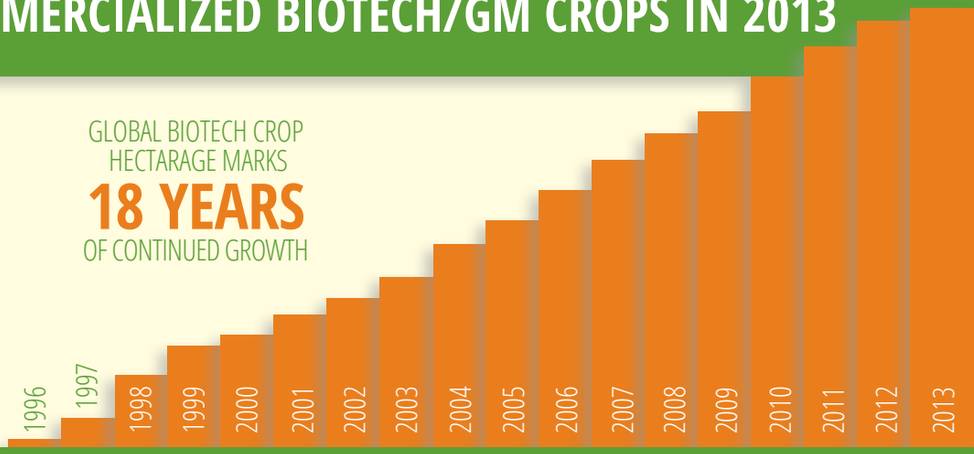
GLOBAL STATUS OF COMMERCIALIZED BIOTECH/GM CROPS IN 2013

18 million farmers
in **27** countries planted
175 million hectares of biotech crops

GLOBAL BIOTECH CROP HECTARAGE MARKS
18 YEARS
OF CONTINUED GROWTH



27 COUNTRIES PLANTED BIOTECH CROPS IN 2013

FOR THE SECOND CONSECUTIVE YEAR DEVELOPING COUNTRIES PLANTED MORE BIOTECH CROP HECTARES THAN INDUSTRIAL COUNTRIES

19 DEVELOPING COUNTRIES
94.1 Million Hectares

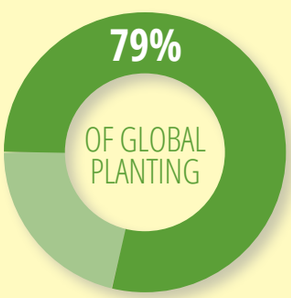
- Brazil
- Argentina
- India
- China
- Paraguay
- South Africa
- Pakistan
- Uruguay
- Bolivia
- Philippines
- Burkina Faso
- Myanmar
- Mexico
- Colombia
- Sudan
- Chile
- Honduras
- Cuba
- Costa Rica

8 INDUSTRIAL COUNTRIES
81.1 Million Hectares

- USA
- Canada
- Australia
- Spain
- Portugal
- Czech Republic
- Romania
- Slovakia

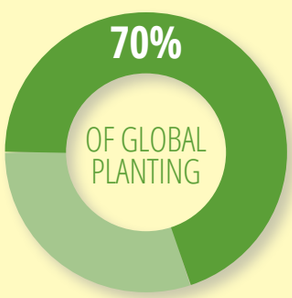
THE 4 MAJOR BIOTECH CROPS ARE: SOYBEAN, COTTON, MAIZE, & CANOLA

SOYBEAN



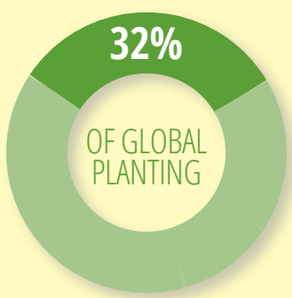
84.5 million hectares
grown in **11** countries

COTTON



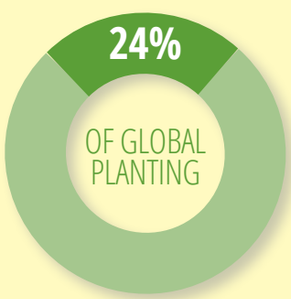
23.9 million hectares
grown in **15** countries

MAIZE



57.4 million hectares
grown in **17** countries

CANOLA



8.2 million hectares
grown in **4** countries

CONTRIBUTION OF BIOTECH CROPS TO SUSTAINABILITY

CONTRIBUTING TO
FOOD, FEED, & FIBER SECURITY
increasing productivity
more affordable food
reduced production costs

CONSERVING
BIODIVERSITY
biotech crops are a **land saving technology**
prevent **deforestation**
protect **biodiversity**

CONTRIBUTING TO
ALLEVIATION OF POVERTY & HUNGER
biotech crops contribute to the incomes of **16.5 million small, resource-poor farmers**

REDUCING AGRICULTURE'S
ENVIRONMENTAL FOOTPRINT
biotechnology decreases **CO2 emissions**
reduced **pesticide use** by **497 million kgs**

HELPING MITIGATE
CLIMATE CHANGE
biotechnology reduces **greenhouse gases**
reduced CO2 emissions equivalent to removing **11.8 million cars** off the road for **1 year**

ISAAA

FOR MORE INFORMATION, VISIT ISAAA'S WEBSITE: **http://www.isaaa.org**

Source: James, Clive. 2013. Global Status of Commercialized Biotech/GM Crops: 2013. ISAAA Brief No. 46.

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