

Current development and strategies against GMO-contamination in organic bee-keeping

The European Court of Justice sentence on GMO pollen in honey from Sept.5, 2011



- “Honey and food supplements containing pollen derived from a GMO are foodstuffs produced from GMOs which cannot be marketed without prior authorization.”
- “Authorization for foodstuffs containing ingredients produced from GMOs applies irrespective of whether the pollen is introduced intentionally or adventitiously into the honey.”
- Decision about protective measures to prevent contamination (regulation of distances, cutting of pollen bearing parts of plants) is still pending, as well as final decisions about the status of pollen as natural part of honey or as an ingredient

Consequences for administrative bodies

- Legislative
- Authorities / executive
- Jurists
- Control bodies / laboratories
- Certifying agencies
- Professional / organic associations



Consequences for the links of the chain of custody

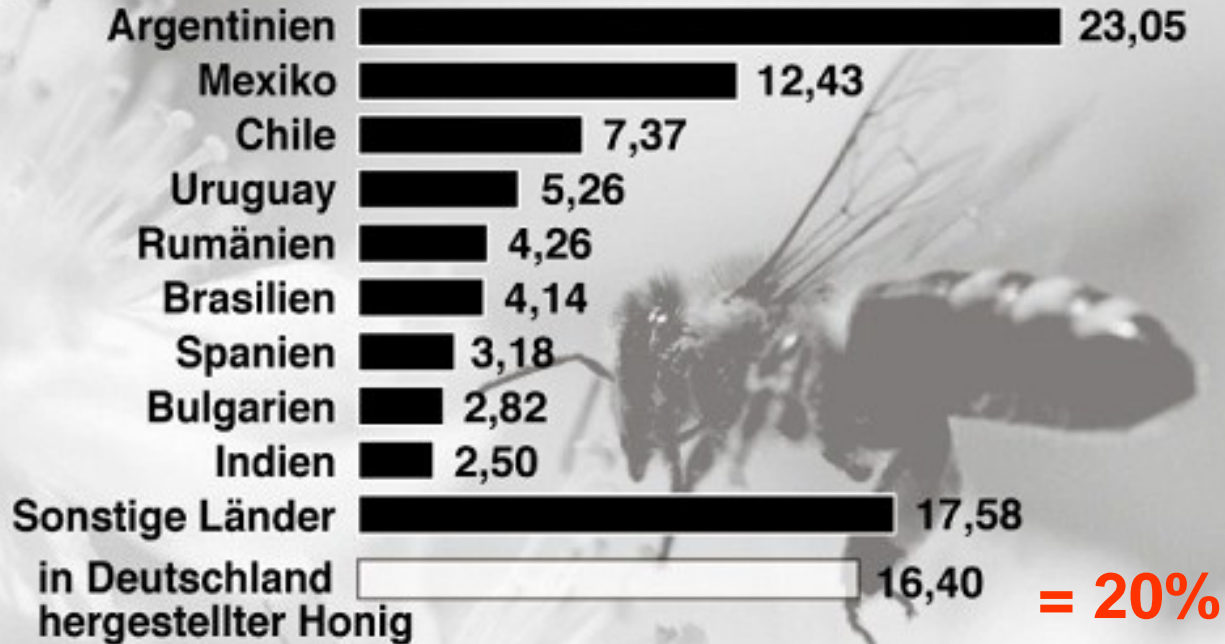
- Bees
- Bee products
- Beekeepers
- Processors
- Traders
- Consumers



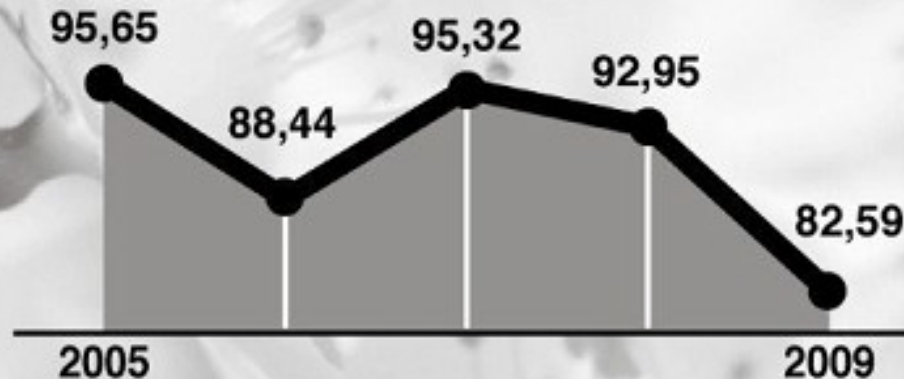
Honig

Importe nach Deutschland 2011 in 1000 mts

Import von Honig nach Herkunftsländern in Tausend Tonnen 2009



Gesamt-Import von Honig nach Deutschland in Tausend Tonnen



HONEY EXPORTING COUNTRIES (into EU)

