



# **Global Status of Commercialized Biotech/GM Crops: 2016**

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



# ISAAA

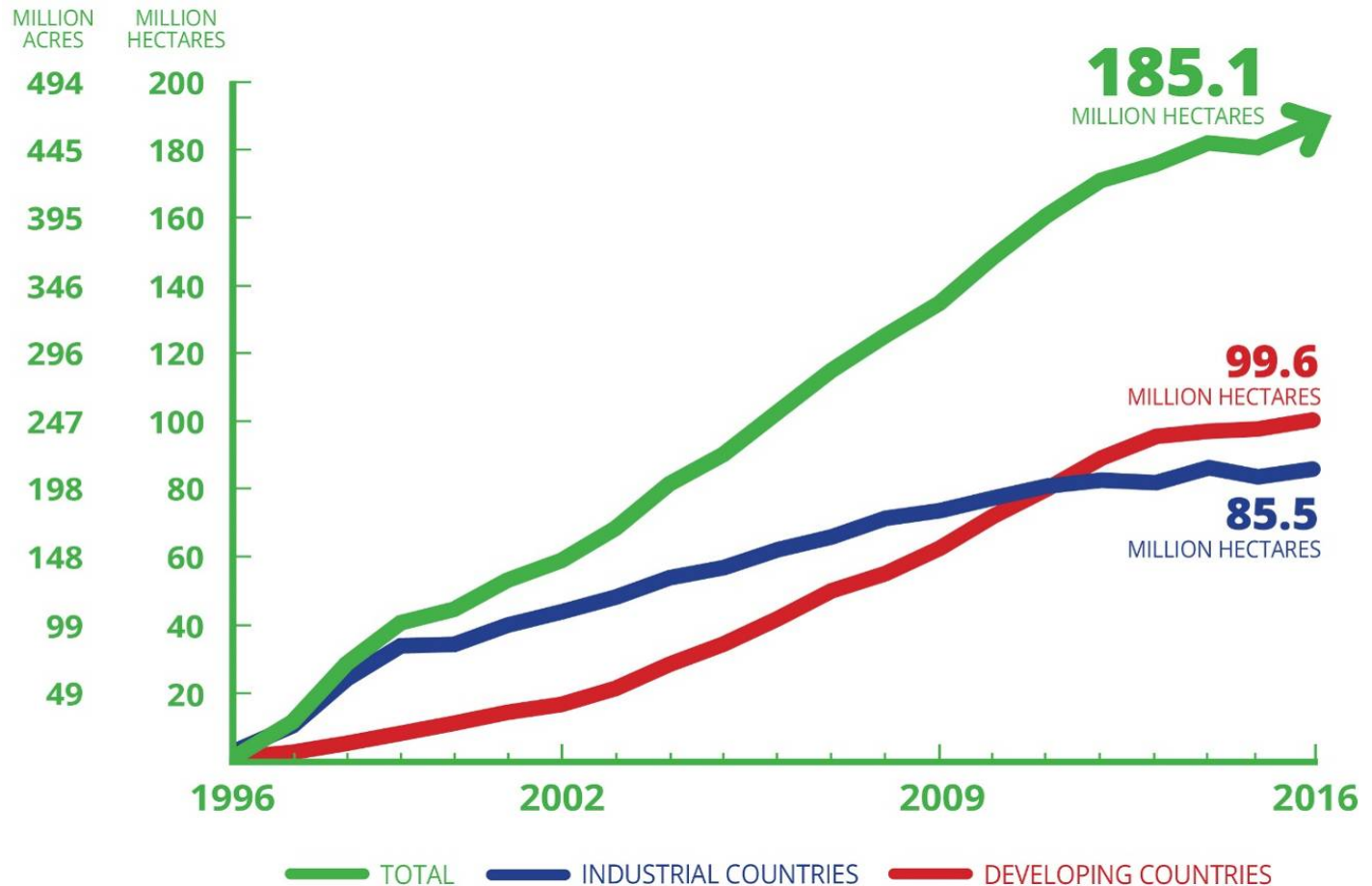
US registered, Not-for-Profit Charity, co-sponsored by public and private sector organizations

## 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, through crop biotechnology.
- For more information, visit: <http://www.isaaa.org>

