

VICTRATO® 2

GROUP	7	FUNGICIDE
GROUP	N-3	NEMATICIDE

SEED TREATMENT FUNGICIDE/NEMATICIDE

COMMERCIAL

SUSPENSION

A seed treatment product for use on soybeans for the control of early season infection by *Fusarium virguliforme*, the causal agent of Sudden Death Syndrome, and suppression or control of Soybean Cyst Nematode.

TYMIRIUM® technology*

ACTIVE INGREDIENT:

Cyclobutrifluram 500 g/L

Contains 1,2-benzisothiazolin-3-one at 0.037%, 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00067%, and 2-methyl-4-isothiazolin-3-one at 0.00022% as preservatives.

*TYMIRIUM® technology denotes the Syngenta trademark for the active ingredient cyclobutrifluram

READ THE LABEL AND PAMPHLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN
CAUTION – SKIN IRRITANT
Warning: contains the allergen sulfites

REGISTRATION NUMBER: **35684**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 L to 1050 L**

Syngenta Canada Inc.
140 Research Lane, Research Park
Guelph, Ontario N1G 4Z3
Telephone: 1-877-964-3682

ALL SEED TREATED WITH THIS PRODUCT MUST BE CONSPICUOUSLY COLOURED AT THE TIME OF TREATMENT

For soybeans, on-farm or commercial seed treatment (facilities and mobile treaters) with open or closed transfer equipment is permitted.

Label

1.0 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.

2.0 FIRST AID

IN CASE OF POISONING, contact a doctor or a poison control centre **IMMEDIATELY**. 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. 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.

3.0 TOXICOLOGICAL INFORMATION

There is no specific antidote. Treat symptomatically.

4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS.

May irritate skin. Avoid contact with skin.

Apply only in a way that this product will not contact workers or other persons, either directly or through drift. Only workers wearing personal protective equipment may be in the area where treating, bagging, sewing and/or stacking is occurring.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE) AND ENGINEERING CONTROLS

Follow the personal protective equipment and restriction requirements for the appropriate task and scenario:

Seed Type	Tasks	PPE/ Engineering Controls
<u>For Commercial Seed Treatment Facilities and Mobile Treaters</u>		
<i>Soybeans</i>	Mixing, loading, treating, and calibrating	Open or closed transfer. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. For good hygiene practice, it is also recommended to wear a respirator ¹ .
	Cleaning, repairing, bagging, sewing, stacking, and any other activities involving handling treated seed	Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and a respirator ¹
<u>For Planting Commercially Treated Seed</u>		
<i>Soybeans</i>	Handling and planting	Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and a respirator ^{1,2} . Use a closed-cab tractor when planting. Gloves and a respirator are not required within a closed cab.
<u>For On-Farm Seed Treatment and Planting</u>		
<i>Soybeans</i>	Mixing, loading, transferring, treating and calibrating	Open or closed transfer. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.
	Cleaning, repairing, handling and planting treated bulk or bagged seed	Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and a respirator ^{1,2} . Use a closed cab tractor when planting. Gloves and a respirator are not required within a closed cab.

¹ A respirator is a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested.

² The respirator is not required during planting when the closed cab provides both a physical barrier and respiratory protection (such as dust/mist filtering and/or vapour/gas purification system). The closed cab must have a chemical-resistant barrier that totally surrounds the occupant and prevents contact with pesticides outside the cab.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash splashes from skin IMMEDIATELY with plenty of water. Remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. As soon as possible, wash thoroughly and change into clean clothing. After spraying, wash hands and shower thoroughly with soap and water.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. DO NOT reuse them.

Users should wash hands and exposed skin before eating, drinking, chewing gum, using tobacco, applying cosmetics or using the toilet.

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

Wear freshly laundered clothes daily.

DO NOT wear contaminated shoes.

While using product, DO NOT eat, drink or use tobacco (including smoking).

6.0 ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms.

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.

Any spilled or exposed treated seeds must be incorporated into the soil or otherwise cleaned up from the soil surface.

7.0 USE LIMITATIONS

1. Treated seed must not be used for food, feed or oil processing.
2. Store away from food, feed, and out of the reach of children and animals.
3. Soybeans and romaine lettuce may be planted back immediately, cereals and corn may be planted back after 120 days and all other crops may be planted back after 365 days to fields in which seed treated with VICTRATO® 2 were planted.
4. DO NOT graze or feed livestock on treated area after planting seeds treated with VICTRATO 2.
5. All bags containing treated seed for sale or use in Canada must be labeled or tagged as follows: **"This seed has been treated with cyclobutrifluram. During handling and planting of treated seed, wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested. Use a closed-cab tractor when planting. Gloves are not required within a closed cab. A respirator is not required when the closed cab provides both a physical barrier and respiratory protection (such as a dust/mist filtering and/or vapour/gas purification system). DO NOT plant any crop other than soybeans or romaine lettuce within 0 days, cereals and corn within 120 days and all other crops within 365 days to fields in which treated seeds were planted. DO NOT graze or feed livestock or cut for hay on seeded area after planting VICTRATO 2 treated seeds. Toxic to aquatic organisms. DO NOT use for food, feed or oil processing. Store away from food and feedstuffs. Keep out of reach**

of children and domestic animals. Any spilled or exposed treated seeds must be incorporated into the soil or otherwise cleaned up.”

8.0 STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well-ventilated area away from other pesticides, feed, seed, and foodstuffs, and out of the reach of children and animals. To prevent contamination, store this product away from fertilizer.

