

17-JUL-2003  
Container label

GROUP	3	FUNGICIDE
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FUNGINEX® 190 EC

Systemic Fungicide

Emulsifiable Concentrate

AGRICULTURAL

GUARANTEE: Triforine .....195 g/L

REGISTRATION NO. 14701      PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

This product contains 24.4% of dimethylformamide which has been determined to be of toxicological concern.

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

NET CONTENTS: 5 L

BASF Canada Inc.  
345 Carlingview Drive  
Toronto, Ontario  
M9W 6N9

FUNGINEX® is a registered trademark of BASF Corporation, used under license by BASF Canada Inc.

## **PRECAUTIONS:**

**KEEP OUT OF REACH OF CHILDREN.** Harmful if swallowed. Avoid contact with skin and eyes and inhalation of spray mist. Wash thoroughly with soap and water after using and before eating or smoking. Avoid contamination of food and feed and domestic or irrigation water supplies, lakes, streams and ponds.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact 1-866-375-4648 or [www.cropro.org](http://www.cropro.org).

## **FIRST AID:**

**INGESTION:** If swallowed, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get prompt medical attention or contact a poison control centre IMMEDIATELY.

**EYE CONTACT:** If in eyes, flush with plenty of clean water for at least 15 minutes and obtain medical attention.

**SKIN CONTACT:** If on skin, remove contaminated clothing and wash with soap and water.

**INHALATION:** If inhaled, remove patient from contaminated area and get medical attention or contact a poison control centre IMMEDIATELY.

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

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

## **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:

3. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
4. 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 information on 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 control product is to be used only in accordance with the directions on this label. It is an offence under the *Pest Control Products Act* to use a control product under unsafe conditions.

**NOTICE TO BUYER:**

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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NET CONTENTS: 0.5 – 10 L

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M9W 6N9

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## **DIRECTIONS FOR USE**

### **BLUEBERRY (LOWBUSH & HIGHBUSH)**

- a) BRITISH COLUMBIA - for control of mummyberry, apply 3 litres in 1,000 L of water/ha.
- b) EASTERN CANADA - for control of mummyberry, apply 1.7 to 3 litres per hectare.

For **Ground Application**, apply in 1,000 L of water/ha.

Apply in the spring at bud break and repeat 10 - 14 days later. Apply a third spray at early bloom and repeat 10 - 14 days later. Thoroughly wet all buds and shoots. Do not apply later than 60 days before harvest. Consult local extension service for proper application timing.

For **Aerial Application**, apply in 50 - 60 L of water/ha.

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 *Basic Knowledge Requirements for Pesticide Education in Canada: Applicator Core* and *Aerial Module*, developed by CAPCO.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specific buffer zones should be observed.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in finer 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 and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

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.

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.

**NOTE: (EASTERN CANADA ONLY):** Do not make more than three applications from leaf-bud break to pink-bud stage. Application of **Funginex 190 EC** systemic fungicide during or beyond early bloom may result in fruit russetting.

**CRANBERRY (B.C. ONLY):** For control of cottonball apply 3 L per hectare in 1,000 - 1,500 L of water in the spring at leaf bud-break. Repeat 10 - 14 days later. Apply third spray at early bloom and repeat 10-14 days later. Thoroughly wet all buds and shoots. Do not apply later than 60 days before harvest. Consult local extension service for proper application timing. **Do not apply by air.**

**SASKATOON BERRIES:** For the control of Saskatoon-juniper rust (*Gymnosporangium* spp.) and *Entomosporium* leaf and berry spot, apply 3 L/ha in a water volume (e.g., 1,000 L) sufficient to ensure thorough wetting - to the point where the solution drips from the plants. Actual orchard area covered will vary, depending on size of bushes and density of planting. **Do not apply by air.**

**TIMING:** A single application should be made between flower bud break and the white tip stage. Do not apply later than 60 days before harvest.

**PEACHES, CHERRIES, PLUMS, PRUNES:** For control of the blossom blight stage of brown rot, apply 750 mL of **Funginex 190 EC** systemic fungicide per 1,000 L of water or 2.5 L per hectare. Make 2 - 3 applications from early to full bloom stage, depending on the length of the bloom period and conditions favouring brown rot. Follow provincial recommendations for proper timings. **Do not apply by air.**

**APPLE NURSERY STOCK AND NONBEARING APPLE TREES:** For control of powdery mildew, apply 2.5 L **Funginex 190 EC** systemic fungicide per hectare by airblast sprayer at tight cluster, pink and petal fall stages. May be applied 2 weeks after petal fall (mid-summer) if necessary. Make a maximum of 3-5 applications per season. **Do not apply by air.**

**ROSES AND ORNAMENTALS:** For control of powdery mildew and black spot, mix 1 L per 1,000 L of water. Spray to thoroughly cover all plant surfaces. **Do not apply by air.**

**NOTE:** Do not let spray mixture stand in the tank overnight.

#### **RESISTANCE-MANAGEMENT RECOMMENDATIONS:**

For resistance management, please note that **Funginex 190 EC** systemic fungicide contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to **Funginex 190 EC** systemic fungicide and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides 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 resistance:

- Where possible, rotate the use of **Funginex 190 EC** systemic fungicide or other Group 3 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- 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 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.
- For further information and to report suspected resistance, contact BASF at 1-877-371-2273.

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