

## **Peer-reviewed publications authored by Testbiotech experts or resulting from projects supported by Testbiotech**

(December 2023)

Bauer-Panskus, A., Breckling, B., Hamberger, S., Then, C. (2013) Cultivation-independent establishment of genetically engineered plants in natural populations: current evidence and implications for EU regulation. Environ Sci Eur, 25, 34. <https://doi.org/10.1186/2190-4715-25-34>

Bauer-Panskus, A., Miyazaki, J., Kawall, K., Then, C. (2020) Risk assessment of genetically engineered plants that can persist and propagate in the environment. Environ Sci Eur, 32, 32. <https://doi.org/10.1186/s12302-020-00301-0>

Kawall, K. (2019) New possibilities on the horizon: genome editing makes the whole genome accessible for changes. Front Plant Sci, 10, 525. <https://doi.org/10.3389/fpls.2019.00525>

Kawall, K. (2021) Genome-edited *Camelina sativa* with a unique fatty acid content and its potential impact on ecosystems. Environ Sci Eur, 33(1), 1-12. <https://doi.org/10.1186/s12302-021-00482-2>

Kawall, K. (2021) The generic risks and the potential of SDN-1 applications in crop plants. Plants, 10(11), 2259. <https://doi.org/10.3390/plants10112259>

Kawall, K., Cotter, J., Then, C. (2020) Broadening the EU GMO risk assessment in the EU for genome editing technologies in agriculture. Environ Sci Eur, 32(1), 1-24. <https://doi.org/10.1186/s12302-020-00361-2>

Koller, F., & Cieslak, M. (2023) A perspective from the EU: unintended genetic changes in plants caused by NGT—their relevance for a comprehensive molecular characterisation and risk assessment. Front Bioeng Biotechnol, 11. <https://doi.org/10.3389/fbioe.2023.1276226>

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Mesnage, R., Clair, E., Gress, S., Then, C., Székács, A., Séralini, G.E. (2012) Cytotoxicity on human cells of Cry1Ab and Cry1Ac Bt insecticidal toxins alone or with a glyphosate-based herbicide. J Appl Toxicol, 33(7), 695-699. <https://doi.org/10.1002/jat.2712>

Miyazaki, J., Bauer-Panskus A., Bøhn T., Reichenbecher W., Then C. (2019) Insufficient risk assessment of herbicide tolerant genetically engineered soybeans intended for import into the EU. Environ Sci Eur, 31, 29. <https://doi.org/10.1186/s12302-019-0274-1>

Szekacs, A., Weiss, G., Quist, D., Takacs, E., Darvas, B., Meier, M., Swain, T., Hilbeck, A. (2012) Inter-laboratory comparison of Cry1Ab toxin quantification in MON 810 maize by enzyme-immunoassay. Food Agric Immunol, 23, 99-121. <https://doi.org/10.1080/09540105.2011.604773>

Then, C. (2010) New pest in crop caused by large scale cultivation of Bt corn. In: Breckling, B. & Verhoeven, R. (eds), Implications of GM-crop cultivation at large spatial scales (pp 94-97). Theorie in der Ökologie 16. Frankfurt, Peter Lang. <http://citeserx.ist.psu.edu/viewdoc/download?doi=10.1.1.664.1876&rep=rep1&type=pdf>

Then, C. (2010) Risk assessment of toxins derived from *Bacillus thuringiensis*: synergism, efficacy, and selectivity. Environ Sci Pollut Res Int 17, 791-797. <https://doi.org/10.1007/s11356-009-0208-3>

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