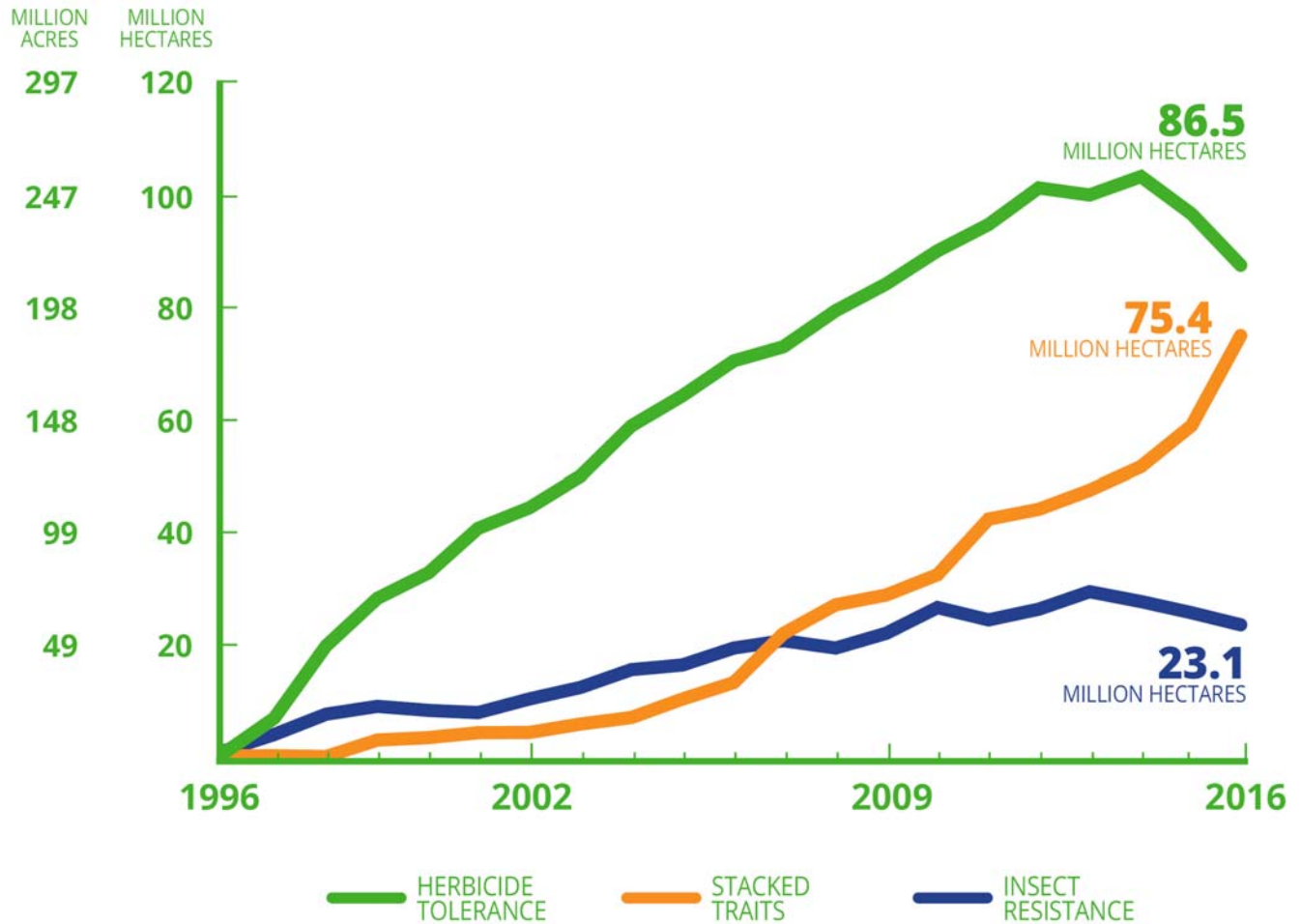


# Global Area of Biotech Crops, 1996 to 2016: Industrial and Developing Countries (Million Hectares, Million Acres)



