2013 ISAAA Report on Global Status of Biotech/GM Crops

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

http://www.isaaa.org
ISAAA

US registered, Not-for-Profit Charity, co-sponsored by public and private sector organizations

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 2013: Industrial and Developing Countries (M Has, M Acres)

M Acres

Source: Clive James, 2013
Global Area of Biotech Crops, 1996 to 2013: By Crop ( Million Hectares, Million Acres)

Source: Clive James, 2013
Global Area of Biotech Crops, 1996 to 2013: By Trait (Million Hectares, Million Acres)

Source: Clive James, 2013
Global Adoption Rates (%) for Principal Biotech Crops (Million Hectares, Million Acres), 2013

Source: Clive James, 2013
Biotech Crop Countries and Mega-Countries*, 2013

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

Source: Clive James, 2013.
Global Area (Million Hectares) of Biotech Crops, 2013: by Country

**Biotech Mega Countries**

50,000 hectares (125,000 acres), or more

<table>
<thead>
<tr>
<th>Country</th>
<th>Million Hectares</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>70.1</td>
</tr>
<tr>
<td>Brazil*</td>
<td>40.3</td>
</tr>
<tr>
<td>Argentina*</td>
<td>24.4</td>
</tr>
<tr>
<td>India*</td>
<td>11.0</td>
</tr>
<tr>
<td>Canada</td>
<td>10.8</td>
</tr>
<tr>
<td>China*</td>
<td>4.2</td>
</tr>
<tr>
<td>Paraguay*</td>
<td>3.6</td>
</tr>
<tr>
<td>South Africa*</td>
<td>2.9</td>
</tr>
<tr>
<td>Pakistan*</td>
<td>2.8</td>
</tr>
<tr>
<td>Uruguay*</td>
<td>1.5</td>
</tr>
<tr>
<td>Bolivia*</td>
<td>1.0</td>
</tr>
<tr>
<td>Philippines*</td>
<td>0.8</td>
</tr>
<tr>
<td>Australia</td>
<td>0.6</td>
</tr>
<tr>
<td>Burkina Faso*</td>
<td>0.5</td>
</tr>
<tr>
<td>Myanmar*</td>
<td>0.3</td>
</tr>
<tr>
<td>Spain</td>
<td>0.1</td>
</tr>
<tr>
<td>Mexico*</td>
<td>0.1</td>
</tr>
<tr>
<td>Colombia*</td>
<td>0.1</td>
</tr>
<tr>
<td>Sudan*</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Less than 50,000 hectares

<table>
<thead>
<tr>
<th>Country</th>
<th>Million Hectares</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chile*</td>
<td>Czech Republic</td>
</tr>
<tr>
<td>Honduras*</td>
<td>Costa Rica*</td>
</tr>
<tr>
<td>Portugal</td>
<td>Romania</td>
</tr>
<tr>
<td>Cuba*</td>
<td>Slovakia</td>
</tr>
</tbody>
</table>

* Developing countries

27 countries which have adopted biotech crops

In 2013, global area of biotech crops was 175.2 million hectares, representing an increase of 3% over 2012, equivalent to 5 million hectares.

Source: Clive James, 2013.
A record 18 million farmers, in 27 countries, planted 175.2 million hectares (433 million acres) in 2013, a sustained increase of 3% or 5 million hectares (12 million acres) over 2012.

Source: Clive James, 2013.