

Booklet

GROUP	3	7	11	FUNGICIDE
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**Nexicor™**

**FUNGICIDE**

Emulsifiable Concentrate

For use in cereals and canola

**COMMERCIAL (AGRICULTURAL)**

**GUARANTEE:** Fluxapyroxad ..... 30 g/L  
Pyraclostrobin ..... 200 g/L  
Propiconazole ..... 125 g/L

**REGISTRATION NO. 32678**

**PEST CONTROL PRODUCTS ACT**

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



**WARNING POISON  
SKIN AND EYE IRRITANT**

**READ THE LABEL AND ATTACHED BROCHURE BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

**NET CONTENTS:** 0.1 L to bulk

BASF Canada Inc.  
100 Milverton Drive, 5th Floor  
Mississauga, Ontario  
L5R 4H11-877-371-2273

NEXICOR is a trade-mark of BASF SE, used with permission by BASF Canada Inc.

## GENERAL INFORMATION

This package contains **Nexicor**, a 355 g/L emulsifiable concentrate. The active ingredients in **Nexicor** belongs to the carboxamides (SDHI), strobilurins (QoI), and triazoles (DMI) groups of fungicides.

**Nexicor** has a protective effect because it inhibits spores germination and a curative-eradicate effect because it inhibits mycelial growth and sporulation of susceptible fungi on the leaf surface. **Nexicor** should be applied prior to disease development or at the onset of disease symptoms. Under high disease pressure, optimum disease control is achieved when an application of **Nexicor** is followed by an application with another fungicide. A fungicide from a different mode of action group other than group 3, 7 or 11 should be used if possible.

## DIRECTIONS FOR USE (See specific sections for each crop group)

**Nexicor** contains three active ingredients. The rate of the group 3 active (propiconazole) has been, in some cases, reduced from the registered solo rates. The rate of the group 7 active (fluxapyroxad) has been significantly reduced compared to the registered solo rates. To maintain efficacy, do not apply **Nexicor** below the labeled rate.

Apply recommended rates of **Nexicor** as instructed in the following series of crop application rate tables. Apply **Nexicor** with ground or aerial spray equipment as specified. Equipment should be checked frequently for proper calibration.

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.

**Cereals Application Rate Table** (Ground and Aerial Application)

Crop	Disease Controlled	Application Rate (L/ha)
Wheat (all types), triticale	Leaf rust ( <i>Puccinia recondita</i> ) Stripe rust ( <i>Puccinia striiformis</i> ) Tan spot ( <i>Pyrenophora tritici-repentis</i> ) Septoria leaf spot ( <i>Septoria tritici</i> OR <i>Leptosphaeria nodorum</i> )	0.5
Barley	Net blotch ( <i>Pyrenophora teres</i> ) Stripe rust ( <i>Puccinia striiformis</i> )	0.5
Rye	Leaf rust ( <i>Puccinia recondita</i> )	0.5
Oats	Crown rust ( <i>Puccinia coronata</i> )	0.5

Fungicide performance is best when **Nexicor** is applied prior to disease development or at the onset of disease symptoms. Foliar disease symptoms may occur at any time from seedling through maturity; crop scouting is essential for assessing disease risk. To control foliar leaf diseases, **Nexicor** can be applied between stem elongation stage (GS 31) to early head emergence (GS 55). To maximize yield in cereals it is important to protect the flag leaf from disease. Therefore the optimum time to apply a single application of **Nexicor** is immediately after flag leaf emergence (GS 37-39).

Apply a maximum of one application of **Nexicor** per season. If disease pressure persists or weather conditions are favorable for disease development, an alternative fungicide application may be required 10-14 days later. A fungicide from a different mode of action group other than group 3, 7 or 11 should be used if possible. **Nexicor** may be applied for control of listed foliar diseases and followed with a fungicide that targets Fusarium head blight at anthesis stage (GS 61-65).

Restrictions:

To limit the potential for development of disease resistance on cereal crops, do not apply more than two applications of any fungicide containing either a group 11, or a group 7 active ingredient, per crop per season.

