

CONFIDOR® 200 SL

Systemic Insecticide

FOR SYSTEMIC CONTROL OF INSECT PESTS ON DECIDUOUS AND CONIFEROUS TREES.

FOR INJECTION INTO TREES IN NURSERIES, GREENHOUSES, INTERIOR AND EXTERIOR PLANTSCAPES, AND IN PRIVATE, MUNICIPAL, PROVINCIAL, AND NATIONAL FORESTED AREAS.

SOLUTION
RESTRICTED

GUARANTEE: Imidacloprid 17.1%

REGISTRATION NUMBER 29703 PEST CONTROL PRODUCTS ACT

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

NET CONTENTS: 0.5 L, 1 L



BAYER CROPSCIENCE INC.*
Suite 200, 160 Quarry Park Blvd. S.E.
Calgary, Alberta T2C 3G3
Telephone: 1 888 283- 6847

*BAYER ENVIRONMENTAL SCIENCE
A DIVISION OF BAYER CROPSCIENCE

Confidor is a registered trademark of Bayer

FIRST AID

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.

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

TOXICOLOGICAL INFORMATION: No specific antidote is available. Treat the patient symptomatically.

STORAGE

Keep in original container until use. Check any plastics for compatibility. Store in cool, dry place, away from direct sunlight, feed or foodstuffs. Keep container tightly sealed when not in use. Do not store below 5 degrees Celsius or above 40 degrees Celsius. Shake well before using.

Do not contaminate water, food, or feed by storage or disposal.

DISPOSAL

1. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
2. Make the empty container unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements.
4. All unused product must be returned to the manufacturer. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Wear a long-sleeved shirt, long pants, and chemical-resistant gloves during mixing, loading, application, cleaning and repair and during removal of injection devices from trees. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Apply this product only in accordance with this label. This product is highly toxic to aquatic invertebrates. Do not mix, load or clean equipment within 30 metres of wellheads or aquatic systems. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

TOXIC to bees. This product is systemic and is transported upwards through the tree. Bees can be exposed to residues in floral pollen and/or nectar resulting from tree injections.

RESTRICTED USE

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.

NATURE OF RESTRICTION: This product is to be used only in the manner authorized. For use only by Certified Applicators or persons under their direct supervision, only for those uses covered by the Certified Applicator's certification. This product can only be used in conjunction with a federal, provincial or municipal government control program, consult local pesticide regulatory authorities about use permits which may be required

GROUP

4A

INSECTICIDE

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4. All unused product must be returned to the manufacturer. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Wear a long-sleeved shirt, long pants, and chemical-resistant gloves during mixing, loading, application, cleaning and repair and during removal of injection devices from trees. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. **ONLY FOR CLOSED APPLICATION SYSTEMS.** Do not leave the application site unattended during the treatment process. Ensure that after application, there is no leakage from the plugged injection holes of host trees.

ENVIRONMENTAL HAZARDS

Apply this product only in accordance with this label. This product is highly toxic to aquatic invertebrates. Do not mix, load or clean equipment within 30 metres of wellheads or aquatic systems. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

TOXIC to bees. This product is systemic and is transported upwards through the tree. Bees can be exposed to residues in floral pollen and/or nectar resulting from tree injections. Applications to ash, black locust, elm, hackberry, horse chestnut, maple, mountain ash, ornamental apple, poplar, silk tree, sycamore/London plane tree and willow must be made post-bloom. Applying post-bloom reduces risk; however, some residues may carryover to the next season.

Do not apply more than once per year per tree.

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NATURE OF RESTRICTION: This product is to be used only in the manner authorized. For use only by Certified Applicators or persons under their direct supervision, only for those uses covered by the Certified Applicator's certification. This product can only be used in conjunction with a federal, provincial or municipal government control program, consult local pesticide regulatory authorities about use permits which may be required.

Do not formulate this product into other end-use products.