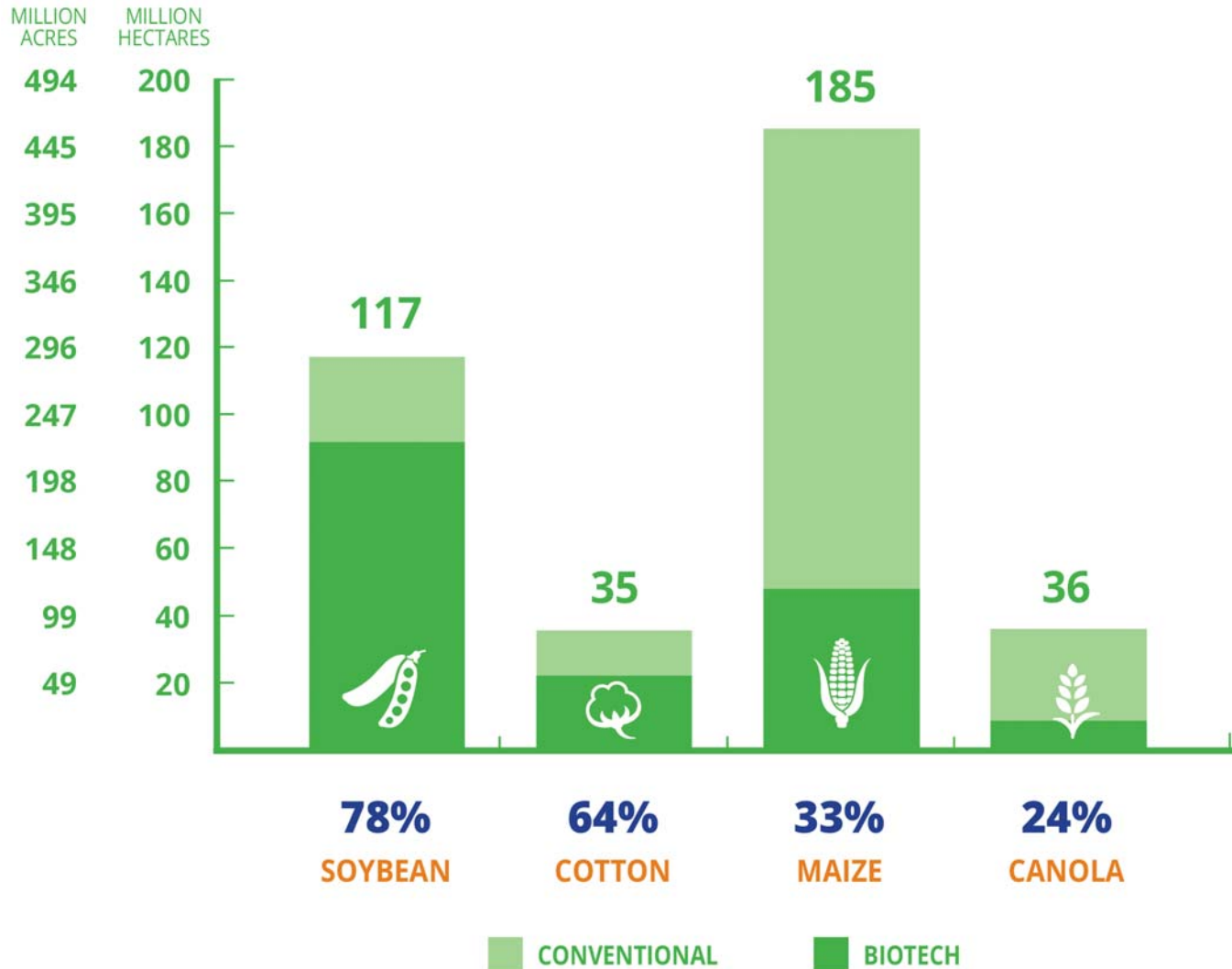
- Resumes high adoption at 185.1 million hectares
- ~110-fold increase from 1996
- 2.1 billion accumulated hectarage

