GLYPHOSATE: A SAFE, ESSENTIAL TOOL FOR MODERN AGRICULTURE

For over 50 years, glyphosate has helped American farmers safely, affordably, and sustainably grow their crops. **It's more than just a weed-control tool—it's the backbone of modern agriculture.**

A FOUNDATION OF SCIENCE-BASED SAFETY

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- Pesticides undergo a rigorous development and review process—taking **12 years on average**—before they are introduced into the field.
- Multiple agencies and hundreds of scientific experts are involved, ensuring that the pesticides on the market have met high health and environmental safety standards.
- Once on the market, pesticides are continually reviewed to ensure ongoing safety.

Glyphosate is one of the most extensively researched herbicides in the world.

- Deemed safe to use as directed by U.S. and global regulators for over 50 years.
- More than **1,500 studies**—including by expert scientists at the U.S. Environmental Protection Agency (EPA) and around the globe—support its safety.
- The EU—often a bellwether of stringent standards—reapproved glyphosate as recently as 2023.

Conservative intake limits ensure food safety.

- Once approved, law requires a default **10X safety factor** for pesticide food tolerances, meaning daily intake limits need to be set **10 times lower** than where they might ever be expected to pose human health risks.
- Over **99%** of tested foods have residues well below these limits.
- To come close to these limits, an average person would have to consume in a **single day:** 8,000 bottles of wine, 850 apples, or 9,000 Girl Scout cookies.

POWERING PRODUCTIVITY, AFFORDABILITY, AND CONSERVATION

Used on an average of 87% of all U.S. corn, soybean, and cotton acres, glyphosate helps farmers protect yields, reduce costs, and adopt conservation practices like no-till farming and cover cropping. Without glyphosate both farmers' input costs and food inflation could **more than double.**

Glyphosate-enabled no-till farming limits erosion and water loss while keeping soils healthy and more carbon stored in the ground. Thanks to this practice, farmers have:

CO_2 1.2 MILLION TONS

Saved **1.2 million tons** of CO_2-equivalent emissions from farm equipment.

CO_2 32.5 MILLION TONS

Captured an additional **32.5 million tons** of CO_2 per year in the soil—equivalent to taking **6.8 million cars** off the road.

REDUCED WATER - 19%

Reduced water use for irrigation by **19%.**

Hear from farmers about the importance of and need to protect glyphosate:

MODERN AG ALLIANCE