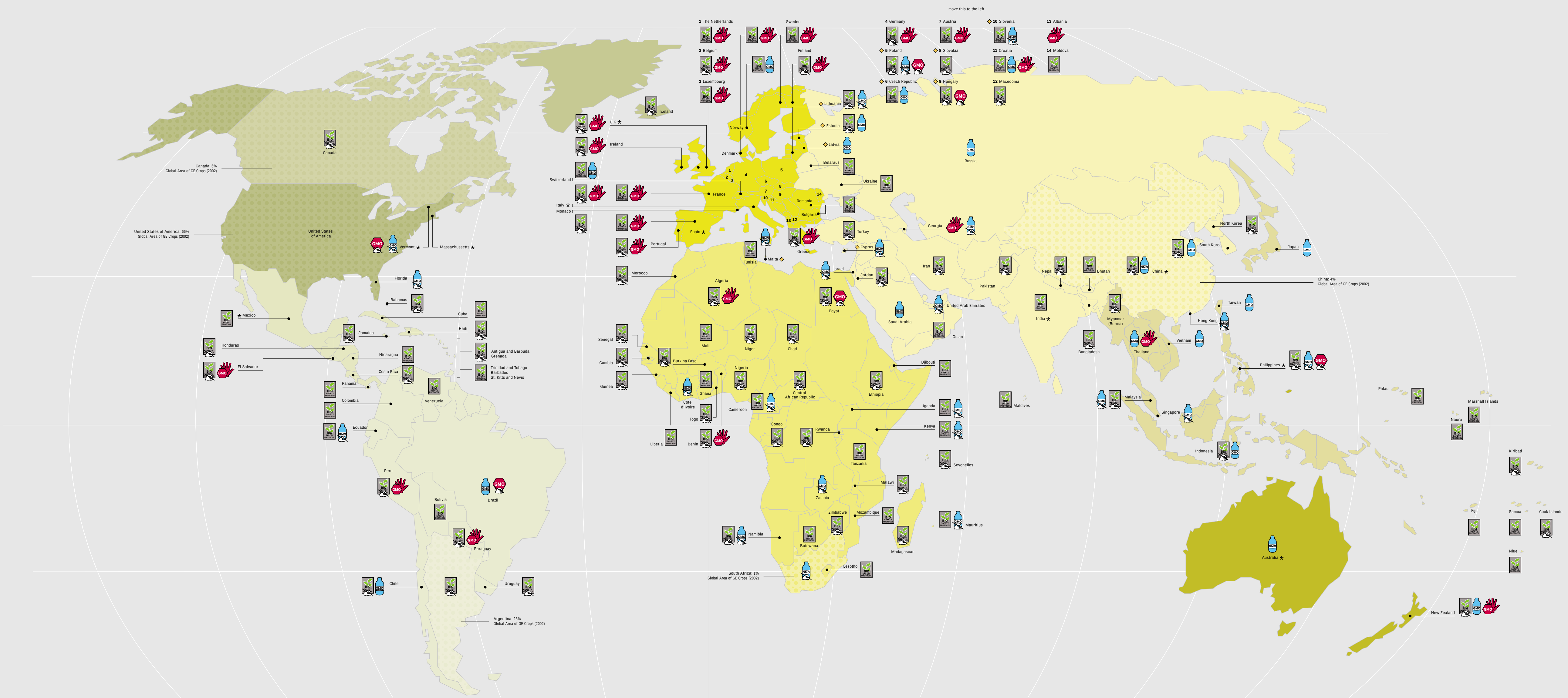


GENETICALLY MODIFIED [GM] CROPS AND FOODS

Worldwide Regulation, Prohibition and Production



DEFINITIONS

Genetically Modified (GM) Food/Genetically Engineered (GE) Food: The terms "genetically modified food" and "genetically engineered food" means food that contains or was produced with a genetically engineered or modified material.

