Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2011-1284
Application: New product label: new site or host
Product: PENTRI 308FS
Registration Number: 30365
Active ingredient (a.i.): Penflufen, Trifloxystrobin
PMRA Document Number: 2130853

Background

PENTRI 308FS is a new commercial-class seed treatment product containing the active ingredients penflufen and trifloxystrobin for protection against certain seed- and soil-borne diseases of bean and pea crops including soybeans, corn (field, sweet popcorn) and alfalfa.

For a detailed scientific evaluation related to the new active ingredient penflufen, please refer to Proposed Regulatory Decision PRD2012-02, *Penflufen*.

The active ingredient trifloxystrobin is currently registered as a seed treatment for corn, legumes and soybean (Triflex FS, Registration Number 29161). For details on the scientific evaluation and registration decisions related to trifloxystrobin, please refer to Proposed Registration Decision PRD2009-02, *Trifloxystrobin* and Registration Decision RD2009-10, *Trifloxystrobin*.

Purpose of Application

The purpose of this application was to assess the new use of the active ingredient trifloxystrobin on alfalfa based on the precedent product Triflex FS.

Chemistry Assessment

Please refer to Proposed Regulatory Decision PRD2012-02, *Penflufen*.

Health Assessment

Pentri 308FS for use on legume and corn seeds fits within the registered use pattern for trifloxystrobin. Risk assessments for the use of penflufen on legume, alfalfa and corn seeds as well as for the use of trifloxystrobin on alfalfa were conducted and no unacceptable occupational assessment risks were identified.

Based on the residue data assessed, residues of trifloxystrobin on alfalfa will not pose an unacceptable health risk to any segment of the population. The use expansion of trifloxystrobin to alfalfa as a seed treatment is not of health concern.

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Environmental Assessment

The treatment rate of trifloxystrobin on alfalfa seed is significantly lower than the current broadcast spray application rates of trifloxystrobin on various other crops (Flint 50WG Fungicide, Registration Number 27529). As a result, no increase in environmental exposure of trifloxystrobin is expected. Therefore, additional environmental data were not required to support the trifloxystrobin use expansion to alfalfa seed.

Value Assessment

Please refer to Proposed Regulatory Decision PRD2012-02, *Penflufen*.

Conclusion

The PMRA conducted an evaluation of the subject application and determined that use expansion of trifloxystrobin to alfalfa seed has value and will not pose unacceptable health or environmental risk.

References

1039216 1990, Exposure of workers to isofenphos during planting of Oftanol-treated canola seed, DACO: 5.4

1335563 2006, GAUCHO 480 SC – Worker exposure during on-farm and commercial seed treatment of cereals, DACO: 5.4

1885822 2010, Determination of the total radioactive residue (TRR) of [14C] trifloxystrobin in alfalfa following seed treatment, DACO: 7.4.1, 7.4.2, 7.4.6

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