2012 ISAAA Report on Global Status of Biotech/GM Crops

by

Dr. Clive James
Founder and Chair, ISAAA Board of Directors

International Service for the Acquisition Of Agri-biotech Applications (ISAAA)

http://www.isaaa.org
Mission of ISAAA:

- Share knowledge on crop biotechnology so that the global community is more well informed about the attributes and potential of the new technologies.
- Contribute to poverty alleviation by increasing crop productivity and income generation, particularly for resource-poor farmers, and to bring about a safer environment and more sustainable agricultural development, through crop biotechnology.
- For more information, visit http://www.isaaa.org
Global Area of Biotech Crops, 1996 to 2012: Industrial and Developing Countries (M Has, M Acres)

Source: Clive James, 2012
Global Area of Biotech Crops, 1996 to 2012:
By Crop (Million Hectares, Million Acres)

Source: Clive James, 2012
Global Area of Biotech Crops, 1996 to 2012: By Trait (Million Hectares, Million Acres)

Source: Clive James, 2012
Global Adoption Rates (%) for Principal Biotech Crops (Million Hectares, Million Acres), 2012

Source: Clive James, 2012
Biotech Crop Countries and Mega-Countries, 2012

- **USA** 69.5 Million Has. Maize, Soybean, Cotton, Canola, Sugarbeet, Alfalfa, Papaya, Squash
- **Canada** 11.6 Million Has. Maize, Canola, Maize, Soybean, Sugarbeet
- **Portugal** <0.05 Million Has. Maize
- **Spain** 0.1 Million Has. Maize
- **Czech Republic** <0.05 Million Has. Maize
- **Slovakia** <0.05 Million Has. Maize
- **Romania** <0.05 Million Has. Maize
- **China** 4.0 Million Has. Cotton, Papaya, Papric, Tomato, Sweet Pepper
- **India** 10.8 Million Has. Cotton
- **Myanmar** 0.3 Million Has. Cotton
- **Philippines** 0.8 Million Has. Maize
- **Australia** 0.7 Million Has. Cotton, Canola
- **Pakistan** 2.8 Million Has. Cotton
- **Egypt** <0.05 Million Has. Maize
- **Senegal** <0.05 Million Has. Cotton

*18 biotech mega-countries growing 50,000 hectares, or more, of biotech crops.

Source: Clive James, 2012.
A record 17.3 million farmers, in 28 countries, planted 170.3 million hectares (420 million acres) in 2012, a sustained increase of 6% or 10.3 million hectares (25 million acres) over 2011.

Source: Clive James, 2012.