Ideal storage temperature is above freezing and below 30°C. If the product should freeze, bring the product back to room temperature and ensure the contents are mixed well prior to application.

9.0 DISPOSAL

For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for cleanup of spills.

For 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 tank mixture in the tank.
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For Refillable Containers

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. DO NOT reuse this container for any other purpose.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,
CALL 1-800-327-8633 (FASTMED)***

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Pamphlet

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Keep in original container, tightly closed, during storage. Store in a cool, dry, well-ventilated area away from other pesticides, feed, seed, and foodstuffs, and out of the reach of children and animals. To prevent contamination, store this product away from fertilizer.

Ideal storage temperature is above freezing and below 30°C. If the product should freeze, bring the product back to room temperature and ensure the contents are mixed well prior to application.

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CALL 1-800-327-8633 (FASTMED)***

10.0 PRODUCT INFORMATION

VICTRATO 2 is a seed treatment product containing the fungicide/nematicide cyclobutrifluram for the control or suppression of listed pests in soybeans. It is in a formulated suspension. Read all

label directions before use. All applications must be made according to the use directions that follow.

Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigour and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination, reduced emergence and/or reduction of seed and seedling vigour. Treat a small quantity of seed using equipment similar to that planned for treating the total seed lot. Conduct germination tests on a small portion of the seed before committing the total seed lot to a selected seed treatment. Due to seed quality and seed storage conditions beyond the control of Syngenta Canada Inc. no claims are made to guarantee the germination of carry-over treated seed.

11.0 DIRECTIONS FOR USE

11.1 General Information

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

DO NOT apply by air.

VICTRATO 2 is a seed treatment formulation for use on soybeans by commercial seed treatment (in facilities or with mobile treaters) and by on-farm treatment using seed treatment equipment that accurately meters, mixes and applies a flowable seed treatment. The equipment must provide uniform coverage of VICTRATO 2 on the seed. Uneven seed coverage may not give the desired level of pest control. Allow the seed to dry before bagging, storing or seeding.

This product contains no colourant. Users are responsible for ensuring that the treated seed, when dried and ready for bagging, has an unnatural colour. 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. Seed must be conspicuously coloured at the time of treatment.

11.2 Mixing Instructions (Slurry Application)

Thoroughly mix the recommended amount of VICTRATO 2 with the required amount of water for the slurry treater and dilution rate to be used. Slurry volumes will vary depending on seed size. Follow the manufacturer's application instructions for the seed treatment equipment being used. Maintain constant agitation of the slurry during the treatment.

11.3 Rotational Crop Restrictions

Crops	Plant back interval
Soybeans, Romaine lettuce	0 days
Crop Group 15 (Cereal grains)	120 days
Other crops	365 days

12.0 CROP USE DIRECTIONS

12.1 Soybeans

CROP	Soybeans
PEST	Suppression or control of soybean cyst nematode (<i>Heterodera glycines</i>) and control of early season infection by <i>Fusarium virguliforme</i> (the causal agent of sudden death syndrome).
RATE	50 – 100 mL/100 kg seed (25 - 50 g ai/100 kg seed)* These rates are equivalent to 0.076 -0.1515 µL/seed (0.0375 – 0.0756 mg ai/seed), respectively, based on a seed weight of 6600 seeds/kg. If applied on a unit basis, rates are equivalent to 10.6- 21.2 mL/140,000 seeds. Use lower rate under low to moderate pest pressure and high rate under high pest pressure situations. * Early season control and late season suppression of soybean cyst nematode at 50 mL/100 kg seed, but control at 100 mL/100 kg seed.
APPLICATION METHOD	Seed treatment
NOTES	VICTRATO 2 should be used as part of an Integrated Pest Management program that includes using soybean varieties with SCN tolerance to achieve the best possible yield. For proper coverage, apply a total slurry volume of VICTRATO 2 plus water at 325 mL per 100 kg of seed. Apply a total slurry volume of VICTRATO 2 plus water (or Rhizobia inoculant at rates recommended by the manufacturer to achieve proper total slurry volumes) to a total volume of 325 mL per 100 kg of seed. Maximum amount of cyclobutrifluram containing products per season is 100 g ai/ha.

12.2 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 Syngenta Canada Inc. at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small

area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

13.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, VICTRATO 2 contains a Group 7 fungicide/Group N-3 nematicide. Any fungal or nematode population may contain individuals naturally resistant to Group 7 fungicide or Group N-3 nematicide. A gradual or total loss of pest control may occur over time if these fungicides/nematicides are 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 fungicide/nematicide resistance:

Where possible, rotate the use of this product or other Group 7 fungicide/Group N-3 nematicide with different groups that control the same pathogens or nematodes.

Use tank mixtures with fungicides and nematicides from a different group that is effective on the target pathogen or nematode when such use is permitted.

Fungicide and nematicide use should be based on an integrated pest management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease/nematode development, disease and nematode thresholds, as well as cultural, biological and other chemical control practices.

Monitor treated fungal and nematode populations for sign of resistance development. Notify Syngenta Canada Inc. if reduced sensitivity of the pathogen or nematode to VICTRATO 2 is suspected.

If disease or nematode population continues to progress after treatment with this product, DO NOT increase the use rate. Discontinue use of this product, and switch to another fungicide/nematicide with a different target site of action, if available.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens/nematodes.

For further information and to report suspected resistance, contact Syngenta Canada Inc. company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.