

# GYPCHEK

For Gypsy Moth Control

Biological Insecticide  
Wettable Powder

**ACTIVE INGREDIENT:** \*  
Polyhedral inclusion bodies of gypsy moth  
nucleopolyhedrovirus.....12.0% W/W  
**INERT INGREDIENTS:**  
Insect parts/inert solids.....88.0% W/W  
**Total**.....100.0% W/W  
\*This lot contains at least 929.3 billion inclusion 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.)

MFG. BY: USDA Forest Service  
180 Canfield Street  
Morgantown, WV 26505

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

Net Weight: \_\_\_\_\_ oz Lot No. \_\_\_\_\_

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. Registration of this product does not allow use on ornamental trees for sale, or commercial seed production.

Gypchek contains a virus specific to the gypsy moth with maximum effectiveness exhibited against early instar larvae. Spray application should occur soon after egg hatch is complete and all larvae have migrated from egg mass; the majority of late-first instar are actively feeding; and when the target foliage is at least 20% expanded.

This virus is sensitive to environmental conditions and should be stored in a cool dark place prior to use (read STORAGE AND DISPOSAL section). Adjuvants may enhance performance of this product. **Never use chlorinated water in the spray formulation.**

**Ground Application:** Spray formulation using hydraulic equipment should be applied in sufficient volume to thoroughly cover foliage. It is recommended that the specified Gypchek dosage (0.54 oz per acre) is applied once at a rate of 100 gallons per acre of formulated spray to woodlots and small acreage's. Individual large trees should be sprayed once to runoff (e.g. 15 to 25 gallons for large oaks).

### Tank-mix Sequence (per 100 gallons):

- Fill tank with 98 gallons of nonchlorinated water; check pH of water from field source. If pH is <5.5 or >7.5, add appropriate amount of acid or base with products available for swimming pools to adjust to pH 7.
- Add 2 gallons of Bond® (Loveland Inc.).
- Check pH and adjust when necessary.
- Add 0.54 oz. (15.9 gm) of Gypchek as a powder or slurry.
- Circulate formulated spray 15 to 20 minutes before application.

**Aerial Application:** Current recommended dosage for suppression (0.43 oz. per acre) and eradication (1.08 oz. per acre) is applied with 1 or more applications, 2 to 4 days apart. The application rate is 1 gallon per acre of formulated spray with Carrier 038 (Abbott Laboratories) mixture and 2 gallons per acre of formulated spray with Lignosulfonate-molasses mixture. Best results are expected when applications are made early in the morning on dry foliage. Eradication projects and/or rainy weather may necessitate repeated applications. Spray application is not recommended if rain is predicted within 12 hours.

## FIRST AID TREATMENT

**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention if irritation persists. **IF ON SKIN:** Wash with plenty of soap and water.

## PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

### WARNING:

Causes substantial but temporary eye irritation. Do not get in eyes, on 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)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Protective gloves
- Mixers must also use additional protective eyewear (goggles or face shield)

After product is diluted in accordance with the directions for use, goggles or face shield 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. Remove PPE immediately after handling this product. Bathe and change clothing soon after Gypchek application.

### Environmental Hazards

For terrestrial uses, avoid direct application to lakes, streams, or ponds. Do not contaminate water when cleaning equipment or disposal of wastes.

## 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.** Registration of this product limits its use to forest trees and ornamental or non-commercial trees in urban parks, golf courses, lawns and landscapes. Tree species include but not

Preparation sequence for each of the following aerial tank mixtures should observed the same general precautions as those outlined for ground application. Circulate tank-mix for 15 to 20 minutes before loading aircraft. **DO NOT ADD GYPCHEK DIRECTLY TO AIRCRAFT HOPPER.**

### Carrier 038 Mixture (per gallon):

Carrier 038	0.95 gal. (122 fl. oz.)
Gypchek**	0.22 oz. (6.4 gm)
Water	0.05 gal. (6 fl. oz.)

### Lignosulfonate-Molasses Mixture (per 2 gallons):

Water	1.7 gal. (220 fl. oz.)
Lignosite® AN	1 lb.
Feed-grade Molasses	0.26 gal. (32 fl. oz.)
Bond®	0.04 gal. (5 fl. oz.)
Gypchek**	0.54 oz. (15.9 gm)

\*\* Gypchek dosage in these preparations assumes 2 applications for suppression with Carrier 038 and 2 applications for eradication with lignosulfonate-molasses mixture.

## STORAGE AND DISPOSAL

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

**Storage:** Activity will be impaired by direct sunlight or may be affected by 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.