

**(Packet)**



# **Entrust\* 80 W**

## **Naturalyte\* Insect Control Product**

COMMERCIAL

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

GUARANTEE: spinosad                      80%

REGISTRATION NO. 27825 PEST CONTROL PRODUCTS ACT

**MAY CAUSE EYE AND SKIN IRRITATION**

NET CONTENTS: 113.4 g

INDIVIDUAL PACKETS CANNOT BE SOLD SEPARATELY

\*Trademark of Dow AgroSciences LLC

(Overpack)



# Entrust\* 80 W

## Naturalyte\* Insect Control Product

GROUP	5	INSECTICIDE
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A Naturalyte insect control product formulated for the organic grower



Listed by the Organic Materials Review Institute (OMRI) for use in organic production

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NET CONTENTS: 4 x 113.4 g packets

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**Dow AgroSciences Canada Inc.**

Suite 2100, 450 - 1 Street S.W.

Calgary, Alberta

T2P 5H1

1-800-667-3852

\*Trademark of Dow AgroSciences LLC

™Trademark of Organic Materials Review Institute

## **PRECAUTIONS**

### **MAY CAUSE EYE AND SKIN IRRITATION**

### **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.

For sweet corn, do not enter, or allow worker entry, into treated areas within 7 days after application to carry out detasselling or hand harvesting activities.

For crops in the Brassica crop group, do not enter, or allow worker entry, into treated areas for 3 days to carry out hand harvesting, irrigating, pruning, topping, thinning, or tying activities.

For potatoes, do not re-enter treated areas within 12 hours after application.

For all other activities, do not enter, or allow workers, adults, children or pets to enter into treated areas until pesticide residues have dried.

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 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**

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.

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.

[Airblast or Mist blower] application: 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. A buffer zone of 2 metres (early season) or 1 metre (late season) is required between the point of direct application and closest downwind edge of sensitive aquatic habitats if the aquatic habitats are less than 1 metre in depth.

#### **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.

**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.

(Booklet)



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For crops in the Brassica crop group, do not enter, or allow worker entry, into treated areas for 3 days to carry out hand harvesting, irrigating, pruning, topping, thinning, or tying activities.

For potatoes, do not re-enter treated areas within 12 hours after application.

For all other activities, do not enter, or allow workers, adults, children or pets to enter into treated areas until pesticide residues have dried.

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).

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## **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.

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.

[Airblast or Mist blower] application: 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. A buffer zone of 2 metres (early season) or 1 metre (late season) is required between the point of direct application and closest downwind edge of sensitive aquatic habitats if the aquatic habitats are less than 1 metre in depth.

#### **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:

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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.

#### **DIRECTIONS FOR USE - APPLES**

Entrust 80 W Naturalyte Insect Control Product is derived from the fermentation of *Saccharopolyspora spinosa*. Entrust 80 W Naturalyte Insect Control Product is recommended for use in integrated pest management programs. Entrust 80 W Naturalyte Insect Control Product should be applied when scouting indicates that target pest densities have reached the economic threshold. Follow the specific use instructions given in this label to control target pests. Entrust 80 W Naturalyte Insect Control Product should be mixed with water and applied with ground application equipment only. Any insect control agent can become less effective over time if target insects develop resistance to its mode of action. Adherence to local integrated pest management strategies helps to prolong the usefulness of all insect control products.

Do not enter, or allow worker entry into treated areas until pesticide residues have dried.

### Application Rate

Always shake well before use. Avoid freezing. Use the following table.

Insect Pest	Application Rate (g product/ha)	Maximum Number of Applications per Crop per Year
Oblique banded leafroller larvae	109	3

### Application Instructions

Apply product in a minimum of 1000 L water per hectare (amount of water will vary according to tree size). 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. Mix the recommended dosage of Entrust 80 W Naturalyte Insect Control Product in sufficient water to ensure adequate coverage and apply as a dilute spray using ground airblast equipment.

Attention should be given to sprayer speed and calibration, wind speed, and tree foliar canopy to ensure adequate spray coverage of Entrust 80 W Naturalyte Insect Control Product. Ensure all plant parts are thoroughly wetted, to the point of runoff, with spray solution. To determine the number of litres of spray per hectare required in your apple orchard, consult the provincial fruit recommendations guide, or pest management advisors and extension specialists.

