

# fenhexamid

ALWAYS READ AND FOLLOW THE LABEL

Information on this page is not to be substituted for label directions

**Active Ingredient (a.i.):**  
fenhexamid

**Target Pest Category:**  
fungicide



**Examples of Trade Names:**  
Elevate, Decree

**Chemical Family:**  
Hydroxyanilides.

**Types of Formulation:**  
water dispersible granule

## What it is:

Fenhexamid is a locally systemic, protectant fungicide.

## How it works (Mode of Action):

Fenhexamid prevents fungi from infecting plants by inhibiting spore germination and mycelial growth. The fungicide is absorbed into the outer waxy layer of plant surfaces and is protected from being washed off by rainfall or irrigation.

## Toxicity based on pure active ingredient:

Species	LD <sub>50</sub> /LC <sub>50</sub>	Relative Toxicity*
Mammal (rat)	LD <sub>50</sub> Oral : >5000 mg/kg	Slightly toxic
	LD <sub>50</sub> Dermal : >5000 mg/kg	Slightly toxic
Bird (quail)	LD <sub>50</sub> >2000 mg/kg	Practically non-toxic
Bees (honey)	LD <sub>50</sub> >200 µg/bee	Practically non-toxic
Fish (trout) (96 hour)	LC <sub>50</sub> >1.34 mg/L	Moderately toxic
Worm (earth) (14 day)	LC <sub>50</sub> >1000 mg/kg dry weight of substrate	-

\* For description of relative toxicity categories please click [here](#).

## What it controls:

Used for control of *Botrytis* diseases on grapes, greenhouse tomatoes, ornamentals and berry crops, including blackberries, blueberries, currants, loganberries, raspberries and strawberries; and *Monilinia* brown rot on cherries, peaches and nectarines. Note: the specific crop-disease combination must be on the label.

## Expected Results:

Fenhexamid is applied to crops as a preventative treatment for *Botrytis* and *Monilinia* to control berry or fruit rot, blossom blight and shoot blight.

## Application Timing:

For best results, apply before infection. Refer to the label for detailed instructions on rates and application timing for the specific crop and disease.

## Mixing Instructions:

May be applied alone or in combination with a broad-spectrum fungicide. Please refer to label for specific mixing instructions.



BRITISH  
COLUMBIA

Ministry of Agriculture,  
Food and Fisheries

**Application Tips:**

- Apply before infection.
- Agitate during mixing and application
- Do NOT allow the spray mixture to stand without agitation.
- Apply using ground equipment only.
- Do NOT apply through irrigation
- Wait for a minimum 6 hours before using overhead irrigation.
- Do NOT apply if rainfall is expected within 6 hours.

**Applicator Safety and Re-entry:**

- Fenhexamid has a 4 hour re-entry interval. Refer to the label for information on use of personal protective equipment and further precautions. Workers' Compensation Board of B.C. requires a re-entry interval of 24 h.

**Storage:**

- Keep in original container.
- May be stored at room temperature.
- Do not store under extreme temperatures.
- Keep out of reach of children and pets

**Environmental Considerations:**

- Rainfast once the spray deposit has dried on treated crops.
- Degrades rapidly upon soil contact; average half-life of about 10 days
- Toxic to fish and aquatic organisms.
- 7 m buffer zone is required when air blast spray is used near aquatic areas.
- Not persistent in the environment under most conditions; moderately persistent under anaerobic (flooded) conditions.
- Unlikely to reach ground water.

**Resistant Management:**

- Fenhexamid is a Group17 fungicide. A gradual or total loss of disease control may occur over time if used repeatedly in the same fields. Follow appropriate resistance management strategies. Please read the label for further instructions.
- Use cultural practices to minimize sources of disease infection.
- Use early preventive applications of fungicides.
- Where possible, rotate with fungicides from different chemical groups or use tank mixtures with fungicides from different groups.

**Integrated Pest Management:**

- Fenhexamid is not harmful to most beneficial insects, mammals, birds, and soil organisms, and is compatible with integrated pest management programs. Studies show that fenhexamid is not harmful to honeybees, rove beetles, ladybird beetles, parasitic wasps or predacious mites.

**Restrictions:**

- Do not use fenhexamid-treated greenhouse tomatoes for processing.
- Do not replant food crops other than those listed on the label within 30 days following the last application.
- Do not apply this product using thermal application equipment.
- Do not apply this product through any type of irrigation system.

**Unique Characteristics/Special Instructions:**

- Please refer to the label for the pre-harvest interval for your crop.

**Pesticide Labels:**

- Labels for pesticides registered in Canada can be found on the Pest Management Regulatory Agency (PMRA) label search web page:  
<http://www.eddenet.pmra-arla.gc.ca/4.0/4.01.asp>