2013 GLOBAL BIOTECH CROP REPORT

Highlights of global biotech crop adoption by The International Service for the Acquisition of Agri-biotech Applications (ISAAA). For more information, visit ISAAA.org.

Global biotech crop plantings mark 18 years of continued growth

18 MILLION FARMERS in 27 countries

PLANT BIOTECH CROPS

Global hectarage

Global biotech crop plantings increased > 100-fold over the past 18 years.

175M

Hectarage in 2013 increased 5 million hectares or 3% over 2012

1.7M

1996

2013

1.5 BILLION HECTARES WORLDWIDE

In 2013, 1.5 billion hectares of all crops were planted worldwide. 12% were biotech crops.

To date, accumulated hectarage of biotech crops planted worldwide stands at 1.5 billion hectares or 150% of the total landmass of China.

DEVELOPING VS INDUSTRIAL COUNTRIES

Countries that planted biotech crop hectares:

27 in total

19 developing

8 industrial

FARMERS PLANTING BIOTECH CROPS

18 million in total

90% small & resource poor

Nearly 100% of farmers who try biotech crops plant year after year

TOP 5 COUNTRIES BY HECTARAGE

Millions of biotech crop hectares planted

70.1 M

USA

40.3 M

Brazil

24.4 M

Argentina

11 M

India

10.8 M

Canada

NOTABLE MILESTONES

During 2013, the following milestones were achieved through political will and public-private partnerships:

United States planted the world's first biotech drought-tolerant maize, which uses less water to grow more grain.

Africa in partnership with Monsanto and the Water Efficient Maize for Africa project is expected to deliver drought tolerant maize to selected African countries in 2017.

Brazil and BASF, working together, have developed and approved a herbicide tolerant soybean that is ready for commercialization.

Bangladesh approved its first biotech crop, Bt eggplant, through a public-private partnership with Indian company, Mahyco.

Indonesia in partnership with Ajinomoto developed and approved drought-tolerant sugarcane (the world's first approval) for food use, with plans to cultivate in 2014.

About ISAAA and Clive James, Author of the Report

The International Service for the Acquisition of Agri-biotech Applications (ISAAA) is a not-for-profit organization with an international network of centers designed to contribute to the alleviation of hunger and poverty by sharing knowledge and crop biotechnology applications. Clive James, Emeritus Chairman and Founder of ISAAA, has lived and/or worked for the past 30 years in the developing countries of Asia, Latin America and Africa, devoting his efforts to agricultural research and development issues with a focus on crop biotechnology and global food security.