

\*\* CONTAINER\*\*

GROUP	4	INSECTICIDE
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**Modalex® 600**  
**Seed Treatment Insecticide**  
SUSPENSION

**Modalex 600** is a systemic insecticide seed treatment for use on canola and rapeseed for the control of listed insect pests. For use in commercial seed treatment facilities with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. No open transfer of **Modalex 600**.

COMMERCIAL

ACTIVE INGREDIENT: Clothianidin ..... 600 g/L

Contains 1,2-benzisothiazolin-3-one at 0.04% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.001% and 2-methyl-4-isothiazolin-3-one at 0.0004%, as preservatives

REGISTRATION NO. 35358

PEST CONTROL PRODUCTS ACT

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT  
1-800-454-2673



WARNING

POISON

NET CONTENTS : 56.8 L - 1000 L

This product contains no colourant. An appropriate colourant must be added when this product is applied. Regulations pertaining to the *Seeds Act* must be strictly adhered to when using this product. A baby blue colourant must be added when this product is applied to canola/rapeseed.

BASF Canada Inc.  
5025 Creekbank Road  
Building A, 2nd Floor  
Mississauga, Ontario L4W 0B6  
1-877-371-2273

Modalex is a registered trade-mark of BASF Corporation, used under license by  
BASF Canada Inc.

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.

## 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. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. 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 is available. Treat the patient symptomatically.

## PRECAUTIONS

### SAFETY PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Harmful or fatal if swallowed. Harmful if absorbed through skin. Avoid contact with skin or clothing. Wash hands thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

SEED TREATMENT WORKERS: Workers mixing, loading, treating, clean-up, or maintaining and repairing seed treatment equipment, bagging, sewing or stacking treated seed must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, head gear, and respiratory protection (i.e., NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood).

### User Safety Recommendations

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product.
- Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.

- Follow manufacturer's instructions for cleaning/maintaining. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms.

Treated seed is toxic to birds and small wild mammals.

Clothianidin is toxic to bees. Dust generated during planting of treated seed may be harmful to bees and other pollinators.

To help minimize the dust generated during planting, refer to the "Pollinator Protection and Responsible Use of Treated Seed - Best Management Practices" on the Health Canada webpage on pollinator protection at [www.canada.ca/pollinators](http://www.canada.ca/pollinators).

When using a seed flow lubricant with this treated seed, only a dust-reducing fluency agent is permitted. Carefully follow use directions for the seed flow lubricant. Do not load or clean planting equipment near bee colonies, and avoid places where bees may be foraging, such as flowering crops or weeds. When turning on the planter, avoid engaging the system where emitted dust may contact honeybee colonies.

Spilled or exposed seeds and dust must be incorporated into the soil or cleaned up from the soil surface.

Bees can be exposed to product residues in flowers, leaves, pollen and/or nectar resulting from seed treatments. When used according to label directions, minimal exposure or risk is expected.

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

This product demonstrates the properties and characteristics associated with chemicals in the groundwater. The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g., sandy soil) and/or the depth to the water table is shallow.

## STORAGE

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

Store this product away from food and feed. Store in a cool dry place. Do not store in direct sunlight. Protect from freezing temperatures.

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## DISPOSAL

### RECYCLABLE CONTAINER

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.

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\*\* BOOKLET\*\*

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This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

## USE RESTRICTIONS

- Do not use treated seed for food, feed, or oil processing.
- Due to seed quality conditions beyond the control of BASF, no claims are made to guarantee germination of carry-over seed.
- Rape greens and seed grown or harvested from **Modalex 600**-treated seed must not be used for feed or human consumption.
- Rapeseed grown and harvested from **Modalex 600**-treated seed is only for industrial uses and cannot be used for edible oil or any other human/feed consumption.

## LABELING OF TREATED SEED

All bags containing treated seed must be labelled or tagged as follows:

- This seed has been treated with clothianidin.
- Do not use for feed, food or oil processing.

- Rape greens and seed grown or harvested from clothianidin-treated seed must not be used for feed or human consumption.
- Store away from feeds and other foodstuffs.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- This product is toxic to aquatic invertebrates.
- Dispose of all excess treated seed. Left over treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements.
- Dispose of seed packaging in accordance with local requirements.
- Spilled or exposed seeds and dust must be incorporated into the soil or cleaned up from the soil surface.

## STORAGE

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

Store this product away from food or feed. Store in a cool place. Do not store in direct sunlight. Protect from freezing temperatures.

## DISPOSAL

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## SEED QUALITY AND STORAGE OF TREATED SEED

Laboratory and field studies have shown that **Modalex 600** applied to canola seed will not adversely affect germination.

Due to seed quality conditions beyond the control of BASF, no claims are made to guarantee germination of carry-over seed. Treatment of mechanically scarred or damaged seed, or of seed known to be of low germ, low vigour and poor quality is not recommended.

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of BASF, no claims are made to guarantee germination of carry-over seed.

#### DIRECTIONS FOR USE

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

**Modalex 600** is a systemic insecticide seed treatment for use on canola and rapeseed for the control of listed insects.

For use in commercially available equipment designed for seed treatment only. Not for use in hopper-box, slurry-box, or similar seed treatment applications used at planting. This product is to be used in liquid or slurry treaters. Mix thoroughly before use or use entire container at one time. Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with **Modalex 600**.

**SPECIAL USE RESTRICTION:** This product contains no colourant. An appropriate colourant must be added when this product is applied. Regulations pertaining to the *Seeds Act* must be strictly adhered to when using this product. A baby blue colourant must be added when this product is applied to canola/rapeseed.

#### ROTATIONAL CROP RESTRICTIONS

Corn, canola and rapeseed may be replanted at any time. A one-year plantback interval is required for leafy, root and tuber vegetables. A 30-day plantback interval on cereal grains, grasses, nongrass animal feeds and soybeans and dried beans is required.

#### RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, **Modalex 600** contains a Group 4 insecticide. Any insect population may contain individuals naturally resistant to **Modalex 600** and other Group 4 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same field. 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 **Modalex 600** or other Group 4 insecticides with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that is effective on the target pest when such use is permitted.
- Insecticide use should be based on an integrated pest management (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 BASF at 1-877-371-2273 or at [www.agsolutions.ca](http://www.agsolutions.ca).

#### APPLICATION INSTRUCTIONS

Crop	Pest	Rate Modalex 600	Remarks
Canola, Rapeseed	Flea beetle	250 mL, 333 mL or 666 mL per 100 kg seed	250 mL/100 kg seed: For use under low to moderate flea beetle pressure. 333 mL/100 kg seed: For a higher level of control under moderate flea beetle pressure. 666 mL/100 kg seed: For use under high to extreme flea beetle pressure where extended control is required.  Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with <b>Modalex 600</b> .

#### TANK MIXES

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions for Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact BASF Canada at 1-877-371-2273 for information before applying any tank mix that is not specifically recommended on this label.