

# The GMO Potato: from Farm to Plate

GMOs allow farmers to **grow more with less resources**.<sup>3</sup>  
In a single year, GMOs allowed farmers to use **59.7M fewer acres of land** to grow the same amount of food.<sup>4</sup>

**GM potatoes**  
are **SAFE** to  
eat and  
**SUSTAINABLE**  
to produce.



1

**GMOs go through rigorous review.**

On average, GMOs take **13 years** and **\$130M** of research and development before coming to market.<sup>1</sup>

In the U.S., this review and approval is conducted by:



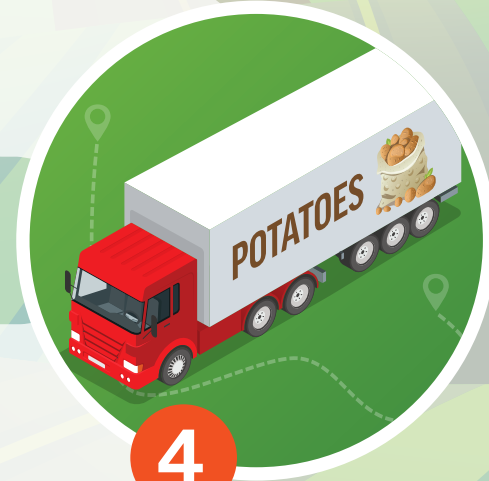
2

**GM potatoes reduce pesticides** with late blight disease protection that enables farmers to **reduce fungicides by 50%**.<sup>5</sup>



3

**GM potatoes reduce food waste** via the non-browning/non-bruising trait. Potatoes bruised during storage and transport contribute to **400M lbs. of food waste** each year.<sup>6</sup>



4

**Enhanced food safety.** GM potatoes have **reduced acrylamide**, a potential carcinogen formed during frying.<sup>7</sup>



5



6

<sup>1</sup> McDougall, P. The cost and time involved in the discovery, development and authorization of a new plant biotechnology derived trait (2011). Retrieved from <https://croplife.org/wp-content/uploads/2014/04/Getting-a-Biotech-Crop-to-Market-Phillips-McDougall-Study.pdf>  
<sup>2</sup> Questions and Answers: Biotechnology and the USDA (2012). Retrieved from [https://www.aphis.usda.gov/publications/biotechnology/content/printable\\_version/BRS\\_QA\\_biotechandusda.pdf](https://www.aphis.usda.gov/publications/biotechnology/content/printable_version/BRS_QA_biotechandusda.pdf)  
<sup>3</sup> Carpenter, J. Impacts of GM crops on biodiversity (2011). Retrieved from [http://www.agrobio.org/bfiles/fckimg/Carpenter-Impacts of GM Crops on Biodiversity.pdf](http://www.agrobio.org/bfiles/fckimg/Carpenter-Impacts%20of%20GM%20Crops%20on%20Biodiversity.pdf)  
<sup>4</sup> Brookes, G. and Barfoot P. (2020), GM crops: global socio-economic and environmental impacts 1996-2018. Retrieved from <https://pgeconomics.co.uk/pdf/globalimpactfinalreportJuly2020.pdf>  
<sup>5</sup> USDA Deregulates Two More Innate Varieties. Retrieved from <http://www.thepacker.com/news/usda-deregulates-two-more-innate-varieties>  
<sup>6</sup> New Commercial Potato Bruises Less, Could Reduce Food Waste (2015). Retrieved from <http://theplate.nationalgeographic.com/2015/01/14/potato-possible-carcinogenic/>  
<sup>7</sup> The Science. Retrieved from <http://www.innatepotatoes.com/get-answers>