

## **LAWN AND TURFGRASS - ANT, ARMYWORM, ETC.**

### General Information

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**IMPORTANT:** Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on lawns or grounds.

Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment. During application, do not allow pesticide to enter or runoff into storm drains, drainage ditches, gutters or surface waters.

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- 1 Treatment to soil or vegetation around structures;
- 2 Applications to lawns, turf, and other vegetation;
- 3 Applications to building foundations, up to a maximum height of 3 feet above grade;
- 4 Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
- 5 Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width;
- 6 Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutters, or surface waters, in order to control occasional invaders or aggregating

pests.

Do not water the treated area to the point of run-off.

Do not make applications during rain.

Do not apply directly to sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur, except as directed by this label.

This product is restricted for use in the State of New York.

#### Resistance Management

Demand CS Insecticide is a Group 3 Insecticide that contains the active ingredient lambda-cyhalothrin. Due to the inherent risk of the development of resistance to any pesticide product, it is strongly advised that Demand CS Insecticide be used in a sound resistance-management program.

It is recommended that the following resistance management practices be followed, including, but not limited to:

- Rotating Demand CS Insecticide with products with different modes of action,
- Avoiding treatment of successive generations with Demand CS Insecticide, and
- Using labeled rates at specified spray intervals.

For additional information about implementing these or other resistance management practices, consult an Extension advisor or company representative.

#### Limitations, Restrictions, and Exceptions

##### INFORMATION: LAWNS/TURFGRASS AND ORNAMENTALS

Demand CS Insecticide may be used for applications to maintain indoor or outdoor areas where turf and ornamentals are grown, such as residential landscaped areas and non-residential landscapes around institutional, public, commercial and industrial buildings, parks, recreational areas, and athletic fields. Application rates for turf and ornamental applications of Demand CS Insecticide are lower than structural pest control rates, reflecting that treatment intervals are generally more frequent.

Applicators must ensure that they are certified in the necessary pesticide certification categories to allow application of Demand CS Insecticide away from structures, such as to turf and ornamental plantings. Structural pest control certification categories may limit the distance away from structures for pesticide application. Consult your state extension office or pesticide regulatory officials for further information.

**IMPORTANT:** Time application to flowering plants during periods when pollinating insects are not present, such as early morning or late evening.

Do not apply this product through any type of irrigation system.

Do not apply this product to edible crops.

Do not apply this product by aerial application.

Use of this pesticide adjacent to water may affect aquatic organisms. To protect these organisms, do not apply this pesticide within 25 ft of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

Do not make outdoor broadcast applications to turf and ornamentals when wind speed is 15 mph or greater.

In the State of New York, do not apply within 100 ft of coastal marshes or streams that drain into coastal marshes.

#### Mixing Instructions (Turf and Ornamental Dilutions)

Demand CS Insecticide is to be mixed with water and may be used in all types of standard application equipment. Fill applicator tank with the desired volume of water and add Demand CS Insecticide. Adjust water pH with a buffering agent if necessary to achieve a pH of 5-7. Slowly add Demand CS Insecticide to applicator tank water with maximum agitation. Close and shake or re-agitate applicator tank before use if application is interrupted. Make up only amount of treatment volume as required.

#### Tank Mixing (Turf and Ornamental Dilutions)

Demand CS Insecticide may be tank-mixed with other currently registered pesticides unless expressly prohibited by the product label. Adjuvants such as

spreader stickers, wetting agents, and penetrants may also be added. To ensure compatibility, conduct a small volume mixing test with the other products. If other chemicals are added to the applicator tank, add Demand CS Insecticide last. Fill tank to desired volume and continue to agitate while making applications. If mixed with EC formulations, use within 24 hours.

Observe all restrictions and precautions which appear on the labels of these products.

Example calculation: to treat listed turf pests at the mid-rate for Demand CS Insecticide of 7 mL/1,000 sq ft, determine gallons dilution/1,000 sq ft needed to cover turf. At 5 gallons/1,000 sq ft, add  $7 \text{ mL} \div 5$  or 1.4 mL per gallon. For a 50-gallon tank, this would be equivalent to 70 mL or 2.5 fl oz in 50 gallons water.

Start application to turf prior to the establishment of high insect pest populations and significant turf damage. Make reapplications as necessary to keep pest populations under control, using higher rates as pest pressure increases.

Apply at 7-day intervals if retreatment is necessary. Limit more frequent treatments to spot treatments.

Do not apply more than 0.36 lb of ai (52.4 fl oz of concentrate)/A per year.

Do not apply when turfgrass is waterlogged or when soils are saturated with water (i.e., will not accept irrigation).

Surface Insect Control (armyworm, cutworms, fleas, etc.)

Apply Demand CS Insecticide at specified rates in 2-5 gallons of water per 1,000 sq ft. The use of a spreader-sticker may be useful if high rainfall amounts are forecast, otherwise the addition of adjuvants is not necessary under normal conditions for surface insect control in turf. Delay watering or mowing for 12-24 hours for optimum control of surface-feeding insect pests.

Method

[Spray](#)

Rates

[field rates 0](#)

[field rates 1](#)

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Timings

Prior to the establishment of high insect pest populations and significant turf damage.