



# Get Preventive *and* Curative Control of Grubs, Ants and Other Turf Insect Pests with Meridian® Insecticide

Meridian® insecticide is a proven leader for preventive and curative control of soil and foliar pests such as chinch bugs, ants, grubs and other surface feeders. Applied foliarly or as a soil application, it provides pest protection in a wide range of areas including lawns and landscape ornamentals such as bedding plants, trees and shrubs.

## Curative White Grub Control

The active ingredient in Meridian, *thiamethoxam*, moves systemically throughout plants to provide curative control of white grubs and to quickly prevent damage to turf. Additionally, Meridian is metabolized slowly in the leaf tissue for long-lasting control.

- When used as a curative treatment, Meridian should be watered in within 24 hours of application to move the product into the root zone.
- White grubs that contact or ingest Meridian are affected and mortality occurs quickly to prevent further turf damage.
- Meridian controls grubs through the second instar (July through August), reducing the need to purchase an additional and expensive curative product.
- The same curative grub application of Meridian is also effective on pyrethroid-resistant chinch bugs.

## Prevent More Pests with Less Effort

Meridian also provides preventive control for lawn care operators. **Even if there is no rain or irrigation for up to seven days after application, Meridian maintains its efficacy in the soil**, making it an effective preventive control option.

## Protecting Landscape Ornamentals

One of the most differentiating features of *thiamethoxam* is its systemic activity in plants. When applied to soil, the active ingredient is absorbed through the roots and spreads throughout the plant. When applied foliarly, the active ingredient is transferred through the canopy of the plant. As a result, key landscape ornamental pests such as aphids, mealybugs, scale, white flies and tent caterpillars are also controlled.

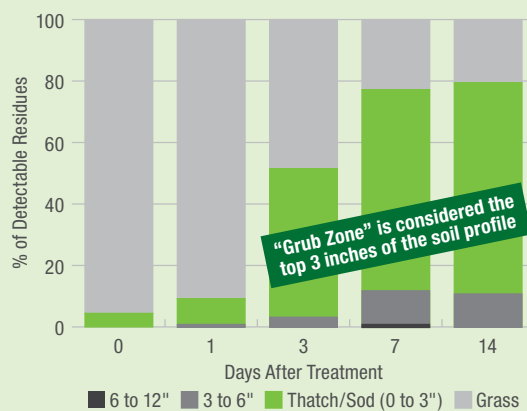
## Flexible Application to Fit Your Needs

Meridian widens the window of application for flexible, preventive control by providing season-long control on your schedule. If you miss the early window for application, Meridian can be applied later in the season. With two formulations, you can apply Meridian in the most efficient way for your business.

- Meridian 0.33G: a spreadable granule sold in a 40-lb. package
- Meridian 25WG: a water-dispersible granule used for spray applications that is sold in 17-oz. and 102-oz. packages.

## Quick Movement into the Grub Zone

Source: Fischer, W - P#2002WF13A & 2002WF13B



Meridian is able to move into the grub zone within one day of treatment. The grub zone is considered the top three inches of the soil profile.

## Why Choose Meridian?

When compared to Merit® insecticide, Meridian scores high marks:

- Meridian is labeled for control against a broader range of landscape insects including ants, sod webworms, plant bugs and tent caterpillars.
- Meridian demonstrates a favorable 40 percent plant uptake rate 24 hours after treatment.
- Meridian remains effective up to seven days after treatment, even without watering in from rain or irrigation.

## Turfgrass Soil Insecticide Comparison

	Meridian®	Merit®
White Grubs	Equal	
Curative Grub Control	✓	✗
Chinch Bugs	✓	✓
Mole Crickets	✓ - suppression	✓
Fire Ants (mound treatments)	✓	✗
Ants	✓	✗
Sod webworms	✓	✗
Billbugs	✓	✓
<b>Landscape Insects</b>		
Aphids	✓	✓
Whiteflies	✓	✓
Mealybugs	✓	✓
Black vine weevil	✓	✓
Leafhoppers	✓	✓
Plant bug	✓	✗
Honeylocust pod gall	✓	✓
Nipple gall	✓	✓
Blister gall	✓	✓
Tent caterpillars	✓	✗
Surface Water advisory	✓	✓
Ground Water advisory	✓	✓
Plant uptake	40% at 24h	10% at 24h
Current Formulation(s)	0.33G, 25WG	75WP, 75WSP, 2F, 2.5G, 0.5G
Watering Requirements for preventive treatments	up to 7 DAT	within 24 hours after application

✗ = not labeled. DAT = days after treatment. ✓ = labeled.  
 ✓ - suppression = suppression claim only.

IRAC MOA CLASSIFICATION

GROUP 4 THIAMETHOXAM

## Labeled Use Rates by Formulation

Pests	25WG	0.33G	Lb ai/A
White Grubs	12.7-17 oz/A	60-80 lbs/A	0.2-0.26
Chinch Bugs	12.7-17 oz/A	60-80 lbs/A	0.2-0.26
Mole Crickets*	12.7-17 oz/A	60-80 lbs/A	0.2-0.26
Craneflies	12.7-17 oz/A	60-80 lbs/A	0.2-0.26
Flea beetles Greenbugs Leafhoppers Sod webworms Spittlebugs	12.7-17 oz/A	60-80 lbs/A	0.2-0.26
Fire Ants (mound treatments)	1.3 oz/10 gals.	N/A	N/A
Ants (broadcast treatments)	12.7-17 oz/A	60-80 lbs/A	0.2-0.26
Billbugs	12.7-17 oz/A	60-80 lbs/A	0.2-0.26
Landscape Ornamental Pests	2-8.5 oz/ 100 gals. OR 12.7-17 oz/A	60-80 lbs/A	0.2-0.26

\*Suppression only.  
 All rates are per year.

Do not apply more than 17 oz./A per year of Meridian 25WG or more than 80 lbs./A per year of Meridian 0.33G.

## Key Features of Meridian

- True broad-spectrum control of surface-feeding insects including white grubs and chinch bugs.
- Wide application window for flexible preventive control.
- Curative control through second instar.
- Highly systemic movement of the AI means faster control.
- Relaxed watering in requirements when applying preventively.



To learn more about Meridian, please visit [www.GreenCastOnline.com](http://www.GreenCastOnline.com) or call 1-866-SYNGENTA (796-4368).

