



# Food consumption data, dietary exposure to NEPs, and nutritional assessment

*Ad hoc meeting with GMO Industry Representatives*

25 March 2026

Methodology and Scientific Support (MESE) Unit

# DIETARY EXPOSURE TO NEP - CURRENT SITUATION

- **Summary statistics of consumption** available in EFSA website for maize, oilseed rape, soybean and cotton ([here](#)).
- **Last update** of consumption data: **March 2022**. 2019 EFSA statement ([here](#)); mandatory to use this methodology as of August 2021.
- **Food codification** in FoodEx1 system; **outdated**: only food domain not yet in FoodEx2.



# DIETARY EXPOSURE TO NEP – NEXT STEPS

## SHORT TERM

- **Update of summary statistics** of consumption with new dietary surveys and new codification system (FoodEx2)
- **Timeline: by the end of June 2026.** Transition period: to be agreed.

## MEDIUM/LONG TERM

- Dietary exposure estimations to be conducted with **new harmonised tool** currently under development (REDEX).
- **Individual consumption data** from the EFSA Consumption DB. Data disaggregated to Raw Primary Commodities (RPC) and RPC derivatives using the RPC model.
- **Concentration values** from raw primary commodities (e.g., maize grains) to be used in the tool (as submitted in the application dossier). Possibility to exclude food commodities not relevant for the dietary exposure (e.g. oil).
- **Timeline:** under discussion.



# NUTRITIONALLY ALTERED CROPS

- DietEx is a user-friendly tool to estimate **long-term** (chronic) dietary intake/exposure ([here](#)).
- **DietEx tool** could be used to conduct nutritional intake assessments.
- DietEx tool makes use of **individual consumption data** from the EFSA Consumption DB for different countries, age groups and special population groups (i.e. “*Pregnant women*”, “*Lactating women*” and “*Vegetarians*”).
- New version released at the **end of January 2026**.



# NUTRITIONALLY ALTERED CROPS

## CONSUMPTION and CONCENTRATION VALUES (example)

- It could be used in “**replacement intake scenarios**” (e.g. nutritionally altered crops) to predict intake during pre-market risk assessment considering intended uses. Dietary exposure tool used in EFSA Novel Food applications to assess intake/exposure.
- **Concentration values** (e.g., for fatty acids) to be input in processed commodities based on **intended uses** to be given to GM commodities (e.g., oil).
- DietEx tool produces **mean and 95<sup>th</sup> percentile** CHRONIC estimates by population group across EU countries.



## ...NEXT STEPS...

- Live demonstrations of DietEx to be provided if needed.
- Feedback by applicants to be discussed at next applicant meeting/s.
- EFSA to provide update on the on-going work with the new tool under development for the standard applications (e.g., e-mail, upcoming applicant's meetings).



**THANK YOU FOR  
YOUR ATTENTION**

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