# Global Area of Biotech Crops, 1996 to 2016: By Trait (Million Hectares, Million Acres)

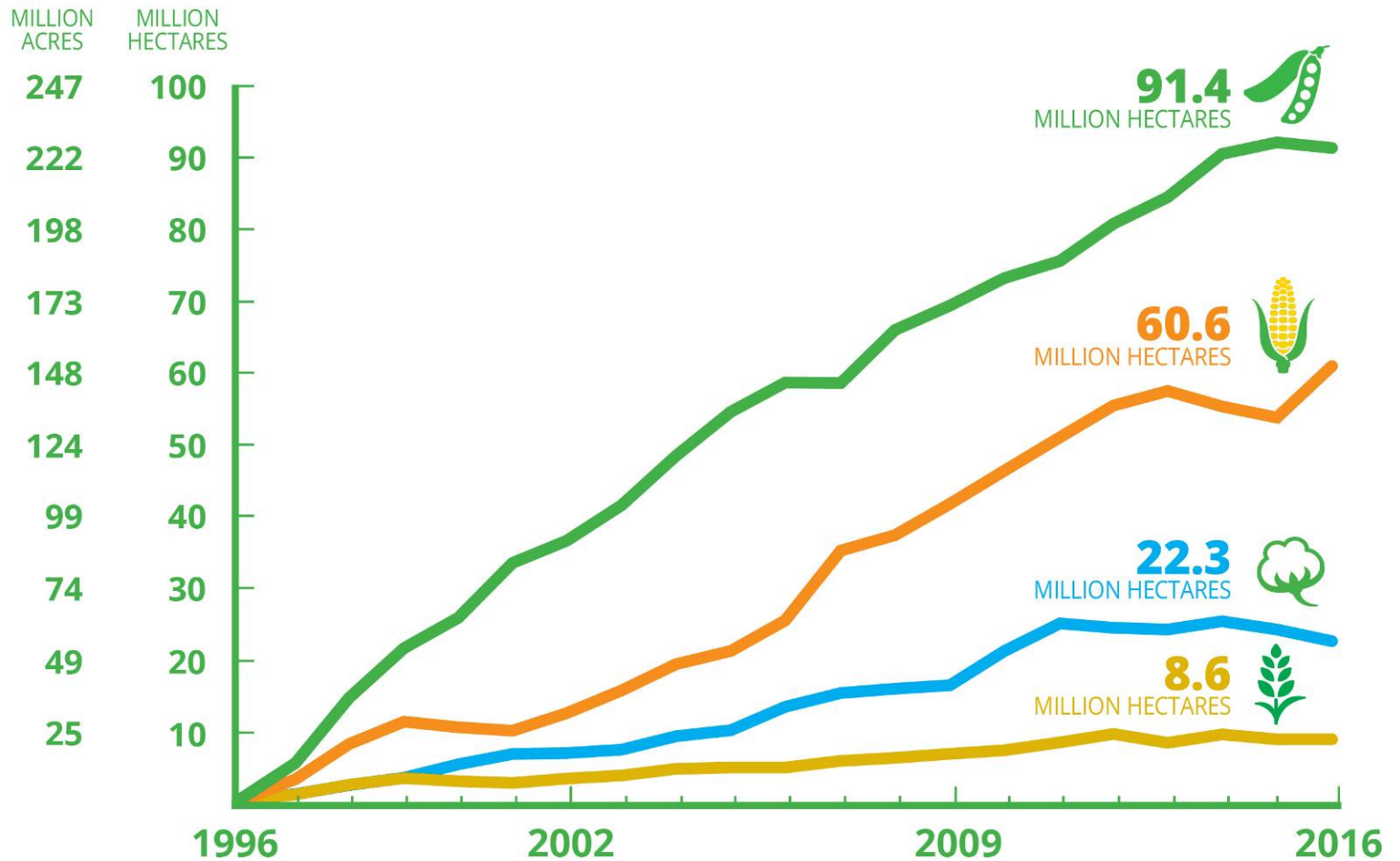


- Herbicide tolerance at 47% and
- Stacked traits occupied 41% of the global hectareage

