

Codex MRLs and EU risk assessment

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Outline



Introduction to EU legislation on pesticide residues in food Process for implementation of CXLs in EU legislation Assessment of Codex MRL proposals Reasons why CXLs are not implemented in EU legislation Conclusions

Principles of EU food law/pesticide MRL legislation





Separation of risk assessment (RA) and risk management (RM)

- •RM: Responsibility of European Commission and competent national authorities
- •RA: Responsibility of EFSA and MS authorities responsible for scientific assessment



Comprehensive legislation

- Specific MRLs: set as low as possible (ALARA principle)
- Default MRL of 0.01 mg/kg: if no specific MRLs established



MRLs are based on scientific risk assessment

- •The safety of a MRL must be demonstrated by data; minimum set of data defined in data requirements
- •Burden of proof is with an applicant!
- MRLs may not pose an unacceptable risk to consumers
- •Incomplete data may lead to MRL rejection if no clear conclusion on the safety of an MRL can be drawn



Openness/Transparency/Non-discrimination

- •Adapt to needs e.g. to address new use of pesticides
- All assessments are published
- •Same rules for EU and non-EU products

avoid trade barriers Common marketfree movement of goods, respecting WTO agreement

give certainty for producers If pesticides are used according to label, food

products are expected to

comply with MRLs

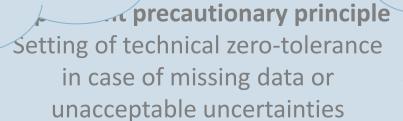


are protective for consumers

No unacceptable consumer risk, exposure as low as possible.

follow ALARA principle

ALARA (as low as reasonably achievable)
MRL based on GAP
If no use of pesticide, MRL is set at LOQ





Process to derive EU position on Codex MRL proposa



Publication of JMPR report

European Commission mandates EFSA to prepare comments on proposed Codex MRLs

EFSA assessment, consultation of Member States on draft comments

Discussion of EU position at risk management level (Council Working Parties, chaired by EU presidency)

Derivation of EU common position

Presentation of EU position in CCPR meeting

J

EFSA assessment of Codex MRL proposals



Comments on proposed draft Codex MRLs to address the following aspects (1/2)

- Compilation of regulatory background information on active substances assessed by JMPR
 - Approval status of the active substance, reasons for non-approval
 - Previous assessments at EU level: MRL applications assessed by EFSA, EFSA conclusions and reasoned opinions on MRL applications or MRL review
 - Other relevant information, e.g. cut-off criteria, including endocrine disrupting properties.
- In case new toxicological reference values were proposed by JMPR
 - Comparison of the proposed reference values (ADI/ARfD) with agreed EU reference values
 - Toxicological data for components of the residue definition for risk assessment
 - Evaluation of the reasons for differences

EFSA assessment of Codex MRL proposals



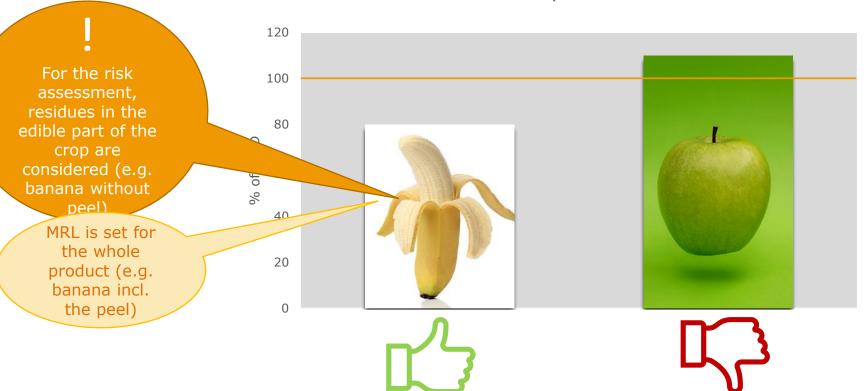
Comments on proposed draft Codex MRLs to address the following aspects (2/2)

