



# **2011 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>**

# 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>**

# The Philanthropic Co-sponsors of the ISAAA 2011 Report

---



## **Fondazione Bussolera-Branca, Italy**

– supports the sharing of knowledge to aid global society to make knowledge-based decisions about biotech crops

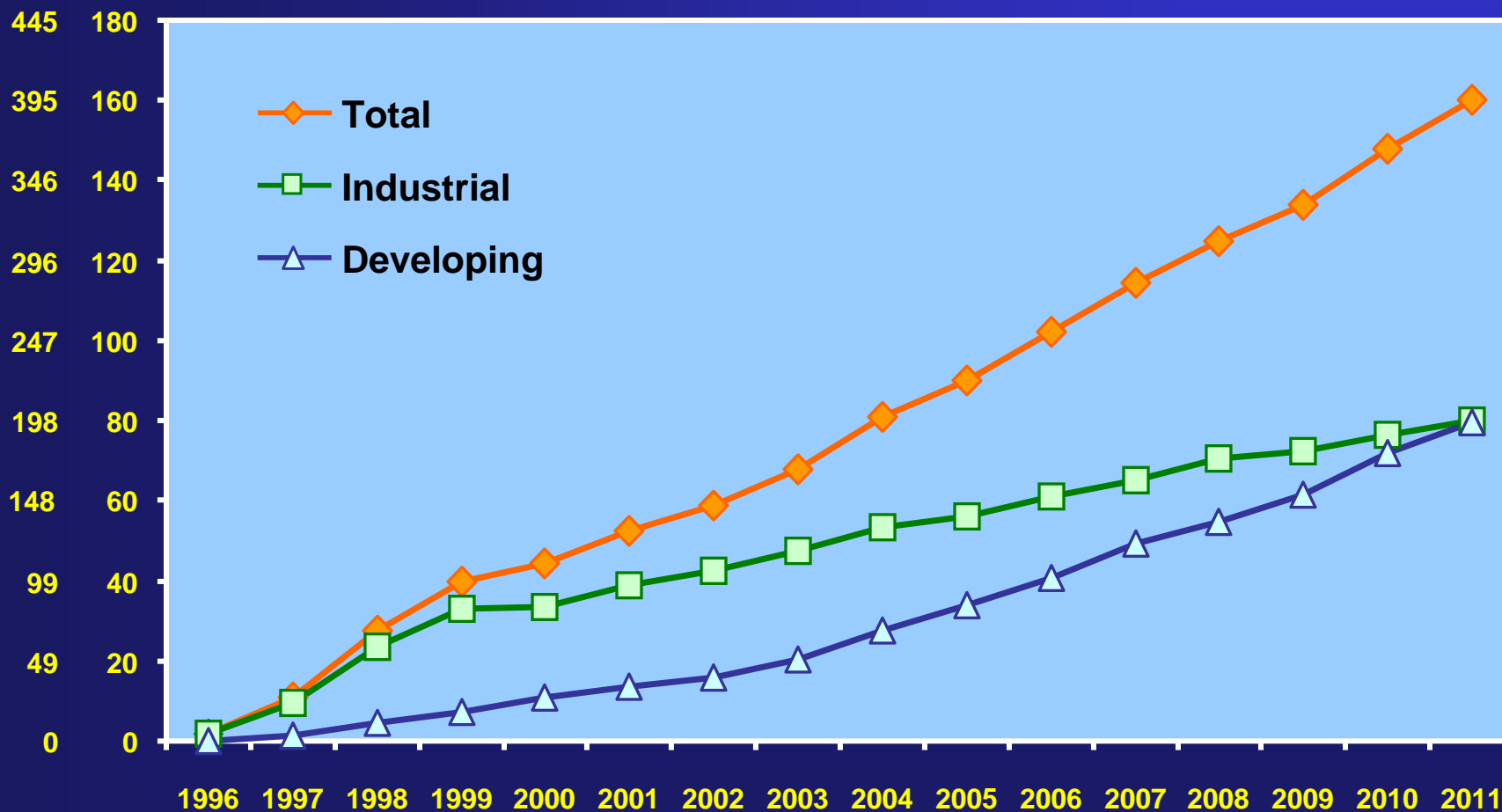
## **Ibercaja, Spain**

– the fourth largest bank in Spain based in the maize growing area of the country where Bt maize is successfully grown – the largest area of Bt maize in the EU

