

Evaluation Report for Category C, Subcategory 3.10 Application

Application Number: 2011-1536
Application: New or Changes to Product Labels – Tank Mixes
Product: Syllit 400FL Fungicide Solution
Registration Number: 28351
Active ingredients (a.i.): Dodine
PMRA Document Number English PDF:

Background

Syllit 400FL Fungicide Solution is currently registered for control of scab on apple and pear (*Venturia inaequalis* and *V. pirina*) in Canada.

Purpose of Application

The purpose of this application is to amend the label of Syllit 400FL Fungicide Solution (Reg. No. 28351, containing dodine 402 g/L) with the addition of tank mix partners, captan products such as Maestro 80DF or Supra Captan 80WDG (both containing 80% captan) and mancozeb products such as Manzate Pro-Stick (75% mancozeb), Dithane 75DG or Penncozeb 75DF (all containing 75% mancozeb) for the control of apple and pear scab. The proposed rates for tank mixes are within the current registered label rates for either Syllit 400FL, captan or mancozeb products mentioned above.

Chemistry, Health and Environmental Assessment

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

Value Assessment

Seven trials were reviewed in support of these claims. Overall, the efficacy trials showed that the tank mixes provided comparable scab control to that of commercial standards (captan and mancozeb products in spray programs) applied, and superior scab control to that of Syllit applied alone. The tank mixes will provide acceptable levels of disease control for scab on both apple and pear. Furthermore, scab management is largely based on repeated fungicide applications scheduled in a spray program. The use of dodine is decreased in the USA due to resistance development; therefore, adding the tank mix of captan or mancozeb products to the Syllit 400FL label would contribute to delaying resistance development and maintain dodine as an alternative product for Canadian growers. The proposed tank mix claims are accepted.

Conclusion

The results confirmed the benefit of the proposed tank mixes on the control of scab caused by *Venturia inaequalis* and *V. pirina* on apple and pear. Both level of control and consistency of control were improved with the tank mix.

References

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- PMRA # 2038480, 2011, Summary of Trials for Syllit Applications for Efficacy and Phytotoxicity, DACO: 10.2.3.3(D), 10.3.2(B)
- PMRA # 2038481, 2011, 2010 Aceto/Apriphar Syllit FL evaluation on apples, I. Small-plot replicated trial, DACO: 10.2.3.3(D), 10.3.2(B)
- PMRA # 2038482, 2010, Evaluation of dodine programs for control of apple scab in a McIntosh Cortland orchard, DACO: 10.2.3.3(D), 10.3.2(B)
- PMRA # 2038483, 2010, Apple scab / Cortland variety / Program / USA (Geneva, NY) 2010, DACO: 10.2.3.3(D), 10.3.2(B)
- PMRA # 2038484, 2010, Early-season Disease Control on Rome Beauty, 2010, DACO: 10.2.3.3(D), 10.3.2(B)
- PMRA # 2038485, 2010, Apple scab control with fungicides applied on a protective schedule, 2010, DACO: 10.2.3.3(D), 10.3.2(B)
- PMRA # 2038486, 2010, Apple scab / McIntosh variety / Program / USA (Geneva, NY) 2010, DACO: 10.2.3.3(D), 10.3.2(B)
- PMRA # 2083346, 2010, Early season disease control by protectant fungicides on Nittany apple.
- PMRA # 2083347, 2010, Evaluating the efficacy of dodine and DMI programs for scab control on Golden Delicious and Red Delicious.

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