

## BROAD SPECTRUM PEST CONTROL

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, and lawns, which include:

- ✓ Black Vine Weevil
- ✓ Thrips pupae
- ✓ Ticks

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**  
6 month shelf-life in a cool,  
dry place ≤73°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



Berry Fruits  
and Strawberry



Turf



Leafy Vegetables



Grapes



Ornamentals



Onions



## 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
Onions	Thrips pupae	Growing medium/ soil incorporation	1.5 - 3.0 lb/yd <sup>3</sup>
Celery, lettuce, spinach	Thrips pupae	Growing medium/ soil incorporation	1.5 - 3.0 lb/yd <sup>3</sup>
Peppers, tomatoes	Thrips pupae	Growing medium/ soil incorporation	1.5 - 3.0 lb/yd <sup>3</sup>
Grape, strawberry, cranberry, raspberry, blackberry	Thrips pupae, Vine Weevils (larvae)	Growing medium/ soil incorporation	1.5 - 3.0 lb/yd <sup>3</sup>
Ornamental plants and grasses: shrubs, vines, trees, bedding plants, etc.	Thrips pupae, Vine Weevils (larvae)	Growing medium/ soil incorporation	1.5 - 3.0 lb/yd <sup>3</sup>
Turf: institutional, residential lawns (urban and suburban)	Ticks	Broadcast	1.0 - 3.0 lb/1000 ft <sup>2</sup>

### About Lallemand Plant Care

Since the beginning of the 20th Century, LALLEMAND has been an expert in yeast and bacteria manufacturing. The family-owned company is now a global leader in the development, production, and marketing of microorganisms for various agri-food industries. Using sound science and know-how, LALLEMAND PLANT CARE (LPC) works closely with clients to deliver the right technology, in the right formulation, for the right application. LPC is committed to solving grower challenges, significantly improving yield and crop vitality.

**Microbial By Nature**

[www.lallemandplantcare.com](http://www.lallemandplantcare.com)



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