



## Evaluation Report for Category B, Subcategory 3.11 Application

**Application Number:** 2014-0069  
**Application:** New or Changes to Product Labels – New pests  
**Product:** Propulse Fungicide  
**Registration Number:** 30511  
**Active ingredients (a.i.):** Fluopyram (FPY) and prothioconazole (PRB)  
**PMRA Document Number :** 2403573

### Background

Propulse Fungicide is a broad-spectrum fungicide that contains the active ingredients fluopyram and prothioconazole. It is currently registered in Canada for use on dry bean, lentil, and chickpea to control white mold at a rate of 750 mL/ha, and to control ascochyta blight and mycospharella blight at the rates of 500 – 750 mL/ha.

### Purpose of Application

The purpose of this application is to expand the registration of Propulse Fungicide for the control of anthracnose and Asian soybean rust in dry bean, lentil, and chickpea at rates of 500 – 750 mL/ha.

### Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environment assessments were not required since the use pattern remained unchanged.

### Value Assessment

Two efficacy trials on dry bean conducted in Ontario in 2012 and 2013 were reviewed to support the proposed claim to control anthracnose. Overall, Propulse Fungicide at 500 and 750 mL/ha reduced anthracnose severity on average by 89 – 95% on the foliage and by 88 – 94% on the pods, compared to the non-treated control in two trials. The efficacy of Propulse Fungicide was comparable to that achieved by the commercial standards Quadris, Quadris Top and Headline EC fungicides in the same trials. It is noted that the contribution of the individual active ingredients to anthracnose control could not be evaluated since fluopyram or prothioconazole alone was not tested in the trials.

No efficacy trial was submitted for the proposed use on dry bean, lentil, and chickpea to control Asian soybean rust. A submitted scientific rationale based on the currently registered use of Proline 480SC Fungicide, which contains prothioconazole, to control Asian soybean rust on soybean was considered acceptable to support the proposed claim. However, the contribution of fluopyram to this use could not be assessed since no direct value evidence was presented.

The proposed claims are supported with the additional value of the pre-mix of two actives being able to manage multiple diseases on dry bean, lentil, and chickpea. The registration of these new uses will provide Canadian growers with a new pre-mix product to manage two important

diseases on these crops. Label amendments are required.

## **Conclusion**

The evidence confirmed the value of Propulse Fungicide on the control of anthracnose in dry bean and Asian soybean rust in dry bean, lentil and chickpea. The claims are supported as proposed.

## **References**

- 2379468 2013, Propulse Fungicide - Control of anthracnose (*Colletotrichum lindemuthianum*) in dry bean and Asian soybean rust (*Phakopsora pachyrhizi*) in listed pulse crops, DACO: 10.1, 10.2, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3(D)
- 2379472 2013, Propulse Fungicide - Control of anthracnose (*Colletotrichum lindemuthianum*) in dry bean and Asian soybean rust (*Phakopsora pachyrhizi*) in listed pulse crops, DACO: 10.1

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