### Application Timing

Monitor larval population in the spring, and apply when larvae begin emerging and are actively feeding, but before they roll up in the leaves. For control of the summer generation, monitor adult moth flight and larval densities to determine correct timing application. A repeat application 7 to 10 days after the initial application may be necessary for control. Apply only if treatment thresholds are exceeded. A maximum seasonal rate of 327 g product/ha of Entrust 80 W Naturalyte Insect Control Product may be applied. Avoid treating sequential generations with the same class of insect control products to delay resistance selection. Consult provincial guidelines and local extension experts for monitoring protocols and thresholds for treatment.

**Preharvest Interval: Do not apply within 7 days of harvest.**

## DIRECTIONS FOR USE - POTATOES

### Application Rate

Pest	Application Rate (g product/ha)	Maximum Number of Applications per Crop per Year	Maximum Seasonal Rate (g product/ha/year)
Colorado potato beetle larvae	50-100	Up to 2	150
European corn borer larvae	87.5	1	

### Application Instructions

Always shake well before use. Avoid freezing. Fill the spray tank with water to 1/2 of the total spray volume required. Start agitation and add the required amount of Entrust 80 W Naturalyte Insect Control Product. 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. Do not allow water or spray mixture to back-siphon into the water source. Use power-operated ground spray equipment capable of thorough coverage of the target crop. Orient the boom and the nozzles to obtain uniform crop coverage. Follow manufacturers recommendations for ideal nozzle spacing and spray pressure to optimize uniformity of coverage and maximize deposition within the target area.

### **Application Timing**

Use Entrust 80 W Naturalyte Insect Control Product at the dosages indicated, applied as a foliar spray to control Colorado potato beetle larvae and European corn borer larvae in potato crops. For control of Colorado potato beetle larvae, target eggs at hatch or small larvae. Use the higher application rate for higher pest pressure, or when extended egg hatch is anticipated. A repeat application 7 to 10 days after the initial application may be necessary. For control of European corn borer, time the application of Entrust 80 W Naturalyte Insect Control Product to coincide with peak egg hatch. Scout for European corn borer by monitoring egg laying and egg hatch to determine application timing. Mix the required dosage in sufficient water to ensure thorough and complete coverage of the foliage. A maximum seasonal rate of 150 g product/ha of Entrust 80 W Naturalyte Insect Control Product may be applied. Avoid treating sequential generations with the same class of insect control products to delay resistance selection. Consult with local and provincial pest control advisors and extension specialists to determine specific application timings or additional use recommendations for your area.

**Pre-harvest interval: Do not apply Entrust 80 W Naturalyte Insect Control Product within 7 days of harvest.**

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

Entrust 80 W Naturalyte Insect Control Product contains the active ingredient spinosad which is derived from a naturally occurring organism. Entrust 80 W Naturalyte Insect Control Product 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. Use: 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 Entrust 80 W Naturalyte Insect Control Product to control ornamental insect pests listed in the following table. Dilute Entrust 80 W Naturalyte Insect Control Product 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 (g 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	15	4
western flower thrips	30	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**

Entrust 80 W Naturalyte Insect Control Product 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 Entrust 80 W Naturalyte Insect Control Product is safe to treated plants under commercial growing conditions.

#### **TURFGRASS (LAWNS, SOD AND SEED FARMS, AND GOLF COURSES)**

##### **Application Rate**

Use Entrust 80 W Naturalyte Insect Control Product to control sod webworm. Dilute Entrust 80 W Naturalyte Insect Control Product 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 (g product/ha)</b>	<b>Maximum Number of Applications per Commodity per Year</b>
Sod webworm	30-60	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.

##### **Mixing Instructions**

Fill the spray tank with water to ½ of the total spray volume required. Start agitation and add the required amount of Entrust 80 W Naturalyte Insect Control Product. 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.

**NOTE TO USER:** READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS: The DIRECTIONS FOR USE for this product for the use(s) described below were developed by persons other than Dow AgroSciences Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Dow AgroSciences Canada Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crop(s) listed below.

Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold Dow AgroSciences Canada Inc. harmless from any claims based on efficacy and/or phytotoxicity in connection with the use(s) described below.

