

# **TURFGRASS - SUPPRESSION OF MOLE CRICKETS**

## General Information

### USE INFORMATION

Meridian 0.33G is a broad-spectrum insecticide when applied at label rates to turfgrass and soil. It is systemically active against certain foliar (sucking and chewing) and soil pests. Rainfall or irrigation causes the active ingredient of Meridian 0.33G to be released from the granule. Once released, it is readily absorbed by plant foliage or carried into the soil. In the soil, Meridian 0.33G will control soil pests upon contact or ingestion of the active ingredient and is also readily taken up by plant roots. The active ingredient moves upwards in the plant to the site of pest infestation. Through feeding on the plant, pests are exposed to the active ingredient in Meridian 0.33G. Feeding will stop within minutes to hours of exposure and be followed by death of the pest. The moderate persistence of Meridian 0.33G in the soil and foliage also provides long residual control of labeled pests. Meridian 0.33G is not active as an ovicide or as an insect growth regulator.

### Restrictions:

- Not for use on production ornamentals or non-bearing fruit and nut trees in nurseries.
- Do not distribute Meridian 0.33G from the palm of the hand.
- DO NOT apply this product, by any application method, to linden, basswood, or Tilia species.

### Resistance Management

Meridian 0.33G belongs to the neonicotinoid class of chemistry (Group 4A Insecticide) which is not known to be cross-resistant to any other class of insecticide. However, insect pests are known to develop resistance to products used repeatedly. Because resistance development cannot be predicted, the use of Meridian 0.33G should conform to sound resistance management strategies established for the crop and use area. Strategies should include rotation of chemicals with different modes of action, limitation of the number of successive generations of the target pest being treated with the same compound, and

adherence to labeled directions. Consult your local pest control advisor or extension office for additional methods for preventing resistance development.

SYNGENTA encourages responsible product stewardship to ensure effective long-term control of the insect pests on the label.

## Limitations, Restrictions, and Exceptions

### APPLICATION TO TURFGRASS

#### Sites of Application

Meridian 0.33G can be used for applications to turfgrasses on golf courses, residential lawns, commercial grounds (i.e., office and shopping complexes, airports), parks, playgrounds, athletic fields and sod farms.

#### Application Methods

Apply Meridian 0.33G as a broadcast application to turfgrass for control of targeted pests. With calibrated granular equipment, uniformly broadcast Meridian 0.33G over the area being treated. Maintain adequate soil moisture before and after application for optimum control and healthy turfgrass growth. Excessively wet or dry conditions may impact the performance of Meridian 0.33G against white grubs and mole crickets. Do not mow the turf until the treated area has been irrigated or rainfall has occurred to allow for maximum and uniform uptake into the turfgrass or soil.

#### Application Timing

Meridian 0.33G is effective when applied at labeled rates to help prevent and control white grubs. To help prevent white grubs, apply Meridian 0.33G up to 45 days before the historical peak of adult flight for the targeted species. Irrigate within seven (7) days of application to move Meridian 0.33G into the root zone where grubs feed. To control white grubs apply Meridian 0.33G from egg hatch to 2nd instar (grubs less than half their full size). For optimum white grub control, apply Meridian 0.33G from peak adult flight through peak egg hatch of the primary species being targeted. Irrigate within one (1) day of application to move Meridian 0.33G into the root zone where grubs feed.

Suppression only: Mole Crickets (*Scapteriscus* species) Apply Meridian 0.33G early in the development of the younger stages when this insect pest is more susceptible (from first to peak egg hatch of the generation being targeted). When populations

are high and/or the insects are near the adult stage, mix Meridian 0.33G with another insecticide active against mole crickets.

Method

[Broadcast](#)

Rates

[field rates 0](#)

[field rates 1](#)

[field rates 2](#)

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Restricted Entry Interval

12 hours

Timings

[From first egg hatch to peak egg hatch.](#)