

# 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 57.8M 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 16.5 years and \$115M of research and development before coming to market.<sup>1</sup>

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

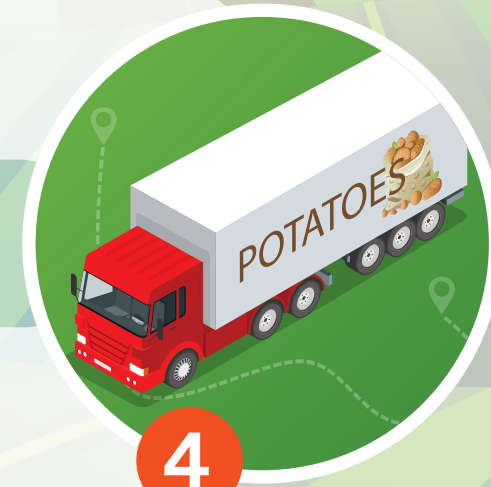


2

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



3



4

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>



5

Enhanced food safety. GM potatoes have reduced acrylamide, a potential carcinogen formed during



6

<sup>1</sup> McDougall, P. The cost and time involved in the discovery, development and authorization of a new plant biotechnology derived trait (2022). <https://croplife.org/plant-biotechnology/regulatory-2/cost-of-bringing-a-biotech-crop-to-market/>  
<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., (2022). GM crops: global socio-economic and environmental impacts 1996-2020. Retrieved from <https://pgeconomics.co.uk/pdf/GlobalImpactBiotechCropsFinalReportOctober2022.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>