



BIOTECH SOYBEANS

FIRST COMMERCIAL PLANTING IN 1996

95.9 MILLION HECTARES
TOTAL AREA IN 2018

APPROVED FOR IMPORT IN
18 COUNTRIES

PLANTED BY FARMERS IN
9 COUNTRIES

USA BRAZIL ARGENTINA
PARAGUAY CANADA URUGUAY
BOLIVIA SOUTH AFRICA CHILE

38 APPROVED EVENTS IN
31 COUNTRIES

SOYBEANS ACCOUNT FOR **50%** OF THE WORLD'S BIOTECH CROP AREA

USA IS THE WORLD'S TOP PRODUCER OF SOYBEANS
BRAZIL IS THE TOP EXPORTER OF SOYBEANS IN THE WORLD

78%
OF SOYBEAN GLOBAL AREA OF 123.5 MILLION HECTARES IN 2018 IS BIOTECH

For more, download: bit.ly/2018Soybeans



BIOTECH MAIZE

FIRST COMMERCIAL PLANTING IN 1996

58.9 MILLION HECTARES
TOTAL AREA IN 2018

APPROVED FOR IMPORT IN
15 COUNTRIES

PLANTED BY FARMERS IN
14 COUNTRIES

USA BRAZIL ARGENTINA CANADA PARAGUAY
SOUTH AFRICA URUGUAY PHILIPPINES SPAIN COLOMBIA
VIETNAM HONDURAS CHILE PORTUGAL

137 APPROVED EVENTS IN
35 COUNTRIES

MAIZE EVENT **NK603** RECEIVED **61 APPROVALS** FROM
28 COUNTRIES

30%
OF MAIZE GLOBAL AREA OF 197.2 MILLION HECTARES IN 2018 IS BIOTECH

For more, download: bit.ly/2018Maize



BIOTECH COTTON

FIRST COMMERCIAL PLANTING IN 1996

24.9 MILLION HECTARES
TOTAL AREA IN 2018

APPROVED FOR IMPORT IN
8 COUNTRIES

PLANTED BY FARMERS IN
15 COUNTRIES

USA BRAZIL ARGENTINA INDIA PARAGUAY
CHINA PAKISTAN SOUTH AFRICA AUSTRALIA MYANMAR
SUDAN MEXICO COLOMBIA COSTA RICA ESWATINI

63 APPROVED EVENTS IN
27 COUNTRIES

INDIA IS TOP COTTON PRODUCER IN THE WORLD

7.5 MILLION FARMERS AND THEIR FAMILIES IN INDIA HAVE ENJOYED THE BENEFITS OF PLANTING BT COTTON

76%
OF COTTON GLOBAL AREA OF 32.9 MILLION HECTARES IN 2018 IS BIOTECH

For more, download: bit.ly/2018Cotton



BIOTECH CANOLA

FIRST COMMERCIAL PLANTING IN 1996

10.1 MILLION HECTARES
TOTAL AREA IN 2018

APPROVED FOR IMPORT IN
10 COUNTRIES

PLANTED BY FARMERS IN
4 COUNTRIES

USA CANADA AUSTRALIA CHILE

37 APPROVED EVENTS IN
15 COUNTRIES

95% BIOTECH CANOLA'S ADOPTION RATE IN CANADA

CANADA PLANTED 8.7 MILLION HECTARES BIOTECH CANOLA IN 2018

MOST OF BIOTECH CANOLA PLANTED IN CANADA ARE **HERBICIDE TOLERANT**

CHILE GROWS BIOTECH CANOLA FOR SEED EXPORT

29%
OF CANOLA GLOBAL AREA OF 34.7 MILLION HECTARES IN 2018 IS BIOTECH

For more, download: bit.ly/2018Canola



BIOTECH ALFALFA

FIRST COMMERCIAL PLANTING IN 2006

1.3 MILLION HECTARES
TOTAL AREA IN 2018

APPROVED FOR IMPORT IN
5 COUNTRIES

PLANTED BY FARMERS IN
2 COUNTRIES

USA CANADA

5 APPROVED EVENTS IN
10 COUNTRIES

CANADA PLANTED **HARVXTRA™ ALFALFA** | USA PLANTED **RR® & HARVXTRA™ ALFALFA**

HARVXTRA™ ALFALFA WAS FIRST PLANTED IN 2016

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 Databases (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.

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