

Ag – Biotech Factsheet

Sources: FAO, ZMP Statistisches Jahrbuch 2005

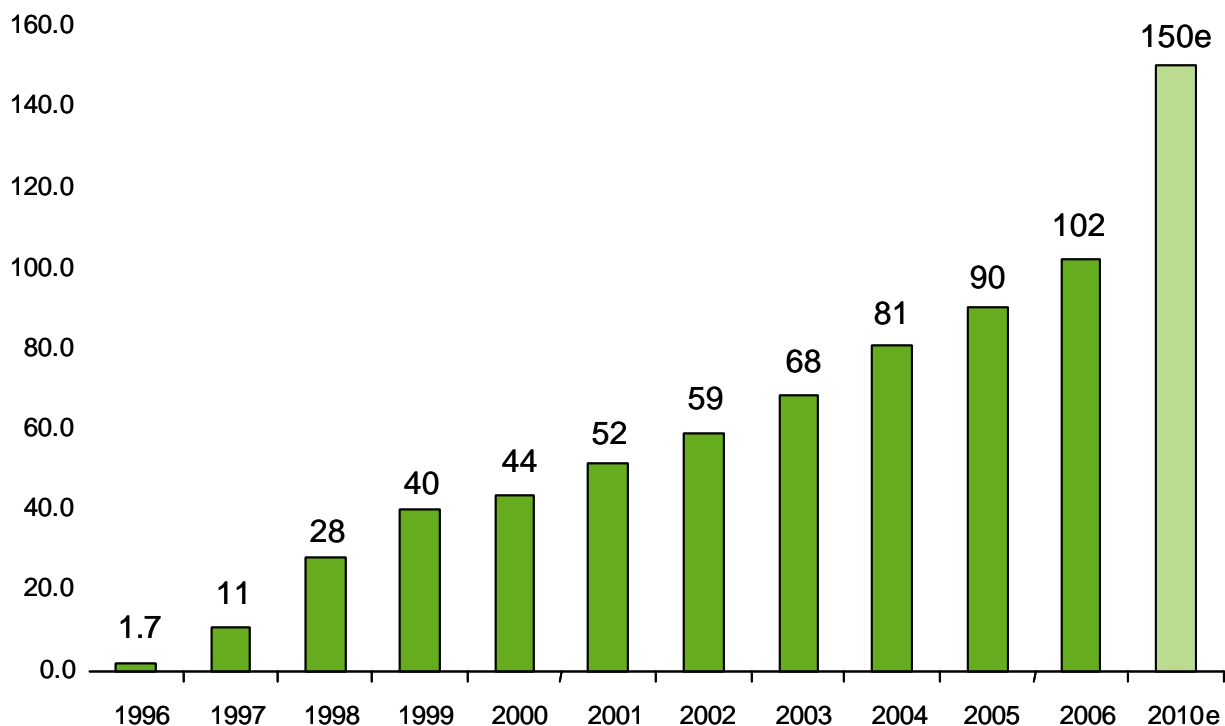
Agro statistics

Arable land globally:	1.4 billion hectares (3.7 billion acres*)
Arable land Germany:	12 million hectares
Arable land EU ²⁷ :	120 million hectares
Arable land USA:	174 million hectares

Global area of biotech crops in 2006:	102 million hectares
Global big five countries growing biotech crops:	
USA	54.5 million ha (53%)
Argentina	18.0 million ha (18%)
Brazil	11.5 million ha (11%)
Canada	6.1 million ha (6%)
India	3.8 million ha (4%)
China	3.5 million ha (3%)

In 2006, 10.3 million farmers from 22 countries planted biotech crops.