### **DIRECTIONS FOR USE**

#### **ROOT AND TUBER VEGETABLES**

Host(s): Horseradish, radish, Oriental radish, rutabaga, turnip  
 Pest(s): cabbage looper, imported cabbage worm, diamondback moth  
 Rate: 87.4 g ai/ha (109 g product/ha)  
 Application: Apply 109 g Entrust 80 W Naturalyte Insect Control Product per hectare in sufficient water to ensure thorough and complete coverage of the foliage. Apply up to a maximum of 3 applications per year. Allow 7 - 10 days between applications. Do not apply within 3 days of harvesting.  
 Timing: Monitor larval population and apply when treatment thresholds are exceeded. Consult provincial guidelines and local extension specialists for monitoring protocols and treatment thresholds.

#### **SWEET CORN**

Host(s): Sweet corn  
 Pest(s): European corn borer  
 Rate: 39.8 g ai/ha (50 g product/ha)  
 Application: Apply 50 g Entrust 80 W Naturalyte Insect Control Product in 1000L water per hectare up to a maximum of 2 applications per year. 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 50 g product per hectare per application. A second application 7 to 10 days after the initial application may be necessary to achieve effective control. Do not apply within 7 days of harvesting. Do not apply within 28 days of fodder harvest or within 7 days of forage harvest.  
 Timing: Scout for European corn borer to monitor egg laying and egg hatch. In order to achieve effective control, applications of Entrust 80 W Naturalyte Insect Control Product must be timed to coincide with peak egg hatch.

#### **LEAFY VEGETABLES, EXCEPT BRASSICA**

Host(s): Arugula, chervil, garden cress, upland cress, endive, head lettuce, leaf lettuce, orach, parsley, radicchio, spinach, New Zealand spinach, vine spinach, cardoon, celery, Chinese celery, celtuce, Florence fennel, rhubarb, Swiss chard  
 Pest(s): cabbage looper, imported cabbage worm, diamondback moth  
 Rate: 87.4 g ai/ha (109 g product/ha)

**Application:** Apply 109 g Entrust 80 W Naturalyte Insect Control Product per hectare in sufficient water to ensure thorough and complete coverage of the foliage. Apply up to a maximum of 3 applications per year. Allow 7 - 10 days between applications. Do not apply within 1 day of harvesting.

**Timing:** Monitor larval population and apply when treatment thresholds are exceeded. Consult provincial guidelines and local extension specialists for monitoring protocols and treatment thresholds.

#### **FRUITING VEGETABLES, EXCEPT CUCURBIT**

**Host(s):** Fruiting vegetables crop group (eggplant, groundcherry, pepino, bell pepper, chili pepper, nonbell pepper, sweet nonbell pepper, tomatillo, tomato)

**Pest(s):** European corn borer, Colorado potato beetle, cabbage looper, imported cabbage worm, diamondback moth

**Rate:**  
 I) 39.8 g ai/ha (50 g product/ha) for European corn borer, Colorado potato beetle  
 II) 87.4 g ai/ha (109 g product/ha) for cabbage looper, imported cabbage worm, diamondback moth

#### **European corn borer**

**Application:** Apply 50 g Entrust 80 W Naturalyte Insect Control Product per hectare in sufficient water to ensure thorough and complete coverage of the foliage. Apply up to a maximum of 2 applications per year. A second application 7 to 10 days after the initial application may be necessary to achieve effective control. Do not apply within 1 day of harvesting.

**Timing:** Scout for European corn borer to monitor egg laying and egg hatch. In order to achieve effective control, applications of Entrust 80 W Naturalyte Insect Control Product must be timed to coincide with peak egg hatch.

#### **Colorado potato beetle**

**Application:** Apply 50 g Entrust 80 W Naturalyte Insect Control Product per hectare in sufficient water to ensure thorough and complete coverage of the foliage. Apply up to a maximum of 3 applications per year. Allow 7 - 10 days between applications. Do not apply within 1 day of harvesting.

**Timing:** Monitor larval population and apply when treatment thresholds are exceeded. Consult provincial guidelines and local extension specialists for monitoring protocols and treatment thresholds.

