

Can GMOs SCIENCES · ENGINEERING · MEDICINE

GMOS are **ONE SOLUTION**

In 2018, GMOs allowed farmers to use

and FIBER

59.7 MILLION less acres of land

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

That's more than the entire state of

ELP PROTECT

POPULATION

INCREASE BY 2050 HIGHER DEMAND FOR

IRONME

The Environmental

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

Contrary to myths about GMOs hurting

the environment, GMOs allow farmers to

preserve the land while doing more with

POTENTIAL PATHS





Use agricultural technologies like GMOs to increase

crop yields on existing farmland

20 MILLION 30.4 MILLION 7.7 MILLION 1.7 MILLION

Convert more land, like forests and prairies, into agricultural

production

to keep up with global production levels in 2018²



gmo



years of data since GMO

crops were introduced

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



The National Academies of



PASTURES

DECREASES INSECTICIDE USE

Bt crops are designed to allow important, beneficial bugs to thrive, including:



EARTHWORMS

LADYBUGS

SINCE 1996, GM INSECT-RESISTANT CROPS HAVE LED TO A REDUCTION OF INSECTICIDE **USE, INCLUDING:**



729 million lbs. on cotton crops1



247 million lbs. on maize crops¹









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 20 years, GMOs have allowed farmers to increase crop

Scientists are working on biofortified GMO crops to help address nutrition

around the world.7

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

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