

Chemical Factsheet

Flonicamid

General Information

- Product Names:
 - Beleaf (ISK)
 - F1785 (FMC)
 - F6305 (FMC)
- Chemical Class: Insectide
- Uses: Controls whiteflies, aphids, thrips, leafhoppers, mealybugs, scale, stink bugs
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating:

Health and Environmental Effects

See citations at end of document.

- Cancer: Suggestive Evidence (1)
- Endocrine Disruption: Not documented
- Reproductive Effects: Possible (1)
- Neurotoxicity: Possible (1)
- Kidney/Liver Damage: Likely (1)
- Sensitizer/ Irritant: No (1)
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Yes (2)
- Toxic to Bees: Yes (3)

Additional Information

- Supporting information:
 - [PAN Pesticides Database](#): (Pesticide Action Network)
 - [AERU Pesticides Properties Database](#)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Currently used and legacy pesticides in the marine atmosphere from Patagonia to Europe](#). Debler, F., Gandrass, J., Paul Ramacher, M. O., Koenig, A. M., Zimmermann, S., & Joerss, H. (2025). Currently used and legacy pesticides in the marine atmosphere from Patagonia to Europe. Environmental pollution (Barking, Essex : 1987), 373, 126175. Advance online publication. <https://doi.org/10.1016/j.envpol.2025.126175>

Gateway Health and Environmental Effects Citations

1. USEPA. 2016. Flonicamid Human Health Risk Assessment. Office of Pesticide Programs. <https://beta.regulations.gov/document/EPA-HQ-OPP-2016-0013-0009>

2. IUPAC Agrochemical Information. <http://sitem.herts.ac.uk/aeru/iupac/>
3. USEPA. Registration Review: Draft Human Health and/or Ecological Risk Assessments for Several Pesticides (Flonicamid). Office of Pesticide Programs.
<https://oag.ca.gov/system/files/attachments/press-docs/Flonicamid%20Comment%20Letter.pdf>

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