Review of risk assessment methodology for RNAi-based GM plants

Ad-hoc meeting with GMO applicants

6/10/2023

efsa
EUROPEAN FOOD SAFETY AUTHORITY

PROJECT AIMS

EFSA's objective: in order to update EFSA's guidance documents, the scientific literature is regularly reviewed and the RA methodologies are updated to follow the progress in knowledge in the field

Literature searches to determine the need for update of EFSA's strategy for the RA of RNAi-based GM plants

Bioinformatic tool delivered by EFSA to the applicant to harmonise plant RNAi off-target searches

PROJECT TIMELINE

Project start: December 2022

Literature search start: January 2023

Milestone review: Q3 2023

Project end: Q3 2024

APPLICANT SURVEY ON THE RNAI OFF-TARGET PREDICTION TOOL

- A script to be used for the IR 503/2013-required dsRNA off-target analysis, in plants
- The analysis will not be performed in EFSA environment
- To be run by the applicants; independent of EFSA submission tools
- Outcome will not be known/stored in EFSA; is owned by the applicant
- The result to be analysed by the applicant and submitted in the respective study with the GMO application dossier
- To be made available through an open-source repository
- The applicants will be informed about the progress of the project

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