- Comparison of EU MRLs/Codex MRL proposals
 - Are the residue definitions derived by JMPR comparable with the existing EU residue definitions? If different, what are the consequences?
 - Are the proposed draft Codex MRLs sufficiently supported by data (number of residue trials, residue trials representative for the GAP, metabolism data, processing studies, feeding studies, dietary burden calculations for livestock)?
- Are the proposed draft Codex MRLs safe for European consumers with regard to chronic, and where relevant, acute exposure?
 - Exposure calculations based on PRIMo rev. 3.1, including proposed Codex MRLs and the existing EU MRLs.
- EFSA Report on assessment of Codex MRL proposals is published in EFSA Journal

Acute risk assessment







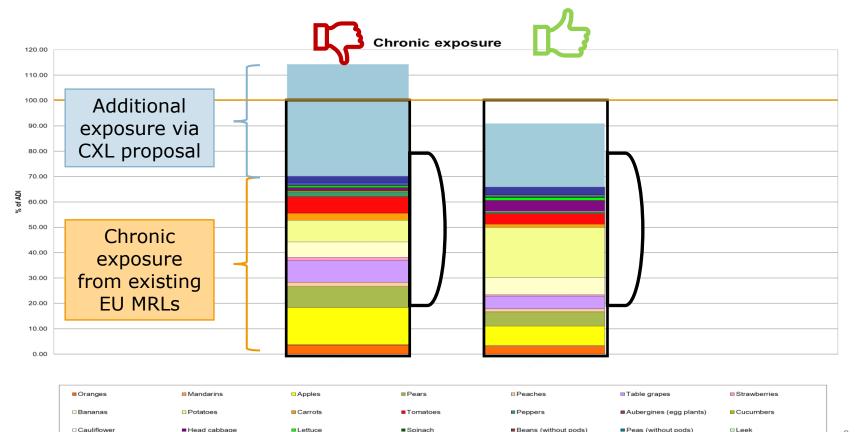
Chronic risk assessment: risk cup concept

Rve

Oats

■ Rice





■ Wheat

CXL proposal for kale

Reasons for EU reservations (1/2)





Ongoing evaluation of the a.s. in the EU

 depending on the outcome of EU assessment, CXLs may be implemented at a later stage



JMPR residue definition (RD) is not compatible with EU RD

• e.g. in EU RD additional metabolites are included



Residue definition derived by JMPR is not acceptable

• e.g. toxicological relevant compounds are not included in the RD derived by JMPR



MRL is higher than necessary

• due to different policy on setting group MRLs, extrapolation rules were not respected



Commodities do not comply with the EU crop description

• rice: EU sets MRL for husked rice; CXL for GC 0649 (rice) refers to rice with husks

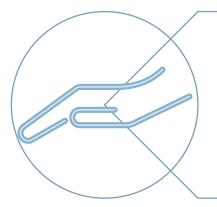
Reasons for EU reservations (2/2)





Data gaps in the dossier supporting Codex MRL, e.g.

- Lack of information on general toxicity of a.s. or of relevant metabolites
- Insufficient evidence to demonstrate the absence of genotoxicity of a.s./metabolites
- Insufficient data on plant metabolism or formation of degradation products under processing conditions
- Number of residue trials not compliant with the minimum number of studies defined in FAO manual



EFSA identifies possible consumer health risks

- EU risk cup is already full: no new MRLs can be added, unless other EU MRLs are lowered
- Risk identified using EU ADI/ARfD in risk assessment
- Different consumption data used in EU risk assessment (PRIMo rev. 3.1)
- Different variability factor used in EU (acute risk assessment, IESTI case 2a and 2b)

Discussion in CCPR meeting



EU supports advancement of CXLs

 Codex MRLs are implemented in EU legislation, translated to the corresponding EU food classification

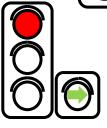


EU opposes the advancement

- •JMPR identified a possible consumer health concern
- •No advancement of Codex MRL proposal

EU introduces a reservation in CCPR

- •CXLs will not be implemented in EU legislation; implementation postponed (see next slide),
- •Codex MRL will advance in step procedure



