

2,4-D is a herbicide used for broadleaf weed control: Three Things to Know About 2,4-D

1. Where and why is 2,4-D used?

- Farmers trust 2,4-D to help them produce nutritious food. It saves billions of dollars each year in crops lost to encroaching and invasive weeds and helps secure the U.S. food supply.¹
- Homeowners and turfgrass managers trust 2,4-D to control many weeds to improve our quality of life by providing open spaces, recreation, enhanced property values and the conservation of important natural resources
- Land managers trust 2,4-D to control invasive species and protect biodiversity, as well as keeping public infrastructure like railways secure.
- One of 2,4-D's many environmental benefits is reducing the carbon footprint of agriculture by controlling weeds which increases food grown per acre (leaving more land for forests and grasslands) and by reducing the need of farmers to till the soil for weed control (which releases carbon and other greenhouse gases into the atmosphere).

2. What do scientists know about 2,4-D?

- More is known about 2,4-D and how it works than almost any herbicide. It has been studied for 75 years and research is always ongoing. More than 4,000 peer-reviewed toxicology studies have been conducted.²
- 2,4-D is not considered to be a carcinogen, mutagen, developmental or reproductive toxicant, endocrine disruptor, immunotoxicant or neurotoxicant.
- 2,4-D is biodegradable and does not bioaccumulate. As a result, it is eliminated quickly and decomposes rapidly in the environment.

3. Who has reviewed 2,4-D's safety?

- The United States Environmental Protection Agency, along with Health Canada, the European Food Safety Authority, the World Health Organization, and 90 regulators across the world are of one voice: 2,4-D may be used safely according to label directions.³

For 75 years 2,4-D has controlled weeds, delivering value to American farmers, ranchers, land managers, and homeowners while being continuously studied by scientists and approved by regulators around the world.

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75
years

**Trusted
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References:

¹ A detailed economics analysis published in 2015 quantified the benefits of 2,4-D by each crop on which it can be used: <https://24d.info/economic-benefits-study/>

² Thousands of peer reviewed publications are available in the public domain. Some of the studies are available at:

<https://24d.info/epidemiology-research/>

<https://24d.info/toxicology-research/>

<https://24d.info/environmental-research/>

³ Regulatory decisions supporting the continued use of 2,4-D from authorities including USEPA, USDA, OEHHA, Health Canada, EFSA, the UN, the WHO, and New Zealand are available at: <https://24d.info/#regulatory-decisions>