APPENDIX X

PRIORITY LIST OF CONTAMINANTS FOR EVALUATION BY JECFA

SECTION A: PRIORITY LIST OF CONTAMINANTS FOR EVALUATION BY JECFA (REP22/CF)

Contaminants	Background and question(s) to be answered	Data availability (when, what)	Proposed by
Dioxins and dioxin-like PCBs	Full evaluation (toxicological assessment and exposure assessment) to update 2001 JECFA assessment and incorporate data on developmental effects from in utero exposures.	EFSA: Assessment available September 2018; occurrence data WHO: Expert consultation to develop TEFs held in October 2022; publication in 2024 (https://www.sciencedirect.com/science/article/pii/S0273230023001939) Brazil: Occurrence data on milk, raw eggs, fish, and fat (poultry and mammals) Canada: Occurrence data on foods of animal origin USA: FDA occurrence data from previous 10 years for milk, eggs, meat, and seafood and TDS data from 2018-2022 for dairy products, eggs, meat, poultry, seafood, and other foods. USDA occurrence data from 2012-2013 and 2018-2019 for meat, poultry, and Siluriformes fish. Singapore: TDS data New Zealand: occurrence data	Canada
Arsenic (inorganic and organic)	Inorganic: 2011 JECFA evaluation based on cancer effects. This evaluation would focus on non-cancer effects (neurodevelopmental, immunological and cardiovascular) and could inform future risk management needs. NOTE: Needs to be put in context to cancer risk assessment. Organic: (exploratory)	Australia/New Zealand: TDS; inorganic and organic arsenic occurrence data Brazil: Occurrence data on total arsenic in rice, poultry, pork, fish, and cattle meat, inorganic arsenic occurrence data in rice and fish. Canada: Occurrence data on inorganic and total arsenic in a variety of commercial foods. Chile: Occurrence data on inorganic and total arsenic in algae, crustaceans, gastropods, bivalve molluscs and small fish. EU: Inorganic and organic arsenic occurrence data India: Occurrence data in rice Japan and China: Occurrence data on rice and rice products New Zealand: Inorganic arsenic occurrence data in seafood Türkiye: Occurrence data in rice USA: FDA occurrence data from various foods for past 10 years. USDA occurrence data from 2017-2022 in meat, poultry, and Siluriformes fish. 2016 risk assessment. USA: Studies: • Neurodevelopmental studies of inorganic arsenic impacts on rat behavior (2019, 2022) • Toxicokinetic studies on metabolism and disposition of inorganic and organic arsenic and metabolites in mice (various life stages) (2018-20)	USA

Contaminants	Background and question(s) to be answered	Data availability (when, what)	Proposed by
		• Developmental toxicity test in *C. elegans* on inorganic arsenic (2018) and ongoing study on organic arsenic. • Non-governmental report, Effects of Inorganic Arsenic in Infant Rice Cereal on Children's Neurodevelopment (2017) Singapore: TDS data on inorganic and total arsenic	
Scopoletin	Full evaluation (toxicological assessment and exposure assessment) in fermented noni juice	CCNASWP16 ~~still working on~~has finalised the standard for fermented noni fruit juice and requested CCCF to keep scopeletin in the priority list and provide data ~~availability, to be discussed at CCCNASWP16~~as it becomes available ~~(2023)~~. CCNASWP15 agreed to request CCCF to retain scopoletin on the priority list and to call upon Codex members to generate and submit data to support the conduct of the safety evaluation by JECFA. CCNASWP15 also requested FAO and WHO to organize a new call for data for the safety evaluation of scopoletin. FAO reminded that a full dataset including exposure and toxicity is required. A consultant was hired by the Codex Secretariat to undertake a toxicological review of scopoletin as presented in the Annex to CX/CF 21/14/2-Add.1.	CCNASWP
Thallium	Full evaluation (toxicological assessment and exposure assessment)	EU: Two EFSA assessments, occurrence data New Zealand: TDS data USA: Occurrence data on brassica-containing foods, in baby foods, and in TDS results. U.S. National Toxicology Program is conducting studies on thallium (I) sulfate. Canada: TDS data	United States
Perfluoroalkyl substances (e.g., PFOS, PFOA, PFNA, PFHxS)	Full evaluation (toxicological assessment and exposure assessment)	EU: Occurrence data Japan: Occurrence data; summary of risk assessment report expected in 2024. Singapore: Occurrence data USA: Occurrence data from FDA TDS and targeted surveys (seafood, bottled water, and milk). Occurrence data in meat and poultry from the USDA National Residue Program. Toxicology/risk assessments from US Agency for Toxic Substances Disease Registry and Environmental Protection Agency. Canada: TDS data for dairy, fish, meat, fruits, vegetables, and prepared foods and targeted survey data in flour, cereal, popcorn, and root vegetables China: TDS data New Zealand: Occurrence data	Singapore
Ethylene oxide (EtO) and 2-chloroethanol	Full evaluation (toxicological assessment and exposure assessment)	Indonesia: data availability will be confirmed at CCCF18 (2025)	Indonesia

SECTION B: OTHER MATTERS FOR ACTION BY JECFA SECRETARIAT

Contaminant	Background and question(s) to be answered	Data call/Data review
Dioxins and dioxin-like PCBs	CCCF9 requested that JECFA conduct a full evaluation (toxicological assessment and exposure assessment) to update the 2001 JECFA assessment and incorporate data on developmental effects from *in utero* exposures.	Ongoing data call by JECFA Secretariat. Deadline for data submission is 1 December 2024.
Arsenic (inorganic and organic)	CCCF9 requested that JECFA conduct a full evaluation (toxicological assessment and exposure assessment), building on JECFA72, and focusing on non-cancer effects (neurodevelopmental, immunological and cardiovascular).	Ongoing data call by JECFA Secretariat. Deadline for data submission is 1 December 2024.
Lead	CCCF17 requested that JECFA issue a call for data to support continued work on development of MLs for spices, dried bark, and dried culinary herbs.	JECFA Secretariat will issue call for data for CCCF18.
Lead	CCCF17 requested that JECFA evaluate existing data on spice mixtures.	JECFA will conduct an analysis of available data in GEMS/Food on spice mixtures for CCCF18.
Tropane alkaloids	CCCF17 requested that JECFA issue a call for data to support development of the discussion paper on a Code of Practice.	JECFA Secretariat will issue a call for data on tropane alkaloids occurrence in food and feed at different production stages for CCCF18.
Total aflatoxins	CCCF17 requested that JECFA issue a call for data to support development of an ML for ready to eat peanuts.	JECFA Secretariat will issue a call for data on total aflatoxins occurrence in peanuts for CCCF18 according to the terms of reference in the report of CCCF17; in particular, in the call it will be asked that the submitter specify whether the data for “raw” peanuts refers to “ready to eat “or for “further processing”. The GEMS/Food Administrator will seek clarification from previous submitters on whether peanut data of unknown classification can be classified as ready to eat or for further processing.
Total aflatoxins	CCCF17 requested that JECFA issue a call for data to support review of the MLs for cereal products.	JECFA Secretariat will issue a call for data on total aflatoxins occurrence in cereal products for CCCF18. The call is targeted to new data collected after the adoption of the MLs (CCCF15).