



PureAg[™]
Foliar Feeder
Surfactant/Emulsifier

ORGANIC SUSTAINABLE SOLUTIONS THROUGH GREEN CHEMISTRY



*PureAg Pest Control
embodies the essence of
nano-technology through
colloidal micelles.*

PureAg Foliar Feeder stimulates both new growth and development. It does this when it is applied to bare root stock before planting, or by saturating the root structure when in place. The nano-colloidal solution in PureAg Foliar Feeder dissolves nutrient from the roots, thereby enhancing uptake into the plant. Nutrient uptake is expedited from the inclusion of sodium within our nano-colloidal formulation.



Sodium is a cation, meaning an atom or group of atoms carrying a positive electron charge. The positive charge occurs because there are more protons than electrons in the cation. The negatively charged anions are attracted to the positive sodium

cation. They attach themselves and hitch a ride into the plant. In other words, nano-colloidal solutions are sodium transporters conveying nourishment directly into the plant. The reason for this improved nutrient effect is the minuscule size of the molecules, which allows them to enter the plant cells (in the leaves). This is where the sugar factory is located. When the molecules enter the plant,



it causes a maximized increase in photosynthesis, which is the basis for the starches, cellulose, waxes, carbohydrates, oils, and protein that are the building blocks for all plant growth.

An equally powerful stimulant to plant growth occurs when nutrition is provided directly to the leaves, through the stomates. When the ambient air temperature falls below that of the ground temperature, the stomates will open and make themselves more susceptible and amenable to the uptake of fluids and nourishment.

Due to the small nano-sized (1-4 nm) particles that comprise nano-colloidal technology, the foliar feeder is able to easily enter the stomates of the leaves where the beneficial effect can be more directly accepted by the plant. In order to maximize the nutritional boost provided by the spraying of nano-colloidal solutions, the leaves must be drenched from above and below.

When PureAg Foliar Feeder is used in conjunction with pesticides and fertilizers, it improves their delivery and potency. The pesticide dissolves more easily in water, thereby simplifying application to crops. The pesticide/fertilizer

becomes more stable and the pesticide is optimized. Due to the fact that PureAg Foliar Feeder is a powerful degreaser, agricultural growers have found it to be effective in dissolving and cleaning caked-on residues on lines, nozzles and emitters.

In addition to being far less costly to use, PureAg Foliar Feeder offers a large number of other economic benefits to the grower. They are highlighted below:

- **Enhances plant root growth and nourishment by breaking the surface tension of water for deeper and more rapid soil penetration.**
- **Eliminates loss of new growth in greenhouses**

- **from damping off.**
- **Increases starter plant growth by 100% to 400% over a 3-month period**
- **Strengthens plants, resulting in stronger blooms and much better resistance to insects and fungus**
- **Reported increases in product yields of over 100%**
- **Self cleans equipment, spray tanks, applicators and nozzles**
- **Reduces equipment maintenance costs**
- **Perhaps the most important benefit of all is increased productivity, in a chemical free environment.**

PureAg uses a proprietary process where plant-based ingredients are mechanically sheared, then chemically reacted to produce a two nano-meter sized micelle. All ingredients meet the criteria for the US EPA Design for the Environment Program. No ingredient appears on the CEPA DSL, or California proposition 65. Formulas and products have been third party reviewed by NSF which replaces the USDA and operates under the auspices of the World Health Organization.



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