

GROUP	30	INSECTICIDE
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A22466 CP

INSECTICIDE

COMMERCIAL

SUSPENSION

For soil use in corn to control insect pests

PLINAZOLIN® technology*

ACTIVE INGREDIENT:

Isocycloseram300 g/L

Contains 2-bromo-2-nitropropane-1,3-diol at 0.04%; 5-chloro-2-methyl-4-isothiazolin-3-one at 0.001% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

*PLINAZOLIN® technology denotes the Syngenta trademark for the active ingredient isocycloseram

**READ THE LABEL AND PAMPHLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

**DANGER - CORROSIVE TO EYES
POTENTIAL SKIN SENSITIZER**

REGISTRATION NO.: **35772**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 L to 1000 L**

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

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

Probable mucosal damage may contraindicate the use of gastric lavage. There is no specific antidote. Treat symptomatically.

4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS.

Corrosive to the eye. DO NOT get in eyes. Potential skin sensitizer.

DO NOT eat, drink or smoke/vape while using this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum/tobacco, smoking/vaping, using the toilet or handling mobile devices. Vehicle cabs **MUST** be decontaminated regularly.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

Read and follow all tank mix partner labels and observe the most stringent label restrictions, precautions and instructions for each tank mixture.

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)

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. In addition, wear protective eyewear (goggles or faceshield) during mixing, loading, clean-up and repair. Gloves are not required during application with a closed cab.

If the product comes in contact with clothing/PPE, remove all contaminated clothing/PPE, wash the outside of gloves with soap and water before removing, wash contaminated skin with soap and water and then dress in clean clothing. Launder contaminated clothing/PPE regularly and separately from other laundry. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. DO NOT reuse them.

6.0 ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms. Observe vegetative filter strips specified under DIRECTIONS FOR USE.

Toxic to bees. However, this product is not systemic and when used according to label directions, minimal exposure or risk is expected.

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.

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. To reduce risk to aquatic organisms from runoff, a vegetative filter strip of at least 10 metres wide between the application area edge and adjacent, downhill aquatic habitats must be observed, as specified under DIRECTIONS FOR USE.

7.0 STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well-ventilated secure area away from other pesticides, and out of the reach of children, unauthorized persons and animals. Store this product away from seed, food, feed or fertilizer.

If A22466 CP should freeze, allow to thaw and agitate thoroughly prior to use.

8.0 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 clean-up 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 spray mixture in the tank.
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***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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9.0 PRODUCT INFORMATION

A22466 CP is a broad spectrum insecticide recommended for the control of insect pests on corn.

10.0 DIRECTIONS FOR USE

10.1 General Information

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.

Runoff Management

A Vegetative Filter Strip (VFS) of at least 10 metres wide must be constructed and maintained. The VFS is required between the application area edge and adjacent, downhill aquatic habitats to reduce risk to aquatic organisms from runoff. Aquatic habitats include, but are not limited to, lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, and estuaries. The VFS is to be composed of grasses and may also include shrubs, trees, or other vegetation. Both VFS and spray buffer zones, if applicable, must be observed. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

A22466 CP has been developed and extensively tested by Syngenta to offer the broadest possible range of compatibility with liquid in-row starter and pop-up fertilizers. It is nonetheless recommended to test the compatibility of A22466 CP in a carrier using a jar test prior to first use. A22466 CP will disperse into compatible carriers evenly to create a homogeneous mixture.

DO NOT apply this product through any type of irrigation system.

DO NOT apply this product as a T-band treatment.

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 1-877-SYNGENTA / 1-877-964-3682 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.

10.2 Ground Application

10.2.1 Mixing Instructions

1. Spray equipment should be thoroughly flushed with clean water before mixing A22466 CP.
2. Fill tank 1/2 full with carrier. Engage gentle agitation.
3. Pour in the required amount of wettable powder or wettable granule, if applicable.
4. Fill tank 3/4 full and add A22466 CP and other SE or SC liquid products, if applicable.
5. Fill tank 9/10 full and add EC products or liquid solutions
6. Finish filling tank. Maintain gentle agitation during mixing and application.
7. DO NOT let stand without agitation.

When using chemical handling equipment to fill the planter, the following additional recommendations apply:

- WG and DF formulations are preferentially batch mixed.
- SC, SN, and SL formulations may be inducted or batch mixed.
- EC formulations are preferentially batch mixed.

