Chemical Factsheet

MCPB (4-(2-Methyl-4-chlorophenoxy) butyric acid)

General Information

- Product Names:
    MCPB Technical Acid (Nufarm)
- Chemical Class: Phenoxy compound
- Uses: Registered for use on pea crops before flowering, for post-emergence control of broadleaf annual and perennial weeds including Canadian thistle, buttercup, mustard, purslane, ragweed, common lambsquarters, pigweed, smartweed, sowthistle, and morning glory.
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects
See citations at end of document.

- Cancer: Possibly (**1**)
- Endocrine Disruption: Not documented
- Reproductive Effects: Not documented
- Neurotoxicity: Yes (**2**)
- Kidney/Liver Damage: Yes (**2**)
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Yes (**2**)
- Toxic to Fish/Aquatic Organisms: Not documented
- Toxic to Bees: Not documented

Additional Information

- Regulatory Status:
    - [EPA Reregistration Eligibility Document](#) (RED) signed (3/2006)
- Supporting information:
    - [PAN Pesticide Database – MCPB](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
    - [Combined exposure to low doses of pesticides causes decreased birth weights in rats](#).
      Hass U, Christiansen S, Axelstad M, Scholze M, Boberg J. 2017. Reprod Toxicol. 72:97-105

Gateway Health and Environmental Effects Citations

1. International Agency for Research on Cancer, World Health Organization (IARC) category, the agent (mixture) is possibly carcinogenic to humans. November 2, 2018.
http://monographs.iarc.fr/ENG/Classification/index.php

2. US EPA, Office of Prevention, Pesticides and Toxic Substances, Reregistration Eligibility Decisions

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(REDs), Interim REDS (iREDs) and RED Factsheets.
https://archive.epa.gov/pesticides/reregistration/web/html/status.html.

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