, bio-available pieces that the plants can easily absorb.

• Moisture Retention & Drought Shield

This deep biological root colonization dramatically enhances root-zone moisture retention. By holding water tightly within the roots, it shields crops from drought stress, optimizes water efficiency, and allows growers to safely reduce overall irrigation frequency.

• Nutrient Sequestration

As the population explodes, the microbes pull vital macro and micro-nutrients out of the lock-bound soil matrix. Because they store these elements right at the root zone, nutrients stay with the crop rather than washing out into the water table.

• System Regeneration

This critical phase establishes a permanent, high-yielding biological soil infrastructure. A consistently treated agricultural system optimizes plant immunity, sustains robust canopy development, and achieves maximum crop yield efficiency naturally.

