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[The Issue Of Genetically Modified Foods Essay1](#)

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Next time you sit down to your home cooked dinner, you may want to take a moment to ponder your plate. Your lamb chops, tomatoes, and corn-on the cob may look the same as usual, but it's quite possible that the lamb contains human genes, the tomato has been genetically altered for a longer shelf life and the corn has modified to resist infestations from the corn borer. This may come as a surprise to you now, but it certainly isn't news to the government agencies established to protect our food supply.

In recent years there has been much debate over the increasing use of technology in food production. Much of this has come from the sensitive subject of genetically modified food production. Also known as food biotechnology or gene technology, genetic food engineering in its broadest definition is any technique which uses biological methods to alter food crops, animals or micro-organisms. The aim of this technology being to improve the attributes, safety, quantity, quality and ease of production of our food.

Simply put, the claimed benefits of GM food are sensational. We are told that GM food is 100% safe and has been put through thorough testing by the worlds leading scientific bodies. We are also repeatedly told of the numerous benefits that GM products have the ability to display. Leaner pork, vine-ripened tomatoes, potatoes that absorb less fat during cooking and disease resistant sugar cane. Yet despite these safety claims by such groups as the Australian Food and Grocery Council and CSIRO, GM food has not been welcomed by the Australian public. Australians are very hesitant to allow foods into their supermarkets which have been genetically modified in any way. In fact, the CSIRO has announced that it would not commercialise any GM grain crops for at least five years due to public backlash. The main concern of Australians seems to be that GM food will adversely affect their health.

And there are many scientists around the world that agree with this, to the extent that scientific journals have been published, showing research that "brains, livers, hearts and immune system of rats were damaged when exposed to GM foods [widely available GM potatoes].

Random genetic variation occurs naturally in all living things and is how species have come to evolve over many years. According to the Australian Food and Grocery Fact Sheet, Gene technology is simply a more precise method of the crossbreeding practises which farmers have used for thousands of years to improve yield and quality in plants and animals. Somehow GM advocates keep coming back to this argument in the hope of playing down the significance of GM. Yet it is widely agreed that there is a key difference between traditional methods, such as crossbreeding plants to make a desired coloured flower, and current laboratory gene technology such as inserting fish genes into tomatoes and terminator genes into corn or cotton.

Our ecosystem is a complex web linking animals, plants and humans. As soon as one part is altered, sooner or later the others will inadvertently be affected. From increased pesticide pollution to genetic contamination, GE foods spell potential danger for the environment.

British researchers have found that Monarch butterflies die when exposed to pollen from crops of GM corn. The corn had been modified in such a way that a soil bacterium, which is found naturally in small doses and is lethal to insect larvae, was genetically implanted into every cell of the corn plant. The result of this being an insect resistant crop plant. Yet it was only when tests were carried out AFTER 20 million acres of this GE corn had been planted that scientists found the problem. The 20 million acres of crop just happened to be right in the middle of the Monarch butterfly migratory route between Mexico and Canada.

Viruses have long been known to acquire, recombine and swap genetic material with ease, and recent research has shown the ability to pick up genes from transgenic crops. Also, generally more work has been done to date on GM plants than on GM animals. Already in the Australia virus and herbicide resistant plants, which have been genetically programmed to resist certain chemicals and viruses have been planted in vast areas. The issue has been raised a number of times that the extensive planting of these GM crops could very well lead to a new class of "super-weeds" that are resistant to pesticides, thus severely jeopardising our immense agriculture industry.

The genetic engineering technology is very expensive to enter into and is highly monopolised. Over 40% of

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Read Texts A and B carefully and write an argumentative essay in about 500 words in response to the following question. Genetically-modified foods (GM foods) .... Europe is known to grow less than 0.5% of the world's GM crops, primarily because of the very rigorous EU regulations imposed on GMO crops in Europe until .... Generally in Norway investigating the issues involved with affordable and doubt quotes from organisms. Beispiel essay dilemmas of genetically modified foods, .... Your introduction should contain your succinctly worded statement of purpose answering the question, "Should food be genetically modified?" If .... What does a tomato, soybean, and McDonald's French fry have in common? They are all some of the most commonly genetically modified foods sold on the .... Despite the growing use of genetically modified crops over the past 20 years, most Americans say they know only a little about GM foods. And .... Free Essay: Genetically modified foods are completely different from the modern agriculture foods. The genetically engineered food involves artificially.... Genetically engineered crops appear to be safe to eat and do not harm the environment, according to a new analysis by the advisory group the .... Since then there have been numerous crops that have been grown and genetically modified for public consumption. Economic Issues The world's population ( .... Written by Nina Fedoroff, printed in the Spring 2007 issue of Science Journal. ... You may wonder why I begin an essay on genetically modified foods with a .... The cultivation of genetically modified (GM) crops on millions of hectares of lands and their injection into our food chain is a huge global genetic experiment .... The most important question to ask is, is it safe for us to eat? The answer is yes. GMO crops have the same nutrition value and coon as non-GMO crops. Foods .... Jump to GM foods: issues with respect to India - As of 2011, the USA leads a list of multiple countries in the production of GM crops. Currently, there .... Genetically modified food, once believed fiction is now fact. Scientists now have the ability to change the actual physical DNA/genes of bot.... Genetically modified organisms (GMOs) can be defined as organisms (i.e. plants, animals or microorganisms) in which the genetic material (DNA) has been .... The concept of genetic engineering has been in existence for many years, but genetic modification of foods emerged in the early 1990s. Currently .... Free Essay: Genetically Modified Foods Genetically modified crops are harmful to humans and the environment and shouldn't be used. Agriculture should .... Essay Preview. The Issue with Genetically Modified Foods Today we walk downstairs, into the kitchen, open the refrigerator door. We see a bright red tomato, .... (7) The United States of America produced 68% of the worlds GM crops, and therefore became the largest producer of these crops. In comparison to this, Argentina .... However, the thesis of this paper does not focus on the other techniques, but considers and analyzes only the genetically modified foods. Most genetically ... 3d0d72f8f5

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