

Evaluation Report for Category B, Subcategory 3.1, 3.10, 3.11, 3.12 Application

Application Number: 2018-0699
Application: New Changes to Product Labels – Application Rate Increase or Decrease, Tank Mixes, New Pests and New Site or Host
Product: Fluopyram 600FS
Registration Number: #####
Active ingredient (a.i.): Fluopyram
PMRA Document Number: 2992630

Purpose of Application

The purpose of this application was to register an end-use product, Fluopyram 600FS, as a seed treatment for control of disease on canola, rapeseed and oilseed mustard.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

Fluopyram 600FS was of slight acute oral toxicity in rats. It was of low acute dermal and inhalation toxicity in rats. It was non-irritating to rabbit skin and eyes and it was not a dermal sensitizer in mice.

The occupational exposure and health risk to fluopyram were assessed for commercial seed treatment workers and planters from the requested seed treatment use of Fluopyram 600FS on canola, rapeseed & mustard seeds. The current occupational exposure risk assessment for fluopyram was updated and no health concerns for workers are expected provided that workers follow the label directions and wear the personal protective equipment identified on the label.

No residue data for fluopyram in canola, rapeseed, or oriental mustard (*Brassica juncea*) were submitted to support the new Fluopyram 600FS label. Previously reviewed residue data from field trials conducted in/on canola were reassessed in the framework of this petition. In addition, a processing study in treated canola was reassessed to determine the potential for concentration of residues of fluopyram into processed commodities.

The established MRLs for fluopyram in/on Crop Subgroup 10R-A and livestock commodities are adequate to cover the expected residues resulting from the use of Fluopyram 600FS according to label directions. Dietary exposure to residues of fluopyram as a result of this action will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

An increased risk from the use of Fluopyram 600FS is not expected when compared to the previously registered seed treatment uses. Therefore, risks from the environmental perspective associated with the use of Fluopyram 600FS are acceptable when label directions are followed.

Value Assessment

Scientific rationales and efficacy data were provided in support of the use claims. Data demonstrated that Fluopyram 600FS at rates of 125 – 250 mL/100 kg seed controlled residue or soil-borne blackleg on canola, rapeseed and oilseed mustard.

The registration of Fluopyram 600FS will offer Canadian growers another option to manage blackleg on canola, rapeseed and oilseed mustard. The submitted value information was sufficient to support a claim of control of residue or soil-borne blackleg on these crops. Tank mix of Fluopyram 600FS with certain fungicides and insecticides was also supported.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and has found it sufficient to register Fluopyram 600FS.

References

PMRA Document Number	References
2852441	2018, Laboratory dust-off study of Canola seed treated with Fluopyram 600 FS seed treatment formulation: Part 5 exposure (occupational/bystander), DACO: 5.15
2857378	2018, Value Assessment of Fluopyram ST seed treatment for canola, rapeseed, and oilseed mustard, DACO: 10.1,10.2,10.2.1,10.2.2,10.2.3,10.2.3.1,10.2.3.3,10.2.3.3(D),10.3,10.3.1,10.3.2,10.3.2(B),10.4,10.5,10.5.1,10.5.2,10.5.3
2857380	2018, Compilation of trial reports - Value Assessment of Fluopyram ST seed treatment for canola, rapeseed, and oilseed mustard, DACO: 10.2.3.3,10.2.3.3(D)
2953449	2019, Additional Information to Fulfill the Condition of Full Registration, DACO: M10.2
2953450	2018, Assessment of fluopyram fungicide seed treatment for reducing cotyledon infection by <i>Leptosphaeria maculans</i> and blackleg of canola, DACO: M10.2

ISSN: 1911-8082

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