## Canola Application Rate Table (Ground and Aerial Application)

Crop	Disease Controlled	Application Rate (L/ha)
Canola	Blackleg ( <i>Leptosphaeria maculans</i> )	0.5

To maximize yield in canola, it is important to protect young seedlings from blackleg infections. Blackleg can infect canola at any crop stage but seedling infections have the greatest impact on yield. Apply **Nexicor** at the 2 to 6 leaf (rosette) stage to control blackleg in canola. Apply a maximum of one **Nexicor** application per year.

### Herbicide Tank Mixes in Canola

**Nexicor** can be tank mixed with the following canola herbicides at registered rates and timings:

ODYSSEY® WDG Herbicide or ARES in **Clearfield**® Canola\* (e.g. canola varieties with the **Clearfield** trait).

EQUINOX® EC Herbicide in canola.

ODYSSEY WDG Herbicide or ODYSSEY ULTRA Herbicide Tank mix (components ODYSSEY ULTRA A and ODYSSEY ULTRA B ) in **Clearfield** Canola\* (e.g. canola varieties with the **Clearfield** trait)

POAST® ULTRA Liquid Emulsifiable Herbicide in canola

Liberty® Herbicide (150 SN or 200 SN) in glufosinate ammonium tolerant canola (e.g. LibertyLink® canola)

Registered glyphosate herbicides in glyphosate tolerant canola (e.g. Roundup® Ready canola)

When applied as a tank-mix combination, read and observe all label directions for use, including weed species controlled, rates, timing, recropping restrictions, grazing intervals restrictions, personal protective equipment and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions.

Do not apply by pivot or sprinkler irrigation.

**Restrictions:** This product can only be applied once on canola. **Nexicor** contains a QoI fungicide (group 11). If additional fungicide applications are required on this crop, the first subsequent fungicide treatment should not include a QoI active ingredient.

\*Methods of growing plants which are resistant to certain acetohydroxyacid synthase (AHAS) herbicides are protected by Canadian Patent No. 1341465. Other applicable patents include Canadian Patent Nos. 2226455, 2456314, 2455512, 2456311 and 2492167 and Canadian Patent Application No. 2790951. The use of this product in the practice of patented methods could constitute patent infringement. Further information can be obtained by contacting BASF Canada at 1-877-371-2273.

## Crop-Specific Restrictions and Limitations

Crop	Minimum Time from Application to Harvest (PHI)	Maximum Rate Per Hectare Per Application (Litres)	Maximum Number of Applications Per Season	Maximum Rate Per Hectare Per Season (Litres)
Cereals	45 days	0.50	1	0.5
Canola	30 days	0.50	1	0.5

### Ground application

Apply **Nexicor** at rates listed in the Application Rate and Timing Tables (crop specific) when conditions are favourable for the development of disease. Use a minimum water volume of 100 L/ha and ensure thorough coverage of foliage. Consult nozzle manufacturers recommendation for spray pressures for specific nozzles.

### Aerial application

Apply **Nexicor** at rates listed in application rate and timing tables (crop specific) when conditions are favourable for the development of disease. Use a minimum water volume of 50 L/ha. Ensure thorough coverage of foliage. Consult nozzle manufacturers recommendation for spray pressures for specific nozzles.

### Instructions for Aerial Applications

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment. Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

### Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other nontarget areas. Specified buffer zones should be observed.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

### **Operator Precautions**

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application. The field crew and the mixer/loaders must wear chemical-resistant gloves, coveralls over a long-sleeved shirt and long pants, socks and chemical-resistant footwear and goggles or face shield during mixing/loading, clean-up and repair. All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

### **Product Specific Precautions**

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-877-371-BASF (2273) or obtain technical advice from the distributor or your provincial agricultural representative.

### **Restrictions**

#### **Field sprayer application**

**DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

#### **Aerial application**

**DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/hour at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

#### **Buffer zones**

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop		Buffer Zones (metres) Required for the Protection of:				
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Canola, cereals (barley, wheat [all types], oat, rye)		4	1	1	1	1
Aerial	Canola, cereals (barley, wheat [all types], oat, rye)	Fixed OR rotary wing	75	5	1	1	15

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

## ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under **DIRECTIONS FOR USE**.

This product contains active ingredients and aromatic petroleum distillates which are toxic to aquatic organisms.

