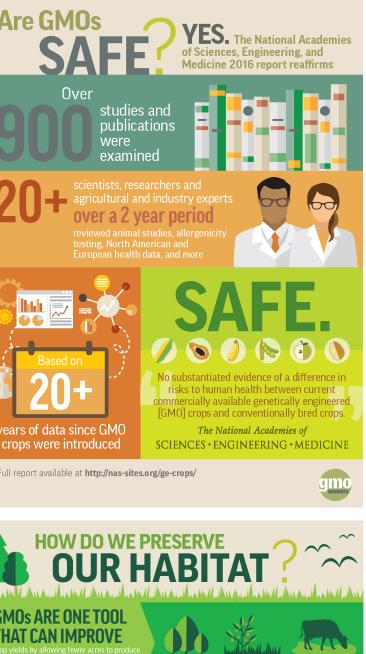
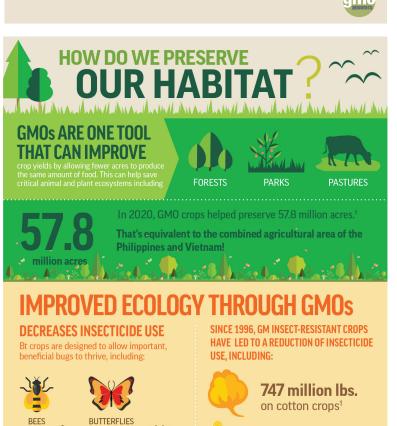


Full report available at http://nas-sites.org/ge-crops/





Brookes, G., (2022). GM crops: global socio-economic and environmental impacts 1996-2020. Retrieved from https://pgeconomics.co.uk/pdf/Globalimpactbiotechcropsfinalreportoctober2022.pdf

LADYBUGS

gmo

188 million lbs. on maize crops1





Contrary to myths about GMOs hurting the environment, GMOs allow farmers to preserve the land while doing more with less resources.

The Environmental CHALLENGE:

POPULATION INCREASE BY 2050

HIGHER DEMAND FOR







PATHS Convert more

Use agricultural technologies like GMOs to increase land, like forests and prairies. crop yields on existing farmland into agricultural production

POTENTIAL

GMOS are **ONE SOLUTION**

In 2020, GMOs allowed farmers to use

57.8 MILLION less acres of land

to produce the same amount of food, fuel and fiber crops



Without access to GMOs, farmers would have needed to plant an additional:









21 MILLION 28.7 MILLION 6.9 MILLION 1.2 MILLION acres of cotton

to keep up with global production levels in 2020²

opulation projected to reach 9.7 billion by 2050 (2015). Retrieved from http://www.narg/ensidesebpment/detea/news/papulation/2015-raport.html
s. G. (2022). GM crops: global socio-excorneic and environmental impacts 1996-2020. Retrieved from https://papscanomics.co.uk/cnf/
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What Does GMO Stand For





GENETICALLY **MODIFIED** ORGANISM.

A GMO crop is the product of a precise crop improvement technique that enables us to take a beneficial trait (like insect resistance or drought tolerance) & transfer it into a crop plant.

GMO also stands for

ENVIRONMENT

- GMOs help us preserve the land while doing more with fewer resources (e.g., drought tolerant and fertilizer use efficient products).1
- GMOs help us reduce food waste (e.g., non-browning GMO apples and GMO potatoes that are less prone to bruising and black spots).2,3





YOU

- **LOWER FOOD COSTS GMOs help us**
- GROW MORE FOOD, SAFELY & SUSTAINABLY GMOs have been proven safe⁵, and over the last 25 years, GMOs have allowed farmers to increase cross

yields by 22% and reduced the overall environmental impact of pesticides

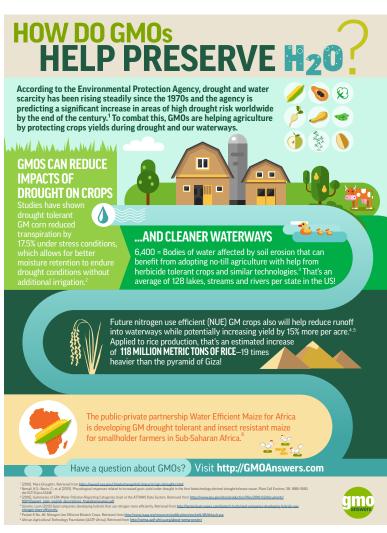
INCREASED NUTRITIONAL BENEFITS Scientists are working on biofortified GMO crops to help address nutrition

nd food security issues around the world.7

GMO stands for food that's **safe to eat** and **sustainable to grow.**

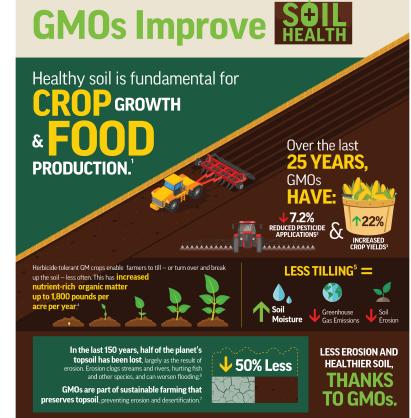
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FARTHWORMS









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