Maize DP4114 × MON 810 × MIR604 × NK603 and subcombinations

Organisation: The European GMO-free Citizens (De Gentechvrije Burgers)
Country: The Netherlands
Type: Others...

Comments:

We read: 'The GMO Panel concludes that the four-event stack maize and its subcombinations are as safe as the non-GM comparator and the selected non-GM reference varieties with respect to potential effects on human and animal health and the environment.'

Assessment of genetically modified maize DP4114 × MON 810 × MIR604 × NK603 and subcombinations, for food and feed uses, under Regulation (EC) No 1829/2003 (application EFSA-GMO-NL-2018-150) – 2022 – EFSA Journal – Wiley Online Library

Our comments:

Please find below some of the many papers that, on the contrary, confirm the toxicity of various herbicides that enable maize to thrive. There is nothing new here: the Members of the European Parliament have frequently spoken out against the presence of gentech plants in the EU – whether on the market or in the fields. But by means of an undemocratic procedure, such plants are repeatedly approved by one single high-ranking person selected non-democratically by the people.

The European GMO-free Citizens (*De Gentechvrije Burgers*) have said time and time again that they want no gentech plants on their plate and in the field. Biological plants should from now on be grown. We find it shocking that authorisation is being sought via the Netherlands.

The papers:

Paper 1. 'An integrated multi-omics analysis of the NK603 Roundup-tolerant GM maize reveals metabolism disturbances caused by the transformation process | Scientific Reports (nature.com)

• Published: 19 December 2016

An integrated multi-omics analysis of the NK603 Roundup-tolerant GM maize reveals metabolism disturbances caused by the transformation process

• Robin Mesnage,

• Sarah Z. Agapito-Tenfen,

• Vinicius Vilperte,

• George Renney,

• Malcolm Ward,

• Gilles-Eric Séralini,

• Rubens O. Nodari &

• Michael N. Antoniou

Scientific Reports volume 6, Article number: 37855 (2016) Cite this article

Volume 38, Issue 1, July 2014, Pages 131-140'

Roundup damages sperm

Published: 13 June 2014

'A new study in rats found that Roundup altered testicular function after only 8 days of exposure at a concentration of only 0.5%, similar to levels found in water after agricultural spraying, writes Claire Robinson.

Roundup damages sperm – new study (gmwatch.org)

An acute exposure to glyphosate-based herbicide alters aromatase levels in testis and sperm nuclear quality.' https://www.sciencedirect.com/science/article/pii/S1382668914001227

Estelle Cassault-Meyer Steeve Gress Gilles-Éric Séralini Isabelle Galeraud-Denis

https://doi.org/10.1016/j.etap.2014.05.007

'Highlights

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We investigated the effects of a glyphosate-based herbicide after an 8-day exposure of adult rats.

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We have shown a significant and differential expression of aromatase in testis.

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We have observed a diminution of mRNA expression of nuclear markers in spermatozoa.

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These results suggest changes in androgen/oestrogen balance and in sperm nuclear quality.'

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MORE: https://doi.org/10.1016/j.etap.2014.05.007 An acute exposure to glyphosate-based herbicide alters aromatase levels in testis and sperm nuclear quality - ScienceDirect

'Ignored side-effects of gluphosinate herbicide'

Published: 16 February 2002

by Dr Joe Cummins

Quote:

'Gluphosinate causes convulsions in humans and experimental rodents by brain-cell glutamate receptor activation (gluphosinate and glutamate are structurally similar) according to Matsumura et al (1). Gluphosinate also stimulates nitric-oxide production in the brain through N methylDaspartate (NMDA) receptors (2). Birth defects have been caused by exposure of the human father to the herbicide (3).'

MORE: Ignored side-effects of gluphosinate herbicide (gmwatch.org) https://gmwatch.org/en/main-menu/news-menu-title/archive/41-2002/2001-ignored-side-effects-of-gluphosinate-herbicide-1622002