

TECHNICAL DATA SHEET

WHAT IS TRUESOLUM?

TrueSolum® is an organic and proprietary, liquid soil amendment that is produced from the cultivation of *Chlorella* microalgae. This algae-free product contains useful metabolites that are expressed during the growth process of the microalgae.

HOW DOES TRUESOLUM WORK?

The metabolites in TrueSolum function as signalers to microbial communities in the soil causing changes in their diversity and abundance. Research shows that TrueSolum specifically activates *Bacillus sp.*, *Pseudomonas sp.*, *Pseudomonas Fluorescens*, Mycorrhizae, *Trichoderma sp.*, PGPR Bacteria, and *Azospirillum*. These microbial communities help make key nutrients available to the crop.

WHAT ARE THE KEY BENEFITS OF TRUESOLUM?

- Enriched nutrient and water uptake
- Enhanced plant and root growth
- Induced microbial growth associated with healthier crops
- Increased environmental stress tolerance
- Improved yield

HOW TO USE TRUESOLUM?

Application of TrueSolum will vary based on crop and geography. Please contact us to discuss your specific situation. General guidelines:

	Vegetables and Fruits	Fruit Trees
	Dosage & Period	
Soil Pre-Treatment*	2 quarts/acre	2 quarts/acre
During season	2 quarts/acre/week	2 quarts/acre/10 days
	Ideal Dilution Ratio (TrueSolum:Water)	
Soil Pre-Treatment	1:100	1:100
During season	1:250	1:300
	Application Methods	
Soil Pre-Treatment	100% Drip	100% Drip
During season	100% Drip	100% Drip

HOW TO STORE TRUESOLUM?

- Store in a cool, dry place
- Keep out of direct sunlight
- Product remains effective for 12 months from date of manufacture when stored properly.