

For Gypsy Moth

Lymantria dispar

GYPCHEK

Biological Insecticide
Wettable Powder

ACTIVE INGREDIENT: *

Gypsy moth nucleopolyhedrovirus
(equivalent to at least 1.8×10^{10} OB/gm).....12.0%

INERT INGREDIENTS:

Insect parts/inert solids.....88.0%

Total..... 100.0%

*This lot contains at least 929.3 billion occlusion bodies per ounce.

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

Read First Aid Treatment Before Use

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

USDA Forest Service
180 Canfield Street
Morgantown, WV 26505

EPA Registration No. 27586-2
EPA Establishment No. 27586-CT1

Net Weight: _____ oz

Lot

ACCEPTED
with COMMENTS
In EPA Letter Dated
AUG - 4 2000
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registration number EPA Reg. No.
27586-2

FIRST AID TREATMENT

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Get medical attention if irritation persists.

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

WARNING:

Causes substantial but temporary eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)

Mixers and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves
- Mixers must also use:
 - additional protective eyewear (goggles or face shield)
 - Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter

After product is diluted in accordance with the directions for use, protective eyewear and respirators are not required. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should wash hands before eating or drinking. If pesticide gets inside clothing, wash skin thoroughly before putting on clean clothes.

Environmental Hazards

Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

DIRECTIONS FOR USE

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

Only for formulation into a biological insecticide for use in managing gypsy moth infestations in wide-area public pest control programs sponsored by government entities.

Application of this product is limited to forest trees and ornamental or non-commercial trees in urban parks, golf courses, lawns and landscapes. Tree species include but not limited to oak, hickory, basswood, birch, cherry, elm, blackgum, larch, sassafras, hemlock, cedar, spruce, black walnut, American chestnut, willow, ash, boxelder, hawthorn, butternut, catalpa, locust, and sycamore.

Gypchek contains a virus specific to the gypsy moth, *Lymantria dispar* (L). Maximum effectiveness is exhibited against early instar larvae after consumption of a lethal dose. Spray application should occur soon after egg hatch is complete and all larvae have migrated from the egg mass; the majority of late-first instar are actively feeding; and when the target foliage is at least 20% expanded.

This product is sensitive to environmental conditions and should be stored in a cool dark place prior to use (read STORAGE AND DISPOSAL section).

Mixing Instructions: Add Gypchek to recommended carrier in the proper ratio for per acre dosages and agitate to maintain suspension. Consult USDA Forest Service for currently recommended carriers in tank mix. **Never use chlorinated water in the spray formulation.** If pH is <6.0 or >8.0, add appropriate amount of acid or base with products available for swimming pools to adjust to within acceptable pH range. Best results are expected when applications are made early in the morning on dry foliage. Eradication projects and/or rainy weather may necessitate more than 2 applications. Spray application is not recommended if rain is predicted within 12 hours.

- **Ground Application:** It is recommended that up to 2.0 oz (1.0×10^{12} OB) of Gypchek per acre be applied one or more times with high volume hydraulic sprayers at a rate of 100 gallons per acre of tank mix to woodlots and small acreages. Individual large trees should be sprayed once to runoff.

- **Aerial Application:** For one application, current recommended dosage for suppression is 0.44 oz (4.0×10^{11} OB) of Gypchek per acre, and 1.08 oz (1.0×10^{12} OB) per acre for eradication. With two or more applications, recommended dosage for suppression is 0.22 oz (2.0×10^{11} OB) of Gypchek per acre per application and 0.54 oz (5.0×10^{11} OB) per acre per application for eradication, applied 2 to 4 days apart. For tank mix volumes, use $\frac{1}{2}$ to 2 gallons per acre depending upon type of carrier.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Storage: Activity will be impaired by exposure to direct sunlight or temperatures above 90°F. Store in sealed containers in cool dry place. Freezing temperatures are recommended for long term storage.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

NOTICE

The USDA Forest Service makes no warranty, express or implied, of merchantability and/or fitness concerning this material, except those contained on the label. **For additional information and assistance, contact USDA Forest Service, Northeastern Research Station, Hamden, CT, (203) 230-4325.**