



# For Emergency Use Only

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

## Delegate\* WG Insecticide

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

### COMMERCIAL

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

GUARANTEE: Spinetoram 25%

REGISTRATION NO. 28778 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 840 g

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1-800-667-3852

\*Trademark of Dow AgroSciences LLC

## **PRECAUTIONS**

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

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

Avoid contact with eyes, skin and clothing. During mixing and loading, clean-up and repair activities wear coveralls over long-sleeved shirt and long pants, shoes plus socks and chemical resistant gloves. During application, wear long-sleeved shirt and long pants, shoes plus socks and chemical resistant gloves.

Do not enter, or allow workers, adults, children or pets to enter into treated areas for 12 hours after application.

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 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.

**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.

## **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**

TOXIC to bees exposed to direct treatment, drift, or residues on flowering crops or weeds. **DO NOT** apply this product to flowering crops or weeds if bees are visiting the treatment area. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site.

TOXIC to small wild mammals.

May be TOXIC to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland.

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

## **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.

**Delegate WG Insecticide 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 Delegate WG Insecticide in sufficient water to ensure thorough coverage.

Field sprayer application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply with spray droplets smaller than the American Society of Agricultural and Biological Engineers (ASABE) fine classification. Boom height must be 60 cm or less above the crop or ground.

Airblast application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. DO NOT apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

DO NOT apply by air.

**Buffer Zones**

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer, inter-row hooded sprayer, spot treatment, soil drench, and soil incorporation.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of Application	Crop		Buffer Zones (metres) Required for the Protection of:		
			Freshwater Habitat of Depths:		Terrestrial Habitat
			Less than 1 m	Greater than 1 m	
Field sprayer†	Field crops		10	5	1
Airblast	Stone fruits and berry	Early growth stage	40	30	2
		Late growth stage	30	25	1

†For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

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

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

Apply Delegate WG at the rate of 420 grams of product per hectare in sufficient water to ensure thorough coverage. Maximum of three applications per year with a minimum re-treatment interval of 7 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 Delegate WG at the rate of 280 grams of product per hectare in sufficient water to ensure thorough coverage. Maximum of three applications per year with a minimum re-treatment interval of 7 days and preharvest interval of 4 days.

##### **Bushberry including high bush and lowbush blueberry**

Apply Delegate WG at the rate of 200 grams of product per hectare in sufficient water to ensure thorough coverage. Maximum of three applications per year with a minimum re-treatment interval of 7 days and preharvest interval of 3 days.

##### **Caneberry including raspberry**

Apply Delegate WG at the rate of 200 grams of product per hectare in sufficient water to ensure thorough coverage. Maximum of three applications per year with a minimum re-treatment interval of 7 days and preharvest interval of 1 day.

##### **Strawberry**

Apply Delegate WG at the rate of 280 grams of product of hectare In sufficient water to ensure thorough coverage. Maximum of three applications per year with a minimum re-treatment interval of 7 days and preharvest interval of 1 day.

##### **Timing**

Applications 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 Delegate WG Insecticide contains a Group 5 insecticide. Any insect population may contain individuals naturally resistant to Delegate WG Insecticide 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 Delegate WG Insecticide 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 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.

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