



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

## Safety Assessment Report

### Pima cotton MON88701 x MON88913

(Genetically Modified Foods and Feeds)

Food Safety Commission of Japan (FSCJ)

February 2020

#### ABSTRACT

FSCJ conducted a safety assessment of a pima cotton MON88701 x MON88913 line tolerant of dicamba herbicide, glufosinate herbicide, glyphosate herbicide, based on the documents submitted by the applicant. This line is a hybrid stack generated through traditional breeding of the cotton MON88701 x MON88913 line tolerant of dicamba herbicide, glufosinate herbicide, and glyphosate herbicide, and the pima cotton MON88913 line tolerant of glyphosate herbicide.

The parental line of this hybrid, the cotton MON88701 x MON88913 line, had been reported to the Ministry of Health, Labour and Welfare as was generated through traditional breeding of two lines of cotton MON88701 and cotton MON88913, the safety assessment of which had been previously completed. The results of the assessment of the hybrid cotton line had been announced. In addition, FSCJ had also completed the safety assessment of the pima cotton MON88913 line tolerant of glyphosate herbicide, and had evaluated that the pima cotton has no concern relevant to human health. The cotton (*Gossypium hirsutum*), the host of the cotton MON88701 x MON88913 line tolerant of dicamba herbicide, glufosinate herbicide, glyphosate herbicide, and the pima cotton (*Gossypium barbadense*) are in the *Gossypium* genus, and amphidiploid having common chromosome structure, thus have high genetic similarity, and therefore are known to crossbreed easily in nature. However, they are classified into different species.

Hence, FSCJ conducted risk assessment of pima cotton MON88701 x MON88913 line tolerant of dicamba herbicide, glufosinate herbicide, glyphosate herbicide, based on the “Standards for the Safety Assessment of Genetically Modified Foods (Seed Plants)”<sup>1</sup>, since this is a crossbreed above subspecies level described in the “Approach to the Safety Assessment of Genetically Modified Foods (seed plants)”<sup>2</sup>. Consequently, FSCJ concluded that MON88701 x MON88913 line has no concern relevant to human health.

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<sup>1</sup> Decision of the Commission dated 29 January 2004

<sup>2</sup> Decision of the Commission dated 29 January 2004