

BIOTECH SOYBEANS

FIRST COMMERCIAL PLANTING IN 1996

MILLION HECTARES TOTAL AREA IN 2018



APPROVED FOR IMPORT IN

PLANTED BY FARMERS IN 9 COUNTRIES

USA BRAZIL **ARGENTINA**

PARAGUAY CANADA URUGUAY

BOLIVIA SOUTH AFRICA CHILE



APPROVED EVENTS IN

SOYBEANS

IS THE WORLD'S TOP PRODUCER

OF THE WORLD'S BIOTECH CROP AREA

OF SOYBEANS

IS THE TOP EXPORTER OF SOYBEANS IN THE WORLD



OF SOYBEAN GLOBAL **AREA OF 123.5 MILLION HECTARES IN 2018** IS BIOTECH

For more, download: bit.ly/2018Soybeans



FIRST COMMERCIAL PLANTING IN 1996

MILLION HECTARES TOTAL AREA IN 2018



APPROVED FOR IMPORT IN COUNTRIES

PLANTED BY FARMERS IN

USA **BRAZIL ARGENTINA** CANADA **PARAGUAY**

SOUTH AFRICA **URUGUAY PHILIPPINES** SPAIN COLOMBIA

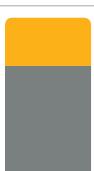
VIETNAM **HONDURAS** CHILE **PORTUGAL**



APPROVED EVENTS IN **35 COUNTRIES**

MAIZE EVENT

RECEIVED 61 APPROVALS FROM 28 COUNTRIES



For more, download: bit.ly/2018Maize

OF MAIZE GLOBAL **AREA OF 197.2 MILLION HECTARES IN 2018** IS BIOTECH



OF COTTON GLOBAL AREA OF 32.9 MILLION HECTARES IN 2018 IS BIOTECH

For more, download: bit.ly/2018Cotton



BIOTECH COTTON

FIRST COMMERCIAL PLANTING IN 1996

MILLION HECTARES TOTAL AREA IN 2018

APPROVED FOR IMPORT IN





PLANTED BY FARMERS IN

USA **BRAZIL ARGENTINA** INDIA **PARAGUAY**

CHINA **PAKISTAN SOUTH AFRICA AUSTRALIA MYANMAR**

SUDAN **MEXICO COLOMBIA COSTA RICA ESWATINI**



APPROVED EVENTS IN 27 COUNTRIES

IS TOP COTTON PRODUCER IN THE WORLD



MILLION FARMERS AND THEIR FAMILIES

IN INDIA HAVE ENJOYED THE BENEFITS OF PLANTING BT COTTON

For more, download: bit.ly/2018Canola



BIOTECH CANOLA

FIRST COMMERCIAL PLANTING IN 1996

MILLION HECTARES TOTAL AREA IN 2018



APPROVED FOR IMPORT IN 10 COUNTRIES

PLANTED BY FARMERS IN

CANADA **AUSTRALIA CHILE**



APPROVED EVENTS IN 15 COUNTRIES



PLANTED 8.7 MILLION HECTARES BIOTECH CANOLA IN 2018

OF CANOLA GLOBAL

HECTARES IN 2018

IS BIOTECH

AREA OF 34.7 MILLION

MOST OF BIOTECH CANOLA HERBICIDE TOLERANT

GROWS BIOTECH CANOLA FOR SEED EXPORT



HARVXTRA™ ALFALFA

WAS FIRST PLANTED IN 2016

BIOTECH ALFALFA

MILLION HECTARES

TOTAL AREA IN 2018

APPROVED EVENTS IN

10 COUNTRIES

USA PLANTED

RR® & HARVXTRA™

ALFALFA

FIRST COMMERCIAL PLANTING IN 2006

APPROVED FOR IMPORT IN

5 COUNTRIES

PLANTED BY FARMERS IN

2 COUNTRIES

CANADA PLANTED

HARVXTRA™

ALFALFA

USA

CANADA



HIGH DEMAND FROM FARMERS

- CONTAINS LESS LIGNIN • HIGHER DIGESTIBILITY
- OFFERS 15-20% YIELD INCREASE

BIOTECH ALFALFA ADOPTION RATES IN THE USA AND CANADA IS LIKELY TO INCREASE AS MORE AND MORE FARMERS REALIZE THE BENEFITS OF THE TECHNOLOGY IN LIVESTOCK PRODUCTION AND FARM MANAGEMENT.

For more, download: bit.ly/2018Alfalfa



TOP 5 BIOTECH CROPS IN THE WORLD

WWW.ISAAA.ORG

AN ISAAA INFOGRAPHIC BY CLEMENT DIONGLAY

SOURCES: ISAAA Brief 54 (bit.ly/ISAAABrief54) ISAAA GM Approval Databasen (bit.ly/GMApprovalDatabase) ISAAA Pocket K No. 2 (bit.ly/PKNo2)

NOTE: In these ISAAA resources, the European Union (EU = 28 countries) is counted as one (1) country.



