Is the FDA protecting us? No

The Food and Drug Administration policy on genetically modified organisms (GMOs), released in 1992, falsely claims that the agency had no information showing that GM foods are substantially different. Thousands of secret memos later made public by a lawsuit reveal just the opposite. FDA scientists repeatedly warned of possible allergies, toxins, new diseases, and nutritional problems; they urged long-term safety studies. But the FDA official in charge of policy was Michael Taylor, Monsanto’s former attorney, later their vice president, and now the US Food Safety Czar.

The FDA ignored their scientists, and doesn’t require a single safety test. Instead, companies such as Monsanto, which have been found guilty of hiding toxic effects of their other products, get to decide if their GMOs are safe for us to eat. And the superficial studies they do conduct are widely criticized as rigged to avoid finding problems.

GMOs: unnatural, imprecise, prone to side-effects

Gene insertion into plants is done by shooting cells with a “gene gun” or using bacteria to infect the cells. Then the cells are cloned into plants. These laboratory techniques are imprecise and bear no resemblance to natural breeding. The technology is based on outdated scientific assumptions and can lead to massive collateral damage in the plant. The DNA of GMOs, for example, can have hundreds or thousands of mutations, and the activity of up to 5% of their natural genes can be significantly changed. Even the inserted gene can be damaged or rearranged, creating proteins that trigger allergies or promote disease.

GM foods on the market

The six major GMO crops are soy, corn, canola, cotton, sugar beets, and alfalfa. Each has added bacterial genes, allowing plants to survive an otherwise deadly dose of weed killer such as Roundup. Farmers use considerably more herbicide on these crops, causing higher herbicide residues in our food.

The second most popular trait is a built-in pesticide, found in GM corn and cotton. An inserted gene from soil bacteria called Bt (Bacillus thuringiensis) secretes the insect-killing Bt-toxin in every cell.

The other GM crops are Hawaiian papaya and a small amount of zucchini and yellow crookneck squash, which are engineered to resist a plant virus.

For more information, visit: ResponsibleTechnology.org and NonGMOShoppingGuide.com

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The Tipping Point Network (TPN) connects you to like-minded non-GMO activists in your area who are ready to make a difference as well as create a community among people who care about the future of our food.

• What is TPN? TPN is about empowering local non-GMO grassroots groups to inspire change through outreach and community.

• How? By educating our communities about the risks of GMOs and what we can do about it.

Turns out, you can save the world by simply educating.

Consumer Education + Rejection = GMO Elimination

We encourage you to get active and get involved.

• TPN—it’s easy and it’s free
• Meet other non-GMO activists in your own community
• Create a local support network
• Join an action group to help educate others

Together, we can create the Tipping Point!

Join now at ResponsibleTechnology.org/joinTPN

The Tipping Point Network is sponsored by the Institute for Responsible Technology

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DOCTORS’ HEALTH WARNING:
Avoid Genetically Modified Foods

The American Academy of Environmental Medicine (AAEM) urges physicians to advise all patients to avoid genetically modified (GM) food. They state, “Several animal studies indicate serious health risks associated with GM food.” These include:

• Infertility
• Immune problems
• Accelerated aging
• Faulty insulin regulation
• Changes in major organs and the gastrointestinal system.

Since 1996, GM plants such as soybeans and corn have had genes from bacteria and viruses forced into their DNA. Most Americans don’t realize that GM ingredients are in an estimated 70% or more of all processed foods.

Learn the risks and start protecting yourself and your family today!

For more information, visit: ResponsibleTechnology.org and NonGMOShoppingGuide.com

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Growing Evidence of Harm from GMOs

**GMOs and allergic reactions**
- Soy allergies skyrocketed by 50% in the UK, soon after GM soy was introduced.
- Cooked GM soy contains as much as 7 times the amount of a known soy allergen.
- GM corn contains an allergen not found in natural varieties.
- GM soy also has an allergen not found in wild soy, and some people react in a skin prick allergy test to the GM variety, but not the wild type.

**GMOs fail allergy tests**
No tests can guarantee that a GMO will not cause allergies. Although the World Health Organization recommends a screening protocol, the GM soy, corn, and papaya in our food supply fail those tests—because their GM proteins have properties of known allergens.

**GMOs may make you allergic to non-GM foods**
- GM soy drastically reduces digestive enzymes in mice. If it also impairs your digestion, you may become sensitive and allergic to a variety of foods.
- Mice fed Bt-toxin started having immune reactions to formerly harmless foods.
- Mice fed experimental GM peas also started reacting to Bt in a range of other foods. (The peas had already passed the allergy tests normally done before a GMO gets on the market. Only this advanced test, which is never used on the GMOs we eat, revealed that the peas might actually be deadly.)
- The livers of rats fed GM soy show significant changes. Also, rats fed GM potatoes had smaller, partially atrophied livers; livers of rats fed GM canola were 12-16% heavier; and the liver cells of mice fed GM soy appeared to suffer from a toxic insult.

**GMOs, reproductive problems, and infant mortality**
- More than half the babies of mother rats fed GM soy died within three weeks.
- Rodents fed GM soy had changes in their ovaries, uterus, or testicles, including altered young sperm cells.
- The DNA of mouse embryos functioned differently when the parents ate GM soy.
- Mice fed GM corn had fertility problems and smaller babies.
- By the third generation, most hamsters fed GM soy were unable to have babies and suffered high infant mortality; some had hair growing in their mouths.

**BT crops linked to fertility, disease, and death**
Thousands of Indian buffaloes, sheep, and goats died after grazing on BT cotton plants after harvest. Others suffered poor health and reproductive problems.
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**GM food supplement caused deadly epidemic**
In the 1980s, a contaminated brand of a food supplement called L-tryptophan killed about 100 Americans and caused sickness and disability in another 5,000-10,000 people. The source of contaminants was almost certainly the genetic engineering process used in its production. The disease was only identified because the symptoms had three simultaneous characteristics: they were unique, acute, and fast-acting. If GM foods on the market cause common diseases, mild symptoms, or have long-term impacts, we may never know. There’s no monitoring, and hardly any long-term animal studies. So we can’t say for sure if GMOs contribute to the recent rise in chronic illness, food allergies, reproductive and digestive problems, autism, and other disorders. But medical organizations like the AAEM say we shouldn’t keep eating GMOs while waiting for more studies.

For more on the health risks, see ResponsibleTechnology.org.