



# For Emergency Use Only

Dow AgroSciences Canada Inc. Suite 2100, 450 – 1 Street S.W. Calgary, Alberta T2P 5H1

## Entrust\* 80 W Naturalyte\* Insect Control Product

GROUP	5	INSECTICIDE
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For Sale For Use Only in Ontario, Quebec, British Columbia, Alberta and Nova Scotia from June 1 to November 30, 2011 for Control of Spotted Wing Drosophila on Stone Fruit Crop Group, Grape, Bushberry, Caneberry including Raspberry, and Strawberry

COMMERCIAL

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

GUARANTEE: spinosad 80%  
Wettable granules

REGISTRATION NO. 27825 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 4 x 113.4 g packets

INDIVIDUAL PACKETS CANNOT BE SOLD SEPARATELY

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

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## **PRECAUTIONS**

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

#### **DO NOT APPLY BY AIR**

Avoid contact with eyes, skin and clothing. During mixing and loading, wear coveralls over long-sleeved shirt and long pants, single use dust mask, shoes plus socks and chemical resistant gloves. During application, clean-up and repair activities wear long-sleeved shirt and long pants, shoes plus socks and chemical resistant gloves. Wash thoroughly with soap and water after handling.

**Restricted Entry Interval (REI):** Follow crop-specific entry intervals. For all other activities, do not enter or allow worker entry into treated areas during the restricted entry interval of 12 hours after application.

No more than 80 ha/day of any crop may be treated at the given rates.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at [www.croplife.ca](http://www.croplife.ca).

## **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 the judgment of the physician in response to reactions of the patient.

## **AGRICULTURAL CHEMICAL**

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

## **ENVIRONMENTAL PRECAUTIONS**

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.

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g., soils that are compacted or fine textured such as clay).

Avoid application of this product when heavy rain is in the forecast, or immediately after a rainfall.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip (buffer zone) between the treated area and the edge of the water body.

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty.

### **STORAGE**

Avoid freezing. Store in original container in a secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. Keep away from food and feed.

### **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.

### **Entrust 80 W Naturalyte Insect Control Product for the control of Spotted Wing Drosophila on Stone Fruit Crop Group, Grape, Bushberry, Caneberry including Raspberry, and Strawberry in Ontario, Quebec, British Columbia, Alberta and Nova Scotia**

#### **DIRECTIONS FOR USE**

Read and understand the entire label before using this product. Mix the recommended dosage of Entrust 80 W in sufficient water to ensure thorough coverage.

Entrust 80 W Naturalyte Insect Control Product contains the active ingredient spinosad which is derived from a naturally occurring organism. Consult local pest regulatory authorities about use permits that may be required.

#### **HOST/RATE/APPLICATION**

##### **Stone fruit including apricot, cherry, nectarine, peach, plum and prune**

Apply Entrust 80 W at the rate of 109 grams of product per hectare in a minimum of 1000 L water per hectare. If adequate spray coverage of plant canopy requires less solution per hectare, adjust spray volume accordingly while using the same spray concentration (g product/L water).

Do not exceed 109 g product per hectare per application. Apply up to a maximum of 3 applications per year with a minimum re-treatment interval of 5 days. The preharvest interval for Crop Subgroup 12-09B including peaches and nectarines is 3 days. The preharvest interval for Crop Subgroup 12-09C including apricots, plums and prunes is 3 days. The preharvest interval for Crop Subgroup 12-09A including cherries is 5 days.

#### **Grape**

Apply Entrust 80 W at the rate of 109 grams of product per hectare in sufficient water to ensure thorough and complete coverage. Maximum of three applications per year with a minimum re-treatment interval of 5 days and preharvest interval of 4 days for mechanical harvesting and 9 days for hand harvesting.

Restricted Entry Interval (REI): Do not enter, or allow workers to enter treated areas within 17 days after application to carry out girdling or cane-turning activities or within 9 days after application to carry out training, tying, hand harvesting, hand pruning and thinning.

#### **Bushberry including highbush and lowbush blueberry**

Apply Entrust 80 W at the rate of 100-132 grams of product per hectare in sufficient water to ensure thorough and complete coverage. Maximum of three applications per year with a minimum re-treatment interval of 5 days and preharvest interval of 3 days.

#### **Caneberry including raspberry**

Apply Entrust 80 W at the rate of 100-132 grams of product per hectare in sufficient water to ensure thorough and complete coverage. Maximum of three applications per year with a minimum re-treatment interval of 5 days and a preharvest interval of 1 day.

#### **Strawberry**

Apply Entrust 80 W at the rate of 100-132 grams of product per hectare in sufficient water to ensure thorough and complete coverage. Maximum of three applications per year with a minimum re-treatment interval of 5 days and preharvest interval of 1 day.

#### **Timing**

Application should be based on the presence of adult pests (flies) as determined by local monitoring. Consult provincial guidelines and local extension specialists for monitoring protocols and treatment thresholds.

#### **Resistance Management Recommendations**

For resistance management, please note that Entrust 80 W Naturalyte Insect Control Product contains a Group 5 insecticide. Any insect population may contain individuals naturally resistant to Entrust 80 W Naturalyte Insect Control Product 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 insect resistance:

- Where possible, rotate the use of Entrust 80 W Naturalyte Insect Control Product 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)

**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 any 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

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