

Confirm[®] 240F

INSECTICIDE

AGRICULTURAL

READ THE LABEL AND BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

GUARANTEE: Tebufenozide 240 g/L

Contains 1,2 benzisothiazolin-3-one at 0.02% as a preservative.

REGISTRATION NO. 24503 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 9.46 L

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Irritating to skin upon repeated and prolonged contact. Minimally irritating to eyes. Wear protective clothing (long trousers, long-sleeved shirts), impervious gloves and splash goggles during all mixing, loading and application. Wear a cartridge respirator during application. Protective clothing should be washed before re-use.

OPERATOR USE PRECAUTIONS

Do not enter treated areas without protective clothing until sprays have dried. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

GENERAL USE PRECAUTIONS

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.

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 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.

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 swallowed: Call a poison control centre or doctor immediately for treatment advice. Have a 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.

Produced for / Produit Pour:
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Distributed by / Distribué Par:
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TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on 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 HAZARDS

Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift or run-off from areas treated. Do not apply directly to aquatic systems. Aquatic systems include all permanent lentic (standing) and lotic (flowing) water bodies. This product is toxic to certain aquatic invertebrates. To mitigate impact on these organisms, the minimum buffer zone width from aquatic systems should be 15 m for air-blast sprayers, at a maximum wind speed of 11.2 km/hr.

STORAGE

Store in a cool, dry area do not contaminate water, food or feed by storage or disposal. Avoid contamination of streams, lakes and ponds. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is prohibited.

DISPOSAL

Recyclable Containers:

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.

Returnable Containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

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 Product 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.

Gowan[™]
CANADA

GENERAL INFORMATION

Confirm 240F Agricultural Insecticide is effective against larval Lepidoptera. However, it is essentially non toxic to adult bees. Confirm 240F does not adversely affect beneficial insects such as predatory mites, beetles, wasps, and spiders. These characteristics make this compound ideal for integrated pest management systems.

MODE OF ACTION

Confirm 240F has a novel mode of action in that it mimics the activity of the insect molting hormone, ecdysone, in larval Lepidoptera (caterpillars). Larvae stop feeding within hours of ingestion of a toxic dose of Confirm 240F and soon thereafter begin to undergo an unsuccessful (lethal) molt. Actual mean time to mortality is somewhat dependent on the physiology of the target species and on local environmental conditions, but is generally 3 to 10 days.

GENERAL USE PRECAUTIONS

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DO NOT APPLY BY AIR.

DIRECTIONS FOR USE

READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC INSECT CONTROL OR CROP DAMAGE.

Confirm 240F is an aqueous flowable formulation that mixes readily with water. (Shake container well before using.) Thorough uniform coverage is essential for good insect control. A minimum of 1000 litres of spray mixture/ha is recommended for adequate spray coverage. Orchards with large trees and dense canopies require additional spray mixture to ensure proper coverage. In cultivars where larvae can be sheltered by rapid foliar growth or highly clustered fruit, thorough coverage is essential.

Application Directions

Fruit

Proper timing of application is critical with this product. If application is delayed beyond the recommended time, switch to another insecticide. Monitor other insect pests and apply additional insecticides as required.

Apply no more than 4 applications per year. Do not use this product exclusively for successive generations of any one pest. Rotate the application of Confirm 240F with other recommended insecticides. Do not apply Confirm 240F within 14 days of harvest. Do not feed apple pomace to livestock.

Pest	Rate (L / ha)	Timing of Application
Codling Moth	1.0	CONTROL OF THE FIRST GENERATION OF CODLING MOTH Apply Confirm 240F at 100 degree-days (C) after biofix as determined by the first consistent moth catch in pheromone traps (The lower and upper thresholds for codling moth are 10 and 31 degree C). Biofix is determined to be set when five moths are caught in 3 traps within the orchard. If degree day model information is not available in your area, apply Confirm 240F at first egg hatch which is generally 3 to 5 days before the recommended application timing of organophosphate insecticides. If there is a prolonged egg hatch and/or high insect pressure as determined by population monitoring, a second application for this generation will be required at 250 to 300 degree-days or approximately 14 days after the initial application. CONTROL OF THE SECOND GENERATION OF CODLING MOTH Timing is based on first egg hatch after establishing a new biofix as above. If degree-day model information is not available, apply as per instructions under the first generation. UNDER HIGH INSECT PRESSURE in British Columbia, USE CONFIRM 240F WITH OTHER CONTROL TECHNIQUES SUCH AS PHEROMONE DISRUPTION OR STERILE INSECT RELEASE.

Pest	Rate (L / ha)	Timing of Application
Oblique-banded Leafrollers Overwintering Populations.	0.5 + 0.5 or 1.0	CONTROL OF OVERWINTERING POPULATIONS OF OBLIQUE-BANDED LEAFROLLERS For early season control, Confirm 240F may be applied to protect the blossoms and the fruit from feeding damage. For the single application at the 1.0 litre rate, apply Confirm 240F at pink to petal fall when insects are actively feeding and before they roll up in the leaves. For the split application at the rate of 0.5 litre, apply Confirm 240F at the pink stage with a second application 10 to 14 days later.
Oblique-banded Leafrollers Summer Generation	1.0	SUPPRESSION OF SUMMER GENERATION OBLIQUE-BANDED LEAFROLLER Suppression of oblique-banded leafroller may be achieved by an application of Confirm 240F at egg hatch with a second application 10 to 14 days later if required after population monitoring. Egg hatch usually begins 7 to 10 days after biofix (see below for the definition of biofix). Where insect monitoring is available, apply Confirm 240F at 110-170 degree-days Celsius after biofix as determined by the first consistent moth catch in pheromone traps. (The lower threshold for oblique-banded leafroller is 6.1 °C). Biofix is determined to be set when five moths are caught in 3 pheromone traps within the orchard. The second application would be timed at 280-305 degree-days Celsius which is usually 10 to 14 days after the first application. A third application may be required if there is prolonged egg hatch and/or high insect pressure based on population monitoring.
Winter moth	1.0	For the control of winter moth apply Confirm 240F at the tight cluster to full pink stage of the crop.
Green Pug Moth	1.0	Suppression of green pug moth may be achieved by an application of Confirm 240F applied at tight cluster to full pink stage
Spotted Tentiform Leafminer	0.5 + 0.5 or 1.0	For the suppression of this pest, apply Confirm 240F at first egg hatch of the first generation (apples are usually at the pink stage). Confirm 240F is applied at the rate of 1.0 litre at this stage or used as a split application of 0.5 litre at first egg hatch plus 0.5 litre 10 to 14 days after the initial application.

