

Evaluation Report for Category B, Subcategory 3.12, 3.4 Application

Application Number: 2014-3457
Application: New or Changes to Product Labels-New Site or Host
New or Changes to Product Labels-Application Method
Product: TILT 250E Fungicide
Registration Number: 19346
Active ingredients (a.i.): Propiconazole
PMRA Document Number : 2462171

Purpose of Application

The purpose of this application was to expand the Tilt 250E Fungicide label by adding the claim of control of Cercospora leaf spot (*Cercospora beticola*) and powdery mildew (*Erysiphe polgoni*) for sugar beets.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

Human health risk assessments were completed for mixer/loader/applicators and re-entry workers' exposure to Syngenta Canada's Tilt 250E Fungicide use on sugar beets. No risks of concern are expected provided all label statements, precautions and directions are followed.

Previously reviewed residue data from field trials and processing studies conducted on sugar beet roots and tops for propiconazole were reassessed in the framework of this petition. Residues of propiconazole are not expected to exceed the currently established MRLs on sugar beet roots and sugar beet molasses following 2 foliar applications of TILT 250E Fungicide to sugar beets. Therefore, the dietary exposure to the sugar beet and processed fractions when treated with TILT 250E Fungicide will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The use of Tilt 250E Fungicide on sugar beets falls within the range of currently registered uses on various agricultural crops. Thus, an increased environmental exposure is not expected and the characterization of environmental risk is covered under the established environmental risk assessment for propiconazole. Environmental risks are mitigated through existing environmental statements and buffer zones on the product label.

Value Assessment

Efficacy data from five trials demonstrated control of *Cercospora* leaf spot on sugar beets when tested at various rates. Based on the efficacy data provided in support of the emergency registration, it was concluded that a claim of control of *Cercospora* leaf spot on sugar beet at a rate of 500 ml/ha could be supported.

Value information was submitted for the claim of control of powdery mildew on sugar beets in the form of a rationale and agricultural use history. Based on the value information provided a claim of control for powdery mildew (*Erysiphe spp.*) on sugar beets at a rate of 500 ml/ha could be supported.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to expand the Tilt 250E Fungicide label.

References

List of Studies/Information Submitted by Registrant

PMRA Document Number	Reference
2451098	2014, Value Summary, DACO: 10.1
2451099	2014, Use History, DACO: 10.2.4
1603198	1998, Efficacy data 1, DACO: 10.2.3.3(D)
1603199	1996, Efficacy data 2, DACO: 10.2.3.3(D)
1603200	1997, Efficacy data 3, DACO: 10.2.3.3(D)
1603201	1996, Efficacy data 4, DACO: 10.2.3.3(D)
1603202	1997, Efficacy data 5, DACO: 10.2.3.3(D)

Additional information

PMRA Document Number	Reference
2581111	Sharma, I.M., Field evaluation of fungicides for post-infection control of powdery mildew of sugarbeet, Indian Phytopathology 1991 Vol.44 No. 1 pp. 133-134 ISSN 0367-973X, DACO: 10.2.3.3
2581113	Raid, R.N., Evaluation of fungicides for control of powdery mildew and common rust on snap beans, Spring 2005, F&N Tests Vol 61:V085, DACO: 10.2.3.3
2581117	McReynolds, B., G. Koskela, Evaluation of Headline for control of rust and powdery mildew of mint, 2003, F&N Tests Vol 59:V103, DACO: 10.2.3.3
2581139	Thevenot, E., J. Robbins, G. Klingaman, R.D. Cartwright, Evaluation of fungicides and biorational products for control of powdery mildew of phlox, 2001, F&N Tests Vol 59:OT031, DACO: 10.2.3.3

2581143 European and Mediterranean Plant Protection Organization, EPPO Standards -
Guidelines on good plant protection practice - beet - PP 2/13(1) English, DACO:
10.6

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