

Organic and Genetically Modified Food

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--- What organic and genetically modified foods cause these issues?

BACKGROUND

The debate on organic and genetically modified (GM) food is a major issue in modern agriculture and consumer choices. Organic food is produced without synthetic chemicals like pesticides and artificial fertilisers, and avoids genetically modified organisms (GMOs). It prioritises environmental sustainability, animal welfare, and natural farming methods. GM food, on the other hand, uses biotechnology to alter crop or animal genetics, often to enhance traits like pest resistance, nutrition, or drought tolerance.

Environmental Concern:

Using GM crops can be bad for the environment and can put animals and plants at risk. Introducing this mean that there are fewer types of food crops being grown. This could have a negative effect on ecosystems and food security in the long term. The text is now simpler.

PROBLEMS

Compliance Issue:

Bayer hasn't followed the rules for testing crops, which is worrying because it shows that they don't manage and check GM crops well.

	2009	2010	2011	2012	2013	2014	2009-14
VALUE \$M	845	1,042	1,156	1,276	1,467	1,728	-
CAGR %	-	23	11	11	15	18	15.4
Value of Australian organic industry							
VALUE \$M	3,020	3,596	4,037	4,637	5,070	5,475	-
CAGR %	-	19.1	12.2	14.9	9.3	8	12.6
Value of Asia-Pacific organic industry							
	2015		2016		2014-16		
	SM		SM		CAGR %		
AUSTRALIA	1,906.88		2,145.23		12.5		
ASIA-PACIFIC	5,913.95		6,385.99		8.0		
GLOBAL	96,608.56		102,308.47		5.9		
Comparison of global forecast values of organic							
	NORTH AMERICA	EUROPE	MIDDLE EAST AND AFRICA	ASIA-PACIFIC	AUSTRALIA		
VALUE \$M	44,997	35,742	333	5,070	1,728		
% SHARE	52.2	41.5	0.4	5.9	2.3		
Global organic food market share 2014							

Health Risk:

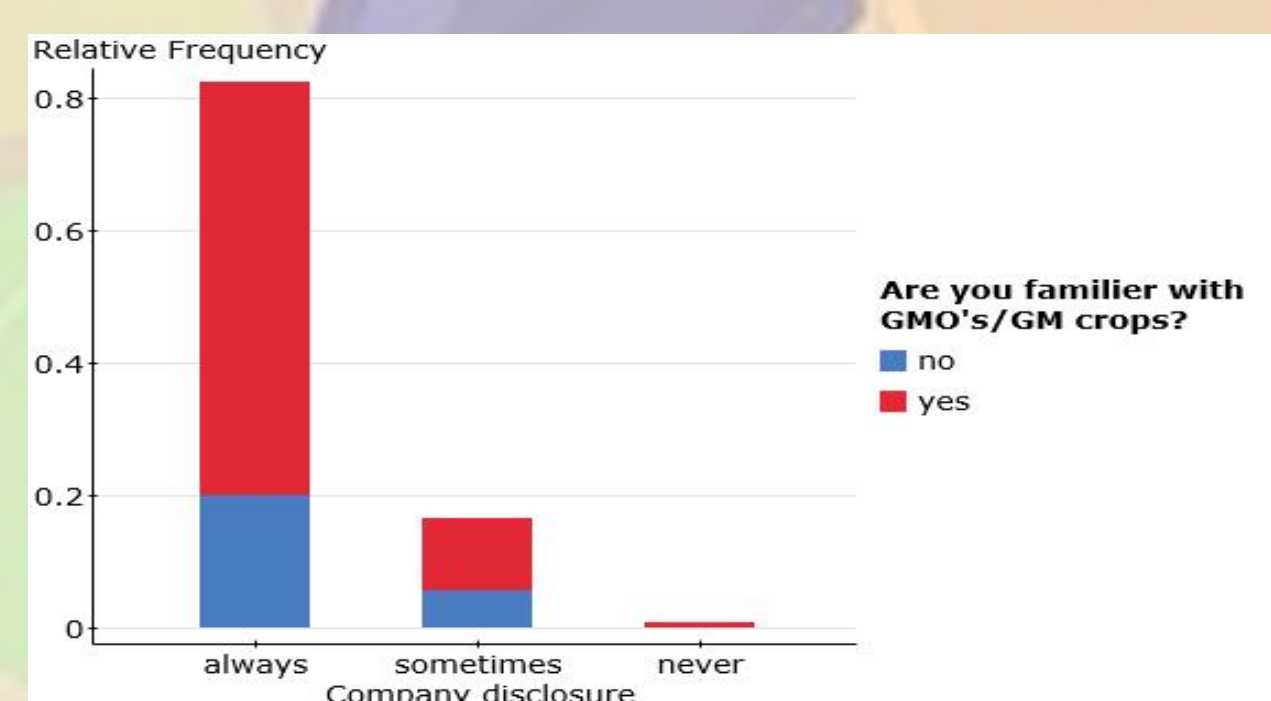
There are ongoing debates about whether GM foods are healthy. While some studies suggest that GM foods are safe, others raise concerns about potential long-term health effects. This is a controversial topic of conversation.

SOLUTION

Compliance issue → The FSANZ worked on managing the rigorous and transparent process for GM. By assessing the safety of genetically modified foods. Based on internationally established scientific principles and rules.

Health risk → GM food crops are as natural as other foods, like conventional crops. In other words, using genetic modification is simply speeding up the process, because GM is quicker than traditional breeding.

Environmental concern → Organic farmers will often save seeds and used them from previous crops, especially the rare and heirloom seed varieties; that leads to save and preserving the biodiversity of our food



Reference

https://drive.google.com/file/d/11LTnrEu3e1_iBv1lgc6Fo0lWlompBiBd/view?usp=share_link
<https://www.statcrunch.com/reports/view?reportid=56403&tab=preview>