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Genetically Modified Plants and Biosecurity Risks

In recent years, new developments have occurred in the science of genetics, Recombinant DNA technology makes it possible to achieve proper processing of the genetic make-up of plants. In this contents, the possibilities of recombinant DNA technology, it is possible and/or not possible in a process of gene naturally replacement especially agricultural crops, including the transfer of genes between different species can be made and genome of plants is modified with different purposes. Thus, more and providing quality products, extrem conditions and pest resistant, genetically engineered plant species are required to be developed.

Based on the required within the scopes of this study, genetically modified plants and their biosecurity risk on the scale of the world and Turkey were examined for genetically engineered plants.