Canada	Mexico	Vietnam
Argentina	Uruguay	Ukraine
China	Brazil	New Zealand
India	Chile	Turkey
		Cuba
* GMO cultivation		Guatemala

		soya	corn
Ratio of GMO crops in	USA:	95%	75%
	Argentina:	95%	
	Brazil:	50%	

Overall 90 types of cash crops are cultivated with GMO

total
(mio. ha)

GMO

GMO ratio

Soybean

90

69

77 %

Corn

158

42

26 %

Cotton

33

16

49 %

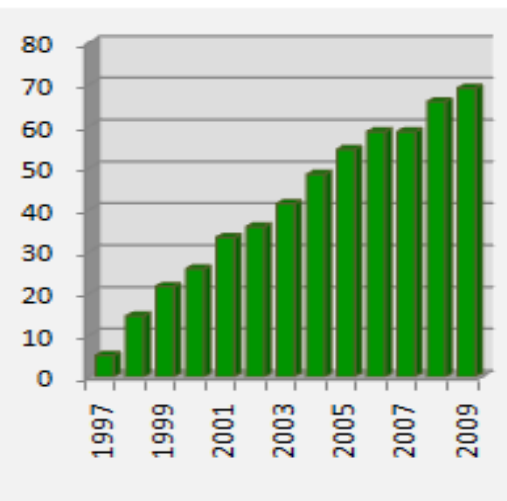
Rapeseed

31

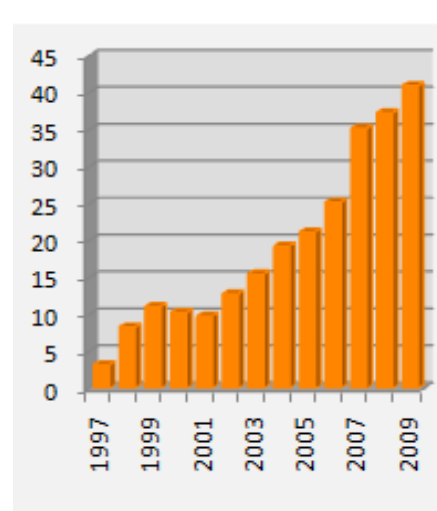
6,4

21 %

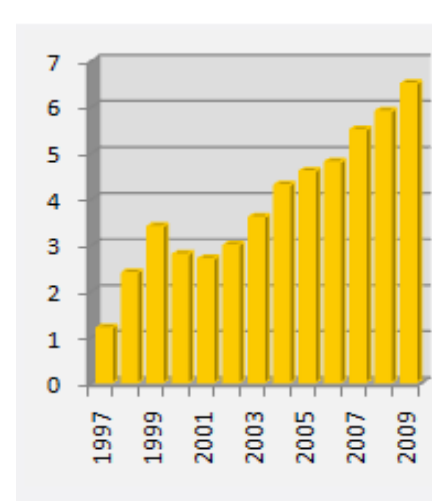
**GMO (90 species in total): sugar beet, zucchini, papaya, paprica, peas,
poplar, alfalfa, cotton, roses,**



