

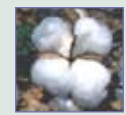
# Global Status of Commercialized Biotech/GM Crops: 2008

## Major Biotech Crops

### Soybean



- 70% (65.8 million has.) of total global soybean planted is biotech
- US\$4B increase in farmer income in 2007
- Countries growing biotech soybean: *Argentina, Bolivia, Brazil, Canada, Chile, Mexico, Paraguay, Uruguay, South Africa, and the USA.*



### Cotton

- 46% (15.5 million has.) of total global cotton planted is biotech
- US\$3.3B increase in farmer income in 2007
- Countries growing biotech cotton: *Argentina, Australia, Brazil, Burkina Faso, China, Colombia, India, Mexico, South Africa, and the USA.*

### Maize

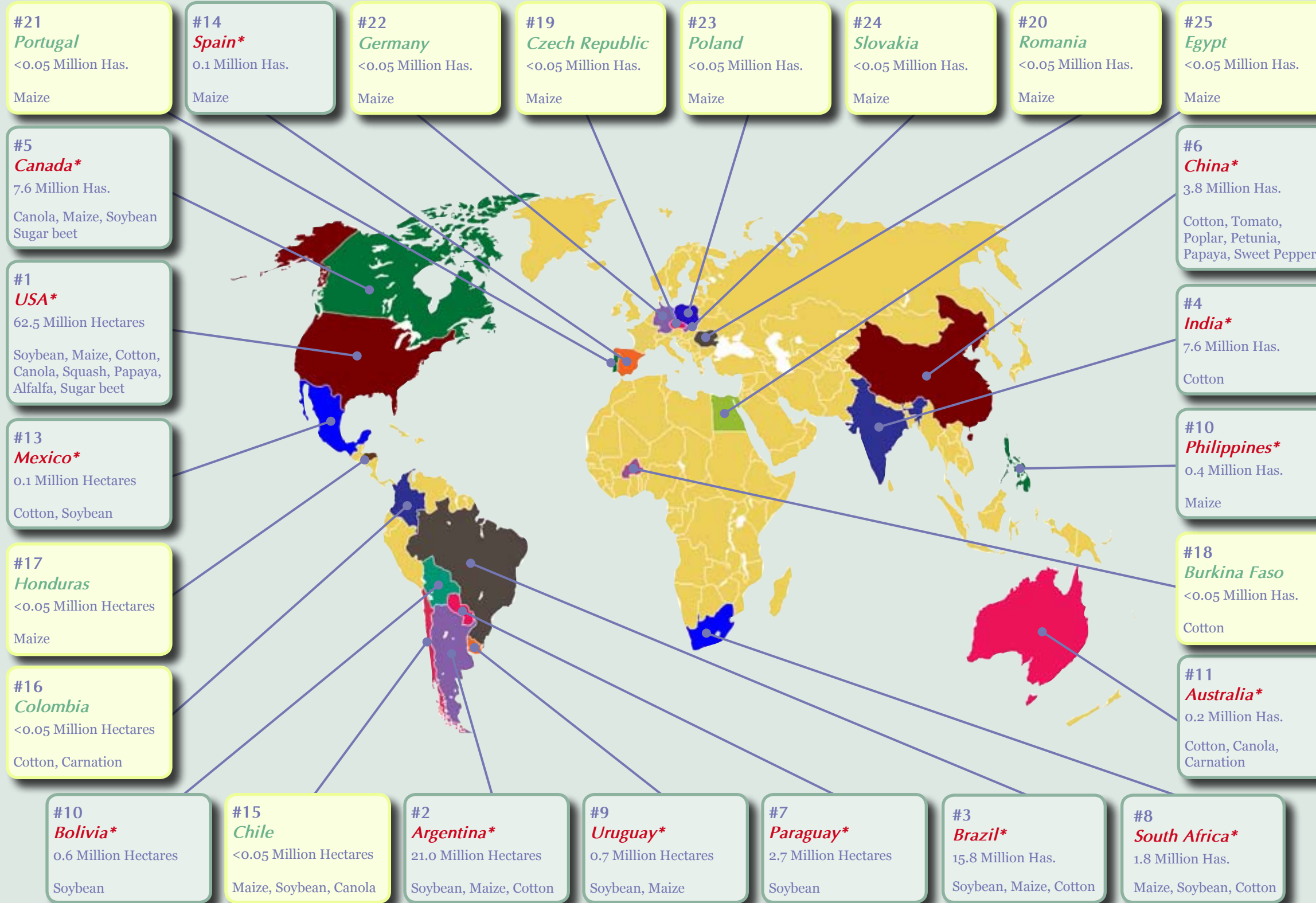


- 24% (37.3 million has.) of total global maize planted is biotech
- US\$2.4B increase in farmer income in 2007
- Countries growing biotech maize: *Argentina, Brazil, Canada, Chile, Czech Republic, Egypt, Germany, Honduras, Philippines, Poland, Portugal, Romania, Slovakia, South Africa, Spain, Uruguay, and the USA.*



### Canola

- 20% (5.9 million has.) of total global canola planted is biotech
- US\$0.4B increase in farmer income in 2007
- Countries growing biotech canola: *Canada, Chile, and the USA.*



## Global Area of Biotech Crops in 2008: by Country (Million Hectares)

| Country       | Area | Biotech crops   |
|---------------|------|---|
| USA*          | 62.5 | Soybean, maize, cotton, canola, squash, papaya, alfalfa, sugar beet |
| Argentina*    | 21.0 | Soybean, maize, cotton  |
| Brazil*       | 15.8 | Soybean, maize, cotton  |
| India*        | 7.6  | Cotton  |
| Canada*       | 7.6  | Canola, maize, soybean, sugar beet                                  |
