SymAgro

IRAC UNE* | FRAC Group BM03 | MOA Multi-Site



CINNERATE®

FUNGICIDE MITICIDE INSECTICIDE

CINNERGY IN THE FIELD STARTS HERE

SECURE THIS SEASON AND BEYOND

Cinnerate® is the right pest management tool to protect from diseases, mites, and insects and produce a high-quality crop.

TARGET DISEASES — BROAD SPECTRUM PREVENTATIVE AND CURATIVE

TARGET FUTURE PESTS — MANAGE PESTS BEFORE THEY BECOME A PROBLEM

SUPPORTS BIOCONTROL — CONSERVE BENEFICIAL PREDATORS TO REDUCE FUTURE PEST OUTBREAKS

FOR USE ON ALL CROPS

DISEASES	PESTS
Powdery mildew	Mites
Botrytis	Aphids
Monilinia	Pear psylla
Rust	Scale
Fire blight	Leaf hopper
Rhizopus	Flies/White flies
Mucor	Mealybugs
Downy mildew	Fruit fly
Alternaria	Thrips
Blue and green mold	Armyworms/Caterpillars

KEY FEATURES AND BENEFITS

- ✓ Broad spectrum fungicide/bactericide targets multiple life stages
- ✓ Powerful contact, curative, and preventative action stops disease
- ✓ Fast knockdown results with multiple modes of action
- ✓ Early season mite, insect and lepidoptera control - targeting all life stages including ovicidal activity
- ✓ Stand alone or convenient tank mix partner with conventional pesticides
- ✓ As part of your biocontrol system, it can reduce the cost of mite and insect control year-over-year
- ✓ Proven crop safe for 15 years, and leaves no visible residue

CURATIVE AND PREVENTATIVE

MRL EXEMPT

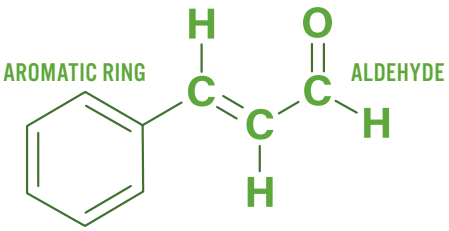
0-HOUR REI AND 0-DAY PHI

TANK-MIX COMPATIBLE

BENEFICIAL PREDATOR SAFE

POLLINATOR SAFE

CINNERATE® ACTIVE INGREDIENT



BIOCHEMICAL

DISTILLED CINNAMON OIL
98% PURITY = 98% CINNAMALDEHYDE

Cinnamaldehyde is the most active chemical constituent of cinnamon oil. It is also an organic compound, a phenylpropanoid, and a naturally occurring flavonoid that delivers reliable biochemical performance.

STOPS DISEASE ON CONTACT AND DISRUPTS MULTIPLE LIFE CYCLES

DISEASE CONTROL IS OBTAINED WITHIN 30 MINUTES OF APPLICATION

Cinnerate's® multi-site mode of action makes it a superior disease management solution. Unlike other products that may promise multi-pest activity, 15+ years of success in the field prove Cinnerate® is a valuable management tool to efficiently and reliably produce clean, high-quality crops.

MODE OF ACTION - CONTACT AND FUMING ACTIVITY

	FUNGAL **Contact Preventative and Curative**	BACTERIA **Contact Preventative and Curative**	MITICIDE / INSECTICIDE **Contact All Life Stages + Ovicide**
ACTION	Attacks the cell wall and cell membrane Disrupts fungal cell function causing cellular damages and irreversible morphological changes	Disruption of cell wall leading to cell leakage Significant antibiofilm activity against pre-formed biofilms and the formation of biofilms Anti-Quorum sensing activity	High lipophilicity optimizes penetration into target pest Softens exoskeleton leading to desiccation Ovicide - Volatiles diffuse into eggs
FUNCTION	Leads to cell leakage and death Inhibits the formation of germ tubes and stops mycelial growth Inhibits chitin synthesis/ Prevents cell division	Prevents cell division Leads to cell leakage and death Causes cells to grow without dividing	Inhalation leads to insect respiratory malfunction Glucose metabolism interference Reduced hatch Reduced survivability

FREE OF OIL LIMITATIONS

Cinnamon oil is not a "true oil" and does not have limitations associated with agricultural spray oils. There is no wait period for copper. Cinnerate® is tank mix compatible with sulfur and does not contribute to plant "oil loading" or residue.

15 YEARS OF PROVEN PERFORMANCE BASED ON 150+ TRIALS

PROTECT BIOCONTROL

Cinnerate® is IPM compatible, and there are no chronic effects towards any predators. For newly released predators allow 5-7 days of acclimation before applying Cinnerate®

PRESERVE BENEFICIAL PREDATORS TO REDUCE FUTURE PEST OUTBREAKS

*see complete list on our website

Bumble bee	Parasitic wasp
Green lacewing	Lady bug
Predatory midge	Leafminer parasite
Hoverfly	Predatory mirid bug
Whitefly parasite	Minute pirate bugs

RECOMMENDED USAGE AND RATES

DIRECTIONS FOR USE:

FUNGAL AND BACTERIAL DISEASE

- 32 oz / 100 gal
- Spray interval recommended 5-10 days, depending on disease pressure

MITES, INSECTS, SCALE

- 32-45 oz / 100 gal (early season, smaller pest)
- 45-64 oz / 100 gal (mid/late season, larger pest)
- For high populations sequential treatments are advised

IN-SEASON TANK MIX:

Take your tank mix to the max. Cinnerate® allows you to expand the scope of diseases controlled in a single application for enhanced performance and better prevention with your existing pest control program including:

- **CONVENTIONAL FUNGICIDES:** contact curative and extended control
- **CONVENTIONAL MITICIDES:** ovicide + rapid knock down to stop feeding + extend control
- **OILS:** improve disease range and different mode of action

EARLY SEASON APPLICATIONS:

- Complete disease sanitation
- Reduce insect and mite pests while allowing beneficial predators to catch up with unwanted pests. Best results are achieved when applications start pre-threshold
- Lower cost due to V/V use rate and lower spray solution on a smaller canopy
- Get ahead of egg production; better kill on soft body juveniles

PRE-HARVEST SANITATION:

Cinnerate® is an excellent broad-range fungicide to reduce post-harvest rot and losses

LEARN MORE AT SYM-AGRO.COM

Important: Always read and follow label instructions.
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OMRI LISTED For Organic Use