



Evaluation Report for Category B, Subcategory 1.3 Application

Application Number: 2023-2073
Application: Changes to TGAI (Product Chemistry) - Specifications
Applicant: Bayer Cropsience Inc.
Product: Flupyradifurone TC
Registration Number: 31450
Active ingredient (a.i.): Flupyradifurone
PMRA Document Number: 3598683

Purpose of Application

The purpose of this application was to amend the manufacturing process and specifications for Flupyradifurone TC.

Chemistry Assessment

Common Name: Flupyradifurone
IUPAC* Chemical Name: 4-[[[(6-chloropyridin-3-yl)methyl](2,2-difluoroethyl)amino]furan-2(5H)-one
CAS† Chemical Name: 4-[[[(6-chloro-3-pyridinyl)methyl](2,2-difluoroethyl)amino]-2(5H)-furanone

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Additional chemistry data were received, reviewed and found to be acceptable to support the registration of the technical product.

Health Assessments

The health risk profile of the technical active ingredient is not expected to be significantly altered by the new manufacturing process.

Environmental and Value Assessments

Environmental and value assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the amendments to the manufacturing process and specifications for Flupyradifurone TC.

References

PMRA No.	Reference
3465923	2022, Flupyradifurone (BYI 02960) - Description of the manufacturing process of the technical grade active substance for Canada, DACO: 2.11.1, 2.11.2, 2.11.3 CBI
3465925	2023, Statement Regarding the Certified Limits for [CBI Removed] in Flupyradifurone Technical Grade Active Ingredient [CBI Removed] For Canada, DACO: 2.12.1 CBI
3465924	2023, Regulatory toxicology - Position paper - Flupyradifurone technical - Toxicological relevance assessment of the impurity BCS-BY16004, DACO: 2.16, 4.8 CBI

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