



# Overall<sup>®</sup> Fact Sheet

## Iprodione

Fungicide

### Proven sclerotinia and alternaria control

Overall<sup>®</sup> 240 SC fungicide provides effective sclerotinia stem rot and alternaria black spot control in canola, and sclerotinia stem rot control in alfalfa grown for seed.

With the Group 2 active ingredient iprodione, Overall provides systematic and contact activity for protective and eradicant activity on canola's most damaging diseases.

#### Protect against sclerotinia stem rot:

In Canada, sclerotinia stem rot is one of the most destructive diseases in canola. Yield losses can be high, with potential yield loss equal to the per cent infection multiplied by 0.5. For example, canola with 40 per cent main stem infection would have approximately 20 per cent yield loss.

Research has shown that iprodione is a proven performer providing optimum protection against disease loss. Canola Council of Canada research indicates that fungicide application is justified when forecasting models predict disease levels will reach 15 per cent in *Brassica napus* (Argentine canola), based on \$8 per bushel canola and application cost of \$22 per acre.



Overall provides effective control to sclerotinia stem rot which is one of the most destructive diseases in Canada.

#### Application timing and crop staging:

- Apply as a single application of 0.85 to 1.25 L/ac when the crop is in the 20–50% bloom stage.
- The higher rate is recommended for fields with a history of severe disease pressure and dense crop stands.
- **Best protection is achieved at 20–30% bloom**, which is approximately 4 to 8 days after flowering begins. This will be prior to petals beginning to fall, and will allow for the maximum number of petals to be protected.
- Overall can be applied until the 50% bloom stage.



## Alternaria black spot control

Alternaria black spot can cause economic damage when the disease extensively infects green pods. Economic loss can occur from increased green seed count, premature pod shatter, shriveled seed, and reduced oil content.

### Application timing and crop staging:

#### Suppression:

- Apply as a single application of 0.85 to 1.25 L/ac when the crop is in the 20–50% bloom stage. This will also control sclerotinia stem rot.

#### Control:

- Apply at the early green pod stage at the 1.25 L/ac rate.
- A split application can also be made: 0.43 L/ac at 20–50% bloom, followed by 0.43 L/ac at early green pod stage.

### Application tips:

- Use forecasting tools to predict the need for fungicide application.
- Treats 6.72 to 10 acres per 8.4L jug; 2 x 8.4L jugs per case.
- Water volume
  - Ground: minimum 40 L/ac
  - Aerial: minimum 18 L/ac
- Good coverage of the plant is essential.
- Delay spraying if rainfall is imminent.
- Do not apply immediately after a rainfall.
- Preharvest interval for alfalfa is 38 days.
- Do not graze treated alfalfa with livestock.

### Bloom stage identification tips:

- 20% bloom: 14 to 16 open flowers on the main stem about 4 to 6 days after first flower.
- 30% bloom: about 20 open flowers on the main stem.
- First petal drop is around 30% bloom.
- The crop can go from 30 to 50% bloom in just a few days.
- At 50% flower, the crop is at its most yellow.
- At 50% bloom, there are more than 20 open flowers on the main stem, and side branches are starting to flower.

