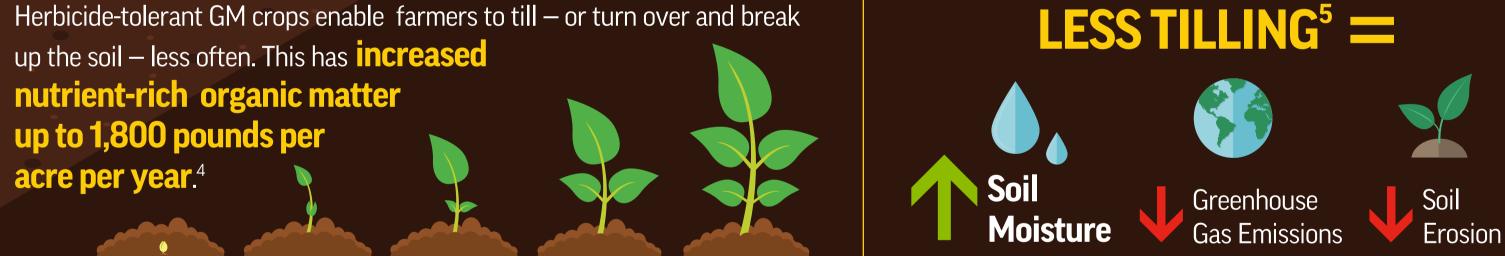
GMOs mprove Rath

Healthy soil is fundamental for **CROPGROWTH** & FOOD FOR THE SECOND S

Over the last 20 YEARS, GMOs

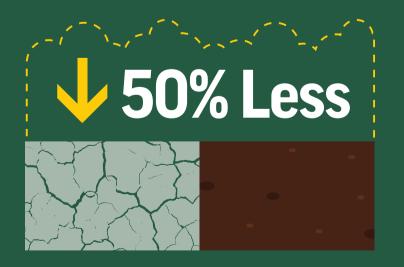
8.2% **REDUCED PESTICIDE** APPLICATIONS²

HAVE:



In the last 150 years, half of the planet's topsoil has been lost, largely as the result of erosion. Erosion clogs streams and rivers, hurting fish and other species, and can worsen flooding.⁶

GMOs are part of sustainable farming that preserves topsoil, preventing erosion and desertification.⁷



LESS EROSION AND HEALTHIER SOIL, ΓΗΔΝΚ **TO GMOs.**

122%

INCREASED

CROP VIELDS³

- ¹ Unlock the Secrets in the Soil: Soil Health. Retrieved from http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/soils/health/
- ² Brookes, G. and Barfoot, P. (2018) Environmental impacts of genetically modified (GM) crop use 1996-2016: Impacts on pesticide use and carbon emissions. http://www.tandfonline.com
- ³ Klumper, W. and Qaim, M. A Meta-Analysis of the Impacts of Genetically Modified Crops (2014). Retrieved from http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0111629
- ⁴ Conservation Technology Information Center: Facilitating Conservation Farming Practices and Enhancing Environment Sustainability with Agricultural Biotechnology (2010). Retrieved from http://www.ctic.purdue.edu/media/pdf/BioTechFINAL%20C0PY%20SEND%20T0%20PRINTER.pdf
- ⁵ Genetic Literacy Project: No-Till Agriculture Offers Vast Sustainability Benefits. So Why Do Many Organic Farmers Reject It? (2016). Retrieved from https://www.geneticliteracyproject.org/2016/06/02/no-till-agriculture-offers-vast-sustainability-benefits-so-why-do-organic-farmers-reject-it/
- ⁶ World Wildlife Fund: Soil Erosion and Degradation. Retrieved from http://www.worldwildlife.org/threats/soil-erosion-and-degradation
- ⁷ Conservation Technology Information Center: Facilitating Conservation Farming Practices and Enhancing Environment Sustainability with Agricultural Biotechnology (2010). Retrieved from http://www.ctic.purdue.edu/media/pdf/BioTechFINAL%20C0PY%20SEND%20T0%20PRINTER.pdf