10.2.2 Application Instructions

1. Carrier Volume: Apply in a minimum spray volume of 20 L/ha OR the volume given in the crop and pest specific instructions tabulated below, whichever is LARGER.
2. Nozzles: Use hydraulic nozzles or micro-tubes when applying in furrow, behind the furrow openers and ahead of the press wheels.
3. Ensure tank agitation is engaged whenever possible.
4. Keep bypass line at bottom of tank to minimize foaming, where applicable.
5. Use 16 mesh suction screens, 50 mesh line and tip screens.

10.2.3 Equipment Clean-Up

Before Spraying:

Prior to using A22466 CP, ensure that the tank, chemical handling equipment, lines and filter are thoroughly cleaned.

After Spraying:

Thoroughly clean application equipment immediately after spraying. **DO NOT** allow A22466 CP residue to dry within application equipment.

When using tank mixes, consult the tank-mix partner label for additional clean-up instructions. The following recommendations are provided:

1. Drain and flush tank walls, boom and all hoses for ten minutes with a clean water/detergent mixture. Rinse with clean water. **DO NOT** clean application equipment near desirable vegetation, wells or other water sources.
2. Remove all nozzles and screens and wash separately.
3. Dispose of all rinsate in accordance with provincial or territorial regulations.

10.3 Rotational Crop Restrictions

Crop, Crop Group, or Crop Subgroup	Plant-back Intervals (days)
Tuberous and Corm Vegetables (CSG1C)	0
Leafy Vegetables (CG4-13), except head lettuce	
<i>Brassica</i> Head and Stem Vegetables (CG5-13)	
Lentils	
Fruiting Vegetables (CG8-09)	
Cucurbit Vegetables (CG9)	
Barley, oats, rye, triticale, wheat (spring, winter, durum)	
Corn (field, seed, pop)	

Soybeans	
Peanuts	
All other crops intended for food and feed not listed on the label	120

10.4 Spray Drift Management and Application Requirements

Use good pesticide practices and apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and parks is minimal. Take into consideration wind speed, wind direction, temperature, application equipment and sprayer settings used for application.

For the protection of non-target habitats, over-spray or drift to any body of water or other environmentally sensitive habitat must be avoided. The interaction of equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

11.0 CROP USE DIRECTIONS

11.1 Corn

CROPS	Corn (field, seed, pop)
PESTS	Corn rootworm larvae (Northern, Western) Wireworms
USE RATE	1.84-3.78 mL/100 m row
APPLICATION METHOD	In-furrow
APPLICATION TIMING	Apply at Planting
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	1
PRE-HARVEST INTERVAL (PHI)	At maturity (grain and forage)
WATER VOLUME	Minimum 20 L/ha
NOTES	In-Furrow Applications: Apply into the seed furrow through spray nozzles or microtubes, behind the planter furrow openers and in front of the press wheel. For best control of Wireworms, apply the liquid as an in-furrow treatment. DO NOT graze livestock within 21 days. Maximum amount of A22466 CP per crop is 500 mL/ha. DO NOT apply any subsequent application of isocycloseram (for example by foliar application) following treatment with an in-furrow application of A22466 CP.

mL of A22466 CP required per hectare for Typical Row Spacings						
	Row Spacing					
mL/100 m of row	96 cm	91 cm	76 cm	56 cm	51 cm	38 cm
1.84 mL	192 mL	202 mL	242 mL	329 mL	361 mL	484 mL
2.81 mL	293 mL	309 mL	370 mL			
3.78 mL	394 mL	415 mL	497 mL			

12.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, A22466 CP contains a Group 30 insecticide/acaricide. Any insect/mite population may contain individuals naturally resistant to A22466 CP and other Group 30 insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides is 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 A22466 CP or other Group 30 insecticides/acaricides with different groups that control the same pests.

Use tank mixtures with insecticides/acaricides from a different group that is effective on the target pest when such use is permitted.

Insecticide/acaricide use should be based on an integrated pest management program that includes scouting and 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 and to report suspected resistance, contact Syngenta Canada Inc. company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

Application Limitations and Pre-harvest Intervals

Crop*	Maximum Product Rate/ha/ Application (mL/ha)	Minimum Re-Treatment Interval (days)	Maximum Total Product Rate/ha/ Season (mL/ha)	Pre-Harvest Interval (PHI) (days)
Corn (field, seed, pop)	500	7	500	At Maturity (grain and forage)

*For specific crops in a group and use directions, refer to the Crop Use Directions

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