

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2016-8110
Application: B.3.12: Change to Product labels - New Site or Host
Product: Beleaf 50SG Insecticide
Registration Number: 29796
Active ingredients (a.i.): Flonicamid
PMRA Document Number: 2845725

Purpose of Application

This application is to add non-grass animal feeds such as forage, fodder, straw and hay and to remove the grazing restriction on forage from alfalfa grown for seed from the Beleaf 50SG label.

Chemistry Assessment

Chemistry review was not required for this application.

Health Assessments

The addition of the use on non-grass animal feeds to the label of the end-use product Beleaf 50SG Insecticide was assessed for the potential occupational or bystander exposure to flonicamid. An updated mixer/loader/applicator risk assessment was conducted, while the most recent postapplication re-entry worker risk assessment on file was re-assessed and found acceptable. No health risks of concern were identified when workers follow all label recommendations and wear the personal protective equipment identified on the label.

Residue data from field trials conducted in Canada and the United States were submitted to support the use of Beleaf 50SG Insecticide on non-grass animal feeds such as forage, fodder, straw and hay and to remove the grazing restriction on forage from alfalfa grown for seed. Flonicamid was applied to alfalfa and clover at total seasonal rates equivalent to or slightly lower than the accepted rate, and forage and hay were harvested according to label directions.

Maximum Residue Limits

Based on the dietary burden and residue data, the following MRLs are proposed to cover residues of flonicamid and the metabolites TFNA and TFNA-AM, expressed as parent equivalents:

Commodity	Recommended MRL (ppm)
Meat byproducts of cattle, goats, horses and sheep	0.4 ³
Meat of cattle, goats, horses and sheep; milk	0.15 ²
Meat and meat byproducts of hogs	0.08
Eggs	0.07
Fat of poultry	0.05
Meat and meat byproducts of poultry; Fat of cattle, goats, horses and sheep ¹	0.04
Fat of hogs	0.03

¹This MRL replaces the currently established MRL of 0.03 ppm in/on fat of sheep, goats, cattle and horses

²This MRL replaces the currently established MRL of 0.08 ppm in/on meat of horses, cattle, sheep and goats and of 0.03 ppm in/on milk

³This MRL replaces the currently established MRL of 0.08 ppm in/on meat byproducts of horses, cattle, sheep and goats

Environmental Assessment

As the maximum application rate for use on non-grass animal feeds such as forage, fodder, straw and hay is similar to that of the registered application rate for alfalfa grown for seed, it is not anticipated that this use expansion will pose any additional risk to the environment. The label statements are sufficient to mitigate against any environmental concerns when Beleaf 50SG Insecticide is used in accordance with label directions.

Value Assessment

Value information consisted of a rationale to extrapolate from the registered claims for control of aphids and tarnished plant bug in alfalfa grown for seed to nongrass animal feeds such as forage, fodder, straw, and hay, alfalfa, clover (*Trifolium* spp., *Melilotus* spp.; lespedeza; lupin; sainfoin; refoil; vetch; vetch, crown; vetch, milk). The rationale to extrapolate from the registered control claims to nongrass animal feeds was acceptable, and supported an application rate to control aphids of 0.12 to 0.16 kg product per, and an application rate to control tarnished plant bug of 0.2 kg product per ha (3 applications) or 0.3 kg product per ha (2 applications).

Conclusion

PMRA has reviewed information in support of the addition of non-grass animal feeds such as forage, fodder, straw and hay to the Beleaf label. Based on the results of this review, the addition of non-grass animal feeds such as forage, fodder, straw and hay and to remove the grazing restriction on forage from alfalfa grown for seed from the Beleaf label is acceptable for registration.

References

- 2711992 Gelin, Mark D. Value summary for Beleaf 50 SG Insecticide (Reg. No. 29796) containing Flonicamid, for control of aphids and tarnished plant bug on Crop Group 18 – Nongrass Animal Feeds. 2016
- 2711989 2016, Magnitude of Residues of Flonicamid on Alfalfa and Clover - USA and Canada in 2015, DACO: 7.2.1,7.4.1,7.4.2
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- 1913109 2009, Agricultural Handler Exposure Scenario Monograph: Open Cab Groundboom Application of Liquid Sprays, DACO: 5.3, 5.4.
- 2115788 2008, Data Submitted by the Agricultural Re-entry Task Force (ARTF) to Support Revision of Agricultural Transfer Coefficients, DACO: 5.6.
- 2572744 2015, Agricultural Handler Exposure Scenario Monograph: Open Pour Mixing and Loading Dry Flowable Formulations, DACO: 5.3, 5.4.
- 2711991 2016, DACO 5.2 Use Site Description, DACO: 5.2.

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