# Global Area of Biotech Crops, 1996 to 2011: Industrial and Developing Countries (M Has, M Acres)



M Acres

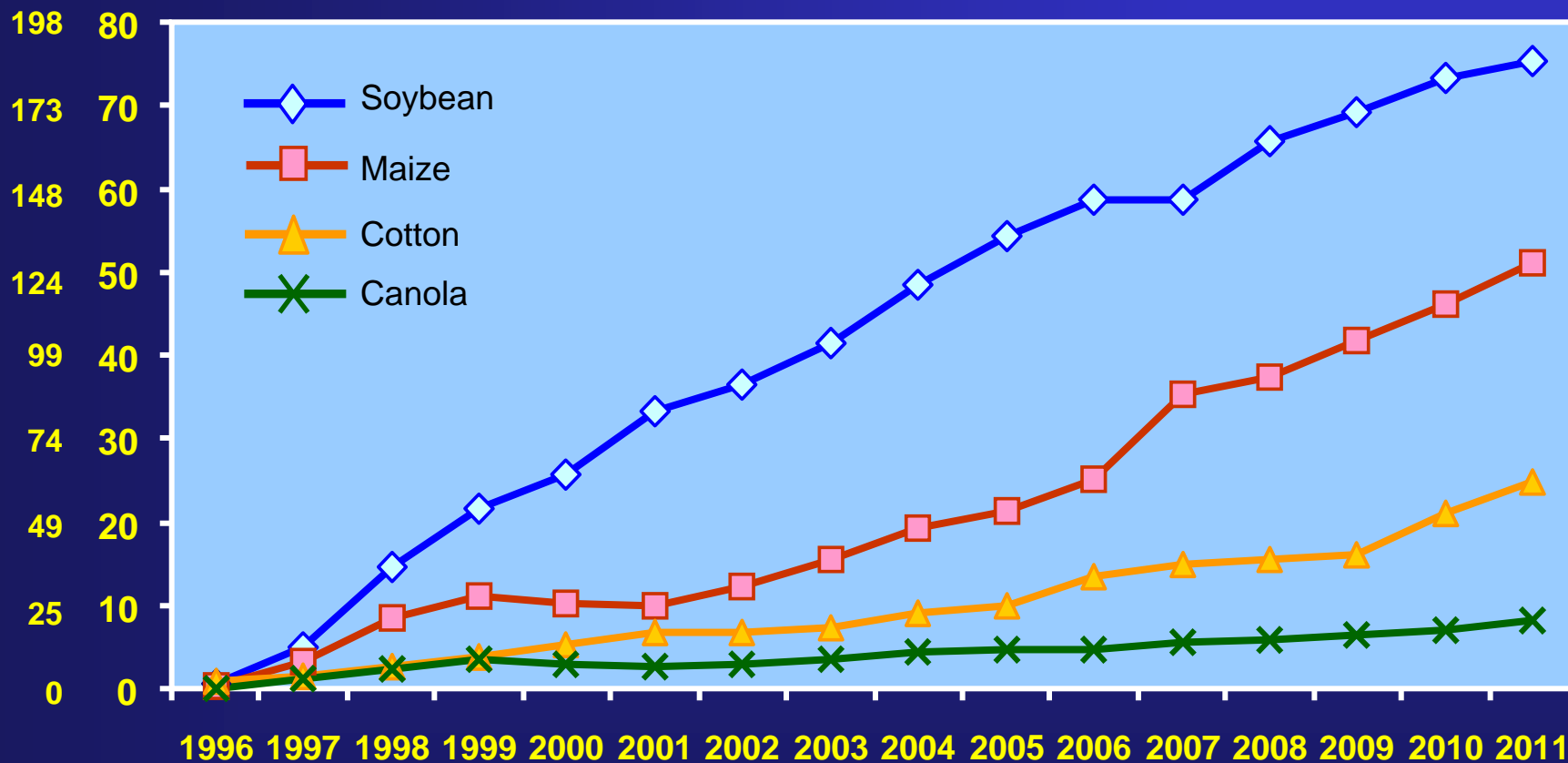


Source: Clive James, 2012

# Global Area of Biotech Crops, 1996 to 2011: