

## Global acreage genetically modified crops 1996 – 2011

(Source: ISAAA)

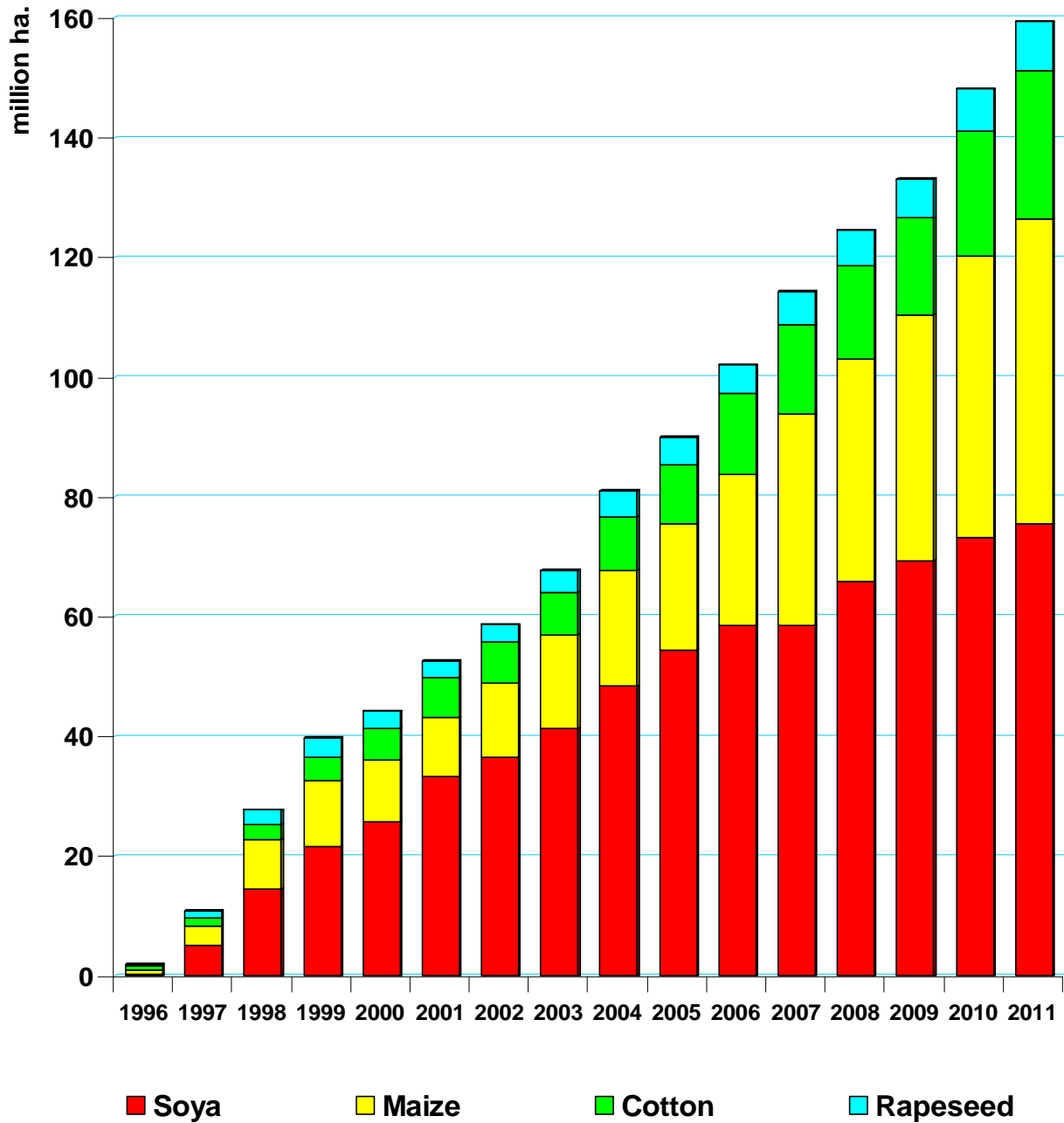
### 1a. Global acreage with genetically modified crops by crop, 1996-2011 (in mln. hectare)

