



Long-Lasting Root Zone Protection for Container-Grown Ornamentals

What is Talstar® Nursery Granular?

Talstar Nursery Granular insecticide provides long-lasting control of key soil-dwelling pests in containerized nursery stock and ornamental production. Powered by bifenthrin (0.2%), Talstar Nursery Granular insecticide protects roots from destructive insect larvae by incorporating directly into potting media before planting.

Talstar Nursery Granular insecticide is approved under the USDA Plant Protection Imported Fire Ant Quarantine Certification Program when used according to USDA guidelines.

How Does It Work?

Talstar Nursery Granular contains bifenthrin, a pyrethroid insecticide that affects the insect nervous system through contact and ingestion, resulting in rapid paralysis and death of susceptible pests.

Once uniformly incorporated into potting media, bifenthrin creates a protective zone around plant roots where damaging larvae and other soil-inhabiting pests are exposed as they feed and develop.

Talstar Nursery Granular insecticide provides preventative protection throughout the production cycle and supports an integrated insect management program by preventing spread of exotic invasive pests, and helping reduce damaging pest populations before economic injury occurs.

IRAC Code: 3A

REI: 12 hr

Product Attributes:

- Long-lasting, preventative root zone protection against root-feeding pests
- Uniform incorporation into potting media
- Approved for **USDA Imported Fire Ant Quarantine Certification Program**
- Ideal for container-grown nursery stock and ornamentals

Effective against a wide range of greenhouse and nursery pests, including:

- Fungus gnat larvae
- Root aphids and mealybugs
- Black vine weevil larvae
- Root weevil larvae
- White grubs
- Japanese beetle larvae
- Oriental beetle larvae
- European chafer larvae

Use Sites: Containerized ornamental trees, shrubs, and flowering plants, Christmas trees, non-bearing fruit and nut trees, nursery stock grown in containers, container-grown herbs (per label)

Personal Protective Equipment (PPE): Long-sleeved shirt and long pants, waterproof gloves, shoes and socks



Build Protection Into Every Container.

Designed specifically for containerized nursery production, Talstar® Nursery Granular insecticide provides convenient, preventative insect control by becoming part of the growing media. This approach places protection where damaging larvae develop and feed, helping maintain healthy root systems and marketable plant quality throughout production.

Talstar Nursery Granular insecticide can be incorporated into potting media prior to planting and may be premixed with sand to improve uniform distribution throughout the media profile.

Application guidelines

Imported Fire Ant Quarantine Certification Programs

Table 1. Talstar Nursery Granular insecticide is approved under the USDA Plant Protection Imported Fire Ant Quarantine Certification program when used in accordance with USDA guidelines. Use the recommended application rates given in the table below to determine the length of control required for certification. Incorporate appropriate amount of Talstar Nursery Granular insecticide in one cubic yard of potting media based on the known bulk density of the media.

Pest	USDA IFA Certification Period (mo)	App. Rate (ppm)	Potting Media Bulk Density* (lbs. Talstar Nursery Granular Insecticide/Cubic Yard)				
			200	300	400	500	600
Imported Fire Ant	0-6	10	1.0	1.5	2.0	2.5	3.0
	7-12	12	1.2	1.8	2.4	3.0	3.6
	13-24	15	1.5	2.25	3.0	3.75	4.5
	Continuous	25	2.5	3.75	5.0	6.25	7.5

General Ornamental Use

Table 2. Recommended use rates for common root-feeding pests Use higher labeled rates when extended residual control is desired.

Pest	App. Rate (ppm)	Potting Media Bulk Density* (lbs. Talstar Nursery Granular insecticide Per Cubic Yard)				
		200	300	400	500	600
Fungus gnat larvae	5	0.5	0.75	1.0	1.25	1.5
Mealybugs	10	1.0	1.5	2.0	2.5	3.0
Black vine weevil	10	1.0	1.5	2.0	2.5	3.0
Root weevil larvae	15	1.5	2.25	3.0	3.75	4.5
White grubs	15	1.5	2.25	3.0	3.75	4.5
Imported fire ants	25	2.5	3.75	5.0	6.25	7.5