

Evaluation Report for Category C, Subcategory 3.1. Application

Application Number: 2007-2477
Application: category C, subcategory 3.1., C.9-P-A-EP
Product: Tilt 250E Fungicide
Registration Number: 19346
Active ingredients (a.i.): propiconazole
PMRA Document Number: 1482058

Background

Tilt 250 Fungicide was first registered on April 23, 1986. It is registered for control of a wide range of diseases on wheat, barley, oats, canola, corn, legume vegetables including soybeans and for the suppression of *Septoria* leaf mottle on canaryseed. 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 is to register Tilt 250E Fungicide at half the registered rate, which is equivalent to 250 mL product /ha (62.5 g ai/ha) applied to coincide with herbicide applications between BBCH 12-23 for early season suppression of net blotch (*Pyrenophora teres*) on spring barley and Septoria leaf spot (*Septoria tritici*) and tan spot (*Pyrenophora tritici repentis*) on spring wheat.

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 crops, application rates and timings, of the component products remained unchanged.

Value Assessment

Field trials (six) and greenhouse studies (six) conducted from 2006-2007 in Canada (AB and SK) were submitted for review. The greenhouse trials were considered as supplementary data. Based on the results of field trials, under low to high disease pressures, Tilt 250E Fungicide, applied at the rates of 250-500 mL product /ha (62.5-125 g ai/ha) at BBCH 12-23 suppressed net blotch on spring barley and Septoria leaf spot on wheat. Although, no field trials were provided to support the claim for suppression of tan spot, the fact that (i) Tilt 250E Fungicide is currently registered at the rate of 500 mL/ha for control of tan spot on wheat and (ii) trials conducted in the greenhouse confirmed that Tilt 250E Fungicide has activity on Septoria leaf spot as well as tan spot, suggests that when applied at 250 and 500 mL/ha at BBCH 12-23, Tilt 250E Fungicide should provide suppression of tan spot on wheat. The proposed tank-mix which is on the current Tilt 250E Fungicide label is supported. No phytotoxicity was observed. The proposed label claims for Tilt 250E Fungicide are supported with some modifications. Label amendments are required.

Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Tilt 250E Fungicide to include the following claim: For early season suppression of net blotch (*Pyrenophora teres*) on spring barley and Septoria leaf spot (*Septoria tritici*) and tan spot (*Pyrenophora tritici repentis*) on spring wheat, apply Tilt at the rate of 250-500 mL/ha (125 g a.i./ha). Apply Tilt 250E Fungicide as early as the two-leaf stage (BBCH 12-23). Use the lower rate under normal field conditions. Use the higher rate if there is a history of high disease pressures in the field and/or field conditions favour disease development. The second application should be applied at the first sign of disease (BBCH 29-37) or before head is half emerged (BBCH 49-55).

References

List of studies/information submitted by the applicant

PMRA# 1398735. Value Summary - 2007, Note to the Reviewer - TILT - BBCH 12-23, DACO: 10.1

PMRA# 1398736. 2007. Mode of Action - 2007, TILT - BBCH 12-23, DACO: 10.2.1

PMRA# 1398737 .Description of Pest Problem - 2007, Note to the Reviewer - TILT - BBCH 12-23, DACO: 10.2.2

PMRA# 1398738. Efficacy Summary - 2006, Application at BBCH 12-23, DACO: 10.2.3.1

PMRA# 1398739. Efficacy Data Summary Table - 2007, TILT - BBCH 12-23, DACO: 10.2.3.1

PMRA#1398740. Controlled environment evaluation of foliar treatments to protect wheat against *Septoria tritici*, 2006, DACO: 10.2.3.2

PMRA#1398741 2006, Controlled environment evaluation of foliar treatments to protect wheat against *Pyrenophora tritici-repentis*, DACO: 10.2.3.2

PMRA#1398742. Controlled environment evaluation of foliar treatments to protect wheat against *Septoria tritici*, 2007, DACO: 10.2.3.2

PMRA# 1398743. Trial CAAB0F1632006, DACO: 10.2.3.3

PMRA# 1398744. Trial CAAB0F1642006, DACO: 10.2.3.3

PMRA# 1398745. Trial CAAB0F1652006, DACO: 10.2.3.3

PMRA# 1398746. Trial CASK0F4612006, DACO: 10.2.3.3

PMRA# 1398747. Trial CASK0F4632006, DACO: 10.2.3.3

PMRA# 1398748. Trial CASK0F4642006, DACO: 10.2.3.3

PMRA# 1398749. Adverse Effects on Use Site Summary - 2007, Note to the Reviewer - TILT - BBCH 12-23, DACO: 10.3.1

PMRA# 1398750. Non-Safety Adverse Effects on Use Site - Note to the Reviewer - 2007, TILT - BBCH 12-23, DACO: 10.3.2

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