Crop	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011*	Share	Growth 2010-2011
<b>Soya</b>	0.4	5.1	14.5	21.6	25.8	33.3	36.5	41.4	48.4	54.4	58.6	58.6	65.8	69.3	73.3	75.4	47.1%	2.9%
<b>Maize</b>	0.5	3.2	8.3	11.1	10.3	9.8	12.4	15.5	19.3	21.2	25.2	35.2	37.3	41.1	46.8	51.0	31.9%	9.0%
<b>Cotton</b>	0.8	1.4	2.5	3.7	5.3	6.8	6.8	7.2	9.0	9.8	13.4	15.0	15.5	16.2	21.0	24.7	15.4%	17.6%
<b>Rapeseed</b>	0.2	1.2	2.4	3.4	2.8	2.7	3.0	3.6	4.3	4.6	4.8	5.5	5.9	6.5	7.0	8.2	5.1%	17.1%
<b>Total</b>	<b>2.0</b>	<b>11.0</b>	<b>27.8</b>	<b>33.9</b>	<b>44.2</b>	<b>52.6</b>	<b>59.2</b>	<b>67.7</b>	<b>81.0</b>	<b>90.4</b>	<b>102.1</b>	<b>114.3</b>	<b>125.0</b>	<b>134.0</b>	<b>148.1</b>	<b>160.0</b>		<b>8.0%</b>

\* ISAAA (2012) Brief 43-201. Global Status of Commercialized Biotech/GM Crops: Executive Summary, February 8, 2012, <http://www.isaaa.org/resources/publications/briefs/43/executivesummary/default.asp>

**Global acreage genetically modified crops 1996 – 2011**  
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**1b. Global acreage with genetically modified crops by crop, 1996-2011**



## Global acreage genetically modified crops 1996 – 2011

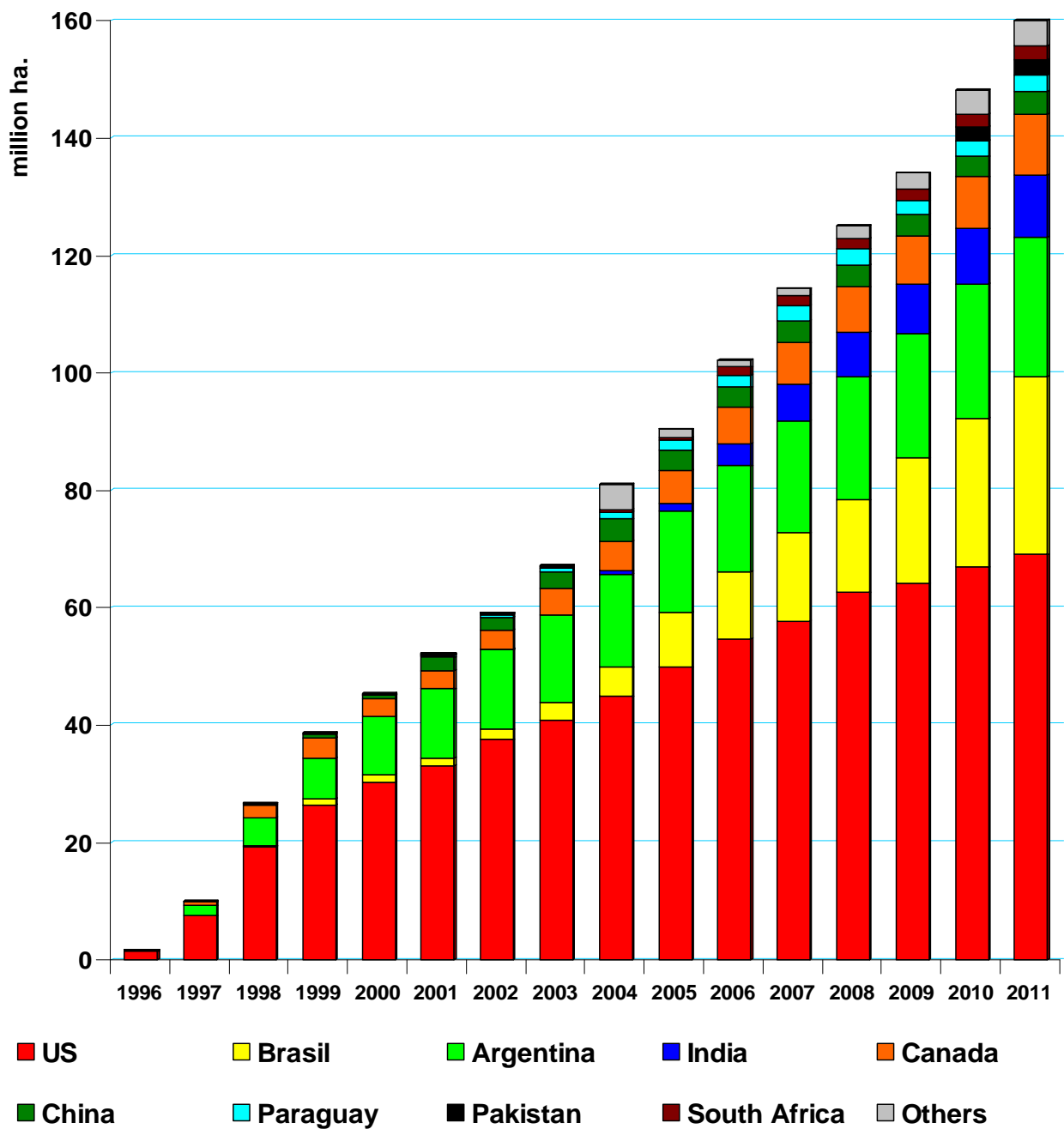
(Source: ISAAA)

