

Comments to EFSA on the application for authorisation of genetically modified maize MON 87427 × MON 87460 × MON 89034 × 1507 × MON 87411 × 59122 (EFSA-GMO-NL-2017-139)

Food and feed safety assessment

1. VKM questions whether there is sufficient knowledge on the safe use of RNAi in GM-plants.
 2. The applicant states: "*The CP4 EPSPS, CspB, NptII, Cry1A.105, Cry2Ab2, Cry1F, PAT, Cry3Bb1, Cry34Ab1 and Cry35Ab1 proteins and the DvSnf7 dsRNA have no synergistic or antagonistic effects to each other. The modes of biological activity are different for these proteins and there is no known or conceivable mechanism of interaction between all proteins which could lead to adverse health effects in animals or humans.*" VKM opposes since this statement is not supported by any experimental data. Different modes of action do not necessarily exclude interaction.
 3. VKM would have preferred that the applicant performed a nutritional feeding study on the stacked event with animals fed a high inclusion of maize gluten in their diets.
 4. VKM welcomes information on herbicide residue levels and their relevant metabolites in applications for herbicide tolerant GM-plants. Data on glyphosate and glufosinate-ammonium residue levels, including their relevant metabolites, in plant material from field studies would support the assessment of food and feed safety.
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