

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of the
United Nations



World Health
Organization

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Agenda Item 5(a)

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ORIGINAL LANGUAGE ONLY

JOINT FAO/WHO FOOD STANDARDS PROGRAMME CODEX COMMITTEE ON PESTICIDE RESIDUES

56th Session

Santiago, Chile

8-13 September 2025

Comments submitted by Institute of Food Technologists (IFT)

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Section 2 of the 2024 JMPR Report

Report on items of general consideration arising from the 2024 JMPR meeting

The Institute of Food Technologists (IFT) supports a science-based approach to risk analysis. Toward this end, dietary exposure methodology used by the Joint Meeting on Pesticide Residues (JMPR) should be subject to the transparent development of new risk assessment methodology that is reproducible and accompanied by publication of appropriate models that enables all CCPR stakeholders to assess and manage risk.

Further, IFT encourages that if the JMPR adopts the Global Estimate of Chronic Dietary Exposure (GECDE) methodology to calculate Maximum Residue Levels (MRL's), it should be validated and verified against the existing methodology using the International Estimate of Daily Intake (IEDI) to evaluate chronic exposure to pesticides. Such verification would benefit from the application of the Horwitz equation¹ to calculate the relative difference, expressed as Relative Standard Deviation (RSD). In the event the proposed application of the GECDE model generates MRLs that exceed two RSDs from existing procedures, IFT recommends the proposed MRLs should be subject to further evaluation and deliberation by JMPR and CCPR.

IFT also recommends a holistic evaluation of risk assessment methodology be undertaken across Codex that accounts for different amounts and quality of exposure/intake data for intended or unintended presence of substances evaluated by CCCF, CCFA, CCRVDF and CCPR as it relates to the joint WHO/FAO risk assessment committees (JMPR and JECFA) to ensure consistency when establishing MRLs and MLs across these committees.

¹ 'Horwitz equation' in *IUPAC Compendium of Chemical Terminology*, 5th ed. International Union of Pure and Applied Chemistry; 2025. Online version 5.0.0, 2025. <https://doi.org/10.1351/goldbook.08077>