### 2a. Global acreage with genetically modified crops by country, 1996-2011 (in mln. hectare)

Country	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011*	Share	Growth 2010-2011
US	1.45	7.46	19.3	26.3	30.3	33	37.5	40.8	44.8	49.8	54.6	57.7	62.5	64.0	66.8	69.0	43.1%	3.3%
Brasil		0.01	0.05	1.2	1.2	1.3	1.7	3	5	9.4	11.5	15	15.8	21.4	25.4	30.3	18.9%	19.3%
Argentina	0.04	1.76	4.8	6.8	10	11.8	13.6	14.9	15.9	17.1	18	19.1	21	21.3	22.9	23.7	14.8%	3.5%
India							0.04	0.1	0.5	1.3	3.8	6.2	7.6	8.4	9.4	10.6	6.6%	12.8%
Canada	0.14	0.65	2.2	3.5	3	3.2	3.3	4.4	5.1	5.8	6.1	7	7.6	8.2	8.8	10.4	6.5%	18.2%
China		0.03	0.26	0.65	0.5	2.2	2.1	2.8	3.7	3.3	3.5	3.8	3.8	3.7	3.5	3.9	2.4%	11.4%
Paraguay				0.05	0.1	0.3	0.5	0.7	1.2	1.8	2	2.6	2.7	2.2	2.6	2.8	1.8%	7.7%
Pakistan															2.4	2.6	1.6%	8.3%
South Africa					0.09	0.15	0.2	0.3	0.5	0.5	1.4	1.8	1.8	2.1	2.2	2.3	1.4%	4.5%
Uruguay											0.4	0.5	0.7	0.8	1.1	1.3	0.8%	18.2%
Bolivia													0.6	0.8	0.9	0.9	0.6%	0%
Australia	0.04	0.06	0.1	0.13	0.19	0.2	0.16	0.16	0.25	0.3	0.2	0.1	0.2	0.2	0.7	0.7	0.4%	0%
Philippines									0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.4%	20.0%
Mexico									0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1%	??%
Others									3.8	0.9	0.3	0.1	0.2	0.4	0.8	0.7	0.4%	-12.5%
<b>Total</b>	<b>1.67</b>	<b>10.1</b>	<b>27.2</b>	<b>38.7</b>	<b>45.38</b>	<b>52.6</b>	<b>59.2</b>	<b>67.7</b>	<b>80.95</b>	<b>90.4</b>	<b>102.1</b>	<b>114.3</b>	<b>125.0</b>	<b>134.0</b>	<b>148.1</b>	<b>148.1</b>		<b>8.0%</b>

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**2b. Global acreage with genetically modified crops by country, 1996-2011**

