



BEST-USE PRACTICES GUIDE

Greenhouse



When used properly, LALGUARD M52 OD can be an effective tool against Spider Mites, Thrips, Whiteflies and Aphids on approved greenhouse vegetable and ornamental crops. Please follow the recommendations and precautions in this guide to promote the effective and safe application of LALGUARD M52 OD on labelled greenhouse crops.

RECOMMENDED APPLICATION CONCENTRATIONS

Apply LALGUARD M52 OD at the **Recommended Concentrations** provided in the table below according to its approved crop and pest uses. It is imperative to consult your Lallemand Plant Care representative **before** using label rates that are higher or lower than the recommended concentrations indicated in the table below.

GREENHOUSE CROP	PEST USE	APPLICATION METHOD	RECOMMENDED CONCENTRATION
Fruiting vegetables (tomato, pepper, eggplant), cucumber, lettuce.	Reduces numbers of mites, thrips and whiteflies	Foliar Spray	1.5 L/ 1000 L
	May reduce number of thrips	Drench	108 mL/10 L
Zucchini	Reduces numbers of thrips	Foliar Spray	1.5 L/ 1000 L
Strawberry	Reduces numbers of thrips, spider mites, and whiteflies	Foliar Spray	1.5 L/ 1000 L
Ornamentals, excluding conifers	Reduces numbers of spider mites, thrips, whiteflies and aphids	Foliar Spray	1.5 L/ 1000 L
Cannabis	Reduces numbers of mites, thrips and whiteflies	Foliar Spray	1.5 L/ 1000 L
	May reduce number of thrips	Drench	108 mL/10 L

APPLICATION CONSIDERATIONS AND PRECAUTIONS:

- It is best to begin applying LALGUARD M52 OD when pest populations are low followed by reapplication at 5-10-day intervals, depending on timing of target pests' life cycles and the severity of the infestation. For best efficacy against aerial pests, assure that spray coverage is complete on the plant parts where target pests are especially prevalent.
- Apply foliar sprays through standard and LV greenhouse sprayers using a fine droplet size or smaller. DO NOT apply through thermal foggers. Spray to wet all aerial plant surfaces but *avoid runoff*.
- Drenches should be irrigated with enough water to move LALGUARD M52 OD spores into the upper 15 cm of growing medium but not enough to drain through.
- LALGUARD M52 OD can be applied through filters or screens with openings $\geq 125 \mu\text{m}$ (120 mesh) and at system pressures up to 200 psi.
- LALGUARD M52 OD has not been tested on all varieties of listed crops. Apply LALGUARD M52 OD at recommended concentrations up to 3 times on a small number of plants to test for potential damage before applying to a larger number of plants.
- Apply foliar sprays when temperature is 15 – 32 °C, relative humidity is 50 – 90% in and around the plant canopy and spray droplets will dry and evaporate in 1 – 2 hours. DO NOT apply when evaporation times will be longer and during periods of intense overhead sun exposure.
- Horticultural oils contained in LALGUARD M52 OD and other products may interfere with or delay plant transpiration and respiration when applied on compromised plants. DO NOT apply on stressed plants, especially during periods of drought or when plants exhibit moisture stress.
- DO NOT apply on crops which have been or will be treated with foliar sulfur applications.
- DO NOT allow direct spray or over spray of LALGUARD M52 OD to contact heating components in or directly adjacent to the plant canopy during application unless these heating components are $< 35 \text{ }^\circ\text{C}$ at time of application and until spray has completely dried on plant surfaces.
- Avoid applications when pollinators are foraging. Apply at least 1 day prior to releases of macrobeneficials and remove or protect banker plants during foliar applications.
- Please consult your Lallemand Plant Care representative or LALGUARD M52 OD compatibility tables for more information about compatible application timing of LALGUARD M52 OD with other products and macrobeneficials.

MIXING INSTRUCTIONS AND PRECAUTIONS

- Only mix and apply LALGUARD M52 OD in containers and application equipment (including tanks, tubing, booms, filters and nozzles) that have been washed, rinsed and made free from residues and debris from prior uses.
- Spray preparation:
 - Shake LALGUARD M52 OD container well before using.
 - Fill spray or drench tank with water to 1/2 the desired application volume and begin thorough agitation. Continue agitation throughout mixing and application to build and maintain a homogenous mixture.
 - Slowly add LALGUARD M52 OD to the tank at the recommended volume corresponding to desired application volume. Triple rinse empty LALGUARD M52 OD container with water and add rinse water to mixture. Add enough water to application tank to reach desired application volume.
- Do not mix more LALGUARD M52 OD than can be applied within 6 hours of mixing.
- Do not tank mix LALGUARD M52 OD with other products, including fungicides, pesticides, growth regulators, disinfectants, cleaning agents and adjuvants.

**For additional support, contact your Lallemand Plant Care representative,
e-mail support@lallemandplantcare.com, or call, toll-free, 1-888-236-7378.**