

Monsanto's GMO soybean as safe as conventional counterpart, EU Food Safety Authority confirms

Following the submission of application from Monsanto (hereafter referred to as 'the applicant'), the Panel on Genetically Modified Organisms of the European Food Safety Authority (hereafter referred to as the 'GMO Panel') was asked to deliver a scientific opinion on genetically modified (GM) soybean MON 87751 × MON 87701 × MON 87708 × MON 89788 (hereafter referred to as 'the four-event stack soybean'). The scope of [the] application is for the placing on the market of the four-event stack soybean for food and feed uses, import and processing.

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This four-event stack soybean was developed by conventional crossing to combine four single events: MON 87751 (expressing the Cry1A.105 and Cry2Ab2 proteins for protection against specific lepidopteran pests), MON 87701 (expressing the Cry1Ac protein for resistance against specific lepidopteran pests), MON 87708 (expressing the DMO proteins for tolerance to dicamba-containing herbicides) and MON 89788 (expressing the CP4 EPSPS protein for tolerance to glyphosate-containing herbicides). It should be noted that the assessment of herbicide residues relevant for this application has been investigated by the EFSA Pesticides Unit (EFSA, [2013](#), [2018a](#)).

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The molecular characterization, comparative analysis (agronomic, phenotypic and compositional characteristics) and the outcome of the toxicological and allergenicity assessment indicate that the combination of the single soybean events and of the newly expressed proteins in the four-event stack soybean does not give rise to food and feed safety and nutritional concerns. The GMO Panel concludes that the four-event stack soybean, as described in this application, is as safe as and nutritionally equivalent to the non-GM comparator and the non-GM reference varieties tested.

In the case of accidental release of viable seeds of the four-event stack soybean into the environment, this would not raise environmental safety concerns. The post-market environmental monitoring plan and reporting intervals are in line with the intended uses of the four-event stack soybean. Post-market monitoring of food/feed is not considered necessary. The GMO Panel concludes that the four-event stack soybean is as safe as the non-GM comparator and the tested non-GM reference varieties with respect to potential effects on human and animal health and the environment.

Read full, original article: [Assessment of genetically modified soybean MON 87751 × MON 87701 × MON 87708 × MON 89788 for food and feed uses, under Regulation \(EC\) No 1829/2003 \(application EFSA-GMO-NL-2016-128\)](#)