

TURF GRASSES - CHINCHBUGS SUPPRESSION AND CONTROL OF MOLE CRICKETS

General Information

NON-AGRICULTURAL USES

Do not apply Merit 2F Insecticide while bees are foraging. Do not apply Merit 2F Insecticide to plants that are flowering. Only apply after all flower petals have fallen off.

MERIT 2F Insecticide can be used as directed on sod farms, and on turfgrass, and ornamentals on such sites: residential home lawns, business and office complexes, shopping complexes, multi-family residential complexes, golf courses, airports, cemeteries, parks, playgrounds, and athletic fields.

MERIT 2F Insecticide can be used by soil application as directed on trees, shrubs, flowers, and groundcovers in sites: in and around the perimeter of industrial and commercial buildings and residential areas, and municipal, city, state, national, and private wooded and forested areas.

RESTRICTION: Not for use in commercial greenhouses, nurseries, or on grasses grown for seed, or on commercial fruit and nut trees.

RESISTANCE: Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area.

MERIT 2F Insecticide contains a Group 4A insecticide. Insect biotypes with acquired or inherent resistance to Group 4A insecticides may eventually dominate the insect population if Group 4A insecticides are used repeatedly as the predominant method of control for targeted species.

Limitations, Restrictions, and Exceptions

APPLICATION TO TURFGRASS

MERIT 2F Insecticide can be used for the control of soil inhabiting pests of turfgrass, such as Northern & Southern masked chafers, *Cyclocephala borealis*, C.

immaculata, and/or *C. lurida*; Asiatic garden beetle, *Maladera castanea*; European chafer, *Rhizotrogus majalis*; Green June beetle, *Cotinis nitida*; May or June beetle, *Phyllophaga* spp.; Japanese beetle, *Popillia japonica*; Oriental beetle, *Anomala orientalis*; Billbugs, *Sphenophorus* spp.; Annual bluegrass weevil, *Hyperodes* spp.; Black turfgrass atenioides, *Ataenius spretulus* and *Aphodius* spp. European Crane Fly *Tipula paludosa*, and mole crickets, *scapteriscus* spp. MERIT 2F Insecticide can also be used for suppression of cutworms and chinch bugs.

The active ingredient in MERIT 2F Insecticide has sufficient residual activity so that applications can be made preceding the egg laying activity of the target pests. High levels of control can be achieved when applications are made preceding or during the egg laying period. The need for an application can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. Optimum control will be achieved when applications are made prior to egg hatch of the target pests, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch.

Do not apply when turfgrass areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. The treated turf area must be in such a condition that the rainfall or irrigation will penetrate vertically in the soil profile.

RESTRICTION: Do not apply more than a total of 1.6 pints (0.4 lb of active ingredient) per acre per year.

For suppression of chinch bugs, make application prior to the hatching of the first instar nymphs. For control of mole crickets make application prior to or during the peak egg hatch period. If application is not made prior to egg hatch or when adults or large nymphs are present and actively tunneling, apply Merit 2F Insecticide in combination with a remedial insecticide to minimize damage to turf. Follow label instructions for other insecticides when tank-mixing.

Consult your local turf, state Agricultural Experiment Station, or State Extension Service Specialists for more specific information regarding timing of application.

For optimum control, if rainfall does not occur within 24 hours after application, irrigate to move the active ingredient through the thatch.

RESTRICTIONS:

- Do not apply more than 1.6 pt (0.4 lb of active ingredient) per acre per year.
- Do not mow turf or lawn area until after sufficient irrigation or rainfall has occurred so that uniformity of application will not be affected.
- Do not allow this product to contact plants in bloom while bees are foraging the treatment area.
- Do not graze treated areas or use clippings from treated areas for feed or forage.
- Do not allow runoff or puddling of irrigation water following application.
- Keep children and pets off treated area until dry.
- Do not apply Merit 2F Insecticide to areas which are water logged or saturated, which will not allow penetration into the root zone of the plant.

Method

[Directed](#)

[Soil application](#)

[Directed](#)

[Soil application](#)

Rates

[field rates 0](#)

[field rates 1](#)

[field rates 2](#)

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Restricted Entry Interval

12 hours

Exception: If the product is applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Timings

[Chinchbug: prior to or during the hatching of the first instar nymphs.](#)

[Mole crickets: Prior to or during the peak egg hatch period.](#)