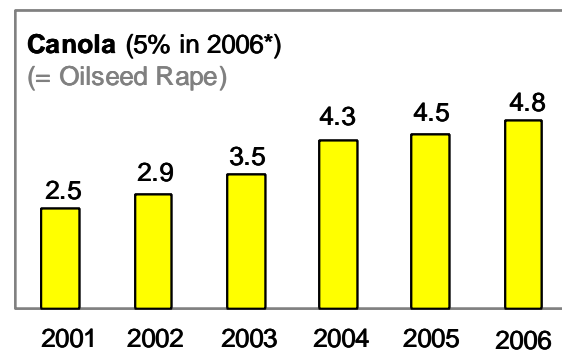
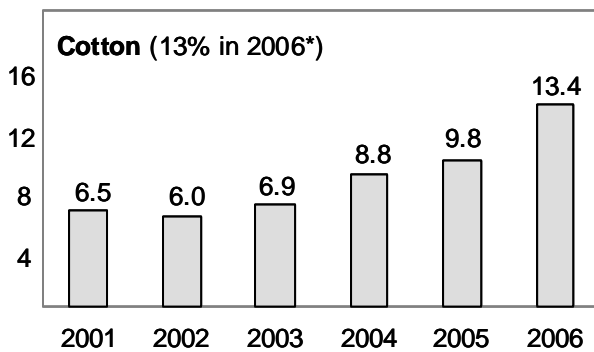
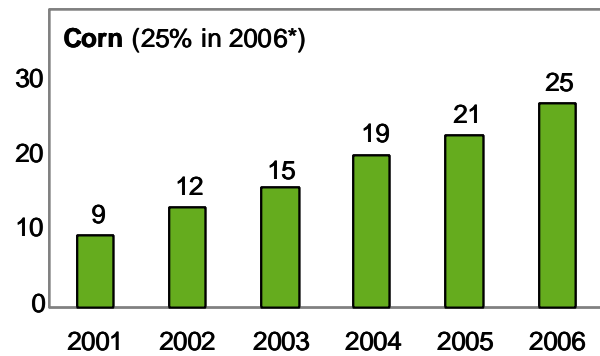
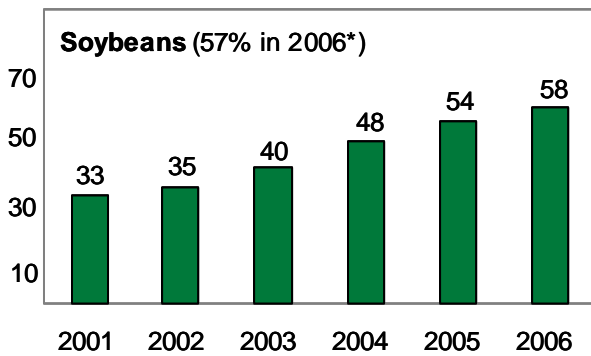
Global area of biotech crops (in million hectares; 1 ha= 2,47 acres)



Source: Clive James, ISAAA 2006

Biotech acreage by cultivars (in million hectares)

Source: Clive James, ISAAA 2006



* in % of overall biotech crop acreage 2006

Average yield data

Crop	Average yield <small>(Sources: Canola Council of Canada, USDA Outlook Forum 07-03-02)</small>	Average prices 2007e <small>(Source: USDA Q1/2007)</small>
Soybeans	42 bushels per acre	\$US 8.09 per bushel
Corn	153 bushels per acre	\$US 4.06 per bushel
Cotton	1.7 bale per hectare	\$US 0.59 per pound
Canola	1.7 tons per hectare	\$US 0.152 per pound

Conversions

1 bushel corn = 25 kg
1 bushel soybeans = 27kg
1 ha = 2,47 acres
1 acre = 0.4 ha
1 pound = 0.45 kg
1 bale (US) = 480 pounds

Key growth areas for biotech crops

The Americas: US continues to drive growth in North America and globally, accounting for the greatest absolute acreage increase in 2006 with the addition of 4.8 million hectares. Focus on soybean, corn, cotton, canola. Small crops: squash, papaya, alfalfa. Brazil leads growth in South America with an increase of 22 percent to total 11.5 million hectares of soybeans and cotton, the latter commercialized for the first time in 2006. Focus on soybean, cotton, corn.

Asia: India is emerging as a key leader in Asia. India became the fifth largest producer of biotech crops in the world, surpassing China for the first time. Focus on cotton.

Europe: Growth continues in the countries of the EU. Slovakia became the sixth EU country out of 25 to plant biotech crops. The other five EU countries reported a five-fold increase in plantings from 1,500 hectares in 2005 to about 8,500 hectares in 2006. Spain continues to lead the continent, planting 60,000 hectares in 2006. Focus on corn.

Source: Clive James, ISAAA 2006