

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

Application Number: 2016-1953
Application: Changes to Product Labels – New Site, new pests, and new tank mix partners
Product: Fluoxastrobin ST
Registration Number: 31993
Active ingredients (a.i.): Fluoxastrobin
PMRA Document Number: 2751419

Purpose of Application

The purpose of this application was to add use on soybean for control of seed rot/pre-emergence damping-off caused by *Rhizoctonia solani* and to add new tank partners on the Fluoxastrobin ST label.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicological assessment was not required for this application.

A quantitative risk assessment was conducted and no human health risks of concern were identified for the use of Fluoxastrobin ST, provided workers follow label directions and wear personal protective equipment as stated on the label.

Previously reviewed data were reassessed in the framework of this application and it was determined that the addition of soybeans and the tankmix partners to the label of Fluoxastrobin ST is not expected to result in an increase in the magnitude of fluoxastrobin residues in soybeans. Therefore, the use of Fluoxastrobin ST will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

As the use rates are lower than the rates already registered for corn, no increase in environmental risk is expected from the use of Fluoxastrobin ST as a seed treatment on soybean for control of seed rot/pre-emergence damping-off caused by *Rhizoctonia solani*.

Value Assessment

In 2015, field trials and greenhouse trials were conducted on soybean in Ontario and in the US (NC), respectively. Results from these trials indicated that the claim for control of seed rot and pre-emergence damping off caused by *Rhizoctonia solani* on soybean could be supported from a value perspective.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the addition to the label of Fluoxastrobin ST the use on soybean for control of seed rot/pre-emergence damping-off caused by *Rhizoctonia solani*. Additional tank mix partners were also supported and added to the product label.

References

PMRA

Document

| Number | Reference |
|---------|--|
| 2630549 | 2016, Occupational Exposure and Risk Assessment for Fluoxastrobin Based Suspension Concentrate Seed Treatment Formulation for Soybean Seed Use in Canada, DACO: 5.0, 5.1-5.8 |
| 2362022 | 2013, Occupational Exposure and Risk Assessment for Fluoxastrobin Based Suspension Concentrate Seed Treatment Formulation for Corn Seed Use in Canada, DACO: 5.0, 5.1-5.8 |
| 1965962 | 2007, Determination of Operator Exposure to Imidacloprid During Loading/Sowing of Gaucho Treated Maize Seeds Under Realistic Field Conditions in Germany and Italy, DACO: 5.6 |
| 1965958 | 2010, Assessment of Bayer Laboratory Dust-Off Studies Conducted in Support of Multiple Bayer Seed Treatment Formulation Risk Assessments. DACO 5.0, 5.1-5.8 |
| 1885209 | 2010, Observational Study to Determine Dermal and Inhalation Exposure to Workers in Commercial Seed Treatment Facilities: Mixing/Treating with a Liquid Pesticide Product and Equipment Clean-out, DACO: 5.4 |
| 2630553 | 2016, Value assessment of fluoxastrobin ST seed treatment fungicide - Data supporting control of seed rot / pre-emergence damping-off of soybean caused by <i>Rhizoctonia solani</i> , DACO: 10.1,10.2.3.2,10.2.3.3,10.3.2 |

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