DIRECTIONS FOR USE

CONFIDOR® 200 SL Systemic Insecticide may be used as directed on ornamental and landscape trees such as in residential areas, rural lands, farms, business and office complexes, shopping complexes, multi-family residential complexes, golf courses, airports, cemeteries, parks, ravines, playgrounds, and athletic fields. CONFIDOR® 200 SL Systemic Insecticide also can be used in commercial forestry production, nurseries, greenhouses, and in federal, provincial, county and local forests and recreational areas. Systemic activity occurs only after the active ingredient is translocated upwards in the tree. In some cases, translocation can take 10 days or longer, depending on the transpiration rate of the treated tree. For best results (i.e., to ensure uptake), application should be made when the tree is actively transpiring.

NOTE: Not for use on trees used to produce fruits, nuts, or syrup for consumption. Do not apply more than once per year per tree.

Application Equipment

Confidor® 200 SL Systemic Insecticide can be applied with a variety of trunk injection devices. Devices should be chemically-resistant. For all injector systems, read carefully and follow all manufacturer's directions for use.

Drilling the hole

With most injector systems, it is necessary to predrill holes prior to insertion of the applicator device. Holes should be drilled deep enough to permit transport of Confidor® 200 SL Systemic Insecticide upwards in the vascular tissue.

APPLICATION METHODS TO TREES

1. Measure the DBH (Diameter at Breast Height) in centimetres of the tree to be injected.
2. Multiply the DBH by the correct amount of Confidor® 200 SL Systemic Insecticide in the table below to determine the volume of Confidor® 200 SL Systemic Insecticide needed.
3. Inject the calculated amount of Confidor® 200 SL Systemic Insecticide into the trunk of the tree by drilling pre-determined holes sized according to the tree injection equipment being used and inject directly into the tree. Use only accurately calibrated equipment normally used for tree injection purposes. Check calibration periodically to ensure the equipment is working properly.
4. Following each application of Confidor® 200 SL Systemic Insecticide, seal all injection holes.

Pest	Host Trees	Application rate (mL/cm DBH)
Asian Long-horned Beetle*	Birch, elm, hackberry, horse chestnut, maple, mountain ash, poplar, silk tree, sycamore/ London plane tree, willow	1.25
Brown spruce longhorn beetle*	Spruce	
Emerald Ash Borer*	Ash	
Bronze birch borer*	Birch	0.30
Cottony ash psyllid	Ash	
European elm scale	Elm	
Elm leafminer	Elm	
Hemlock woolly adelgid	Hemlock	
Locust leafminer	Black locust	
Woolly apple aphid	Ornamental apple	

*Treatment with Confidor® 200 SL Systemic Insecticide may provide only suppression.

Notes: Trees with vascular tissue damage caused by boring larvae will not translocate the active ingredient in Confidor® 200 SL Systemic Insecticide as well as undamaged trees, resulting in lower efficacy. Applications at the rate of 1.25 mL/cm DBH should be made with high pressure injection systems (345-1379 kPa [50-200 psi]); applications at the rate of 0.30 mL/cm DBH may be made with lower pressures (207 kPa [30 psi] or less). Injections should be made when trees are actively transpiring, generally April –September. For trees that may be visited by pollinators (such as ash, black locust, elm, hackberry, horse chestnut, maple, mountain ash, ornamental apple, poplar, silk tree, sycamore/London plane tree and willow), applications must be made post-bloom.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that Confidor® 200 SL Systemic Insecticide contains a Group 4 insecticide. Any insect population may contain individuals naturally resistant to Confidor® 200 SL Systemic Insecticide and other Group 4 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action, but 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 Confidor® 200 SL Systemic Insecticide or other Group 4 insecticides with different groups that control the same pests in a field.
- Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Before applying Confidor® 200 SL Systemic Insecticide, correctly identify the pest and ensure economic and agronomic thresholds are met as recommended by local provincial or IPM specialists.
- 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 Bayer CropScience via internet at www.bayercropscience.ca or phone 1-888-283-6847.

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