



Evaluation Report for Category B, Subcategory 3.7 Application

Application Numbers: 2004-1390/91/92/93/94/1429
Application: category B, subcategory: 3.7 (pre-grazing interval)
Product: Decis Flowable Insecticide, Decis 2.5 EC, Decis 5 EC, Deltamethrin (TGAI), Decis 5.0 EC
Registration Numbers: 25573, 20078, 17305, 22478, 18092, 17734
Active ingredients (a.i.): contained in product:
- Deltamethrin at either 25 or 50 g a.i./L
PMRA Document Number: 1293044

Background

Decis 2.5 EC, Decis 5 and 5.0 EC and Decis Flowable Insecticides are currently registered for use on alfalfa, apples, asparagus, barley, blueberries, broccoli, brussels sprouts, cabbage, canola (rapeseed) (including triazine tolerant canola), cauliflower, corn (field, sweet and seed), flax, kale, lentils, mustard, oat, onions, peaches, pears, peppers, potatoes, saskatoon berries, strawberries, sugar beets, sunflowers, tomato, wheat, rangeland pastures and roadsides, shelterbelts, tobacco and commercial greenhouse floriculture crops. Decis 2.5 EC (registration no. 17305) has been registered since June 14, 1982. Decis Flowable Insecticides (registration no. 25573 and 20078) have been registered since November 24, 1999 and September 9, 1987, respectively. Decis 5 and 5.0 EC (registration no. 22478 and 17734) have been registered since June 22, 1992 and June 6, 1983, respectively. Deltamethrin Technical (registration no. 18092) has been registered since May 14, 1984.

Purpose of Application

The purpose of this application was to remove both grazing and feeding restrictions to beef and dairy cattle from all submitted end use product labels for the following commodities: field and sweet corn, sugarbeets, alfalfa, kale, wheat, barley, oats, flax, lentils and roadside pastures.

Chemistry Assessment

A chemistry assessment was not required as there was no change to product chemistry.

Health Assessments

There was no change in occupational exposure, so an assessment was not required. There was no change to the toxicological profile of the products, therefore a toxicology assessment was not conducted.

To support the removal of both the grazing and feeding restrictions to beef and dairy cattle from the Decis 2.5 EC, Decis 5 and 5.0 EC and Decis Flowable Insecticide end use product labels, both historical data and new information provided by the registrant were used. In the residue and processing trials, several commodities were treated with deltamethrin according to current and previous label directions and harvested at various PHIs. Public information on the fate of deltamethrin in animals was also used.

Maximum Residue Limit(s)

Residues of deltamethrin in livestock commodities (including milk) are currently covered under the 0.1 ppm General Regulations (Table II, Division 15 of the FDA&R). The removal of the grazing and feeding restrictions on beef and dairy cattle is not expected to increase the dietary burden to livestock. Therefore, residues in livestock commodities will remain under the 0.1 ppm General Regulations until specific MRLs are established. There is no unacceptable health risk to any part of the population resulting from the removal of the grazing and feeding restrictions.

Environmental Assessment

An environmental assessment is not required for applications under this submission subcategory since amended grazing/feeding intervals at previously labelled application rates do not impact environmental risk.

Value Assessment

There was no change in value with these submissions, so an assessment was not required.

Conclusion

The PMRA has completed an evaluation of the subject applications and has found the information sufficient to amend the registration of Decis 2.5 EC, Decis 5 and 5.0 EC and Decis Flowable Insecticides to remove grazing and feeding restrictions to beef and dairy cattle from all submitted end use product labels for the following commodities: field and sweet corn, sugarbeets, alfalfa, kale, wheat, barley, oats, flax, lentils and roadside pastures.

MRLs

Following the review of the available data, total residues of deltamethrin in livestock commodities can be covered under the 0.1 ppm General Regulations as a result of the removal of the grazing and feeding restrictions. Residues of deltamethrin in crops and livestock commodities at 0.1 ppm will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

References

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