Name

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Course Title and Code

Date

The Environment

Introductions of GMOs to Our Food Chain without Labeling

The environment is becoming a great cause of concern in modern times, as human activities are adding pollution to the atmosphere. The environment is becoming polluted with every passing day, which is not only impacting the lives of human beings but also causing serious threats to the existence of earth. The introduction of the genetically modified organisms to the food chain of human beings, without labelling, is becoming a rising environmental issue. The inclusion of GMOs to food chain may increase the available quantity of the food; however, it is impacting the environment by affecting the biodiversity, transgene stacking, insecticide, and herbicides.

The inclusion of GMOs in the food chain, without labeling is giving rise to series environment issues. It is paying an important role in affecting the biodiversity of the society, which then impacts the atmosphere. The issue is giving rise to some direct impacts, as well as indirect impacts. The direct impacts include the flow of Naked DNA, gene flow, chemical toxicity and weediness (Tsatsakis et al.). On the other hand, the indirect impacts include disturbed biodiversity, transgene stacking, as well as the increased tolerance of insecticide and herbicide. Although the researchers claim that the GMOs are as safe as the non-GMOs, however, more research is required to prove that, as the society is not ready yet to accept it (Tsatsakis et al.).

The environment of the earth is becoming polluted due to the activities of human beings, and one of such activities is the inclusion of GMOs to the food chain of human beings. It is not only impacting the genes and DNA of the crops and organism but also impacting the biodiversity, which has the tendency of affecting the atmosphere.

Work Cited

Tsatsakis, Aristidis M., et al. "Environmental impacts of genetically modified plants: a review." *Environmental research*156 (2017): 818-833.