#### **Cabbage looper, imported cabbage worm, diamondback moth**

**Application:** Apply 109 g Entrust 80 W Naturalyte Insect Control Product per hectare in sufficient water to ensure thorough and complete coverage of the foliage. Apply up to a maximum of 3 applications per year. Allow 7 - 10 days between applications. Do not apply within 1 day of harvesting.

**Timing:** Monitor larval population and apply when treatment thresholds are exceeded. Consult provincial guidelines and local extension specialists for monitoring protocols and treatment thresholds.

**POME FRUITS**

- Host(s): Pome fruits crop group (apple, crabapple, pear, Oriental pear, quince)
- Pest(s): oblique-banded leafroller, three-lined leafroller, fruittree leafroller, European leafroller, eye-spotted budmoth. For the suppression of codling moth.
- Rate: 87.4 g ai/ha (109 g product/ha)
- Application: Apply 109 g Entrust 80 W Naturalyte Insect Control Product in a minimum of 1000L water per hectare. Apply up to a maximum of 3 applications per year. 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. Allow 7 - 10 days between applications. Do not apply within 7 days of harvesting.
- Timing: Monitor larval population in the spring, and apply when they begin emerging and are actively feeding, but before they roll up in the leaves. For control of the summer generation, monitor adult moth flights and larval densities to determine correct timing for application. Apply only if treatment thresholds are exceeded. For the suppression of codling moth, apply at first egg hatch and repeat at 7 to 10 day intervals. Codling moth larvae must be controlled before they enter the fruit. Consult provincial guidelines and local extension experts for monitoring protocols and thresholds for treatment. Avoid use when bees are actively foraging.

**BRASSICA LEAFY VEGETABLES**

- Host(s): Brassica leafy vegetables crop group (broccoli, Chinese broccoli, brussels sprouts, cabbage, Chinese cabbage, Mustard/Chinese cabbage, Napa/Chinese cabbage, cauliflower, broccolo cavalo, kohlrabi, raab (rapini) broccoli, Bok Choy/Chinese cabbage, collards, kale, mustard greens, spinach mustard, rape greens)
- Pest(s): For control of cabbage looper, imported cabbage worm, diamondback moth; for suppression of crucifer flea beetle
- Rate: 87.4 g ai/ha (109 g product/ha)
- Application: Apply 109 g Entrust 80 W Naturalyte Insect Control Product per hectare in sufficient water to ensure thorough and complete coverage of the foliage. Apply up to a maximum of 3 applications per year. Allow 7 - 10 days between applications. Do not apply within 3 days of harvesting.
- Timing: Monitor larval population and apply when treatment thresholds are exceeded. Consult provincial guidelines and local extension specialists for monitoring protocols and treatment thresholds. For the suppression of crucifer flea beetle, apply at the emergence of adult flea beetles and reapply in 7-10 day intervals as necessary.

**STONE FRUITS**

- Host(s): Stone fruits crop group (apricot, sweet cherry, tart cherry, nectarine, peach, plum, chickasaw plum, damson plum, Japanese plum, prune)
- Pest(s): oblique-banded leafroller, three-lined leafroller, fruittree leafroller, European leafroller, eye-spotted budmoth
- Rate: 87.4 g ai/ha (109 g product/ha)
- Application: Apply 109 g Entrust 80 W Naturalyte Insect Control Product in a minimum of 1000L water per hectare. Apply up to a maximum of 3 applications per year. 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. Allow 7 - 10 days between applications. Do not apply within 7 days of harvesting cherries, plums and prunes. Do not apply within 14 days of harvesting apricots, nectarines and peaches.

Timing: Monitor larval population in the spring, and apply when they begin emerging and are actively feeding, but before they roll up in the leaves. For control of the summer generation, monitor adult moth flights and larval densities to determine correct timing for application. Apply only if treatment thresholds are exceeded. Consult provincial guidelines and local extension experts for monitoring protocols and thresholds for treatment. Avoid use when bees are actively foraging.

Host(s): Nectarines

Pest(s): Suppression of Western flower thrips

Rate: 87.4 g ai/ha (109 g product/ha)

Application: Apply 109 g Entrust 80W Naturalyte Insect Control Product in a minimum of 1000L water per hectare. Maximum of 3 applications per season for control/suppression of all pests on nectarines. 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. Do not apply within 14 days of harvest.