NOTE TO BUYER/USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR SPECIAL USE APPLICATIONS: The DIRECTIONS FOR USE for this product for the use(s) described below were developed by persons other than Nippon Soda Co., Ltd. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Nippon Soda Co., Ltd. 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 on this label.

Accordingly, the Buyer and User assume all liability arising, and agree to hold Nippon Soda Co., Ltd. harmless from any claims based on efficacy and/or phytotoxicity in connection with the use(s) described on this label.

DIRECTIONS FOR USE

ORNAMENTAL CRABAPPLE TREES:

For the control of codling moth apply Confirm 240F at the rate of 1 litre per hectare. For small areas, use 33-60 mL of Confirm 240F per 100L of water and apply to wet by ground application only. Good spray coverage is essential for control. Apply at first egg hatch and repeat every 14-21 days if the population levels indicate there will be a continuing problem. Do not exceed 4 applications per year.

GREENHOUSE ORNAMENTALS:

For the control of armyworms, cutworms, corn earworm, grapevine moth, cabbage loopers, tobacco budworm, and leafrollers. Apply Confirm 240F at the rate of 0.5 litres per hectare and 1 litre per hectare for leafrollers. Good spray coverage is essential for control. Apply to early larval stages every 10-14 days as needed with high volume spray to runoff. Do not exceed 4 applications per year. Control of the above listed insects on ornamentals is acceptable provided the species is tested for phytotoxic effects prior to use. Spray a small, inconspicuous, portion of the tree or shrub under test and wait 24 hours to see if any adverse effects appear.

GREENHOUSE PEPPERS:

For the control of European Corn Borer: Apply Confirm 240F at the rate of 0.5 litre per hectare. Good spray coverage is essential for control. Apply at intervals of at least 7 days; pre-harvest interval is 3 days; apply in 400 L water/ha; foliar. Do not exceed 4 applications per year. Do not re-enter treated areas within 12 hours.

For the control of cabbage loopers: Foliar application only. Make a maximum of 4 applications per crop cycle. Applications should be made a minimum of 7 days apart. The pre-harvest interval is 3 days. Do not re-enter treated areas within 12 hours. Application rate: Apply at a rate of 140 g ai / ha (0.6 litres per hectare) in 400 L water/ha.

GREENHOUSE TOMATOES:

For the control of cabbage loopers. Foliar application only. Make a maximum of 4 applications per crop cycle. Applications should be made a minimum of 10 days apart. The pre-harvest interval is 2 days. **DO NOT USE TEBUFENOZIDE TREATED TOMATOES FOR PROCESSING.** Do not re-enter treated areas within 12 hours. Application rate: Apply at a rate of 144 g ai/ha (0.6 litres per hectare).

GREENHOUSE LETTUCE:

For the control of cabbage loopers apply on early instars. Apply Confirm 240F at the rate of 0.6 litres per hectare. Apply in sufficient water to ensure thorough coverage. Begin applications when first signs of feeding damage appear and repeat applications in 10-14 days if necessary, as determined by population monitoring. Do not exceed 2 applications per crop cycle. Do not re-enter treated areas within 12 hours. The pre-harvest interval is 14 days.

PEARS:

For the control of codling moth, obliquebanded leafroller and threelined leafroller on pears. Apply Confirm 240F at a rate of 1.0 litre per hectare. Apply up to four applications per season. The pre-harvest interval is 14 days. **DO NOT** reenter treated areas within 12 hours of application. For use in British Columbia only.

CRANBERRIES:

For the control of blackheaded fireworm, and *sparganthis* fruitworm on cranberries. Apply Confirm 240F at the rate of 1.2 L per hectare in a minimum of 190 L water per hectare. Apply up to a maximum of 4 applications per season, ground application only. For first generation, apply at first sign of larval infection and make a second application approximately 10 days later. For second generation, apply at about 10% egg hatch followed by another application approximately 10 days later. Do not apply Confirm 240F within 30 days of harvest.

Refer to the main Confirm 240F label for additional details and instructions, including preharvest intervals, before using.

READ THE ROTATIONAL CROPPING RESTRICTIONS ON THE FULL LABEL BEFORE USING THIS PRODUCT.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that Confirm 240F contains a Group 18 insecticide. Any insect population may contain individuals naturally resistant to Confirm 240F and other Group 18 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 Confirm 240F or other Group 18 insecticides with different groups that control the same pests in a field, i.e., use Confirm 240F in one or more applications to control a single generation of the insect pest then rotate to a product with a different mode of action for the next generation.
- 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 Nippon Soda Co., Ltd. at 1-212-490-0351.

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