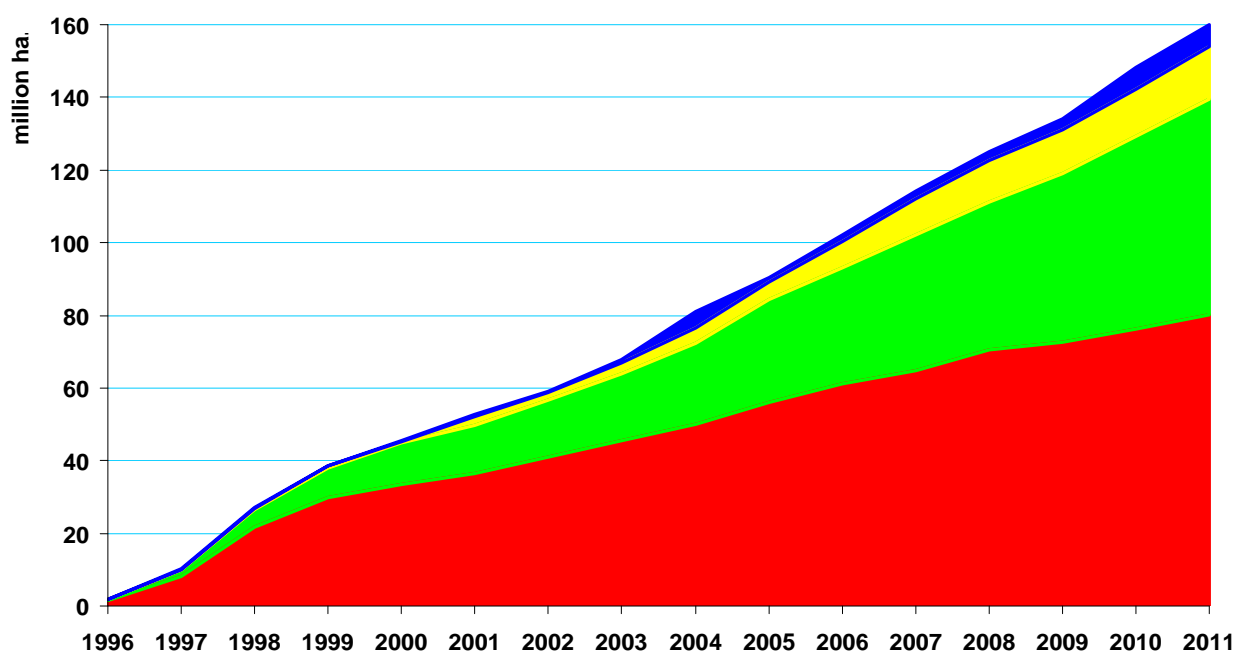


## Global acreage genetically modified crops 1996 – 2011

(Source: ISAAA)

### 3. Global acreage with genetically modified crops in Industrialized countries, Latin America and China and India, 1996-2011 (in hectare)

	Industrialized countries		Latin America		China and India	
	Ha.	Growth	Ha.	Growth	Ha.	Growth
1996	1,630,000		40,000		0	
1997	8,170,000	401%	1,770,000	4325%	30,000	
1998	21,600,000	164%	4,850,000	174%	260,000	767%
1999	29,930,000	38.6%	8,050,000	66.0%	650,000	150%
2000	33,490,000	11.9%	11,300,000	40.4%	500,000	-23.1%
2001	36,400,000	8.7%	13,400,000	18.7%	2,200,000	340%
2002	40,960,000	12.5%	15,800,000	17.9%	2,140,000	-2.7%
2003	45,360,000	10.7%	18,600,000	17.7%	2,900,000	35.5%
2004	50,150,000	10.6%	22,200,000	19.4%	4,200,000	44.8%
2005	56,067,000	11.8%	28,400,000	27.9%	4,600,000	9.5%
2006	61,101,000	9.0%	32,000,000	12.7%	7,300,000	58.7%
2007	64,911,000	6.2%	37,300,000	16.6%	10,000,000	37.0%
2008	70,407,000	8.5%	40,900,000	9.7%	11,400,000	14.0%
2009	72,495,000	3.0%	46,600,000	13.9%	12,100,000	6.1%
2010	76,382,000	5.4%	53,000,000	13.7%	12,900,000	6.6%
2011*	80,182,000	5.0%	53,000,000	11.7%	12,900,000	12.4%



■ Industrialized countries ■ Latin America ■ China and India ■ Other countries

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**4. Cultivated GM Crops by country (2012)**