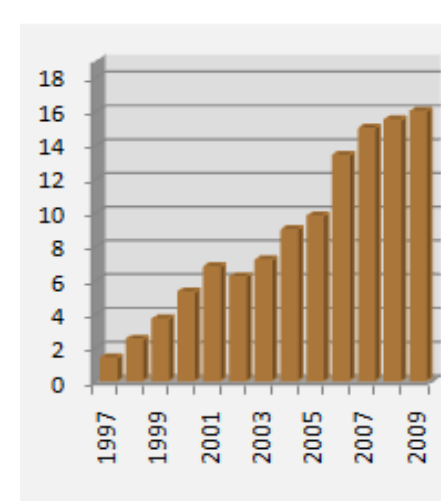
Soybean



Corn

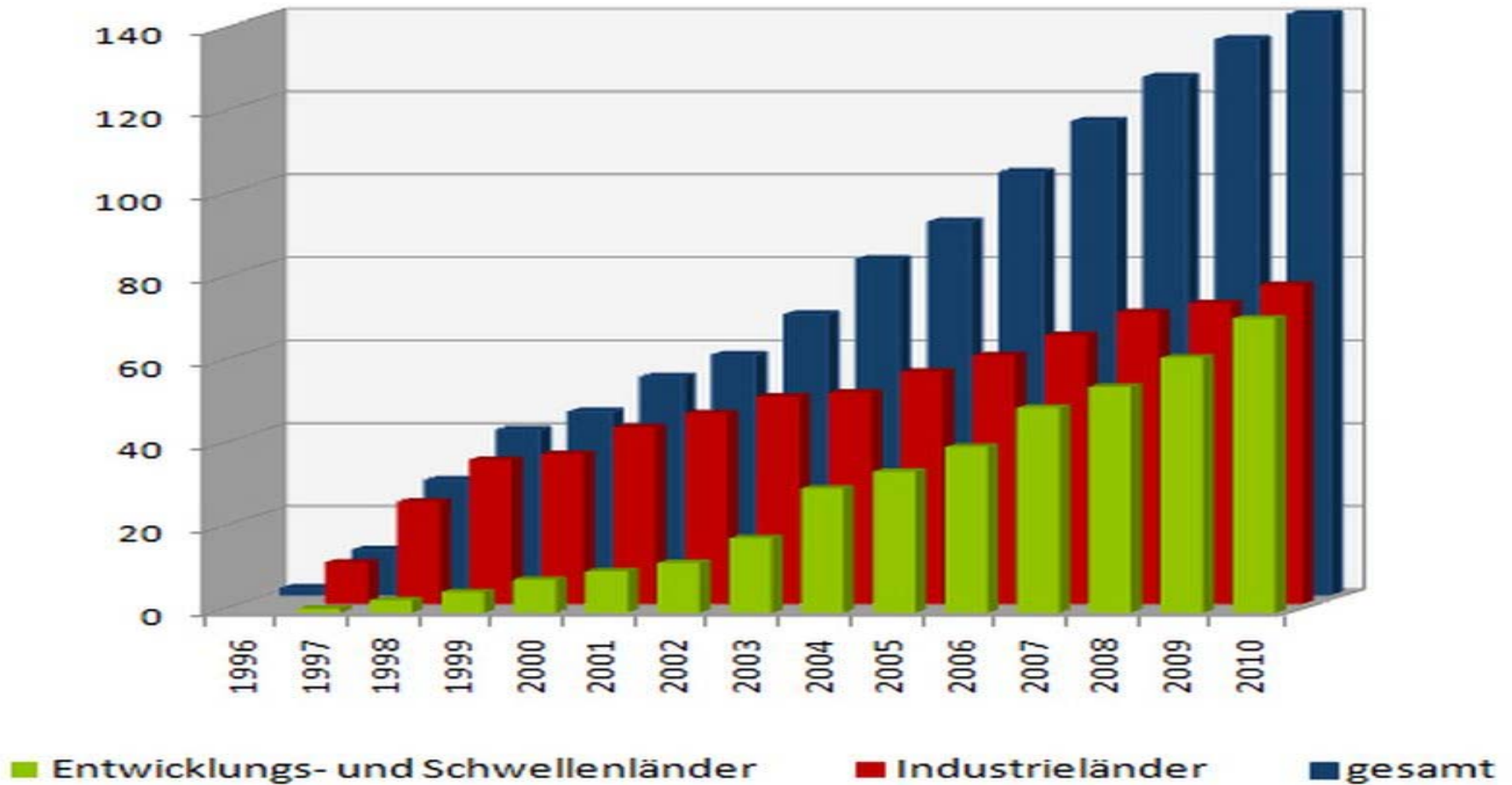


Rapeseed



Cotton

Producción transgénica en el mundo



2010: 148 Millones ha = 9 % del superficie agrícola mundial