

# iprodione

ALWAYS READ AND FOLLOW THE LABEL

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

## Active Ingredient (a.i.):

iprodione



## Target Pest Category:

Fungicide, seed protectant

## Examples of Trade Names:

Rovral, Proturf, Foundation

## Chemical Family:

Dicarboximide

## What it is:

Contact fungicide with protective and curative action.

## How it works (Mode of Action):

Inhibits germination of spores and growth of mycelium by inhibiting DNA and RNA synthesis and cell division in fungi.

## Types of Formulation:

wettable powder, flowable, water dispersible granule

## Toxicity based on pure active ingredient:

Species	LD <sub>50</sub> /LC <sub>50</sub>	Relative Toxicity*
Mammal (rat)	LD <sub>50</sub> Oral : >4400 mg/kg	Slightly toxic
Mammal (rabbit)	LD <sub>50</sub> Dermal: >2000 mg/kg	Slightly toxic
Bird (quail)	LD <sub>50</sub> >2000 mg/kg	Practically non-toxic
Bees (contact)	LD <sub>50</sub> >0.4 mg/bee	Practically non-toxic
Fish (trout) (96 hour)	LC <sub>50</sub> 4.1 mg/L	Moderately toxic
Worms (earth)	LC <sub>50</sub> >1000 mg/kg soil	-

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

## What it controls:

Used for control of fungi including *Botrytis*, *Monilinia*, *Sclerotinia*, *Alternaria*, *Fusarium*, *Helminthosporium*, *Phoma*, *Rhizoctonia*, and *Typhula* spp., on stone fruits, grapes, ginseng, cole crops, some berry, greenhouse, vegetable, field, turf and ornamental crops. Refer to label for registered uses.

## Application Timing:

Timing of application depends on factors such as crop, disease, type of formulation and environmental conditions. Refer to label for specific instructions.

## Mixing Instructions:

For application through field, aerial or orchard sprayers, put one half the required water volume in the tank, add product and add the remainder of water. Agitate thoroughly before each application and continue to agitate during spraying. Do not mix with any other pesticide, adjuvant, or fertilizer unless indicated on the label. Refer to label for complete instructions.



BRITISH  
COLUMBIA

**Application Tips:**

- Spray mixture should be used on the day prepared.
- Addition of a non-ionic surfactant is recommended to improve fungicidal performance.
- Good spray coverage is essential.
- Do not spray in heavy dew or when it is about to rain.
- Do not allow spray to drift onto oats.

**Storage:**

- Do not store near food or feed.
- Keep away from fire, open flame, or other heat sources.
- Do not let it become wet or overheated.
- Store flowables above 0°C.
- Store in tightly closed **original** container, out of reach of children.

**Applicator Safety and Re-entry:**

- Avoid contact with skin and eyes. Mild irritant.
- Avoid inhaling mist.
- Read the label for poisoning symptoms, first aid, and safety precautions.
- Iprodione has a 12 hour re-entry interval.

**Environmental Considerations:**

- The half-life of iprodione in most soils is about 14 days, but may range from 2 to over 60 days depending on soil type, clay content, acidity and history of iprodione use.
- Low potential to contaminate groundwater.
- Moderately toxic to fish and shellfish, and highly toxic to the water flea (*Daphnia*). Bioaccumulation could potentially occur in fish.
- Prevent spray drift onto any body of water or other non-target areas.

**Resistance Management:**

- Iprodione is a Group 2 Fungicide. A gradual or total loss of pest control may occur over time if used repeatedly in the same fields. Follow appropriate resistance management strategies. Please read the label for more instructions.
- Use cultural practices to minimize sources of disease infection.
- Where possible, rotate with fungicides from different chemical groups or use tank mixtures with fungicides from different groups.

**Integrated Pest Management:**

- Iprodione is non-toxic to bees and predatory mites when used as directed. Iprodione has little effect on soil microorganisms.

**Restrictions:**

- Do not graze the treated crops or use for feed or fodder.
- Do not use treated seed for feed, food or oil processing.
- Treated seed must be labeled according to instructions on the product label.

**Pesticide Labels:**

- To find labels for pesticides registered in Canada, please link to the Pest Management Regulatory Agency (PMRA) label search web page:  
<http://www.eddenet.pmra-arla.gc.ca/4.0/4.01.asp>