By Crop (Million Hectares, Million Acres)



M Acres

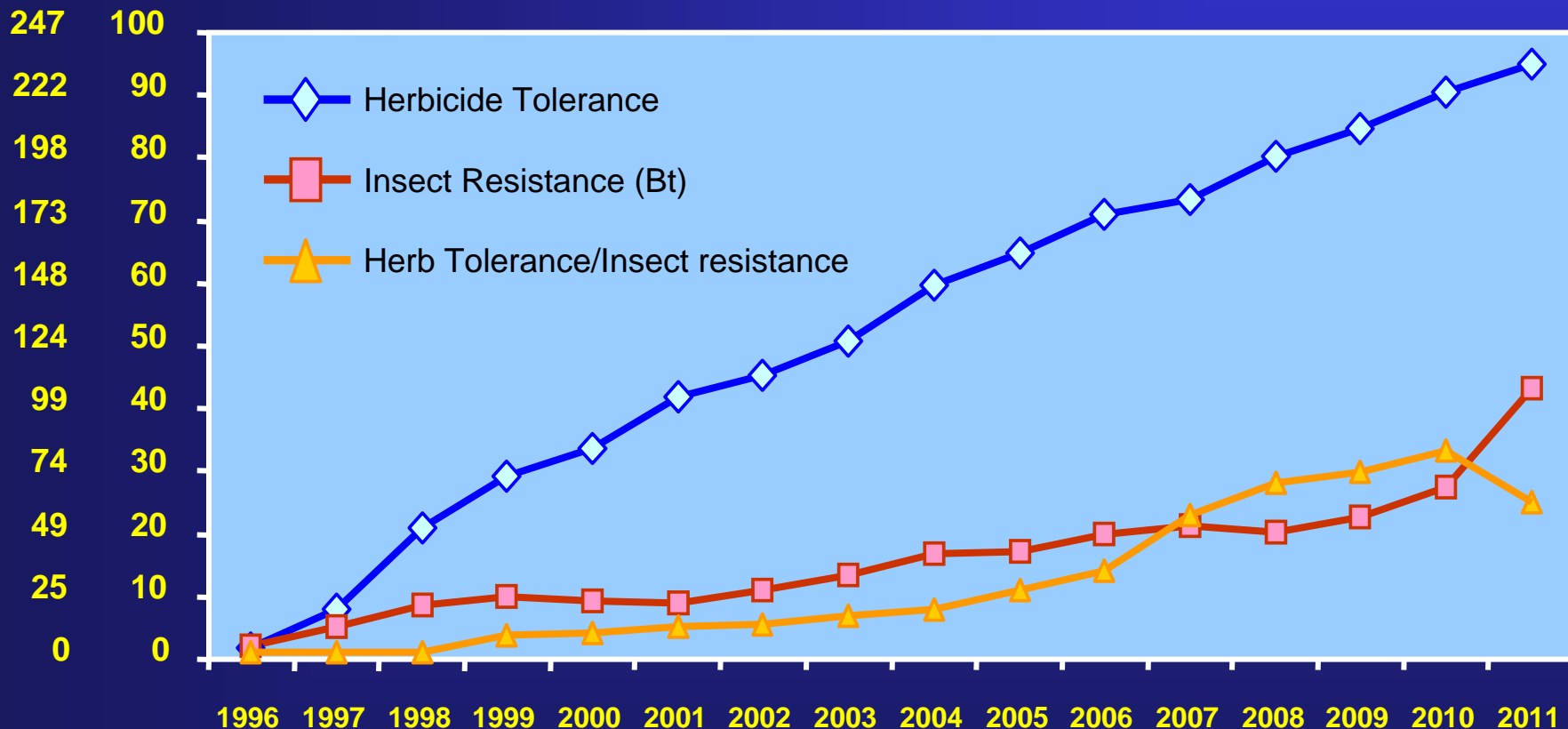


Source: Clive James, 2012

# Global Area of Biotech Crops, 1996 to 2011: By Trait (Million Hectares, Million Acres)



M Acres

