

# GLOBAL STATUS OF COMMERCIALIZED BIOTECH/GM CROPS: 2018

Biotech Crops Continue to Help Meet the Challenges of Increased Population and Climate Change

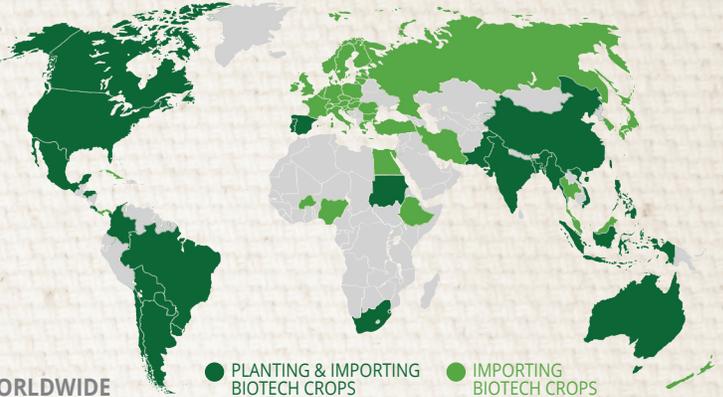


**191.7** MILLION HECTARES BIOTECH CROPS

IN **26** COUNTRIES PLANTED BY **17** MILLION FARMERS

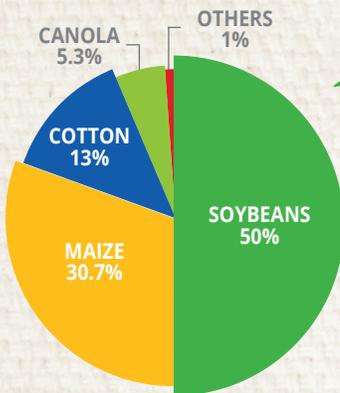
FASTEST ADOPTED CROP TECHNOLOGY IN RECENT TIMES

**70** COUNTRIES ADOPTED BIOTECH CROPS SINCE 1996, THE FIRST YEAR OF COMMERCIAL PLANTING



**BIOTECH CROP AREA INCREASED ~113-FOLD  
ACCUMULATED AREA IS 2.5 BILLION HECTARES**

## MAJOR BIOTECH CROPS

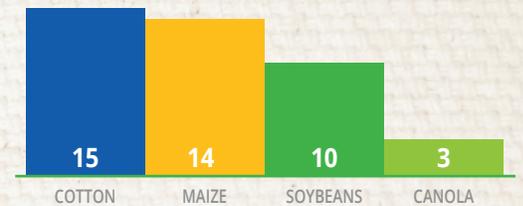


**SOYBEANS**  
HIGHEST ADOPTION WORLDWIDE  
**50%** OF BIOTECH CROP AREA

## OTHER BIOTECH CROPS GROWN IN 2018:



## NUMBER OF COUNTRIES GROWING MAJOR BIOTECH CROPS IN 2018



**4,349** APPROVALS FOR 387 BIOTECH EVENTS FOR 27 CROPS SINCE 1992 INCLUDING CARNATION, ROSE, AND PETUNIA



**MAIZE**  
MOST NUMBER OF APPROVED EVENTS  
**137 EVENTS IN 35 COUNTRIES**



**USA**  
MOST NUMBER OF GM EVENTS  
**544 APPROVED EVENTS**



**INDONESIA**  
PLANTED **BIOTECH SUGARCANE**  
FOR THE FIRST TIME IN 2018

## ESWATINI

PLANTED **BIOTECH COTTON**  
FOR THE FIRST TIME IN 2018



## CONTRIBUTION OF BIOTECH CROPS TO FOOD SECURITY, SUSTAINABILITY, AND CLIMATE CHANGE MITIGATION



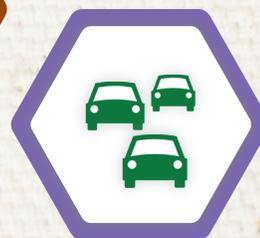
**INCREASE CROP PRODUCTIVITY**  
US\$186.1 BILLION FARM INCOME GAINS IN 1996-2016 FROM BIOTECH CROPS

**CONSERVE BIODIVERSITY**  
SAVED 183 MILLION HECTARES OF LAND FROM PLOWING & CULTIVATION



**PROVIDE A BETTER ENVIRONMENT**  
DECREASED HERBICIDE & INSECTICIDE USE BY 8.4% IN 1996-2016

**REDUCE CO2 EMISSIONS**  
SAVED 27.1 BILLION KGS CO2 EQUIVALENT TO REMOVING 16.7M CARS OFF THE ROAD FOR 1 YEAR



**HELP ALLEVIATE POVERTY & HUNGER**  
UPLIFTED LIVES OF 16-17 MILLION FARMERS & THEIR FAMILIES TOTALING >65 MILLION PEOPLE



For more information, visit:  
**www.isaaa.org**

[isaaa.org](https://www.isaaa.org) [isaaa.org](https://www.isaaa.org) [isaaa.org](https://www.isaaa.org) [isaaa.org](https://www.isaaa.org)

Source: ISAAA. 2018. Global Status of Commercialized Biotech/GM Crops in 2018: Biotech Crops Continue to Address the Challenges of Increased Population and Climate Change. ISAAA Brief No. 54.

**#GMCrops2018**  
**#ISAAAReport2018**