

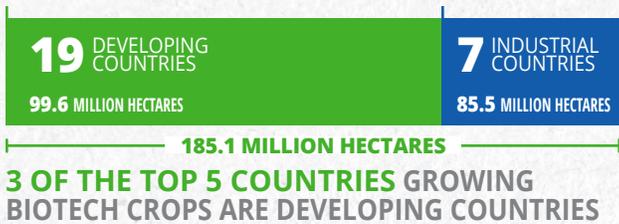
GLOBAL STATUS OF COMMERCIALIZED BIOTECH/GM CROPS IN 2016



185.1 MILLION HECTARES BIOTECH CROPS
 IN **26** COUNTRIES PLANTED BY **18** MILLION FARMERS

FASTEST ADOPTED CROP TECHNOLOGY IN RECENT TIMES

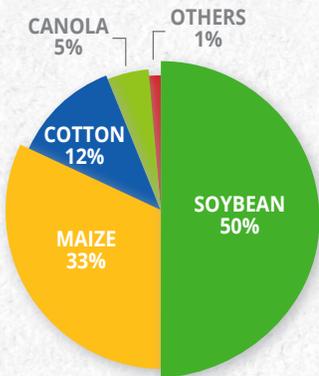
DEVELOPING COUNTRIES GREW MORE BIOTECH CROPS IN 2016



TOP 5 COUNTRIES GROWING BIOTECH CROPS:
 USA (72.9 Million Hectares)
 Brazil (49.1)
 Argentina (23.8)
 Canada (11.6)
 India (10.8)

BIOTECH CROPS INCREASED ~110-FOLD FROM 1996-2016; ACCUMULATED AREA IS 2.1 BILLION HECTARES

MAJOR BIOTECH CROPS



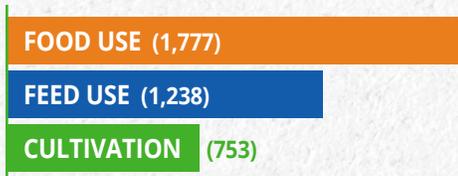
BIOTECH SOYBEAN

REACHED **50%** OF GLOBAL BIOTECH CROP AREA IN 2016

OTHER BIOTECH CROPS IN THE MARKET:



3,768 APPROVED EVENTS FOR BIOTECH CROPS IN 40 COUNTRIES (1994-2016)



MAIZE

HAS LARGEST NUMBER OF APPROVED EVENTS SINCE 1994

218 APPROVALS IN 29 COUNTRIES

BENEFITS OF BIOTECH CROPS

INCREASE CROP PRODUCTIVITY

US\$167.8 BILLION
 GLOBAL FARM INCOME GAINS (1996-2015) GENERATED BY BIOTECH CROPS

CONSERVE BIODIVERSITY

PRODUCTIVITY GAINED THROUGH BIOTECHNOLOGY (1996-2016) HELPED SAVE

174 MILLION HECTARES OF LAND FROM PLOUGHING & CULTIVATION



PROVIDE A BETTER ENVIRONMENT



REDUCED PESTICIDE APPLICATIONS

DECREASED ENVIRONMENTAL IMPACT FROM HERBICIDE & INSECTICIDE USE BY **19%**

REDUCE CO2 EMISSIONS

REDUCED GREENHOUSE GASES & HELPED MITIGATE CLIMATE CHANGE. IN 2015, 26.7 BILLION KGS CO2 WAS SAVED EQUIVALENT TO REMOVING

~12 MILLION CARS OFF THE ROAD FOR 1 YEAR



HELP ALLEVIATE POVERTY & HUNGER

BIOTECH CROPS BENEFITED

18 MILLION SMALL FARMERS AND THEIR FAMILIES TOTALING



>65 MILLION PEOPLE



For more information, visit ISAAA website:

www.isaaa.org

Source: ISAAA. 2016. Global Status of Commercialized Biotech/GM Crops: 2016. ISAAA Brief No. 52.



#GMCrops2016
#ISAAAReport2016