



## Evaluation Report for Category C, Subcategory 3.11 Application

**Application Number:** 2007-4094  
**Application:** Category C, Subcategory 3.11 (New or Changes to Product Labels - New Pest)  
**Product:** Quadris Flowable Fungicide  
**Registration Number:** 26153  
**Active ingredients (a.i.):** azoxystrobin [AZY]  
**PMRA Document Number:** 1465628

### Background

Quadris Flowable Fungicide was first registered on May 19, 2000 and is currently registered on canola, legume crops including soybeans, field tomatoes, corn, ginseng, hazelnuts and filberts, sugarbeets, coriander, asparagus ferns, spinach, daikon, horseradish, rutabaga, turnip, garden beet, radish, and potatoes. Application methods include foliar, in-furrow, or aerial applications (crop/disease dependent). Quadris Flowable Fungicide is a Group 11 fungicide containing 250 g/L azoxystrobin.

### Purpose of Application

The applicant has proposed an in-furrow application at a rate of 4 - 6 mL product/100 m row (1 - 1.5 g a.i./100 m row) for control of silver scurf (*Helminthosporium solani*). Quadris Flowable Fungicide is currently registered for in-furrow use on potatoes to control Rhizoctonia stem canker, Rhizoctonia stolon canker, and black scurf at the same rate.

### Chemistry, Health, and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environmental assessments were not required since the use pattern, including host crop, application rates and timings, of the component products remained unchanged.

### Value Assessment

Trials from Prince Edward Island and Alberta tested Quadris Flowable Fungicide as a tank-mix with an insecticide and another fungicide and were not considered when evaluating efficacy. Trials in Ontario and Manitoba experienced moderate to high levels of disease pressure. Significant differences were observed in disease incidence when compared to the inoculated check. Application rates of 1.0 and 1.5 g a.i./100 m row exhibited good average control under high disease pressure (65.4% and 94.7%) and were comparable to the commercial standard

(71.4%). Under moderate disease pressure, control was lower (20.9% and 26.3%), but were still comparable to the commercial standard (27.8%).

## **Conclusion**

Based on the results of the efficacy trials reviewed, PMRA supports the claim for in-furrow application of Quadris Flowable Fungicide for control of silver scurf (*Helminthosporium solani*) on potato at the proposed rates.

## **References**

PMRA # 1421920. Quadris Flowable Fungicide Summary of Efficacy Trials for Silver Scurf. Syngenta Crop Protection Canada Inc., received by PMRA dated April 18, 2007. DACO 10.2, 10.2.2, 10.2.3.1, 10.3.2.

PMRA # 1421921. Summary Tables. Syngenta Crop Protection Canada Inc., Trial No. POT01-01, POT01-2, POT02-1. Received by PMRA May 17, 2007. DACO 10.2.3.1.

PMRA # 1421925. Summary, Syngenta Crop Protection Canada Inc., Study No. CAMBOT6802001. Report No. POT01-1., Study Report Date Feb. 14, 2002. DACO 10.2.3.3.

PMRA # 1421926. Syngenta Crop Protection Canada Inc., Study No. POT01-2. Report No. CAMBOT6802001. Study Report Date Mar. 28, 2007. DACO 10.2.3.3.

PMRA # 1421927. Summary. Syngenta Crop Protection Canada Inc., Study No. CAMBOT6912002 . Report No. POT02-1. Study Report Date. Mar. 28, 2007. DACO 10.2.3.3.

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