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August 2019. Overall finding on purported adverse effects on human health of foods derived from GE crops: On the basis of detailed examination of comparisons of currently commercialized GE with non-GE foods in compositional analysis, acute and chronic animal toxicity, long-term data on health of livestock fed GE foods and human epidemiological data, the committee found no differences that implicate a higher risk to human health from GE foods than from their non-GE counterparts. ^ a b "Frequently asked questions on genetically modified foods". World Health Organization. Retrieved 30 August 2019. Different GM organisms include different genes inserted in different ways. This means that individual GM foods and their safety should be assessed on a case-by-case basis and that it is not possible to make general statements on the safety of all GM foods. GM foods currently available on the international market have passed safety assessments and are not likely to present risks for human health. In addition, no effects on human health have been shown as a result of the consumption of such foods by the general population in the countries where they have been approved. Continuous application of safety assessments based on the Codex Alimentarius principles and, where appropriate, adequate post market monitoring, should form the basis for ensuring the safety of GM foods. ^ a b Haslberger AG (July 2003). "Codex guidelines for GM foods include the analysis of unintended effects". *Nature Biotechnology*. 21 (7): 739–41. doi:10.1038/nbt0703-739. PMID 12833088. S2CID 2533628. These principles dictate a case-by-case premarket assessment that includes an evaluation of both direct and unintended effects. ^ a b Some medical organizations, including the British Medical Association, advocate further caution based upon the precautionary principle: "Genetically modified foods and health: a second interim statement" (PDF). British Medical Association. March 2004. Retrieved 30 August 2019. In our view, the potential for GM foods to cause harmful health effects is very small and many of the concerns expressed apply with equal vigour to conventionally derived foods. However, safety concerns cannot, as yet, be dismissed completely on the basis of information currently available. When seeking to optimise the balance between benefits and risks, it is prudent to err on the side of caution and, above all, learn from accumulating knowledge and experience. Any new technology such as genetic modification must be examined for possible benefits and risks to human health and the environment. As with all novel foods, safety assessments in relation to GM foods must be made on a case-by-case basis. Members of the GM jury project were briefed on various aspects of genetic modification by a diverse group of acknowledged experts in the relevant subjects. The GM jury reached the conclusion that the sale of GM foods currently available should be halted and the moratorium on commercial growth of GM crops should be continued. These conclusions were based on the precautionary principle and lack of evidence of any benefit. The jury expressed concern over the impact of GM crops on farming, the environment, food safety and other potential health effects. The Royal Society review (2002) concluded that the risks to human health associated with the use of specific viral DNA sequences in GM plants are negligible, and while calling for caution in the introduction of potential allergens into food crops, stressed the absence of evidence that commercially available GM foods cause clinical allergic manifestations. The BMA shares the view that there is no robust evidence to prove that GM foods are unsafe but we endorse the call for further research and surveillance to provide convincing evidence of safety and benefit. ^ a b Funk C, Raimie L (29 January 2015). "Public and Scientists' Views on Science and Society". *Pew Research Center*. Retrieved 30 August 2019. The largest differences between the public and the AAAS scientists are found in beliefs about the safety of eating genetically modified (GM) foods. Nearly nine-in-ten (88%) scientists say it is generally safe to eat GM foods compared with 37% of the general public, a difference of 51 percentage points. ^ a b Marris C (July 2001). "Public views on GMOs: deconstructing the myths. Stakeholders in the GMO debate often describe public opinion as irrational. But do they really understand the public?". *EMBO Reports*. 2 (7): 545–8. doi:10.1093/embo-reports/ke124. PMC 1083956. PMID 11463731. ^ a b Final Report of the PABE research project (December 2001). "Public Perceptions of Agricultural Biotechnologies in Europe". Commission of European Communities. Archived from the original on 25 May 2017. Retrieved 30 August 2019. ^ a b Scott SE, Inbar Y, Rozin P (May 2016). "Evidence for Absolute Moral Opposition to Genetically Modified Food in the United States" (PDF). *Perspectives on Psychological Science*. 11 (3): 315–24. doi:10.1177/1745691615621275. PMID 27217243. S2CID 2161060. ^ a b "Restrictions on Genetically Modified Organisms". 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