## Global Adoption Rates (%) for Principal Biotech Crops (Million Hectares, Million Acres), 2016



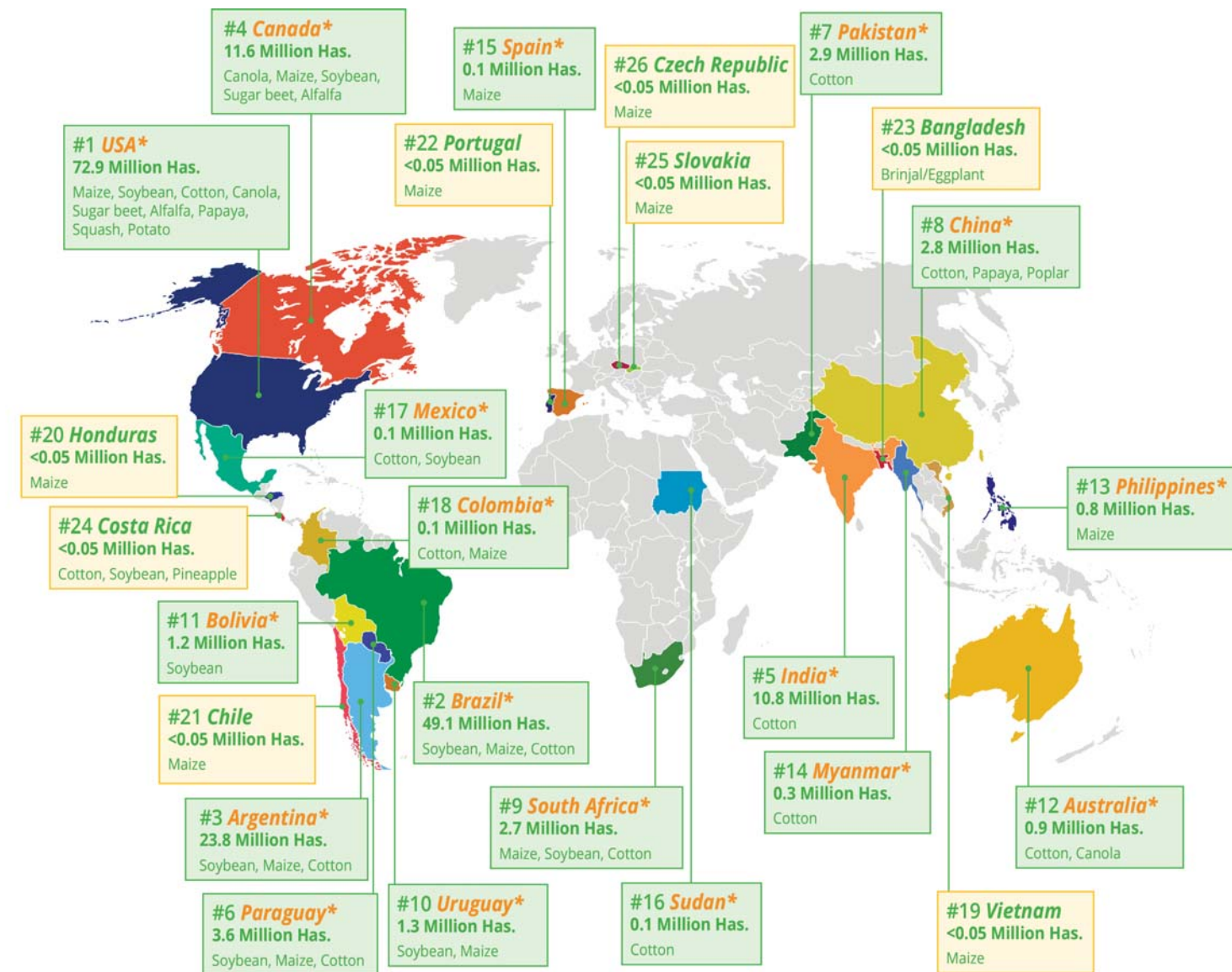
# Global Area of Biotech Crops, 1996 to 2016: By Crop (Million Hectares, Million Acres)





