



Evaluation Report for Category C, Subcategory 3.10 Application

Application Number: 2007-0280
Application: Category C, subcategory 3.10 (New or Changes to Product Labels-Tank Mixes)
Product: Actara 240SC Fungicide
Registration Number: 28407
Active ingredients (a.i.): Thiamethoxam (THE)
PMRA Document Number: 1459008

Background

Acta 240SC Insecticide was first registered on May 19, 2000. It is currently registered to control Colorado potato beetle Aphids (including green peach, potato, buckthorn, and foxglove aphid) and potato leafhopper on potatoes. 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 Actara 240SC Insecticide label to include a three-way tank mix consisting of Quadris Flowable Fungicide + Ridomil Gold 480SL or 480EC Fungicide + Actara 240EC Insecticide. 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 or 480EC 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

Three efficacy trials from Manitoba, Ontario and Quebec demonstrated that a tank mix of Actara 240SC Insecticide, Quadris Flowable Fungicide and Ridomil Gold 480SL at the registered rates, controlled Colorado potato beetle, Potato leafhopper and Aphids on potatoes. Data demonstrated that 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 potato plants treated with the tank mix. Ridomil Gold 480SL and Ridomil Gold 480EC are two formulations containing 480 g metalaxyl-M and s-isomer per litre. Both formulations are individually registered as tank mix partners with Quadris Flowable for in-furrow use on potatoes to control the same diseases at the same application rates. The use directions and use patterns of these two formulations of Ridomil Gold are equivalent. Therefore it is expected that insect control on potatoes will not be adversely effected when Actara 240SC is tank mixed with Quadris Flowable Fungicide and Ridomil Gold 480EC. Actara 240SC Insecticide, Quadris Flowable Fungicide, Ridomil Gold 480SL and Ridomil Gold 480EC are each individually registered for in-furrow use on potatoes to control the same pests or diseases at the same application rates. Therefore the two three-way tank mixtures of Actara 240SC Insecticide and Quadris Flowable Fungicide with either Ridomil Gold 480SL or Ridomil Gold 480EC Fungicide is supported on the Actara 240SC label for use on potatoes to control Colorado potato beetle, Potato leafhopper and Aphids (including green peach, potato, buckthorn and foxglove aphid).

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.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Actara 250SC Insecticide to include the proposed tank mixture of Actara 240SC Fungicide with either Ridomil Gold 480SL or Ridomil Gold 480EC Fungicide and Quadris Flowable 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

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services
Canada 2007

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.