

**Safety Assessment of Genetically Modified Food:
Maize line 6275 resistant to lepidopteran pests and tolerant to the herbicide glufosinate**

July 2007

Food Safety Commission

Summary

I. Introduction

The Food Safety Commission received a request from the Ministry of Health, Labour, and Welfare in accordance with the Food Safety Basic Law to provide its opinion on the assessment of the effect of food on health related to an investigation of the safety of foods derived from the genetically modified maize line 6275 resistant to lepidopteran pests and tolerant to the herbicide glufosinate.

II. Outline of the food to be assessed

Name:	Maize line 6275 resistant to lepidopteran pests and tolerant to the herbicide glufosinate
Properties:	Lepidopteran pest-resistance and glufosinate-tolerance
Applicant:	Dow Chemical Japan Limited
Developer:	Dow AgroSciences LLC

Maize line 6275 resistant to lepidopteran pests and tolerant to the herbicide glufosinate was produced by introducing a modified *cryIF* gene derived from *Bacillus thuringiensis* ssp. *aizawai* PS811 strain and a modified *bar* gene derived from *Streptomyces hygrosopicus*. Maize line 6275 is protected against lepidopteran pests and can grow without being affected by the herbicide glufosinate.

III. Results of the assessment of the effect of food on health

Based on the result of the safety assessment conducted in accordance with the Standards for the Safety Assessment of Genetically Modified Foods (Seed Plants), it was deemed that maize line 6275 resistant to lepidopteran pests and tolerant to the herbicide glufosinate poses no risk to human health.