Chemical Factsheet

Aldicarb

General Information

- Fact Sheet: Aldicarb.pdf
- Product Names:
  Temik (Bayer)
  Meymik (AG Logic)
- Chemical Class: Carbamate Insecticide
- Uses: Control of nematodes, insects, and arachnids in agricultural crops including citrus and potatoes until Dec 31, 2011, and cotton, dry beans, peanuts, pecans, sorghum, soybeans, sugar beets, sugarcane, sweet potatoes, and seed alfalfa, field grown ornamentals, tobacco, and coffee until December 31, 2018.
- Alternatives: Organic agriculture
- Beyond Pesticides rating: Toxic

Health and Environmental Effects

See citations at end of document.

- Cancer: Not documented
- Endocrine Disruption: Yes (**1**)
- Reproductive Effects: Yes (**2**)
- Neurotoxicity: Yes (**3**)
- Kidney/Liver Damage: Not documented
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Not documented
- Detected in Groundwater: Yes (**3**)
- Potential Leacher: Yes (**3**)
- Toxic to Birds: Yes (**4**)
- Toxic to Fish/Aquatic Organisms: Yes (**4**)
- Toxic to Bees: Yes (**4**)

Additional Information

- Regulatory Status:
  - EPA and Bayer agreed to terminate all uses of Aldicarb by 2018 because of risks to children and infants found in theRevised Dietary Risk Assessment (8/2010)
  - EPA Reregistration Eligibility Decision (RED) signed (9/2007)
- Supporting information:
  - Daily News Blog entries (Beyond Pesticides)
  - Asthma, Children and Pesticides (Beyond Pesticides)
  - NCAP Aldicarb Fact Sheet (Northwest Coalition for Alternatives to Pesticides)
  - Extoxnet Aldicarb Factsheet (Extension Toxicology Network)
  - PAN Pesticides Database: Aldicarb (Pesticide Action Network)
- Studies [compiled from the Pesticide-Induced Diseases Database]
  - Do Pesticides Affect Learning and Behavior? the neuro-endocrine-immune

connection Warren Porter (2004)
- A weight-of-evidence review of colorectal cancer in pesticide applicators: the agricultural health study and other epidemiologic studies.. Alexander DD, Weed DL, Mink PJ, Mitchell ME. 2012. Int Arch Occup Environ Health. 85(7):715-45.
- Exacerbation of symptoms in agricultural pesticide applicators with asthma.. Henneberger PK, Liang X, London SJ, et al.2014. Int Arch Occup Environ Health. 87(4):423-32.
- Hypospadias and residential proximity to pesticide applications.. Carmichael SL, Yang W, Roberts EM, et al. 2013. Pediatrics. 132(5):e1216-26
- Association between pesticide exposure and colorectal cancer risk and incidence: A systematic review. Matich, E. K., Laryea, J. A., Seely, K. A., Stahr, S., Su, L. J., & Hsu, P. C. (2021). Association between pesticide exposure and colorectal cancer risk and incidence: A systematic review. Ecotoxicology and environmental safety, 219, 112327. https://doi.org/10.1016/j.ecoenv.2021.112327

Gateway Health and Environmental Effects Citations

1. European Commission. Endocrine Disruptors: Study on Gathering Information on 435 Substances with Insufficient Data. Final Report. EU DG Environment: B4-3040/2001/325850/MAR/C2. BKH Consulting Engineers: M0355037. November 2002. http://ec.europa.eu/environment/chemicals/endocrine/pdf/bkh_report.pdf#page=76.

2. Frazier, L. and M.L. Hage. 2001. Reproductive Hazards of the Workplace. Europe: Wiley. Table 10: Partial List of Reproductive Toxins. https://web.archive.org/web/20100624221623/http://www.biosci.osu.edu/safety/CHP/Tables2001/Table10-11-00.pdf.

3. Beyond Pesticides ChemWatch Factsheets. (Cited under factsheets on Beyond Pesticides Gateway; see top of individual chemical page)

4. US EPA, Office of Prevention, Pesticides and Toxic Substances, Reregistration Eligibility Decisions (REDs), Interim REDS (iREDs) and RED Factsheets. https://archive.epa.gov/pesticides/reregistration/web/html/status.html.

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