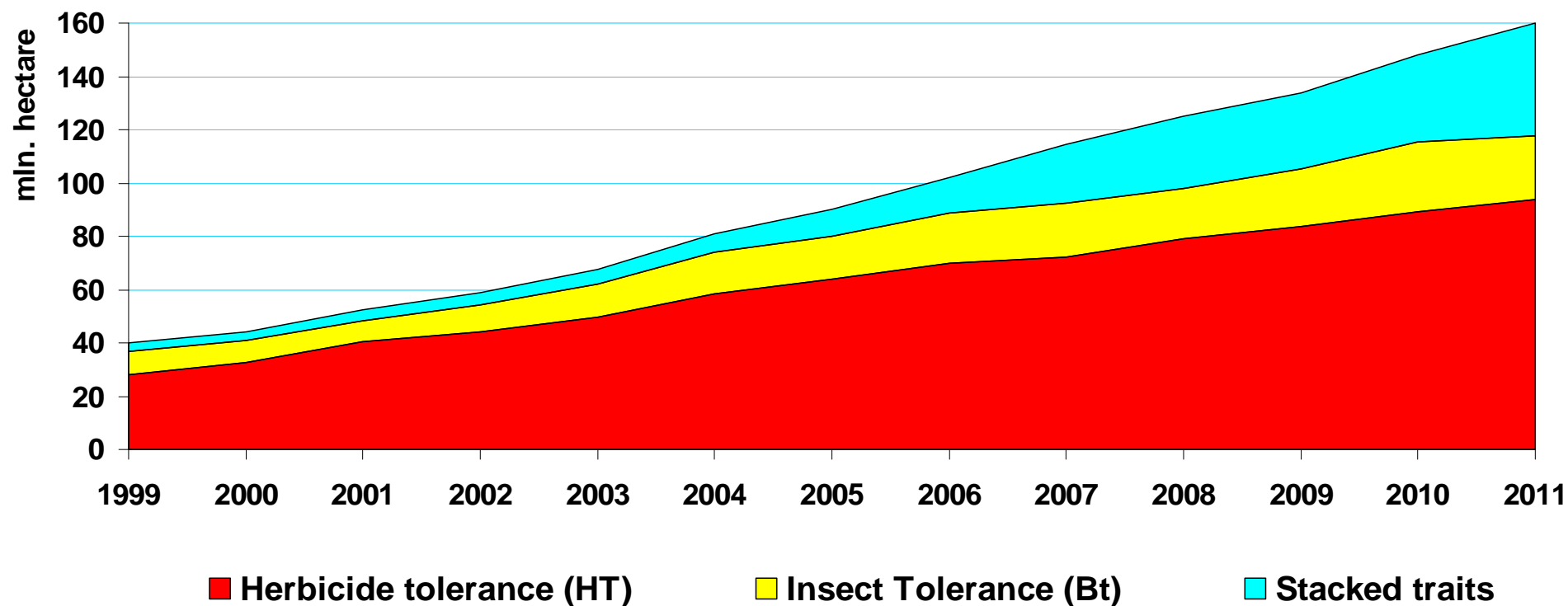
Country	Soybean	Maize	Cotton	Rapeseed	Sugr beet	Alfalfa	Papaya	Squash	Tomato	Sweet pepper	Poplar	Potato
US	X	X	X	X	X	X	X	X				
Brasil	X	X	X									
Argentina	X	X	X									
India			X									
Canada	X	X		X	X							
China			X				X		X	X	X	
Paraguay	X											
Pakistan			X									
South Africa	X	X	X									
Uruguay	X	X										
Bolivia	X											
Australia			X	X								
Philippines		X										
Mexico	X		X									
Myanmar, Burkina Faso			X									
Chile	X	X		X								
Germany, Sweden												X

## Global acreage genetically modified crops 1996 – 2011

(Source: ISAAA)

5a. Global acreage with genetically modified crops by trait, 1996-2011 (in million hectare)

