

NEW YORK STATE INTEGRATED PEST MANAGEMENT *Biopesticide Profile*

Contains WG*

Active ingredient

Paraconiothyrium minitans strain
CON/M/91-08 (alive)

This information is not meant to be a substitute for reading the label. Always read and follow all pesticide labels. Ensure the pesticide is currently registered in your state.

PRODUCT

Formulations: NA

Pests: Plant diseases

FRAC Code (Fungicide Resistance Action Committee): BM 02

Mode of Action (see next page): Eat

APPLICATION

Where to apply: Agricultural, greenhouse, nursery; Soil

When to start applying: Outside, apply to soil (or crop residue) in fall 1-3 days (label may have stricter incorporation requirement) before incorporating into top 2" of soil OR before 0.5-1" rain/irrigation. Spring application is also possible, but 90 days required to destroy sclerotia. See label for more details, including greenhouse/nursery application.

How to apply: Just prior to rain or irrigation

Tank mix & application compatibility: Do not tank mix with fungicides (or use within 7 days of application); do not tank mix with fertilizers; tank mix compatible with many herbicides (check with supplier/ manufacturer); when tank mixing with herbicides, do not allow to sit in the tank > 4 hrs

ENVIRONMENT

Temperature tolerance in field: Preferred soil temperature: 59- 77 °F (tolerates 41-86 °F); sufficient soil moisture essential

Rainfastness: NA; rain can help move spores into soil after application

UV tolerance: Sensitive to UV light and drying out; incorporate into sufficiently moist soil

STORAGE

How to store: Cool dry place, at or below 39 °F; apply as soon after delivery as possible, or store frozen

Shelf life: 2 years if stored <39 °F

RISK

Signal word: Caution

REI (Restricted-entry interval): 4 hrs

PHI (Pre-harvest interval): Up to day of harvest.

Impacts on beneficial insects: No known toxicity concerns for bees or other insects; testing requirement waived by EPA because the fungus has only ever been reported as a pathogen of fungi

* name may change to LalStop Contans WG in the future

**Cornell
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IPM New York State
Integrated Pest Management
Program

About biopesticides

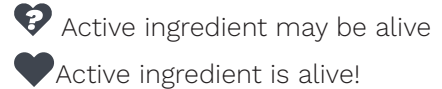
About biopesticides





















USING BIOPESTICIDES

- Apply preventatively.
- Use as part of an IPM strategy, including cultural management practices, other pesticides, etc.
- Mix only what you need; don't leave in spray tank overnight.
- Don't expose to excessive heat in storage.
- When tank mixing, follow label instructions for all products. Check with company rep or distributor if you have questions. Do a "jar test" to determine physical compatibility if you want to mix two products for which you cannot find information on their compatibility.
- Proper cleaning of spray tanks after any pesticide application is always important. Pay special attention to tank cleaning when a biopesticide is applied after another incompatible product.

HOW BIOPESTICIDES WORK

Modes of action (MOAs)



Eat	Live microbe grows on/in pest	 	
Poison	Biopesticide (or its products) kills the pest directly	 	
Keep out	Live microbe grows on plant, leaving no room for pests		
Turn on resistance	Turns on the plant's defenses before pest attacks		
Grow strong plants	Makes plant stronger, healthier, more resilient		
Repel	Pest avoids plants treated with biopesticide		
Stop feeding	Stops pest from feeding; pest eventually starves		
Stop growth	Stops pest from growing or molting; pest eventually dies		
Stop reproduction	Hampers pests' ability to find a mate, lay eggs		

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NYS Department of Agriculture & Markets



LEARN MORE

Efficacy of biopesticides

go.nysipm.org/biopesticide-efficacy

Biocontrol Bytes blog

blogs.cornell.edu/biocontrolbytes/

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