

INTERIORSCAPE AND LANDSCAPE ORNAMENTAL PLANTS - SOIL-INHABITING PESTS

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 INTERIORSCAPE AND LANDSCAPE ORNAMENTAL PLANTS

Sites of Application

Meridian 0.33G can be applied to ornamentals grown in residential and commercial landscapes, parks, golf courses and interiorscapes.

Restrictions:

- DO NOT apply this product, by any application method, to linden, basswood, or Tilia species.

Application Methods

Meridian 0.33G is active as a soil and systemic insecticide when applied to the soil or soilless media. To apply, use calibrated granular equipment that uniformly broadcasts Meridian 0.33G to the desired area.

Application Timing

Meridian 0.33G must move to the site of pest infestation, such as in the root zone or the above-ground portion of the host plant. With irrigation or rainfall, move Meridian 0.33G into the root zone of plants or the location of soil-dwelling pests. Water in within 3 days of treatment, and optimally within 24 hours. Excessive watering may reduce the effectiveness of Meridian 0.33G if it occurs within 7 days of application. Meridian 0.33G is readily taken up by the roots and moves upwards in the plant to feeding sites of pests. Systemic activity of Meridian 0.33G may be delayed for one or more weeks depending on plant size, rate of uptake from the soil and rate of translocation within the plant. Systemic activity in large plants may require several weeks before control of stem and foliar pests is achieved. If economic thresholds for target pests are low, or plants are historically damaged, apply Meridian 0.33G to the growing media before pests are evident.

Soil-Inhabiting Pests:

Plant Type: All plant types

Application timing for Grubs:

- Apply up to 45 days before the historical peak of adult flight to 2nd instar grub of the species being targeted.
- For optimum control, treat from peak flight to peak egg hatch.
- To control grubs, make the application from egg hatch to second instar (grubs less than half their full size).
- Note: If leaching, wait a minimum of 7 days after application to allow for maximum uptake of Meridian 0.33G by the plant's root system.
- Apply to the soil before pests are evident in situations where tolerance of insects or damage is low. Allow a minimum of one week for smaller plants and at least 2 weeks for large plants to trans-locate Meridian 0.33G to feeding sites of the target pest.
- Do not exceed 80 pounds per acre per year when making applications to the soil for ornamentals.

For specific information about developmental stages of the target pest associated damage, and action thresholds to properly time applications consult with your State Cooperative Extension Service. Refer to additional comments under Use Information section relating to turfgrass applications.

Method

Broadcast

Rates

[field_rates 0](#)

[field_rates 1](#)

[field_rates 2](#)

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Restricted Entry Interval

12 hours

Timings

[Treat from peak flight to peak egg hatch.](#)