Genetically Modified Organism (GMO): The term "genetically engineered organism" means:

- 1) an organism that has been altered at the molecular or cellular level by means that are not possible under natural conditions or processes (including but not limited to recombinant DNA and RNA techniques, cell fusion, microencapsulation, macroencapsulation, gene deletion and doubling, introducing a foreign gene, and changing the positions of genes), other than a means consisting exclusively of breeding, conjugation, fermentation, hybridization, in vitro fertilization, tissue culture, or mutagenesis; and
- 2) an organism made through sexual or asexual reproduction (or both) involving an organism described above, if possessing any of the altered molecular or cellular characteristics of the organism so described.

The research for this map was conducted in spring 2003. Thus, some information may have changed since the publication date. As much as possible, this information was verified by official government sources. The map includes only government resolutions, declarations, regulations, laws, and/or international treaty obligations.

MAP LEGEND

 Biosafety Protocol-Signed: The Biosafety Protocol is an agreement within the Convention on Biodiversity that was initiated at the United Nations Earth Summit held in Rio de Janeiro, Brazil, in 1992. The Protocol aims at ensuring adequate safety in the cross border movement and use of genetically modified organisms (GMOs) resulting from biotechnology that may have adverse effects on the planet's biological diversity, ecosystems, and human health. The Protocol was adopted and signed by more than 130 countries in January 2000. By signing this Protocol, each country pledged to bring the agreement before its government for ratification.

 Biosafety Protocol-Ratified: The Biosafety Protocol has been ratified by governments of fifty countries (the minimum number of countries required) and thus is the first legally binding international agreement governing the movement of GMOs across national borders.

 Proposed Labeling of Genetically Modified [GM] Foods: Country has proposed legislation that requires the labeling of GM products.

 Required Labeling of GM Foods: Country has adopted regulations requiring labeling of GM products.

 Proposed Ban on GMOs: Country has introduced legislation that proposes some form of regulation on GMOs. The proposed legislation on GMOs indicated on this map includes a variety of regulatory approaches including instituting a ban or moratorium on GM products; instituting a ban or moratorium on importation of GM products; instituting a ban or moratorium on commercialization of GM products; and instituting a "GM-Free" declaration.

 Ban or Moratorium on GMOs: Country has current legislation that either bans or declares a moratorium on GMOs. The legislation category is wide in scope and includes bans or moratoriums

 These countries will join the European Union (EU) on May 1, 2004, and will be required to implement EU legal and regulatory framework.

 Global Area of GE Crops (2002)
USA 66%, Argentina 23%, Canada 6%, China 4%, South Africa 1%

REGIONAL GM BANS

 U.K. - Ban or Moratorium on GMOs - Cornwall County, Leicestershire County, North Radstock, South Gloucestershire, South Hams District, Wales, Warwickshire

Italy - Ban or Moratorium on GMOs - Lazio Region, Marche Region, Molise Region, Tuscany Region

Italian cities: Brescia, Genoa, Milan, Rome, Turin

Switzerland - Ban or Moratorium on GMOs - Tessin Canton

Spain - Ban or Moratorium on GMOs - Andalusia Region, Basque Region

China - Ban or Moratorium on GMOs - Heilongjiang Province, Jilin Province, Liaoning Province

India - Ban or Moratorium on GMOs - Punjab (and other northern states)

Philippines - Ban or Moratorium on GMOs - Bohol Province, Iloilo Province, South Cotabato Province, Valencia

Australia - Ban or Moratorium on GMOs - New South Wales, South Australia, Tasmania, Victoria, Western Australia

New Zealand - Ban or Moratorium on GMOs - Marlborough District, Napier, Waitakere City

Mexico - Proposed Ban on GMOs - Querétaro Province

U.S.A., Vermont - Ban or Moratorium on GMOs - Cabot, Calais, Charlotte, Chester, Fletcher, Greensboro, Hardwick, Jamaica, Johnson, Marshfield, Newark, Peru, Ripton, Rochester, Shoreham, Walden, Westfield

U.S.A., Massachusetts - Ban or Moratorium on GMOs, Labeling of GM Foods - Ashfield, Chesterfield, Plainfield, Windsor

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