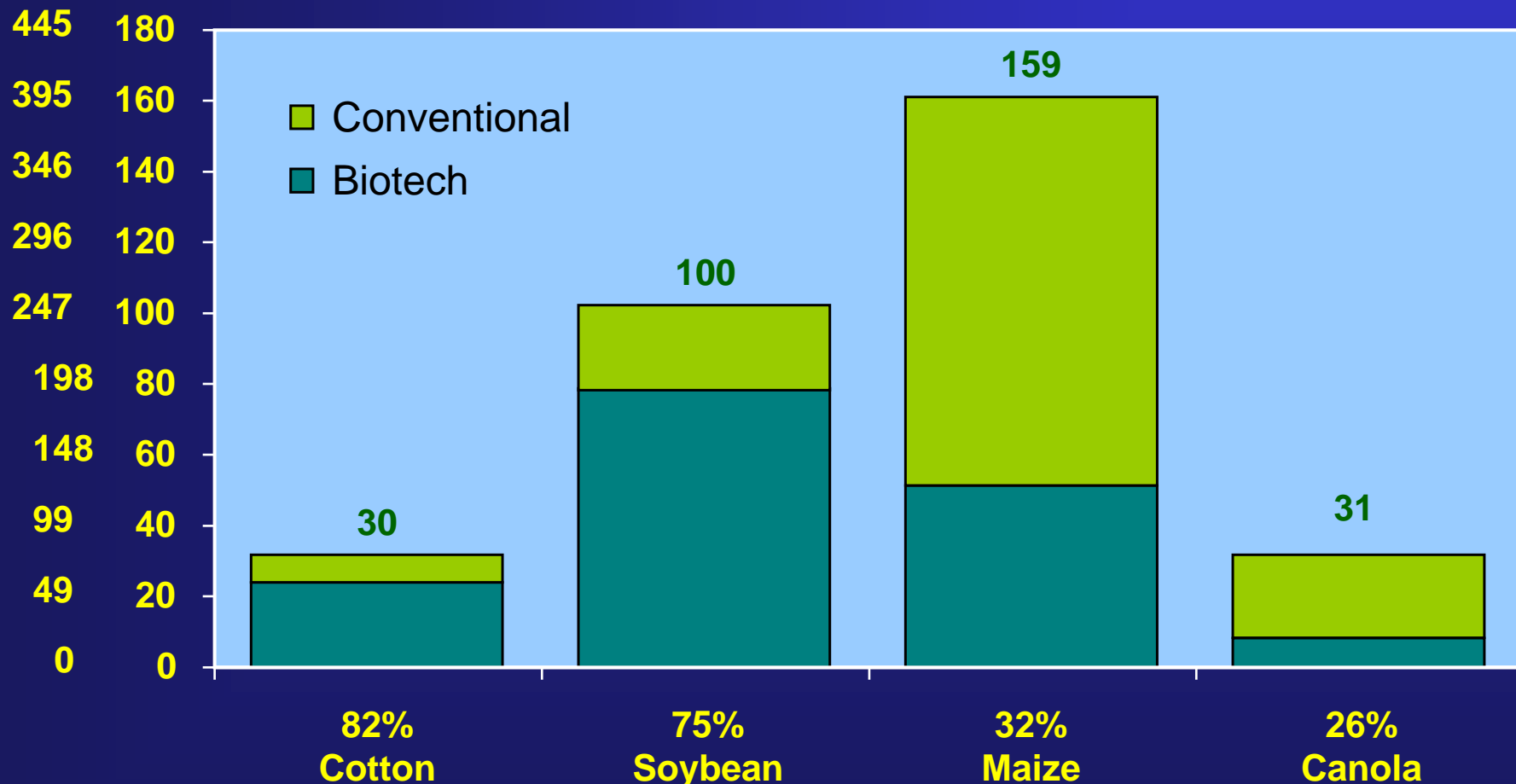


Source: Clive James, 2012

# Global Adoption Rates (%) for Principal Biotech Crops (Million Hectares, Million Acres), 2011



M Acres



Source: Clive James, 2012