EU provides comments on JMPR assessments

•EU shares observations or proposals for corrections

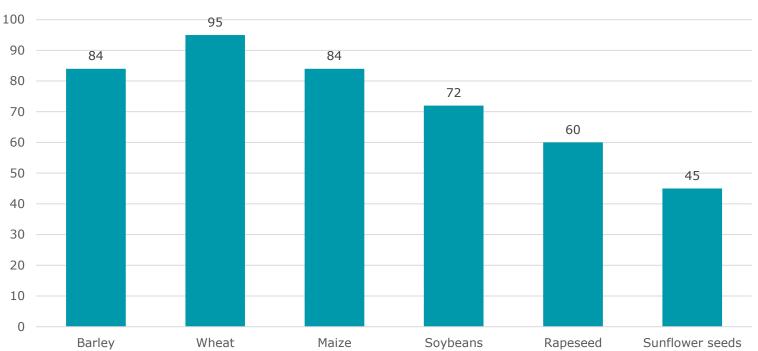


Statistics on implementation rate of CXLs



Example: cereals, oilseeds

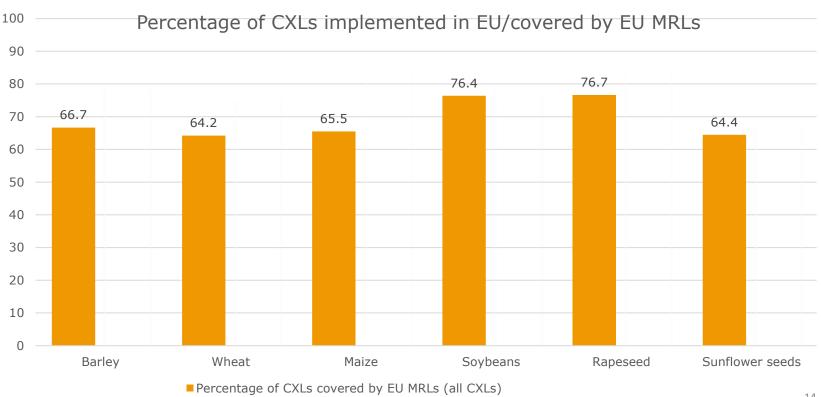
Number of Codex MRLs



Statistics on implementation rate of CXLs



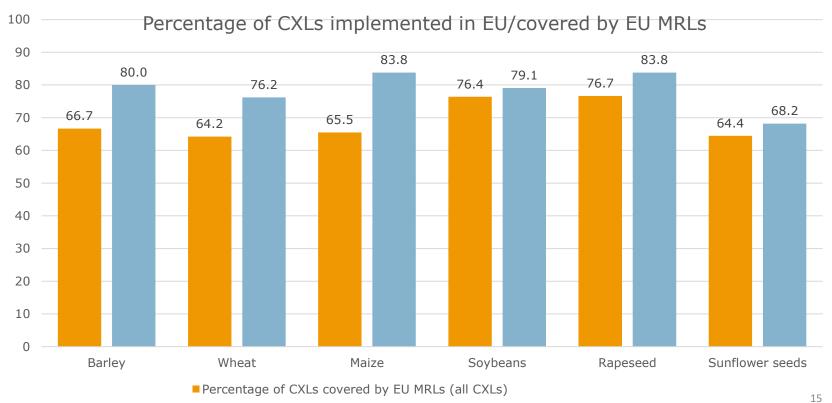
Example: cereals, oilseeds



Statistics on implementation rate of CXLs



Example: cereals, oilseeds



■ Percentage CXLs established within the last 10 years covered by EU MRLs



Conclusions

Well established process to decide whether CXLs can be taken over in EU legislation

Scientific assessment of EFSA serves as a basis to decide on EU position in CCPR

CXLs, for which EU supports advancement in CCPR/CAC, are implemented in EU legislation

CXLs implemented in EU legislation comply with the same scientific standards and policy principles as other EU MRLs

Open EU MRL legislation: Depending on the reasons for not implementing the CXLs, application for setting an import tolerance should be considered

