

Mimic[®]

Insecticide



Mimic[®] is a highly effective insect growth regulator (IGR) developed to control caterpillar pests that defoliate trees and forests. Registered in both Canada and the United States, Mimic works by mimicking the action of the natural insect hormone 20-hydroxyecdysone, which triggers molting and metamorphosis processes in insects. Mimic is highly active against most lepidopterous larvae, with minimal impact on other insect orders at standard application rates. Mimic controls lepidopterous larvae by employing a novel mode-of-action, inducing a premature lethal molt in the larvae within hours of ingesting treated surfaces.

Benefits of Mimic

- Results in 3 to 10 days
- Target specific mode-of-action
- Large application window
- Fast acting and highly effective
- Half-life on trees is 18 to 44 days
- The developing company received the Presidential Green Chemistry Award for the development of this highly selective, low-toxicity product.

Target Pests

- Bagworm (*Thyridopteryx ephemeraeformis*)*
- Browntail Moth (*Euproctis chrysorrhoea*)*
- Elm Spanworm (*Ennomos subsignaria*)*
- Fall Cankerworm (*Alsophila pometaria*)*
- Fall Webworm (*Hyphantria cunea*)*
- Spongy Moth (*Lymantria dispar*)
- Hemlock Looper (*Lambdina fiscellaria*)
- Jack Pine Budworm (*Choristoneura pinus*)
- Pine Tip Moths (*Rhyacionia frustrana*, *R. neomexicana*, *R. buoliana*, *R. rigidana*, *R. subtropica*)*
- Puss Caterpillar (*Megalopyge opercularis*)*
- Spruce Budworms (*Choristoneura fumiferana*, *C. occidentalis*)
- Tent Caterpillars: Forest, Eastern*, Western* (*Malacosoma disstria*, *M. americanum*, *M. californicum*)
- Tussock Moths (*Dasychira pinicola**, *Lophocampa maculata**, *Orgyia pseudotsugata*, *O. vetusta**, *Orgyia leucostigma* (Canada only))
- Zimmerman Pine Moth (*Dioryctria zimmermanii*)*

*Only on U.S. label

Mixing & Handling

Ensure Mimic is thoroughly agitated before mixing with water. Fill the spray tank one-third to one-half full of clean water, then slowly pour Mimic into the tank. Adjust the final volume as needed. Maintain agitation in the spray tank throughout mixing, loading and application. Rinse containers and add rinsate to spray tank.

For detailed application information and instructions, please refer to the product label.

Application Equipment

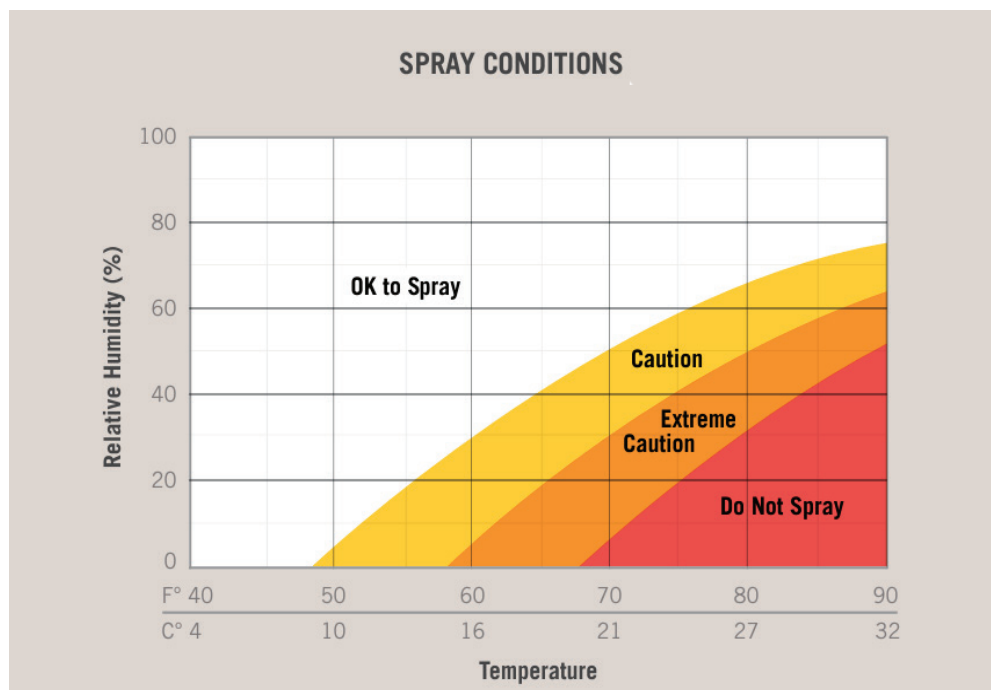
Mimic can be applied using ground or aerial equipment.

Ground Application: Use properly calibrated equipment in sufficient water to ensure thorough spray coverage. Hydraulic or airblast sprayers may be used. Dilute Mimic with sufficient water to achieve adequate coverage while minimizing runoff and spray drift.

Aerial Application: Use only fixed-wing or rotary aircraft equipment that are functionally and operationally calibrated for the atmospheric conditions of the area. Apply with rotary atomizers, or other conventional spray systems, to ensure thorough and uniform coverage.

Spray Conditions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Avoid application if significant rainfall is expected within six (6) hours. Foliage should not be wet with dew to the point of runoff. While small droplets are effective, be aware that wind and drift issues may arise if applications are made under undesirable conditions.



Calibration & Characterization

All application equipment (atomizers, flow meters, etc.) must be calibrated prior to use to deliver the correct application rate and desired droplet spectrum. Target a VMD (Volume Median Diameter) of approximately 100-150 microns for optimal and uniform coverage of the forest canopy. As a diluted Mimic spray mixture can quickly reach its residual volume through evaporation of the water component, it is recommended to set Micronair rotary atomizers to 5000-6000 RPM.

When using rotary atomizers, or other local forest health official supported systems/nozzles, mounted on higher airspeed aircraft, please note a secondary break-up of the droplet spectrum can occur immediately upon exiting the spinning atomizer cage. For slower aircraft such as helicopters, ensure that the Micronair atomizers are equipped with longer fan blades to achieve complete atomization and production of the desired size range of droplets.

Storage

Store Mimic in its original container in a cool, dry, and well-ventilated area, ensuring the product is protected from freezing.

Disclaimers

- Check state and provincial registration status prior to use.
- Uniform foliage coverage is essential to provide maximum protection against defoliation and significantly reduce caterpillar larvae.