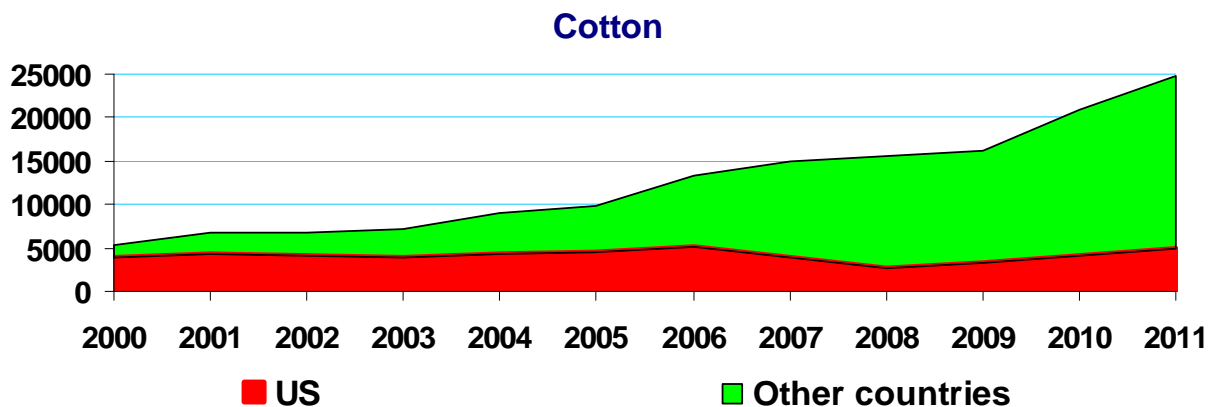
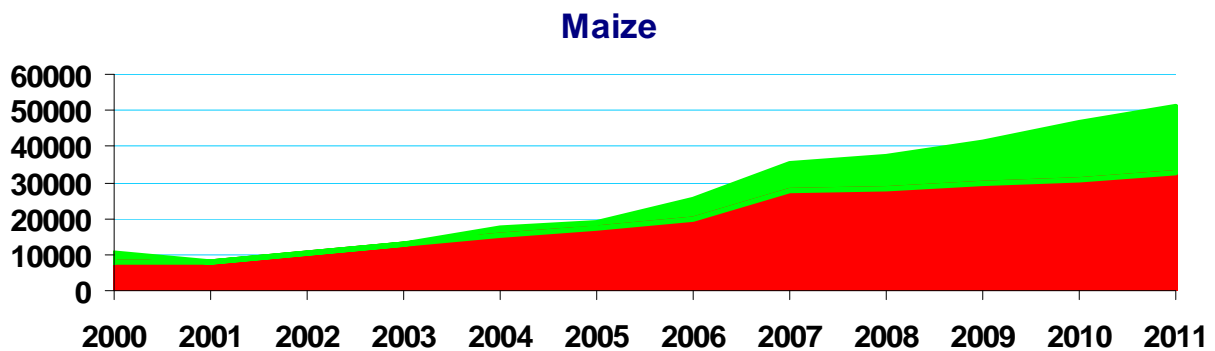
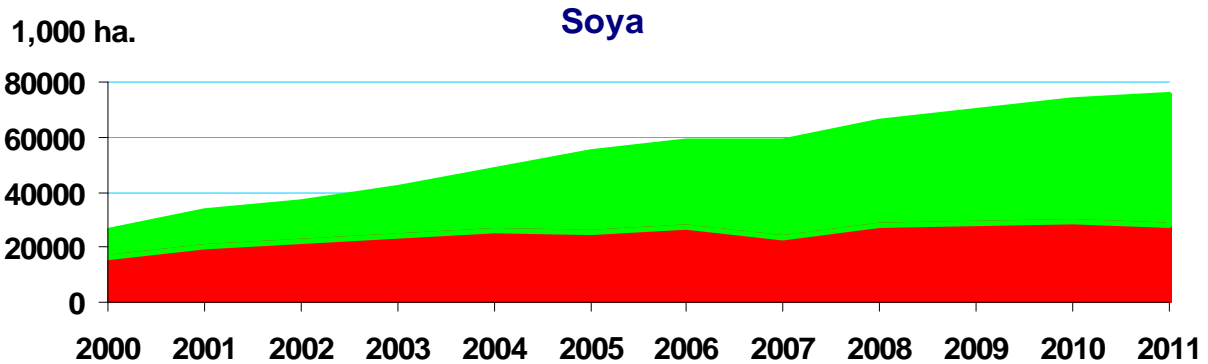
Trait	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011*	Share	Growth 2010-2011
Herbicide tolerance	28.1	32.7	40.6	44.2	49.7	58.6	63.7	69.9	72.2	79.0	83.6	89.3	93.9	58.7%	5.2%
Insect Tolerance (Bt)	8.9	8.3	7.8	10.1	12.2	15.6	16.2	19.0	20.3	19.1	21.7	26.3	23.9	14.9%	-26.0%
Stacked traits	2.9	3.2	4.2	4.4	5.8	6.8	10.1	13.1	21.8	26.9	28.7	32.3	42.2	26.4%	60.5%
<b>Total</b>	<b>33.9</b>	<b>44.2</b>	<b>52.6</b>	<b>58.7</b>	<b>67.7</b>	<b>81.0</b>	<b>90.4</b>	<b>102.0</b>	<b>114.3</b>	<b>125.0</b>	<b>134.0</b>	<b>148.1</b>	<b>148.1</b>	<b>160.0</b>	<b>8.0%</b>



