



EU 2020 AND BEYOND
THE ROLE OF BIOTECHNOLOGY
IN EUROPE'S RESPONSIBLE INNOVATION

EUROPA BIO™

Agricultural Biotechnology's Role in a Sustainable Future

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Growing Demands for Food and Land

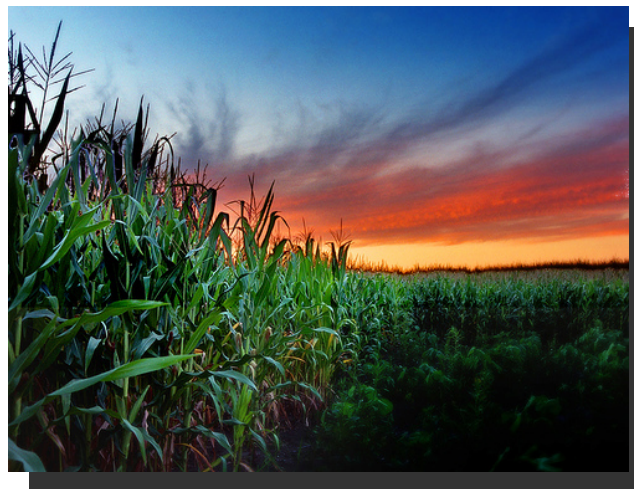


- According to the United Nations, 70% more food will be needed for an additional 2.3 billion people by 2050.
- Arable land will have to expand by around 120 million hectares in developing countries.
- Water scarcity will affect hot, dry areas.
- Biodiversity will need to be conserved. According to the World Wildlife Foundation, the loss of biodiversity will cost Europe €1.1 trillion per year in 2050.

GM Crops Can Help Meet Growing Demands for Food and Land



- GM crops can help farmers achieve yields that are 6%-30% higher.
- With higher yields, farmers can produce more on less land and preserve biodiversity at the same time.
- GM crops can be more tolerant of drought and demanding climates.



GM Crops Provide Benefits To The Environment



- From 1996 to 2008 GM crops reduced the agriculture industry's carbon dioxide emissions by 8.6 billion kg.
- Almost 4 billion kg. of carbon was sequestered in soil in 2008 because of no till agriculture – which is made possible by GM crops.
- In 2008, the carbon dioxide emissions savings associated with GM Crops was the equivalent of removing *7 million cars from the road for a year.*



Europe Must Adopt GM Crops

With GM Crops:

- European farmers can compete against their global competitors.
- The agriculture industry will diminish its CO2 emissions, which are currently higher than any other industry in the world.
- The rapidly expanding global population will be able to meet its demand for food and nourishment.

