

Pesticide residues in food 2006

Joint FAO/WHO Meeting
on Pesticide Residues

REPORT 2006



World Health
Organization



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Organization of
the United Nations

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T, toxicological evaluation; R, residue and analytical aspects; D, dietary risk assessment

* New compound

** Evaluated within the periodic review programme of the Code Committee on Pesticide Residues

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ABBREVIATIONS

ADI	acceptable daily intake
ai	active ingredient
ALP	alkaline phosphatase
ALT	alanine aminotransferase
ARfD	acute reference dose
AST	aspartate aminotransferase
AUC	area under the curve for concentration–time
BMDL ₁₀	benchmark-dose lower 95% confidence level
bw	body weight
CAS	Chemical Abstracts Service
CC	carbohydrate
CCFAC	Codex Committee on Food Additives and Contaminants
CCN	Codex classification number (for compounds or commodities)
CCPR	Codex Committee on Pesticide Residues
C _{max}	maximum concentration
EC ₅₀	the concentration of agonist that elicits a response that is 50% of the possible maximum
F ₁	first filial generation
F ₂	second filial generation
FAO	Food and Agricultural Organization of the United Nations
GAP	good agricultural practice
GC	gas chromatography
GGT	gamma-glutamyltransferase
GEMS/Food	Global Environment Monitoring System–Food Contamination Monitoring and Assessment Programme
HR	highest residue in the edible portion of a commodity found in trials used to estimate a maximum residue level in the commodity
HR-P	highest residue in a processed commodity calculated by multiplying the HR of the raw commodity by the corresponding processing factor
IC ₅₀	concentration required to inhibit activity by 50%
IEDI	international estimated daily intake
IESTI	international estimate of short-term dietary intake
IFN Code	International Feed Number Code
ISO	International Organization for Standardization

IUPAC	International Union of Pure and Applied Chemistry
JECFA	Joint Expert Committee on Food Additives
JMPR	Joint Meeting on Pesticide Residues
JMPS	Joint FAO/WHO Meeting on Pesticide Specifications
LC	liquid chromatography
LC50	median lethal concentration
LD50	median lethal dose
LOAEL	lowest-observed-adverse-effect level
LOAEC	lowest-observed-adverse-effect concentration
LOD	limit of detection
LOQ	limit of quantification
MCH	mean corpuscular haemoglobin
MCV	mean corpuscular volume
MRL	maximum residue limit
MS	mass spectrometry
MS/MS	tandem mass spectrometry
NOAEL	no-observed-adverse-effect level
OECD	Organization for Economic Co-operation and Development
PC	protein
PPAR α	peroxisome proliferator-induced receptor alpha
PHI	pre-harvest interval
ppm	parts per million
R	roughage
STMR	supervised trials median residue
STMR-P	supervised trials median residue in a processed commodity calculated by multiplying the STMR of the raw commodity by the corresponding processing factor
TRR	total radiolabelled residue
TSH	thyroid stimulating hormone
TMDI	theoretical maximum daily intake
WHO	World Health Organization

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