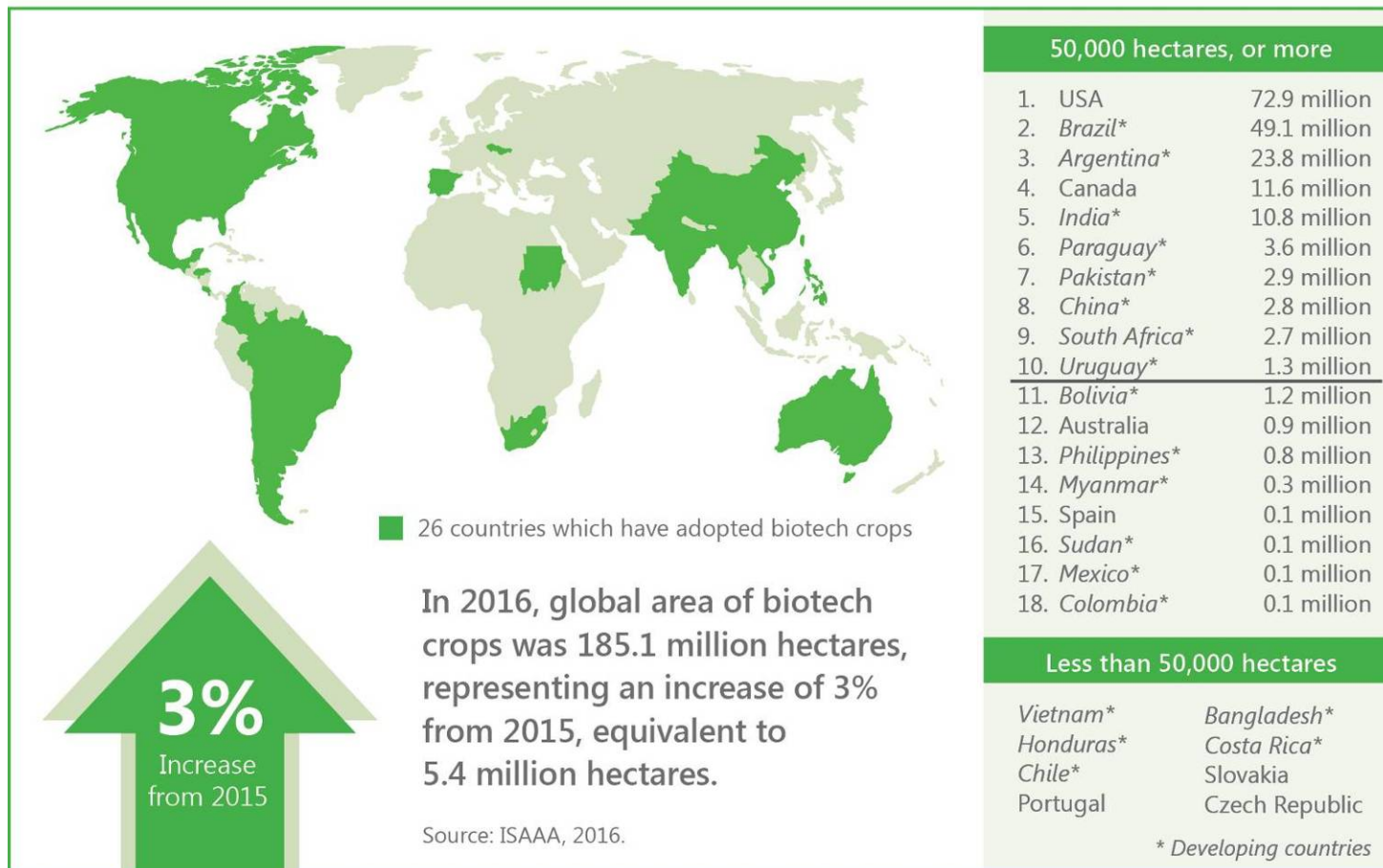


# Biotech Crop Countries and Mega-Countries\*, 2016



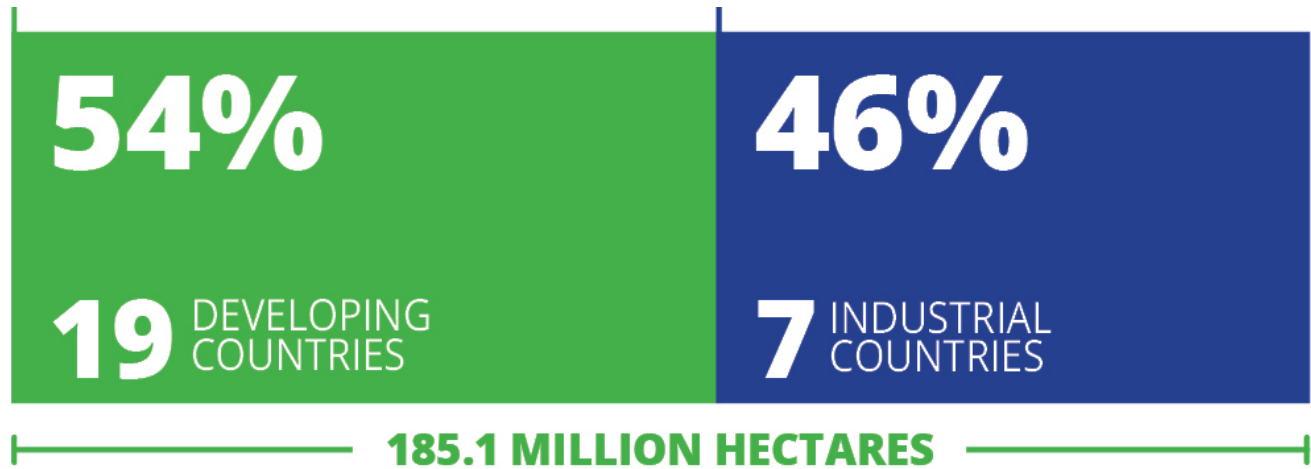
\*18 biotech mega-countries growing 50,000 hectares, or more, of biotech crops.

## Global Area of Biotech Crops, 2016: By Country (Million Hectares)



- **Top five countries: 3 Developing countries (Brazil, Argentina, & India) and 2 Industrial countries (USA & Canada) grew 91% of biotech crops**





## DISTRIBUTION OF BIOTECH CROPS IN DEVELOPING AND INDUSTRIAL COUNTRIES IN 2016

Source: ISAAA, 2016

- **Developing countries: 99.6 million hectares**
- **Industrial countries: 85.5 million hectares**