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**6. Share of the United States in the acreage with genetically modified crops between 2000 and 2011, by crop (in 1,000 ha.)<sup>1</sup>**

Crop	Country	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Soya	US	16,280	20,380	22,382	24,056	25,882	25,419	27,009	23,451	27,771	28,540	29,351	28,248
	Other countries	9,520	12,920	14,118	17,344	22,518	28,981	31,591	35,149	38,029	40,760	43,949	47,152
Maize	US	7,986	7,969	10,555	12,742	15,400	17,218	19,607	27,673	28,294	29,927	30,582	32,864
	Other countries	2,314	0	0	100	2,082	1,593	5,593	7,527	9,006	11,153	16,218	18,136
Cotton	US	3,834	4,360	4,011	3,982	4,203	4,558	5,135	3,815	2,670	3,223	4,106	4,999
	Other countries	1,466	2,440	2,789	3,218	4,797	5,242	8,265	11,185	12,830	12,947	16,894	19,701



<sup>1</sup> This table has been compiled from ISAAA data and data from the USDA Economic Research Service (ERS) and the National Agricultural Statistics Service (NASS) 1998 – 2011



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### 7. Cultivation of genetically modified crops in European countries between 2005 and 2010 (in hectare)

Country	2005	2006	2007	2008	2009	2010	2011
Spain	53,225	53,667	75,148	79,269	76,057	67,726	
France	492	5,000	21,147	0*	0*	0*	
Czech Republic	150	1,290	5,000	8,380	6,480	4,830	
Portugal	750	1,250	4,500	4,851	5,202	4,869	
Germany	400	950	2,285	3,173	30***	28***	
Slovakia	0	30	900	1,900	875	875	
Romania	110,000	137,000	350**	7,146	3,244	823	
Poland	0	100	320	3,000	3,000	3,000	
Sweden						103	
<b>Total</b>	<b>167,022</b>	<b>201,293</b>	<b>111,657</b>	<b>109,727</b>	<b>94,888</b>	<b>82,254</b>	<b>114,490<sup>1)</sup></b>

Sources: *Europabio Press Release 29 September 2008.*

[http://www.europabio.org/articles/GBE/EuropaBio%20Press%20Release%20cultivation%20figures%202008\\_290908.pdf](http://www.europabio.org/articles/GBE/EuropaBio%20Press%20Release%20cultivation%20figures%202008_290908.pdf)

*Friends of the Earth International. Who benefits from gm crops? An industry built on myths, February 2011, <http://www.foei.org/en/resources/publications/pdfs/2011/who-benefits-from-gm-crops-2011>*

<sup>1)</sup>Data for 2011 provided by ISAAA. According to ISAAA European countries cultivated 91.193 ha. GM crops in 2010, almost 9,000 ha. More than the data provided by Friend of the Earth International suggest.

*The only crop cultivated in the EU in 2010 is MON810 Bt-maize*

\* France has implemented a moratorium on cultivation of MON810 Bt-maize on December 6, 2007

\*\* RoundupReady soya was cultivated in Romania until 2007. Import of this soya is officially authorized by the EU but cultivation is not. When Romania became a member of the EU in 2007 RoundupReady soya could therefore no longer be cultivated. What remained was cultivation of MON810 Bt-maize.

\*\*\* Germany has implemented a moratorium on cultivation of MON810 Bt-maize in April 2009.

