

THE POWER OF POLYSORBYGEN™

Nutrient Technologies foliar nutrients provide more than just nutritional value. Our products are formulated with Polysorbygen™, a unique delivery system that enhances nutrient uptake, translocation, and utilization by the plant. Polysorbygen induces synergistic plant responses with the nutrients to increase plant vigor and improve crop quality for optimal yield. Polysorbygen safens the nutrients in TECH-FLO and TECH-SPRAY products for unsurpassed compatibility with most all agricultural chemicals including oil sprays and the newest pesticide and fungicide products.

POLYSORBYGEN

Polysorbygen is a multi-component system designed to enhance product performance and formulation stability. Each Nutrient Technologies product has a specific combination of proprietary chemistries matched to the unique nutrient compounds in the product to achieve maximum performance results. Polysorbygen performs many valuable functions - from the factory to the crop - to maximize the cost benefits to the growers .

THE NUTRIENTS

TECH-FLO products are made by chemically reacting ingredients to form unique nutrient compounds. They are then micronized to achieve maximum surface area coverage for improved uptake. They are designed to supply specific proportions and combinations of nutrients to achieve synergistic performance benefits for optimal crop nutrition.

TECH-SPRAY products are formulated from choice ingredients and enhanced by the properties of Polysorbygen.



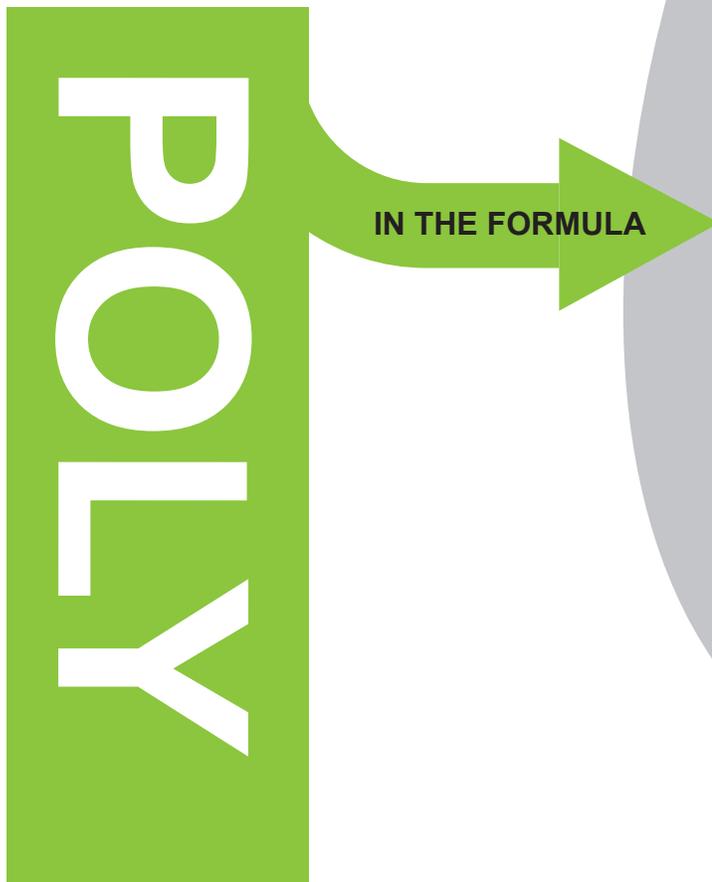
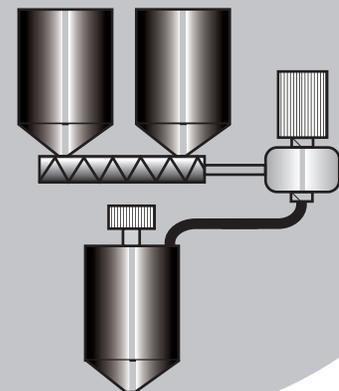
Dispersants to prevent agglomeration of particles into clumps and promote fluidity.

Thickeners to add body and viscosity.

Suspending agents to slow the rate of settling of the micronized particles in the containers.

Anti-microbial agents to prevent mold and bacterial growth in the products.

Anti-crystallization and **compatibility agents** to prevent unwanted reactions and improve product stability.



SORBYGEN

IN THE SPRAY TANK

- Emulsifiers** to promote homogeneity between water-soluble and oil-soluble components.
- Buffers** to keep pH in a near-neutral range to reduce risk of phytotoxicity and promote pesticide compatibility.
- Suspending agents** to slow the rate of settling of the micronized particles in the spray tanks.
- Antifoam agents** to reduce foaming in the spray tank.



ON THE FOLIAGE

- Surfactants** to lower surface tension to wet the foliage better.
- Humectants** to keep the leaf surface moist for better nutrient absorption.
- Penetrants** to aid absorption through the cuticle and assist translocation in the plant.
- Adjuvants** to improve sticking properties on the foliage.



IN THE PLANT

- Translocation aids** to promote the movement of the nutrients throughout the plant structure and fruit.

