SymAgro

FRAC Group M01 | MOA Multi-Site



INSTILL-O

BACTERICIDE AND FUNGICIDE ORGANIC

COPPER THAT WORKS FROM THE INSIDE OUT

INSIDE-OUT PROTECTION FOR BETTER DISEASE CONTROL

Patented double-chelated technology delivers contact + systemic activity by rapidly moving copper into plant tissue and throughout the plant.

Unlike conventional copper that remains primarily on the plant surface, INSTILL-O moves copper into treated plant tissue and throughout the plant for effective inside-out disease protection, excellent rainfastness and exceptional crop safety while reducing copper runoff to help preserve soil health.

BROAD SPECTRUM BACTERICIDE & FUNGICIDE

- Downy Mildew
- Botrytis
- Powdery Mildew
- Alternaria
- Phomopsis
- Scab
- Fire Blight
- Walnut Blight
- Bacterial Blast
- Bacterial Canker

FEATURES AND BENEFITS

Achieve Better Disease Control

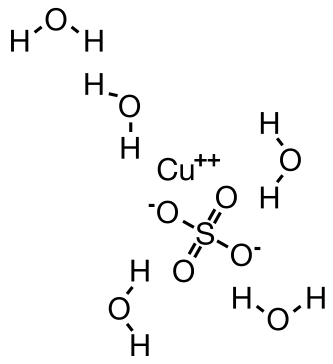
- ✓ Inside-out protection against a broad-spectrum of fungal and bacterial diseases
- ✓ Rainfast protection within approximately 3 hours due to rapid absorption
- ✓ Up to 21 days of residual control helps protect developing new growth
- ✓ Multi-site activity supports integrated disease and resistance management programs
- ✓ Provides excellent crop safety throughout the growing season
- ✓ Offers flexible delayed dormant and labeled in-season application options
- ✓ Requires significantly less copper, reducing mixing, loading and spray-tank turnaround times
- ✓ Mixes easily, even in cold water, and remains in solution without settling in tanks or plugging nozzles

Realize Exceptional Crop Safety

- ✓ Rapid absorption into treated plant tissue reduces copper on the plant surface, reducing phytotoxicity risk and leaving no visible residue
- ✓ Proven in greenhouse and ornamental production where crop safety is critical, from propagation through harvest.

SYSTEMIC | MRL EXEMPT | NO VISIBLE RESIDUE | TANK-MIX COMPATIBLE | 0-DAY PHI, 48 HR REI | LOW USE RATE | WEATHERPROOF

INSTILL-O ACTIVE INGREDIENT



COPPER SULFATE PENTAHYDRATE 21.27%

DOUBLE-CHELATED FORMULATION

INSTILL-O's patented double-chelation process transforms copper sulfate pentahydrate into a unique copper tannate/formate complex designed for controlled delivery into plant tissue. The formulation allows copper to be absorbed at a rate that supports effective uptake while minimizing phytotoxicity risk. This proprietary copper complex differentiates INSTILL-O from other copper products, including those with the same EPA-recognized active ingredient.

MODE OF ACTION

Copper releases positively charged copper ions (Cu+ and Cu2+) when applied to plant surfaces.

These ions interact with the cellular components of fungal & bacterial pathogens, leading to:

- Disruption of enzyme activity
- Interference with energy transport
- Damage to cell membranes

GROUP M1 FUNGICIDE

- **Multi-Site Activity:** Copper fungicides work by targeting multiple sites within the fungal cells, making it difficult for fungi to develop resistance.
- **Low Risk for Resistance:** Due to their mode of action, the likelihood of fungi developing resistance to copper is significantly reduced.

THE INSTILL-O DIFFERENCE

INSTILL-O BACTERICIDE AND FUNGICIDE ORGANIC	STANDARD COPPER FUNGICIDES
Double-Chelated Copper Moves into Plant Tissue	Higher Metallic Copper Required
Inside-Out Protection: Contact + Systemic Activity	
Rainfast Within Hours	Copper Remains on Plant Surface
Helps Protect Developing New Growth	
Up to 21 Days of Protection	Greater Exposure to Weathering, Residue & Phytotoxicity Risks
Better Disease Control	
Greater Application Flexibility	Copper Can Accumulate in Soil, Impacting Soil Health
Reduced Copper Runoff Helps Preserve Soil Health	

RECOMMENDED USAGE AND RATES

INSTILL-O can be used for delayed dormant and labeled in-season applications.

Typical use rate: 20–64 fl. oz./acre, depending on crop and disease pressure

TANK-MIX COMPATIBILITY

Compatible with many crop protection products when applied with a lower-pH (5.5–6.5) spray solution. As a solution, not a suspension, it mixes easily, even in cold water, and remains in solution without settling in spray tanks or plugging nozzles.

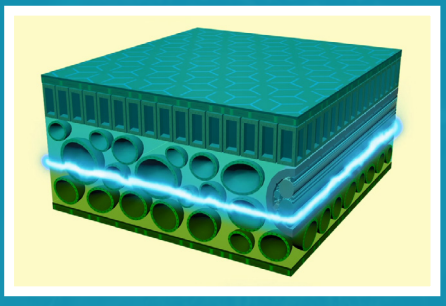
IN SEASON CROP SAFE COPPER

Can be used safely throughout the growing season.

GAIN GREATER APPLICATION EFFICIENCY

- Requires significantly less copper, reducing mixing, loading and spray-tank turnaround times.
- Mixes easily, even in cold water, and remains in solution without settling in tanks or plugging nozzles.
- Compatible with many crop protection products when applied with a lower-pH (5.5–6.5) spray solution.
- Rapid absorption and extended residual activity may provide opportunities to reduce rates in sequential applications as crops grow and disease pressure changes.
- Manufactured in the United States to help ensure dependable domestic supply.

ABSORBED THROUGH LEAVES AND ROOT



LEARN MORE AT SYM-AGRO.COM

Important: Always read and follow label instructions.

©2027 Sym-Agro®, Inc. All rights reserved.

OMRI LISTED For Organic Use