

(Container)



# Conserve\* 480 SC

## Naturalyte\* Insect Control Product

GROUP	5	INSECTICIDE
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- A Naturalyte insect control product for management of sod webworm, tent caterpillar, such as eastern tent caterpillar, gypsy moth, conifer sawflies, leaf beetles such as elm and willow leaf beetles, and western flower thrips infesting outdoor ornamentals and turfgrass.
- Contains spinosad

INSECTICIDE

COMMERCIAL

READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: spinosad 480 g/L  
Contains 1,2-benzisothiazoline-3-one at 0.04% as a preservative  
Suspension

REGISTRATION NO. 26834 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 10 L

**Dow AgroSciences Canada Inc.**  
Suite 2100, 450 - 1 Street S.W.  
Calgary, Alberta  
T2P 5H1  
1-800-667-3852

\*Trademark of Dow AgroSciences LLC

## **PRECAUTIONS**

### **KEEP OUT OF REACH OF CHILDREN**

Avoid contact with eyes, skin and clothing. During mixing, loading, application, and clean-up and repair activities, wear long-sleeved shirt and long pants, shoes plus socks and chemical resistant gloves. Do not enter or allow adults, children or pets to enter into treated areas until pesticide residues have dried.

## **FIRST AID**

**Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.**

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

## **TOXICOLOGICAL INFORMATION**

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

## **ENVIRONMENTAL HAZARDS**

This product is highly toxic to bees exposed to direct treatment, drift or residues on blooming plants. Do not apply this product or allow it to drift to blooming plants if bees are visiting the treatment area. This product is harmful to parasitoids and predatory mites and slightly harmful to foliage-dwelling predators. Care should be taken when using this product in an integrated pest management program where users are relying on the presence of beneficial arthropods.

This product is highly toxic to aquatic invertebrates. Do not contaminate aquatic habitats, such as lakes, rivers, sloughs, ponds coulees, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands, when cleaning and rinsing spray equipment or containers.

This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms.

This product has potential for run-off. It should not be applied under conditions where run-off is likely to occur. Do not apply immediately after a rainfall or if there is a forecast for rain during or within 48 hours after application.

**DO NOT APPLY BY AIR.**

## **STORAGE**

Do not ship or store with food, feeds, drugs or clothing. Avoid freezing.

## **DISPOSAL**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

(Booklet)



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#### **DIRECTIONS FOR USE – TURF AND OUTDOOR ORNAMENTALS**

Conserve 480 SC Naturalyte Insect Control Product contains the active ingredient spinosad which is derived from a naturally occurring organism. Conserve 480 SC is recommended for use in integrated pest management programs and can be applied when field scouting indicates that target pest densities have reached the economic threshold. Consult provincial guidelines and/or local extension experts. Follow the specific use instructions given in this label to control target pests.

#### **Application Rate**

Always shake well before use. Avoid freezing. Use Conserve 480 SC to control ornamental insect pests listed in the following table. Dilute Conserve 480 SC in water and apply using suitable hand or power-operated application equipment to provide complete uniform plant coverage. Attempt to penetrate dense foliage, but avoid over-spraying to the point of excessive runoff. Uniform coverage is critical for effective insect control.

<b>Insect Pest</b>	<b>Application rate (mL product/ 1000 L)</b>	<b>Maximum number of applications per crop per year</b>
conifer sawfly larvae, eastern tent caterpillar, elm leaf beetle, gypsy moth, willow leaf beetle	25	4
western flower thrips	50	3

#### **Application Timing**

Do not reapply within less than 7 days for all insect pests.

**Leaf beetles (such as elm leaf and willow leaf beetle)** - for effective control of elm leaf and willow leaf beetle larvae, applications should be made in the spring or early summer when feeding is observed.

**Western flower thrips** - for effective control of exposed western flower thrips on outdoor ornamentals, monitor and apply when populations reach damaging levels. For best results, apply at the floral stage of development and repeat at 7-14 day intervals as required by population pressure.

**Tent caterpillar (such as eastern tent caterpillar)** - for effective control of tent caterpillar, applications should be made early when webs are first observed and the spray should be directed into the web and surrounding foliage within at least 1 metre of the nest.

**Conifer sawfly larvae** - for effective control of sawfly larvae, applications should be made as soon as larvae appear (2<sup>nd</sup> -4<sup>th</sup> instar).

**Gypsy moth** - for effective control of gypsy moth larvae, applications should be timed for when larvae are small and majority of eggs are hatched.

#### **Ornamental phytotoxicity**

Conserve 480 SC has been tested on a variety of herbaceous and woody ornamental plants without phytotoxic symptoms. However, because it is not possible to test all ornamental plant species, varieties and cultivars, and because environmental factors and varietal and plant growth stage may affect phytotoxic expression, it is recommended that a small group of test plants be treated at the anticipated use rate and observed for at least 5 - 7 days to determine phytotoxicity before treating large numbers of those plants. The applicator/user assumes responsibility for determining if Conserve 480 SC is safe to treated plants under commercial growing conditions.

#### **DIRECTIONS FOR USE – TURFGRASS (LAWNS, SOD AND SEED FARMS, AND GOLF COURSES)**

Use Conserve 480 SC Naturalyte Insect Control Product to control sod webworm. Dilute Conserve 480 SC in water and apply using suitable hand or power-operated application equipment. Select the higher application rate when pest pressure is high.

<b>Insect Pest</b>	<b>Application rate (mL product/ha)</b>	<b>Maximum number of applications per commodity per year</b>
Sod webworm	50-100	4

**Sod webworm** - for control of sod webworm larvae, applications during the late afternoon or early evening can maximize control. Delay watering or mowing of the treated area for 12 to 24 hours after treatment. Do not reapply within less than 7 days.

#### **CONSERVE 480 SC NATURALYTE INSECT CONTROL PRODUCT APPLICATION INSTRUCTIONS**

Fill the spray tank with water to ½ of the total spray volume required. Start agitation and add the required amount of Conserve 480 SC. Continue mixing and agitation while filling the spray tank to the required spray volume. Maintain sufficient agitation during application to ensure uniformity of the spray mix.

Use ground based spray equipment capable of thorough coverage of the target. Orient the boom and the nozzles to obtain uniform crop coverage. Follow manufacturers' recommendations for ideal nozzle spacing and spray pressure and minimize boom height to optimize uniformity of coverage and maximize depositions within the target area.

#### **Resistance Management Recommendations**

For resistance management, please note that Conserve 480 SC contains a Group 5 insecticide. Any insect population may contain individuals naturally resistant to Conserve 480 SC and other Group 5 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of Conserve 480 SC or other Group 5 insecticides with different groups that control the same pests in a field.
- Use tank mixtures with insecticides from a different group when such use is permitted.
- Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices. Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance, contact Dow AgroSciences Canada Inc. at 1-800-667-3852 or at [www.dowagro.ca](http://www.dowagro.ca)

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