



Evaluation Report for Category C, Subcategory 3.10 Application

Application Number: 2007-3941
Application: New or Changes to Product Labels- Tank Mixes
Product: Headline EC Fungicide
Registration Number: 27322
Active ingredients (a.i.): Pyraclostrobin
PMRA Document Number: 1421454

Background

Headline EC Fungicide was first registered on March 3, 2003. It is currently registered to control various diseases on many crops including cereals, corn, edible-podded legume vegetables, dried peas and beans, forage grasses and alfalfa grown for seed, soybean, potatoes and sugar 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 is to add a claim for the tank mixture of Headline EC Fungicide and Lance WDG Fungicide to control *Ascochyta* blight of chickpea to the Headline EC Fungicide label. It is proposed that Headline EC Fungicide be applied at 0.4-0.6 L/ha (100-150 g ai/ha) in a tank mix with Lance WDG Fungicide at 0.36-0.42 kg/ha (250-300 g ai/ha). The currently registered rates of Headline EC Fungicide and Lance WDG Fungicide for control of *Ascochyta* blight are 0.4-0.6 L/ha and 0.42 kg/ha, respectively.

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

A rationale was submitted in support of the claim, which included information tracing the historical performance of pyraclostrobin and boscalid to control *Ascochyta* blight in chickpeas in Saskatchewan from 2002-2006. The results show that a mixture of pyraclostrobin and boscalid significantly lowered disease levels compared to the untreated control. Disease control using the tank mixture was comparable to levels obtained when the products were used alone or in rotation and did not indicate any antagonistic effects. No crop injury has been observed with

pyraclostrobin or boscalid in any experimental trials or commercial fields. In addition, the compatibility of formulations of Headline EC Fungicide and Lance WDG Fungicide has been established using various water temperature, hardness and pH ranges. From a resistance management perspective, use of the tank mixture of Headline EC Fungicide and Lance WDG Fungicide will help delay the development of resistance by reducing the selection pressure on *Ascochyta rabiei*.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Headline EC Fungicide to include the proposed tank mixture of Headline EC Fungicide with Lance WDG Fungicide.

References

PMRA # 1419996. Headline EC Fungicide (pyraclostrobin). Petition for Tank mix application in chickpeas for the control of *Ascochyta* blight. BASF Canada. May 16, 2007. pp.11

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