# Biotech Crop Countries and Mega-Countries, 2011

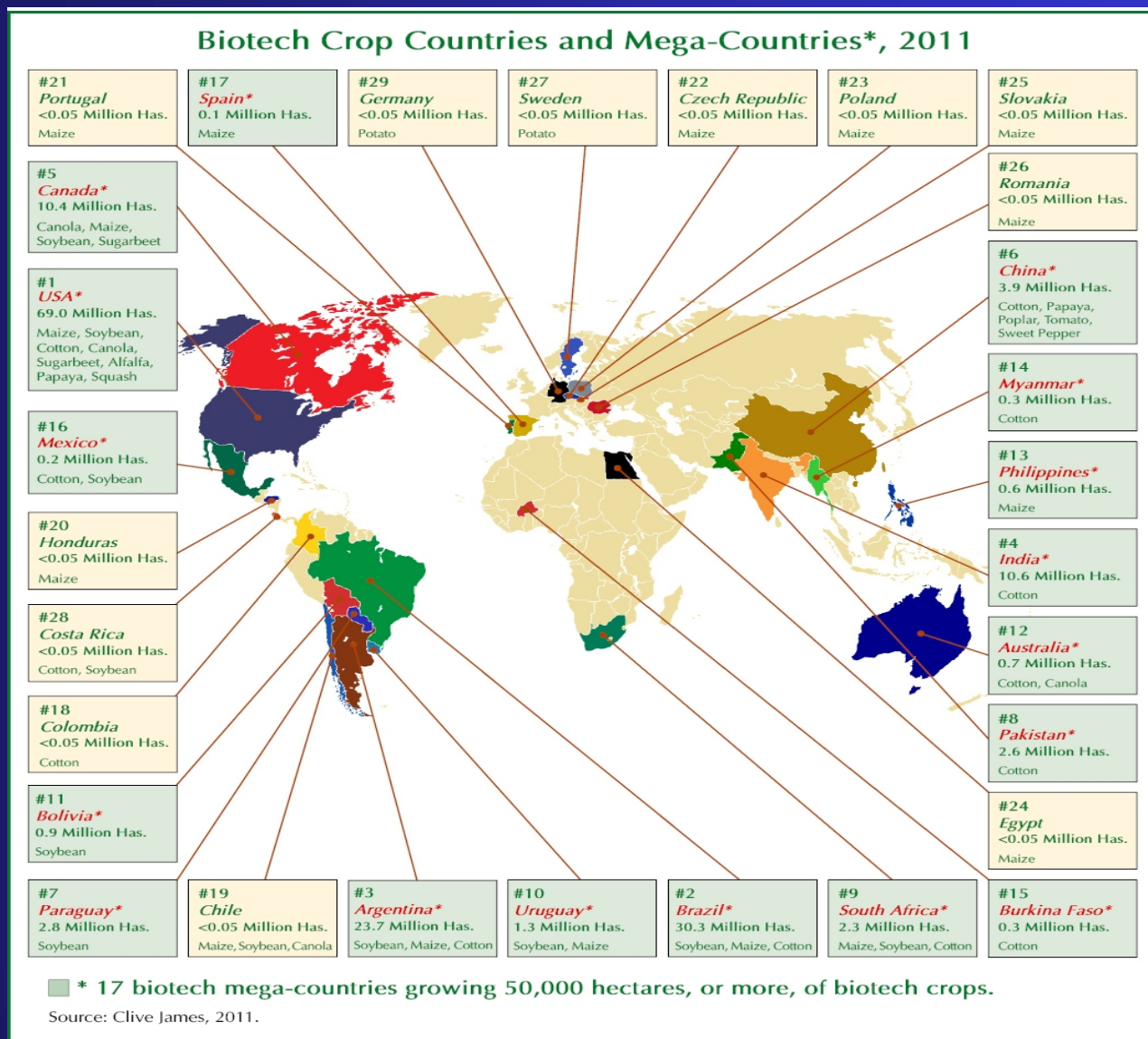
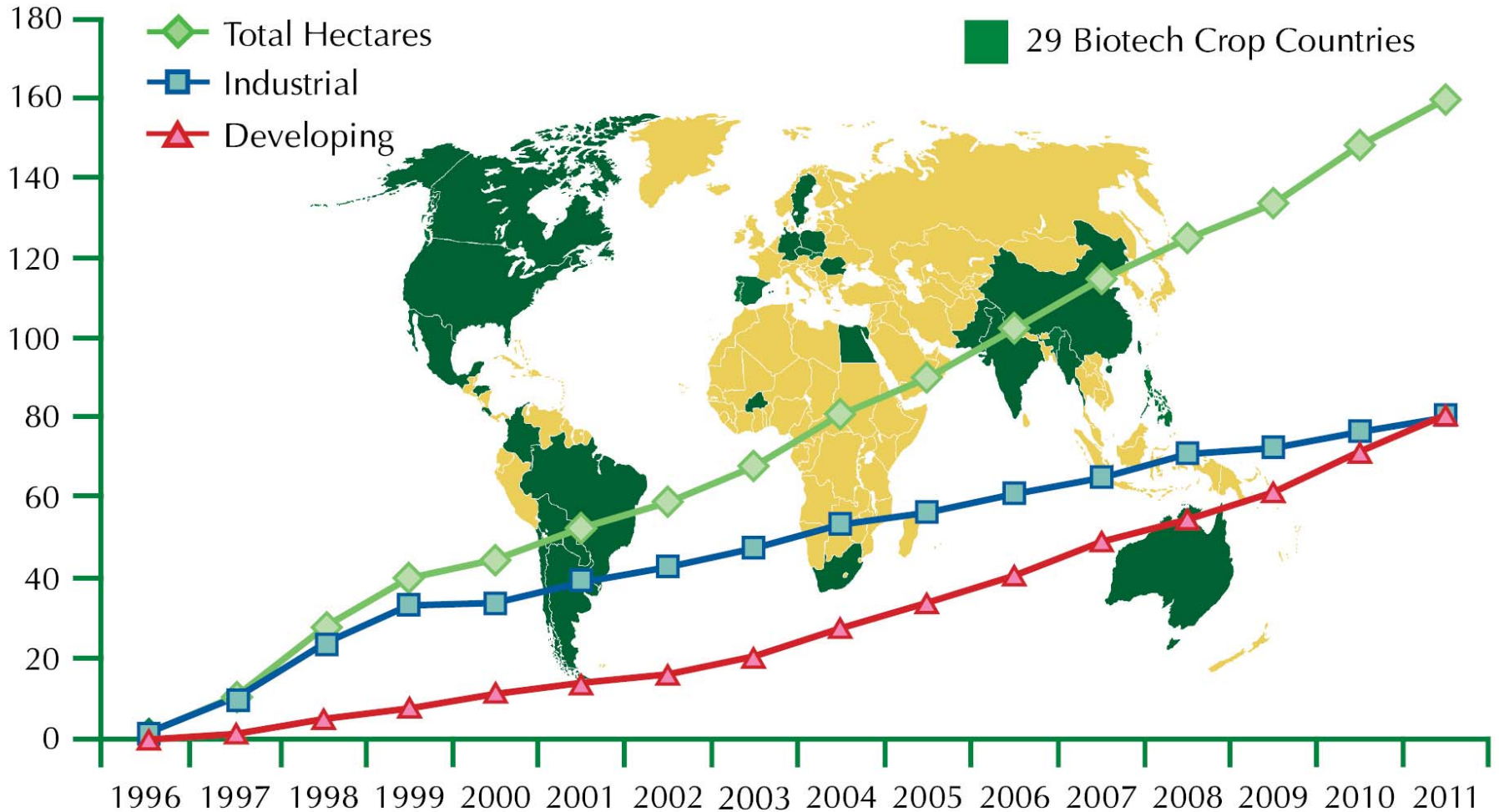


Figure 1. Global Map of Biotech Crop Countries and Mega-Countries in 2011



# GLOBAL AREA OF BIOTECH CROPS Million Hectares (1996-2011)



*A record 16.7 million farmers, in 29 countries, planted 160 million hectares (395 million acres) in 2011, a sustained increase of 8% or 12 million hectares (30 million acres) over 2010.*