

Evaluation Report for Category B, Subcategory 1.3 Application

Application Number: 2015-6725
Application: Changes TGA Prod Chemistry-Specifications
Product: Flupyradifurone TC
Registration Number: 31450
Active ingredients (a.i.): Flupyradifurone
PMRA Document Number: 27111143

Background

Flupyradifurone TC was first registered for use in Canada in 2015.

Purpose of Application

The purpose of this application was to provide supplemental ecotoxicology data to further characterise the ecotoxicology profile of this active ingredient.

Chemistry, Health and Value Assessments

Chemistry, health and value assessments were not required for this application.

Environmental Assessment

Additional data including laboratory and semi-field toxicity studies for bees and acute toxicity studies for freshwater chironomus were evaluated. Results are consistent with those previously evaluated and do not alter the ecotoxicity profile of flupyradifurone. Therefore, when used according to currently registered application rates and methods, flupyradifurone is not expected to pose an unacceptable risk to the environment. The existing mitigation measures on the label are adequate to address any environmental concerns.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the supplemental information provided, and has found the information sufficient to continue to support the registration of Flupyradifurone TC.

References

| PMRA Document Number | Study Title |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2588821 | Flupyradifurone SL 200 G: Acute contact toxicity to the bumblebee <i>Bombus terrestris</i> L.(Hymenoptera, Apidae) under laboratory conditions (multi doses test), DACO 9.2.4.1 |
| 2588822 | Effects of a test item mix of BYI 02960 SL 200 G + tebuconazole (HWG 1608) EW 250C G (acute contact) on honey bees (<i>Apis mellifera</i> L.) in the laboratory, DACO 9.2.4.1 |
| 2588823 | Effects of a test item mix of flupyradifurone (BYI 02960) SL 200 G + fluopyram SC 500B G (acute contact) on honey bees (<i>Apis mellifera</i> L.) in the laboratory, DACO 9.2.4.1 |
| 2588824 | Effects of a test item mix of flupyradifurone (BYI 02960) SL 200 G + trifloxystrobin WG 50 W (acute contact) on honey bees (<i>Apis mellifera</i> L.) in the laboratory, DACO 9.2.4.1 |
| 2588825 | Effects of a test item mix of flupyradifurone (BYI 02960) SL 200 G + propineb WG 70A W (acute contact) on honey bees (<i>Apis mellifera</i> L.) in the laboratory, DACO 9.2.4.1 |
| 2588826 | Effects of a test item mix of flupyradifurone (BYI 02960) SL 200 G + pyrimethanil SC 300 G (acute contact) on honey bees (<i>Apis mellifera</i> L.) in the laboratory, DACO 9.2.4.1 |
| 2588828 | Effects of flupyradifurone SL 50A G (acute contact and oral) on honey bees (<i>Apis mellifera</i> L.) in the laboratory, DACO 9.2.4.1, 9.2.4.2 |
| 2588829 | Acute toxicity of flupyradifurone SL50 to larvae of <i>Chironomus riparius</i> in a 48 h static laboratory test system, DACO 9.3.5 |
| 2588830 | Acute toxicity of flupyradifurone SL 50A G to larvae of <i>Chironomus riparius</i> in a 48 h static laboratory test system, DACO 9.3.5 |
| 2588831 | Determination of residues of BYI 02960 after application of BYI 02960 SL 200 G once before and once during flowering in a semi-field honeybee (<i>Apis mellifera</i> L.) study in <i>Phacelia tanacetifolia</i> in 2012, DACO 9.9 |
| 2588832 | Toxicity testing of a tank mix of flupyradifurone (BYI 02960) SL 200 G + tebuconazole EW 250C G on honey bees (<i>Apis mellifera</i> L.) under semi-field conditions - Tunnel test, DACO 9.9 |
| 2588890 | Assessment of chronic effects of BYI 02960 tech. to the honey bee, <i>Apis mellifera</i> L., in a 10 days continuous laboratory feeding test, DACO 9.9 |
| 2616174 | Flupyradifurone (BYI 02960): Acute Oral Toxicity to the Bumble Bee, <i>Bombus terrestris</i> L. under Laboratory Conditions, DACO 9.2.4.2 |

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