

## Testbiotech comment on EFSA's assessment of genetically engineered maize MIR604 for renewal authorisation from Syngenta

**Subtitle:** TESTBIOTECH Background 8 - 12 - 2019

The EFSA GMO panel assessed the renewal application for maize MIR604. The maize expresses genes producing a synthetic, artificial version of Cry3A (mCry3A), which is especially toxic for *Coleoptera* species (such as the Western corn rootworm larvae, *Diabrotica virgifera virgifera*). Further, the maize produces the PMI protein (phosphomannose isomerase) derived from *Escherichia coli*. Expression of PMI enables transformed maize cells to utilise mannose and, therefore, to survive on specific media used for selecting the maize plants after the process of genetic engineering (so-called marker gene). The integration of the additional DNA was performed by using *Agrobacterium tumefaciens* in two different lines of maize (EFSA, 2009a). The final event was derived from stacking (crossing).

Implementing Regulation 503/2003 was applied in the risk assessment performed by EFSA.

**Publication year:** 2019

**File attachments:** Attachment

Size

192.14 KB



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