

GLOBAL STATUS OF COMMERCIALIZED BIOTECH/GM CROPS IN 2017

Biotech Crop Adoption Surges as Economic Benefits Accumulate in 22 Years

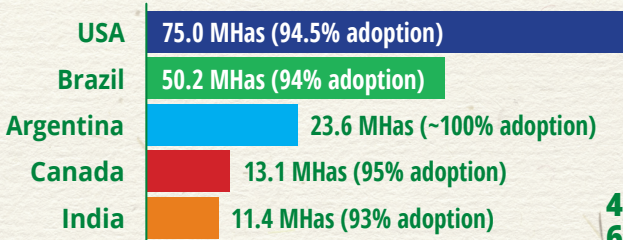


17 MILLION FARMERS

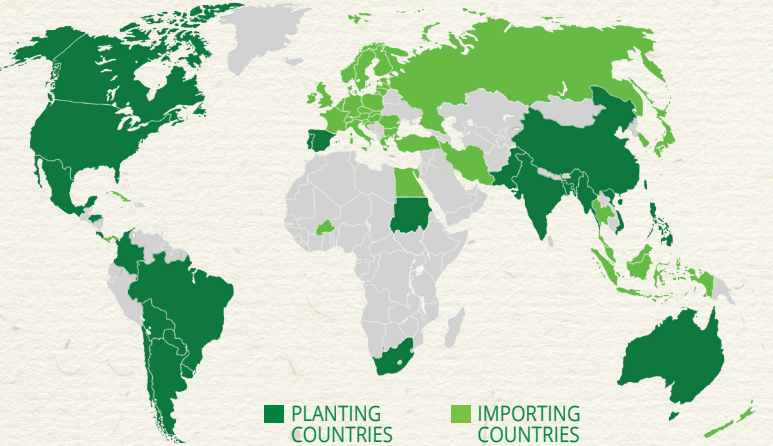
189.8 MILLION HECTARES BIOTECH CROPS IN 2017

FASTEST ADOPTED CROP TECHNOLOGY IN RECENT TIMES

ADOPTION RATES OF TOP 5 BIOTECH CROP-GROWING COUNTRIES REACHED CLOSE TO SATURATION IN 2017



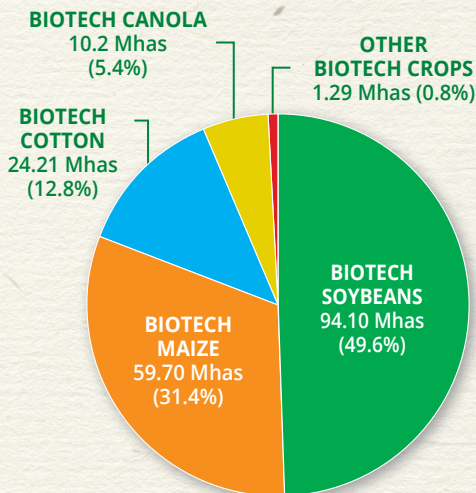
67 COUNTRIES ADOPTED BIOTECH CROPS SINCE 1996
24 COUNTRIES PLANTING • 43 IMPORTING BIOTECH CROPS



4,133 APPROVED EVENTS FOR 26 BIOTECH CROPS IN 67 COUNTRIES (1992-2017)

BIOTECH CROPS INCREASED ~112-FOLD ACCUMULATED AREA IN 22 YEARS IS 2.3 BILLION HECTARES

MAJOR BIOTECH CROPS (AREA & ADOPTION RATE)



BIOTECH SOYBEAN REACHED 50% OF GLOBAL BIOTECH CROP AREA IN 2017



MAIZE
LARGEST NUMBER OF APPROVED EVENTS SINCE 1992
232 APPROVALS
IN 30 COUNTRIES

JAPAN
MOST NUMBER OF APPROVALS
646 APPROVED EVENTS



CONTRIBUTION OF BIOTECH CROPS TO FOOD SECURITY, SUSTAINABILITY, AND CLIMATE CHANGE (1996-2016)

INCREASING CROP PRODUCTIVITY



US\$186.1 BILLION
FARM INCOME GAINS GENERATED GLOBALLY BY BIOTECH CROPS

CONSERVING BIODIVERSITY



PRODUCTIVITY GAINED THROUGH BIOTECHNOLOGY SAVED **183 MILLION HECTARES** LAND FROM PLOWING & CULTIVATION

PROVIDING A BETTER ENVIRONMENT



LESS PESTICIDE APPLICATIONS
DECREASED ENVIRONMENTAL IMPACT FROM HERBICIDE & INSECTICIDE USE BY **18.4%**

REDUCING CO2 EMISSIONS



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

HELPING ALLEVIATE POVERTY & HUNGER



BIOTECH CROPS UPLIFTED THE LIVES OF **16-17 MILLION SMALL FARMERS** & THEIR FAMILIES TOTALING **>65 MILLION PEOPLE**



For more information, visit ISAAA website:

www.isaaa.org

Source: ISAAA. 2017. Global Status of Commercialized Biotech/GM Crops in 2017: Biotech Crop Adoption Surges as Economic Benefits Accumulate in 22 Years. ISAAA Brief No. 53.

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#GMCrops2017
#ISAAAReport2017