

LAWN/TURFGRASS INSECT PEST CONTROL - BLUEGRASS BILLBUGS (ADULT), ETC.

General Information

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Cyonara 9.7 is a unique formulation utilizing Sigma Technology which is a proprietary blend of ingredients for use with the active ingredient Lambda-cyhalothrin.

STRUCTURAL AND PERIMETER PEST CONTROL

CYONARA 9.7 is for use as a general surface (nonfood/nonfeed areas), crack and crevice, or spot treatment in, on, and around buildings and structures and their immediate surroundings, and on modes of transport. Areas of use include, but are not limited to, industrial buildings, houses, apartment buildings, laboratories, buses, greenhouses (non-commercial), stores, warehouses, vessels, railcars, trucks, trailers, aircraft (cargo and other non-cabin areas only), schools, nursing homes, hospitals, restaurants, hotels, livestock/poultry housing, pet kennels, food granaries, food grain mills and food manufacturing, processing, and servicing establishments.

Nonfood/nonfeed areas of food/feed handling establishments include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling).

For indoor applications, CYONARA 9.7 can be reapplied at 21-day intervals if necessary.

Limitations, Restrictions, and Exceptions

LAWN/TURFGRASS

RESTRICTIONS:

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

Application Instructions

- Application to turf should be started 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. More frequent treatments should be limited to spot treatments.

- For spot treatments, use 0.5 fl. oz. of CYONARA 9.7 per 1 - 2.5 gals. of water.

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

- For best results, apply CYONARA 9.7 at recommended rates in 2 - 5 gals. 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.

Thatch Inhabiting Insect Control (chinch bugs, billbugs, etc.):

- For best results, apply CYONARA 9.7 at recommended rates in 2 - 10 gals. of water per 1,000 sq. ft. The use of a nonionic wetting agent, penetrant or similar adjuvant is recommended at label rates. Lightly irrigate after application with up to 1/2 inch of water to move the CYONARA 9.7 into the thatch layer. If irrigation is not available, then use high water application rates for optimum results.

Subsurface Insect Control (mole crickets, grubs, etc.):

- For best results, apply CYONARA 9.7 at recommended rates in 4 - 10 gals. of water per 1,000 sq. ft. The use of a nonionic wetting agent, penetrant or similar adjuvant is strongly recommended following label rates. Use the highest water application rates possible with your sprayer. Apply CYONARA 9.7 to turf wet with dew, rain or irrigation. Water-in immediately after application with 1/4 - 1/2 inch of water for optimum results.

Fire Ant Control:

- Treat individual mounds with a drench application using a watering can. Use 0.5 fl. oz. of CYONARA 9.7 per 2.5 gals. of water. Thoroughly soak each mound and a 3 ft. diameter circle around each mound. Gently apply the mixture to avoid disturbing the mound. Disturbing the mound may cause the ants to migrate and reduce the effectiveness of the treatment. For best results, apply in early morning or late evening hours. You may make applications on a monthly basis to maintain protection of treated areas.

Mosquito Control:

- Apply as a general spray around landscape plantings, turf, and building foundations to control mosquitoes. For best results, apply CYONARA 9.7 at recommended rates in 2 - 5 gals. of water per 1,000 sq. ft.

Mole Crickets (mature adults), Chinch Bugs - Not for use on mature adult mole crickets and chinch bugs in New York state.

- Example: To treat the listed turf pests at the 7 mL per 1,000 sq. ft. rate, determine the gallons of dilution per 1,000 sq. ft. needed to adequately cover the turf. At a 5 gallon per 1,000 sq. ft. dilution, take the 7 mL and divide it by the 5 (gallon) to get 1.4 mL to be added per gallon. For a 50 gallon tank, therefore, this would be $1.4 \text{ mL} \times 50 = 70 \text{ mL}$ (or 2.5 oz.) in 50 gallons of water.

Method

[Spot treatment](#)

[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.](#)