

**Safety Assessment of Genetically Modified Food:  
Varieties Developed by Crossing High Lysine Maize Line LY038 with Maize Line MON810  
Resistant to Lepidoptera Pests**

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Food Safety Commission

Summary

I. Introduction

The Food Safety Commission received a request from the Ministry of Health, Labour and Welfare (MHLW) in accordance with the Food Safety Basic Law to provide its opinion on safety assessment of foods derived from genetically modified maize Varieties Developed by Crossing High Lysine Maize Line LY038 with Maize Line MON810 Resistant to Lepidoptera Pests.

II. Overview of the food to be assessed

Name: Varieties Developed by Crossing High Lysine Maize Line LY038 with Maize Line MON810 Resistant to Lepidoptera Pests  
Properties: High free lysine content and Lepidoptera pest-resistance  
Applicant: Monsanto Japan Limited.  
Developer: Monsanto Company (USA)

The food to be assessed is developed by traditional crossing of maize line LY038 with high free lysine content and MON810 with Lepidoptera pest-resistance. The safety assessment of each maize line, high lysine maize LY038 and MON810 with Lepidoptera pest-resistance, before crossing was completed, and there have been no reports indicating adverse effects on human health.

III. Safety assessment of genetically modified food

Because the Varieties Developed by Crossing High Lysine Maize Line LY038 with Maize Line MON810 Resistant to Lepidoptera Pests is a product of ① and ②) described in the Safety Assessment of a Product of Genetically Modified Plants (January 29, 2004 Decision of the Food Safety Commission on), there should be no adverse effects on human health as a result of assessment based on the Standards for the Safety Assessment of Genetically Modified Foods (Seed Plants) (January 29, 2004 Decision of Food Safety Commission on)