

BROAD SPECTRUM GREENHOUSE PEST MANAGEMENT

Greenhouse



LALGUARD M52 GR (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 GR offers growers and landscape professionals **proven efficacy** against **the most destructive** pests infesting greenhouse and nursery crops, which include:

- ✓ **Black Vine Weevil**
- ✓ **Thrips pupae**

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 GR causes the target 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

CHARACTERISTICS

EPA Reg. No. 64137-31

Active Ingredient

Metarhizium brunneum strain F52

Package Size

22 lbs

Storage information

12 month shelf-life in a cool, dry place $\leq 73^{\circ}\text{F}$ (23°C). 18 months at 40°F (4°C).

0-hour REI soil incorporated

12-hour REI broadcast / top dressed

0-day PHI

Always read and follow label instructions.

RECOMMENDED CROPS



Greenhouse Berry
Fruits & Strawberry



Greenhouse
Leafy Vegetables



Greenhouse
Ornamentals

PRODUCT USE RECOMMENDATIONS

Apply LALGUARD M52 GR prior to or during planting by thoroughly mixing the product into the growing medium, ensuring even distribution.

APPLICATION RATES

CROP	PEST	APPLICATION	RATE
Celery, lettuce, spinach	Thrips pupae	Growing medium/ soil incorporation	1.5 - 3.0 lb/yd ³
Peppers, tomatoes	Thrips pupae	Growing medium/ soil incorporation	1.5 - 3.0 lb/yd ³
Strawberry, cranberry, raspberry, and blackberry	Thrips pupae, Vine Weevils (larvae)	Growing medium/ soil incorporation	1.5 - 3.0 lb/yd ³
Ornamental plants and grasses	Thrips pupae, Vine Weevils (larvae)	Growing medium/ soil incorporation	1.5 - 3.0 lb/yd ³

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.