

This is Provisional English translation of an excerpt from the original full report.

Risk Assessment Report Cotton line 281 (Genetically modified food)

Food Safety Commission of Japan (FSCJ)
November 2005

Abstract

I. Background

On the basis of the Food Safety Basic Law (related documents received on August 1, 2003), the Ministry of Health, Labour and Welfare requested that the Food Safety Commission of Japan (FSCJ) conduct a risk assessment of the genetically modified cotton line 281 (hereinafter referred to as “cotton line 281”).

II. Overview of the investigational food

Name: Cotton line 281

Property: Lepidoptera-resistant, glufosinate herbicide-tolerant

Applicant: Dow Chemical Japan Ltd.

Manufacturer: Mycogen Seeds/Dow AgroSciences, LLC

Cotton line 281 is produced by inserting pest (Lepidoptera)-resistant *cryIF* (synthetic products) gene (*Bt* gene) and herbicide glufosinate-tolerant modified *pat* gene into the cotton genome.

Cotton line 281 is highly resistant to the larvae of ball worms and tobacco bud worms, the Lepidoptera cotton pests, and unaffected by the herbicide, glufosinate.

III. Assessment results of effects of food on health

The results of the risk assessment conducted in the light of the “Safety Assessment Criteria for Genetically Modified Food (Seed Plant)” lead to the conclusion that there is no concern about health hazards in humans caused by the consumption of the genetically modified cotton line 281.