

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2013-0878
Application: Product label - new site or host
Product: DuPont Acapela Fungicide
Registration Number: 30470
Active ingredients (a.i.): Picoxystrobin
PMRA Document Number: 2300426

Purpose of Application

The purpose of this application was to register a new use for DuPont Acapela Fungicide on canola to control Sclerotinia stem rot/white mold and to expand the use of DuPont Acapela Fungicide to include ground and aerial application on canola.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

No new residue data were submitted in support of the addition of canola to the label of DuPont Acapela Fungicide containing picoxystrobin. Data on file support the use of DuPont Acapela Fungicide on canola. The proposed use of DuPont Acapela Fungicide on canola is not expected to result in picoxystrobin residues to exceed the current established MRL (maximum residue level) in Crop Group 20A. Therefore, the dietary exposure to picoxystrobin will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

An assessment was performed for the addition of canola to the DuPont Acapela Fungicide label. The proposed changes should not result in occupational risks of concern to the active ingredient, picoxystrobin. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the label.

Environmental Assessment

No additional environmental data were required for the addition of ground and aerial application of DuPont Acapela Fungicide on canola. Spray buffer zones are required on the product label to protect sensitive aquatic habitats from the potential effects of spray drift resulting from use on canola. The spray buffer zones range from 1 to 20 metres, depending on the depth of the aquatic habitat and the application method.

Value Assessment

A total of seven efficacy field trials conducted between 2008 and 2011 were submitted in support of the proposed claim. Four of the trials were conducted in Alberta and Manitoba while the remaining three were conducted in northern European countries (Czech Republic, Germany, and Sweden). The trial protocols were reflective of the proposed use pattern for canola. All trials were reviewed and considered in support of the subject claim. A rationale was provided and accepted to validate the applicability of the European data.

When applied as directed on the proposed label, DuPont Acapela Fungicide resulted in significant reductions in both white mold severity and incidence under low, moderate and high disease pressures. Yield increases of 8-43% were reported from applications of DuPont Acapela Fungicide applications in white mold-infected canola plots. DuPont Acapela Fungicide efficacy was equivalent or superior to registered commercial standards that were also tested in the trials. A trend of increased efficacy in function of increased application rates was observed throughout the European trials, thereby justifying the higher proposed rate. This trend was not observable in the Canadian trials as only one rate was tested in each of these trials (either 0.88L/ha or 1.2 L/ha).

Value was demonstrated for the proposed application rate range of 0.88-1.2 L/ha. In consideration of disease resistance management, sequential applications are restricted as DuPont Acapela Fungicide must be used in rotation with effective alternative fungicides on canola. No other changes to the use pattern are required.

Registration of a claim against canola white mold on the DuPont Acapela Fungicide label will provide users with a fungicide demonstrated to have excellent crop safety when used as directed and a good level of efficacy against a serious disease with potentially major economic impacts. This registration will offer Canadian canola growers an additional management tool that is already available to many of their international counterparts.

Conclusion

The PMRA has completed an assessment of the available data and is able to support amendments to the DuPont Acapela Fungicide label.

References

- 2272606 2012. Control of Sclerotinia (*Sclerotinia sclerotiorum*) in Canola (*Brassica napus*) with DPX-YT669 250SC (Dupont Acapela Fungicide). 277 pp. DACO 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.3

ISSN: 1911-8082

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