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 result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

## RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that **Nexicor** contains a Group 3, 7 and 11 fungicide. Any fungal population may contain individuals naturally resistant to **Nexicor** and other Group 3, 7 and 11 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same locations. 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 fungicide resistance:

- Do not apply below labeled rates. Reduced rates may impact resistance development.
- Where possible, rotate the use of **Nexicor** with a fungicide from a different mode of action group other than group 3, 7 or 11, that controls the same pathogens. **DO NOT** exceed the total number of applications of **Nexicor** per season as stated in the Crop-Specific Restrictions and Limitations.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications.
- Monitor efficacy of all fungicides used in the disease management program against the targeted pathogen and record other factors that may influence fungicide performance and/or disease development. Notify BASF if reduced sensitivity of the pathogen to **Nexicor** is suspected.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different mode of action, if available.
- If **Nexicor** appears to be less or no longer effective against a pathogen that it previously controlled or suppressed, contact a BASF-representative, local extension specialist, or certified crop advisor to assist in determining the cause of reduced performance.

For further information, contact BASF Canada Inc. at 1-877-371-2273.

## MIXING

1. Ensure the spray tank is clean before use. Follow the clean-out recommendations stated on the label of the product that was previously used.
2. Fill the spray tank one-half full of water and start agitation.
3. Add the required amount of **Nexicor** to the tank.



4. Add the required amount of the tankmix partner, if required.
5. Continue agitation while filling the remainder of the spray tank.
6. After use, clean the spray tank according to PRECAUTIONS.

## **RESTRICTIONS AND LIMITATIONS**

1. All crops can be grazed or fed to livestock within 3 days of application.
2. Do not harvest cereals for forage or hay within 7 days of last application.
3. The following crops: barley, corn, wheat (all types), oats, triticale, rye, and bluegrasses, fescues and rye grasses (grown for seed production), soybean, canola (including rapeseed) and oilseed/condiment mustard, flax, sunflower, field pea, lentil, chickpea, fababean, dry bean, edible podded legumes and succulent shelled pea & bean, sugarbeets and alfalfa (grown for seed production), tuberous and corm vegetables, fruiting vegetables, pome fruits and, stone fruits, may be planted immediately following the last application. A plant-back interval of one year is required for all other crops
4. **DO NOT** use in greenhouses.

## **PRECAUTIONS**

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Harmful or fatal if swallowed. Harmful if inhaled. Avoid inhaling/breathing sprays. May irritate eyes. Avoid contact with eyes. Causes skin irritation. **DO NOT** get on skin.
3. Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking.
4. **DO NOT** re-enter treated area for 12 hours after application.
5. During mixing/loading/clean-up and repair, wear chemical-resistant gloves, goggles or face shield, coveralls over a long-sleeved shirt and long pants, socks and foot wear. Wear coveralls over a long sleeved shirt, long pants, chemical-resistant gloves, socks and footwear during application. Gloves are not required for an applicator in an enclosed cab or cockpits.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean spray equipment thoroughly after use.
8. **DO NOT** contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.

9. Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

## **FIRST AID**

**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 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. 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 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.

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

## **TOXICOLOGICAL INFORMATION**

This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Treat symptomatically.

## **STORAGE**

To prevent contamination store this product away from food or feed.

## **DISPOSAL**

**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.

**For Returnable Containers**

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

**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.

**For Non-Returnable containers**

For information on the 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 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.

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®Unless otherwise specified, products listed are registered trademarks of their respective companies.

Sleeve

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3. Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking.
4. **DO NOT** re-enter treated area for 12 hours after application.
5. During mixing/loading/clean-up and repair, wear chemical-resistant gloves, goggles or face shield, coveralls over a long-sleeved shirt and long pants, socks and foot wear. Wear coveralls over a long sleeved shirt, long pants, chemical-resistant gloves, socks and footwear during application. Gloves are not required for an applicator in an enclosed cab or cockpits.
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8. **DO NOT** contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
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