| China*        | 3.8  | Cotton, tomato, poplar, petunia, papaya, sweet pepper               |
| Paraguay*     | 2.7  | Soybean   |
| South Africa* | 1.8  | Maize, soybean, cotton  |
| Uruguay*      | 0.7  | Soybean, maize  |
| Bolivia*      | 0.6  | Soybean   |
| Philippines*  | 0.4  | Maize   |
| Australia*    | 0.2  | Cotton, canola, carnation   |
| Mexico*       | 0.1  | Cotton, soybean   |
| Spain*        | 0.1  | Maize   |
| Chile         | <0.1 | Maize, soybean, canola  |
| Colombia      | <0.1 | Cotton, carnation   |
| Honduras      | <0.1 | Maize   |
| Burkina Faso  | <0.1 | Cotton  |
| Czech Rep.    | <0.1 | Maize   |
| Romania       | <0.1 | Maize   |
| Portugal      | <0.1 | Maize   |
| Germany       | <0.1 | Maize   |
| Poland        | <0.1 | Maize   |
| Slovakia      | <0.1 | Maize   |
| Egypt         | <0.1 | Maize   |

\* 14 biotech mega-countries growing 50,000 hectares, or more, of biotech crops.  
Developing countries in italics

## Biotech Crop Traits:

- Herbicide tolerance (HT)
- Insect resistance (IR)
- Virus resistance (VR)
- Delayed ripening (DR)
- Stacked traits (IR/HT, IR/IR, IR/IR/HT)

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## For more information about ISAAA, contact the Center nearest you:

ISAAA AmeriCenter  
417 Bradfield Hall  
Cornell University  
Ithaca NY 14853, USA  
Email: [americenter@isaaa.org](mailto:americenter@isaaa.org)

ISAAA AfriCenter  
c/o CIP  
PO 25171  
Nairobi, Kenya  
Email: [africenter@isaaa.org](mailto:africenter@isaaa.org)

ISAAA SEAsiaCenter  
c/o IRRI, DAPO Box 7777  
Metro Manila, Philippines  
Email: [isaaa-seasia@isaaa.org](mailto:isaaa-seasia@isaaa.org)

Or visit: <http://www.isaaa.org>

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