

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2011-5984
Application: B.3.12 (Product label - new site or host)
Product: BAS 500 F ST
Registration Number: 30182
Active ingredients (a.i.): Pyraclostrobin
PMRA Document Number : 2430150

Purpose of Application

The purpose of this application was to add soybeans, canola, canola-quality *Brassica juncea* and mustard seeds (oilseed and condiment) to the BAS 500 F ST label (containing 200 g a.i./L pyraclostrobin).

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 to support the addition of soybeans, canola, canola-quality *Brassica juncea* and mustard seeds (oilseed and condiment) to the registered label of BAS 500 F ST. As the proposed seed treatment use rates for pyraclostrobin are less than their maximum registered seed treatment or foliar application rates, the seed treatment use of BAS 500 F ST on soybeans, canola, canola-quality *Brassica juncea* and mustard seeds (oilseed and condiment) is not expected to increase the magnitude of pyraclostrobin residues in/on these crops. Therefore, the dietary exposure is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

The use of pyraclostrobin in BAS 500 F ST fungicide on canola, mustard, and soybeans is not expected to result in risks of concern to workers treating and planting seed commercially and on-farm provided the product is applied according to the label directions.

Environmental Assessment

The purpose of this application was to add soybean, canola and mustard to the label for BAS 500 F ST. Additional consideration was given to the potential for birds and mammals to consume contaminated seed. No additional risks were identified from the use expansion.

Information on environmental fate and toxicity from outdoor uses can be found in the PMRA registration decision document, RD2008-13. Information pertaining to environmental fate and toxicity from seed treatment uses can be found in the PMRA registration decision document, PRD2011-15. Based on the current use pattern, pyraclostrobin as a seed treatment, does not present a risk to wild mammals and birds.

Value Assessment

A total of 22 field and lab trials (16 canola trials and six soybean trials) conducted in Canada (AB, MB) in 2010 were submitted for review. The data submitted by the applicant demonstrated BAS 500 F ST efficacy at a level comparable to currently registered commercial standards against the proposed disease claims on canola and soybean at the rates proposed. The claims supported on canola were extrapolated to canola-quality *Brassica juncea*, oilseed mustard and condiment mustard. Lab trials were submitted to support the claims of control of seed and seedling diseases caused by *Leptosphaeria maculans* and *Alternaria* spp. on canola and mustard. The applicant submitted a rationale extrapolating the lab data to field uses. Considering that claims for blackleg and alternaria spot were based entirely on lab trials, the claims were amended to convey that the product controls the pathogen on the seed. Tank mixes with Apron XL LS and Allegiance FL on the proposed crops can be supported since the products are to be applied at registered rates and data demonstrated no negative effects when BAS 500 F ST was tank mixed with Allegiance FL.

Pyraclostrobin is a new mode of action seed treatment fungicide for soybeans. Use of BAS 500 F ST on canola, canola-quality *Brassica juncea*, mustard (oilseed, condiment) and soybean is compatible with current IPM strategies. A reduction of seedling diseases on these crops provides an economic benefit to growers by improving the quality of the commodity, increasing yield and reducing inputs by reducing weed pressure.

Conclusion

The PMRA has completed an assessment of the available information and is able to support the addition of soybeans, canola, canola-quality *Brassica juncea* and mustard seeds (oilseed and condiment), to the BAS 500 F ST label.

References

- 2137520 2011, BAS 500 ST (pyraclostrobin) - Petition for Seed Treatment Application in Canola, Oilseed Mustard and Soybean, DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.2.3.2,10.2.3.3,10.3.1,10.3.2,10.3.3,10.4,10.5.1,10.5.2,10.5.3,10.5.4,10.6
- 2172075 2012, BASF response to PMRA clarification request February 27, 2012 for submission 2011-5984 BAS 500 F ST, DACO: 10.2.3.2(D)
- 2137525 2011, Use Site Description for BAS 500 F ST in Soybeans and Canola (including but not limited to *Brassica juncea*, *B. napus*, *B. rapa*), DACO: 5.2
- 2137526 2011, Pyraclostrobin: Occupational Exposure during Commercial and On-Farm Seed Treatment and Subsequent Planting of Canola, Mustard, and Soybean Treated with BAS 500 F ST Fungicide Seed Treatment, DACO: 5.6

- 1772281 2005, Regent 500 FS: Worker Exposure During Treatment of Maize Seeds, DACO: 5.6
- 1772280 2008, Determination of Worker Exposure During Treatment of Cereal Seeds by Mobile Treaters in France, DACO: 5.6
- 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

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