



## BROAD SPECTRUM GREENHOUSE PEST MANAGEMENT

### Greenhouse



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, 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 greenhouse crops, which include:

- ✓ **Whiteflies**
- ✓ **Spider 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
- MRL (Maximum Residue Limit) 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

### CHARACTERISTICS

**Registration Number:** 30829

**Active Ingredient**

*Metarhizium brunneum* strain F52

**Package Size**

1 L

**Storage information**

Store closed product in a cool dry place at 20°C. Use product by expiry date noted on the label.

**0-hour REI**

(except 4-hour REI for foliar applications on cannabis)

**0-day PHI**

**Always read and follow label instructions.**

### RECOMMENDED CROPS



Greenhouse  
Fruit & Vegetables



Greenhouse  
Cannabis



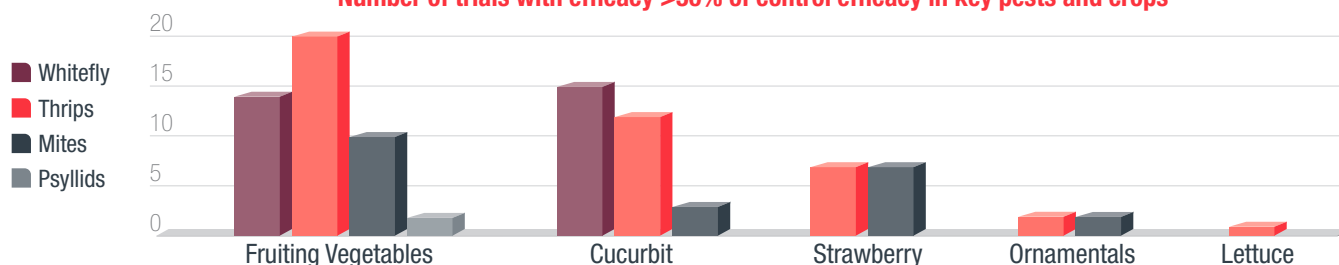
Greenhouse  
Ornamentals

### 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.




## TRIAL RESULTS

Number of trials with efficacy >50% of control efficacy in key pests and crops



## PRODUCT USE RECOMMENDATIONS

LALGUARD M52 OD may be used for foliar and drench applications against labelled pests. It is best to begin applying LALGUARD M52 OD at early stages of population development.

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.	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.	MRL (Maximum Residue Limit) exemption reduces residues in harvested crops.

## APPLICATION RATES

CROP	PEST	APPLICATION	RATE
PRODUCED COMMERCIALY INDOOR	Zucchini	Reduces numbers of thrips	Foliar* 0.5 – 5.0 L/1000 L
	Fruiting vegetables (tomato, pepper, eggplant), cucumber, lettuce.	Reduces number of mites, thrips and whiteflies	Foliar* 0.5 – 5.0 L/1000 L
		May reduce number of thrips	Drench** 108 mL/10 L
	Strawberry	Reduces numbers of thrips, spider mites, and whiteflies	Foliar* 0.5 – 5.0 L/1000 L
	Ornamentals excluding conifers	Reduces number of spider mites, thrips, whiteflies and aphids	Foliar* 0.5 – 5.0 L/1000 L
	Cannabis	Reduces number of mites, thrips and whiteflies	Foliar* 0.5 – 5.0 L/1000 L
May reduce number of thrips		Drench** 108 mL/10 L	

\*Spray to wet all foliage, but avoid runoff. Do not apply through a thermal fogger.

\*\*Should be thoroughly watered-in without causing water to come out of the bottom of the growing containers/grow bags.