

## Evaluation Report for Category B, Subcategory 3.11 Application

**Application Number:** 2020-0241  
**Application:** New Pests  
**Product:** Fontelis Fungicide  
**Registration Number:** 30331  
**Active ingredients (a.i.):** Penthiopyrad  
**PMRA Document Number :** 3128530

### Background

Fontelis Fungicide was first registered on February 20, 2012. Fontelis Fungicide, containing 200 g/L of penthiopyrad, is registered for foliar application to multiple crops, including leafy vegetable crops and fruiting vegetable crops for the control or suppression of certain diseases. Fontelis Fungicide is applied preventatively to these two groups of crops at 1.0-1.75 L product/ha and may be applied multiple times with 7-10 days between applications up to an annual maximum of 5.25 L product/ha/year. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

### Purpose of Application

The purpose of this application was to expand the registration of Fontelis Fungicide to include its application in accordance with its registered use pattern for control of powdery mildew on fruiting vegetable crops grown in the field or greenhouse and for control of powdery mildew, cercospora leaf spot and alternaria leaf spot on all or a subset of labelled leafy vegetable crops grown in the field as well as on greenhouse lettuce.

### Chemistry Assessment

A chemistry assessment was not required as there was no change to the product formulation.

### Health and Environmental Assessment

Health and environmental assessments were not required as there was no change to host crops, application rates, methods, and timings.

### Value Assessment

Value information was submitted in the form of efficacy data generated in field and greenhouse trials in which treatments of Fontelis Fungicide were applied at rates within the labelled rate range of 1.0 to 1.75 L product/ha and application interval of 7-10 days. These data were considered in combination with similar claims that were already registered for other crops. The data from six trials conducted on tomatoes and peppers in the field and

tomatoes in the greenhouse provided evidence that control of powdery mildew can be expected on these crops as well as on eggplant and tomatillo by means of extrapolation. Similarly, data from eight trials conducted on Swiss chard, kale and lettuce demonstrated that Fontelis Fungicide can be expected to control powdery mildew, cercospora leaf spot and alternaria leaf spot on crops, including greenhouse lettuce, that are susceptible to the causal pathogens. The data support the use of the highest rate when conditions favour the development of high disease pressure.

## **Conclusion**

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support a claim of control of powdery mildew on susceptible fruiting vegetable crops grown in the field or greenhouse, a claim of control of alternaria leaf spot on leafy vegetable crops, claims of control of powdery mildew and cercospora leaf spot on certain field-grown leafy vegetable crops, and a claim of control of powdery mildew and alternaria leaf spot on greenhouse lettuce for Fontelis Fungicide applied at 1.0-1.75 L product/ha every 7-10 days up to a maximum of 5.25 L product/ha/year.

## **References**

### List of Studies/Information Submitted by Registrant

#### Value Assessment

3081548 2018, Biological Assessment Dossier for Control of Diseases in Ginseng, Leafy Vegetables and Fruiting Vegetables with Fontelis Fungicide, DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.2.3.3,10.5.1,10.5.2,10.5.3

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