Timing: Apply from early petal fall to husk fall. Consult provincial guidelines and local extension experts for monitoring protocols and thresholds for treatment. If monitoring indicates that more than one application is required, allow 7-10 days between applications.

**FOR THE CONTROL OF CHERRY FRUIT FLY ON SWEET AND TART CHERRIES,  
THE BELOW USE DIRECTIONS SHOULD BE FOLLOWED:**

Host(s): Sweet cherry, tart cherry

Pest(s): Cherry fruit fly

Rate: 87.4 g ai/ha (109 g product/ha)

Application: Apply 109 g Entrust 80 W Naturalyte Insect Control Product in a minimum of 1000 L of water per hectare. Thorough coverage of foliage is necessary for optimal control. Consult provincial guidelines and local extension experts for monitoring protocols and thresholds for treatment. Apply up to a maximum of four (4) foliar applications of Entrust 80 W Naturalyte Insect Control Product per crop per year. 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. Allow 5-7 days between applications, shortening the application interval during rainy periods and as fruit ripens. Do not apply within 7 days of harvest.

Timing: Monitor for adult cherry fruit fly and apply as a foliar spray within 6 days of first fly emergence.

**SNAP BEAN**

Host(s): Snap bean

Pest(s): European corn borer

Rate: 39.8 g ai/ha (50 g product/ha)

Application: Apply 50 g Entrust 80 W Naturalyte Insect Control Product per hectare in sufficient water to ensure thorough and complete coverage of the foliage. Apply up to a maximum of 2 applications per year. A second application 7 to 10 days after the initial application may be necessary to achieve effective control. Do not apply within 3 days of harvesting.

Timing: Scout for European corn borer to monitor egg laying and egg hatch. In order to achieve effective control, applications of Entrust 80 W Naturalyte Insect Control Product must be timed to coincide with peak egg hatch.

**CRANBERRY**

Host(s): Cranberry  
 Pest(s): Cranberry Fruitworm (*Acrobasis vaccinii* Riley) SUPPRESSION ONLY  
 Rate: 175 g ai/ha (218 g product/ha)  
 Application: Apply 218 g Entrust 80 W Naturalyte Insect Control Product per hectare in 500 L of water to ensure thorough and complete coverage of the foliage. Apply 1 to 3 applications per year at 7-10 day intervals. Do not apply within 21 days of harvest.  
 Timing: Based on phenological stage of the plant: 3 to 7 days after the fruit set has reached 50%, which corresponds to the beginning of egg hatch.

**DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. To minimize surface water contamination when used on cranberries, all effluent water must be impounded and released when levels of the active ingredient are 49 µg ai/L. Field sprayer (ground boom) application only.

**LOWBUSH BLUEBERRY**

Host(s): Lowbush blueberry  
 Pest(s): Suppression of blueberry flea beetle  
 Rate: 80-105.6 g ai/ha (100-132 grams of product per hectare)  
 Application: Apply 100-132 g Entrust 80 W Naturalyte Insect Control Product per hectare in sufficient water to ensure thorough and complete coverage of the foliage. Use the maximum rate when insect pressure is high. Use a maximum of three applications per season. Do not apply within 3 days of harvest.  
 Timing: For best results, apply Entrust 80 W Naturalyte Insect Control Product when blueberry flea beetles are in the early larval stage. If monitoring indicates that more than one application is required, allow 7-10 days between applications.

**ASPARAGUS**

Host(s): [Asparagus](#)  
 Pest(s): [Asparagus beetle](#)  
 Rate: [88 g product/ha](#)  
 Application: [This product is to be used for the control of asparagus beetle on the ferns only \(post harvest to the spears\). Apply 88 g of Entrust 80 W Naturalyte Insect Control Product per hectare in sufficient water to ensure thorough coverage with a maximum of 3 applications per year. Do not apply within 60 days of harvesting.](#)  
 Timing: [Monitor the population of the pest on a regular schedule and time treatment for just after egg hatch to target early instar larvae. Reapply at an interval of 7 to 10 days if monitoring indicates the need.](#)

Refer to the main Entrust 80 W Naturalyte Insect Control Product label for additional details and instructions.

**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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