



## Evaluation Report for Category C, Subcategory 3.10 Application

**Application Number:** 2007-0281  
**Application:** Category C, subcategory 3.10 (New or Changes to Product Labels-Tank Mixes)  
**Product:** Quadris Flowable Fungicide  
**Registration Number:** 26153  
**Active ingredients (a.i.):** Azoxystrobin at 250 g/L  
**PMRA Document Number:** 1459011

### Background

Quadris Flowable Fungicide was first registered on May 19, 2000. It is currently registered to control diseases in canola, legume vegetables including soybeans, seed corn, potatoes, tomatoes, ginseng, hazelnuts, filberts, sugar beets, coriander, ferns of asparagus, spinach, sweet and field corn, carrots, radish, oriental radish, horseradish, rutabaga, turnip and garden beet. 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 to amend the Quadris Flowable Fungicide label to include a three-way tank mix consisting of Quadris Flowable Fungicide + Ridomil Gold 480SL or 480EC Fungicide + Actara 240EC Insecticide. Quadris is currently registered to control various diseases on a number of crops. It is proposed that the tank mix be used to control Rhizoctonia stem and stolon canker and black scurf and to suppress pink rot in potatoes. The following rates are proposed: 4-6 mL/100 m row (1.0-1.5 g ai/100 m row) Quadris Fungicide + 4 mL/100 m row (1.95 g ai/100 m row) Ridomil Gold 480 SL Fungicide + 3.4-4.4 mL/100 m row (0.82-1.06 g ai/100 m row) Actara Insecticide.

### Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. A health and environmental assessment was not required since the use pattern, including host crops, application rates and timing remained unchanged.

## **Value Assessment**

Results from eight trials conducted from 2002 and 2004-2005 in Quebec, PEI, Manitoba, New Brunswick and Ontario were submitted. The data provided indicates that the proposed addition of Actara Insecticide to the currently registered tank mix of Ridomil Gold 480SL Fungicide and Quadris Flowable Fungicide does not have antagonistic effects on disease control. The following claims are supported: control of Rhizoctonia stem and stolon canker; control of black scurf, and suppression of pink rot.

From an insecticides perspective, the data support the claim for control of Colorado potato beetle, Potato leafhopper and Aphids (including green peach, potato, buckthorn and foxglove aphid) on potatoes when Actara 240SC Insecticide is tank mixed with Quadris Flowable Fungicide and Ridomil Gold 480SL Fungicide at the proposed rates. The addition of the fungicides to the tank mix had no adverse effect on the efficacy of the insecticide to control the listed insect pests. No phytotoxic effects were observed on potatoes plants treated with the tank mix. The claim to add the 3-way tank mix for use on potatoes is supported for the control of Colorado potato beetle, Potato leafhopper and Aphids (including green peach, potato, buckthorn and foxglove aphid).

## **Conclusion**

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Quadris Flowable Fungicide to include the proposed tank mixture of Quadris and Actara 240SC Fungicide with either Ridomil Gold 480SL or Ridomil Gold 480EC Fungicide.

## **References**

PMRA # 1367115. Tank-mix of Actara® 240SC Insecticide, Quadris® Flowable Fungicide and Ridomil® Gold 480SL or 480EC Fungicide. Syngenta Crop protection Canada Inc. Received by PMRA on 19 January 2007. pp. 15.

PMRA # 1367117. Efficacy of a tank-mix of Actara® 240SC Insecticide, Quadris® Flowable Fungicide and Ridomil® Gold 480SL or 480EC Fungicide to control Rhizoctonia stem and stolon canker and black scurf and to suppress pink rot of potato. Syngenta Crop protection Canada Inc. Received by PMRA on 19 January 2007. pp. 70. DACO: 10.2.3.3

PMRA 1367116. Data Summary Tables - Tank mix of ACTARA, QUADRIS and RIDOMIL GOLD 480SL or 480EC. Syngenta Crop protection Canada Inc. Received by PMRA on 19 January 2007. DACO: 10.2.3.1

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