

# The Benefits and Safety of Glyphosate



Tested for 40 years. Approved for 40 years.  
Used safely for 40 years.



## /// Safety

Glyphosate is one of the most commonly-used weed killers because of its safety profile.

- /// Glyphosate works by targeting an enzyme that is essential to plant growth.
- /// When it comes to safety assessments, glyphosate is one of the most extensively evaluated crop protection and weed control tools on the market. The Australian Pesticides and Veterinary Medicines Authority (APVMA) takes a risk-based, scientific approach to regulation which ensures that each agricultural chemical product is thoroughly and independently assessed. As recently as 2018 the APVMA has determined that “glyphosate is safe to use according to label directions.”<sup>1</sup>
- /// In 2019, following a scientific review of glyphosate, Health Canada said “No pesticide regulatory authority in the world currently considers glyphosate to be a cancer risk to humans at the levels at which humans are currently exposed.”<sup>2</sup>
- /// Glyphosate exhibits low toxicity to humans and non-plant wildlife over both short and long-term exposures.
- /// In the environment, glyphosate binds tightly to soil, degrades over time and does not accumulate in the food chain.

/// Get the facts about glyphosate and Roundup® brand herbicides  
[bit.ly/2zCM743](https://bit.ly/2zCM743)



## /// Land Management

As part of an integrated weed management strategy, park and land managers use glyphosate-based formulations to keep weeds off roadsides and railways, control invasive weeds, restore habitat for animals, and make recreational areas more functional.

- /// Almost \$5 billion dollars is spent on annual weed control in Australia. In 2018 public expenditure on weeds for land management purposes was \$166 million.<sup>3</sup>
- /// Weed management practices help control weeds which steal water, sunlight and nutrients from healthy plants.
- /// Glyphosate is known to degrade rapidly and not leave soil residues.
- /// Glyphosate is one of the most practical methods to control weeds because it is safe, cost-effective and easy to use.

/// Superweeds  
[bit.ly/2ObRjUz](https://bit.ly/2ObRjUz)

/// Farming with and without glyphosate  
[bit.ly/2HXHdE2](https://bit.ly/2HXHdE2)



## /// Garden/Home Use

Glyphosate-based formulations control weeds in your garden and around your home.

- /// Homeowners encounter weeds just like farmers, only on a smaller scale. Weeds can take root and grow in gardens, yards and driveway and sidewalk cracks.
- /// Just like with the approved uses on a label for glyphosate for farmers and land managers, glyphosate products for use in lawns and gardens also have a recommended use rate to help consumers use the product precisely.
- /// Homeowners use weed control methods to:
  - » Eliminate the need to handle noxious weeds.
  - » Kill weeds down to the root, ensuring they won't grow back.

/// Are Roundup® weed and grass killers safe?  
[bit.ly/2ObRjUz](https://bit.ly/2ObRjUz)

/// What is glyphosate?  
[bit.ly/2XO3cBW](https://bit.ly/2XO3cBW)

1. APVMA, Media Statement: <https://apvma.gov.au/node/32991> (Retrieved 9 May 2019)

2. Health Canada, Media Statement: <https://www.canada.ca/en/health-canada/news/2019/01/statement-from-health-canada-on-glyphosate>. (Retrieved 9 May 2019)

3. Centre for Invasive Species Solutions, Annual Costs of Weeds in Australia: <https://invasives.com.au/wp-content/uploads/2019/01/Cost-of-weeds-report.pdf> (Retrieved 30 May 2019)



Find out more: <https://www.bayer.com/glyphosate>