



BROAD SPECTRUM GREENHOUSE PEST MANAGEMENT

LALGUARD M52 OD (formerly Met52) is an effective and versatile **bioinsecticide for foliar and soil pest management**. Composed of spores of the fungus *Metarhizium brunneum* strain F52 (formerly *Metarhizium anisopliae*), this bioinsecticide provides proven pest control efficacy with minimum impact to applicators, non-targets, and the surrounding environment.

LALGUARD M52 OD offers growers **proven efficacy** against **the most destructive pests** infesting greenhouses, which include:

- ✓ Whiteflies
- ✓ Mites
- ✓ Thrips
- ✓ Aphids

Refer to the product label for the complete list of pests.

ADVANTAGES

- **Broad spectrum** control
- No known risks for resistance
- **Compatible with IPM programs** using beneficial insects
- Tolerance exempt

MODES OF ACTION

LALGUARD M52 OD causes the insect to die in 3 to 7 days after application. When in contact with the pest, spores of the active ingredient:

- Adhere to the insect's body
- Germinate and penetrate the insect cuticle (3 to 4 hours)
- Colonize and kill the insect

*Only in US states where legally permitted. Contact your Lallemand representative for more information.

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CHARACTERISTICS

EPA Reg. No. 64137-33

Active Ingredient
Metarhizium brunneum strain F52

Package Sizes
34 fl oz and 8 fl oz

Storage information
12 month shelf-life in a dry and cool place ≤68°F (20°C). 18 months at 40°F (4°C).

4-hour REI drench, dip and foliar applications

0-hour REI soil incorporated

0-day PHI

Always read and follow label instructions.

RECOMMENDED CROPS



Greenhouse
Fruit & Vegetables



Greenhouse
Cannabis*

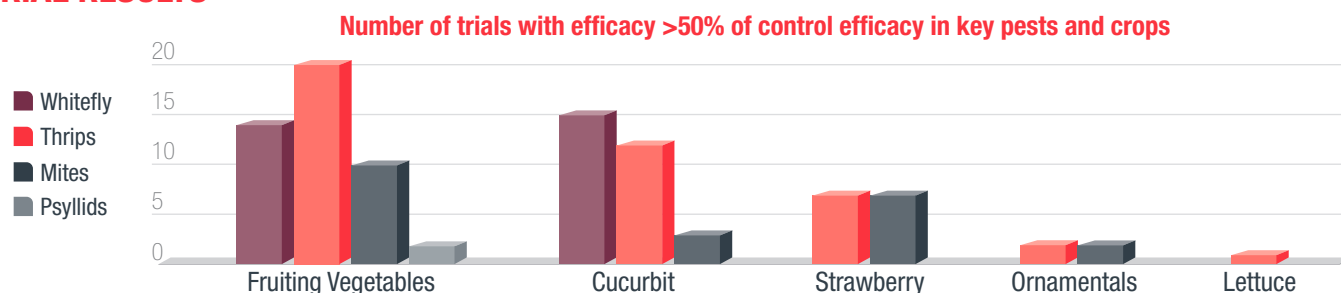


Greenhouse
Ornamentals

About Lallemand Plant Care




For over 100 years, Lallemand has been an expert in yeast and bacteria manufacturing. It is now a global leader in the development, production, and marketing of microorganisms for various industries. Using sound science and know-how, Lallemand Plant Care provides effective microbial-based solutions that deliver agronomic, economic, and sustainable value to growers.

TRIAL RESULTS



PRODUCT USE RECOMMENDATIONS

LALGUARD M52 OD can be applied preventively and as a rotational tool.

CROP GROWTH STAGE		PEST OCCURANCE	HOW TO INCORPORATE	BENEFITS
PREVENTIVE	Early crop season	 First pest appearance	Start the crop season with LALGUARD M52 OD applications, 2 to 7 day intervals.	Delays increase of pest infestation.
	Advanced crop season	 Pest population outburst	Rotate LALGUARD M52 OD with conventional products to knockdown pest populations.	Reduces risk of resistance.
ROTATIONAL	Harvest time	 Pest management	Rotate LALGUARD M52 OD with conventional products.	Tolerance exemption reduces residues in harvested crops.

APPLICATION RATES

CROP	PEST	APPLICATION	RECOMMENDED CONCENTRATION	LABEL RATE
Cucurbits	Thrips, Whiteflies, Mites	Drench	60 fl oz / 100 gal	40–80 fl oz / 100 gal
		Foliar	20 fl oz / 100 gal	8–64 fl oz / acre
Celery, lettuce, spinach	Thrips, Whiteflies, Mites, Aphids, Psyllids	Drench	60 fl oz / 100 gal	40–80 fl oz / 100 gal
		Foliar	20 fl oz / 100 gal	8–64 fl oz / acre
Peppers, tomatoes	Thrips ¹ , Whiteflies, Mites, Aphids, Psyllids	Drench	60 fl oz / 100 gal	40–80 fl oz / 100 gal
		Foliar	20 fl oz / 100 gal	8–64 fl. oz. / acre
Strawberry, cranberry, raspberry, blackberry, blueberry	Thrips, Whiteflies, Mites, Aphids, Psyllids, Weevils	Drench	60 fl oz / 100 gal	40–80 fl. oz. / 100 gal
		Foliar	20 fl oz / 100 gal	8–64 fl. oz. / acre
Ornamental plants and grasses	Thrips, Mites, Whiteflies, Weevils	Drench	60 fl oz / 100 gal	40–80 fl. oz. / 100 gal
		Foliar	20 fl oz / 100 gal	8–32 fl. oz. / 100 gal