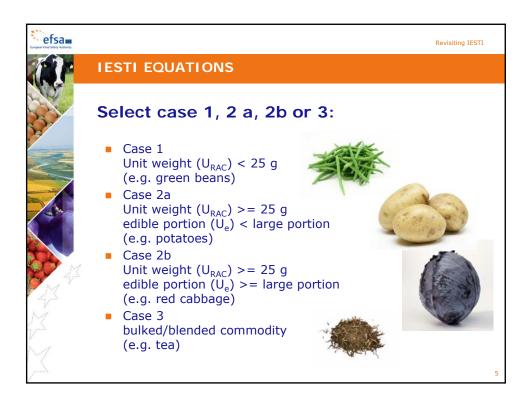
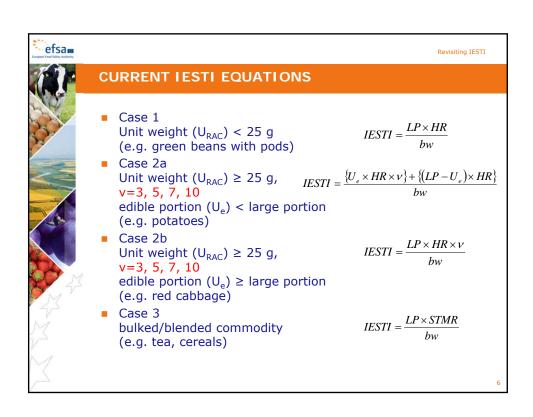
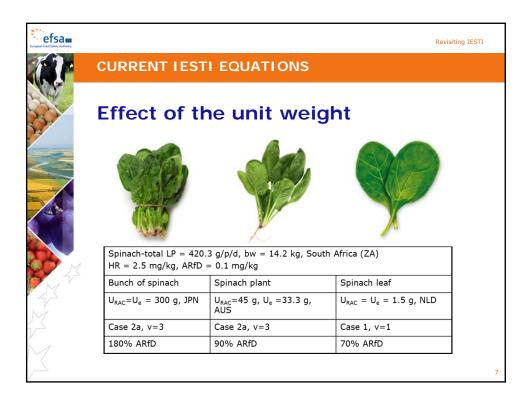


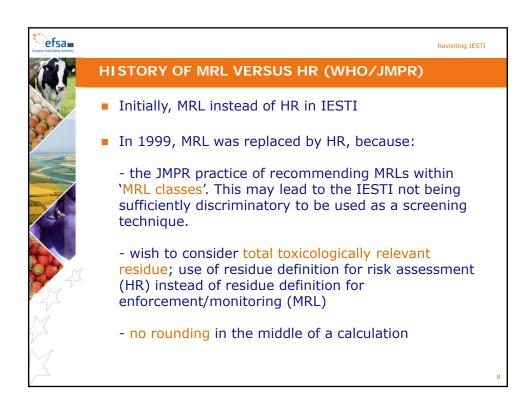
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Intake > ADI; ARfD REICH Hermine; 25-2-2016











Revisiting IESTI

HISTORY OF VARIABILITY FACTOR

- Definition for variability factor (v): 97.5th percentile of the residues present in single crop units divided by the mean residue of the lot
- 2002 JMPR: default factors of 3,5,7,10
 2003 JMPR: default factor 3; 2005 JMPR confirmed this (new data)
- Not accepted in EU; EFSA PPR Panel opinion 2005. Variability factor is itself variable, 3 is the mean of the distribution. How conservative do risk managers want to be?
- 2007 EFSA PPR opinion; influence of changing v on Level of Protection

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Revisiting IESTI

REASONS TO REVISIT IESTI - 1

- Check against current science and practicalities after
 15 years of use
- Communicating that the legal standards (MRLs) are assessed may contribute to building trust among the general audience
- Harmonizing the IESTI methodology will increase the acceptability of Codex MRLs and as such contribute to a level playing field in international trade.



Revisiting IESTI

REASONS TO REVISIT IESTI - 2

- Use of OECD MRL calculator and harmonised MRL classes:
 - MRLs are derived in the same way everywhere
 - using the MRL instead of the HR will no longer lead to different conclusions in different countries
- HR is based on a small dataset.
 - In reality, residue levels may vary outside the dataset. The 'OECD MRL calculation unrounded' is a statistically more reliable estimate of the highest residue. The OECD MRL calculation in many cases results in a level at approximately 2x the HR

1

Revisiting IESTI



2006/2007 JMPR RECOMMENDATIONS

for issues to address in a global workshop/consultation on IESTI

- Uncertainty and variability of the parameters
- Investigation of the practicalities of using the MRL
- Ways to improve the consumption, unit weight and bodyweight data
- Identification of additional subgroups of the population for which the assessment should be conducted, e.g. toddlers
- The adequacy of the IESTI/NESTI equations when residues from monitoring/enforcement are used
- How to improve the communication between risk assessors and risk managers and the public on the output of the risk assessment











IESTI EVENT GENEVA SEPT 2015

Conclusions workshop 8 + 9 sept.



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Revisiting IESTI

Revisiting IESTI

IESTI EVENT GENEVA SEPT 2015: WORKSHOP

Proposal for new IESTI equations

New IESTI equation replacing case 1 and case 3 of the current IESTI equation:

$$IESTI = LP_{bw} \times MRL \times CF \times PF$$

New IESTI equation replacing case 2a and case 2b of the current IESTI equation:

$$IESTI = LP_{bw} \times MRL \times \nu \times CF \times PF$$



IESTI EVENT GENEVA SEPT 2015: WORKSHOP

Main recommendations

- Replace the HR and STMR by the MRL in all cases of the IESTI equation
- Use a a default variability factor of 3
- Derive the P97.5 large portion from the distribution of consumption values expressed as g/kg body weight
- Proposal to remove the unit weight from the IESTI equations
- applicable to both MRL setting for individual commodities and enforcement purposes

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Revisiting IESTI

Revisiting IESTI

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TESTI EVENT GENEVA SEPT 2015: WORKSHOP

Future work - 1

- Develop a list of commodities for which the variability factor is not applicable
- Information on bulking and blending practices needs to be gathered.
- Further guidance on the derivation of conversion factors is needed (OECD?)
- Conversion factors and processing factors should be made publicly available by the risk assessors in a database.



Revisiting IESTI

IESTI EVENT GENEVA SEPT 2015: WORKSHOP

Future work - 2

- Develop a harmonized and comprehensive list of commodities and certain pre-defined processed commodities for which large portion data need to be derived
- Develop a harmonized list or database compiling the large portions for the different diets at global level. Data should comply with agreed quality criteria.
- Further guidance on how to derive a large portion is required.

2

Revisiting IESTI



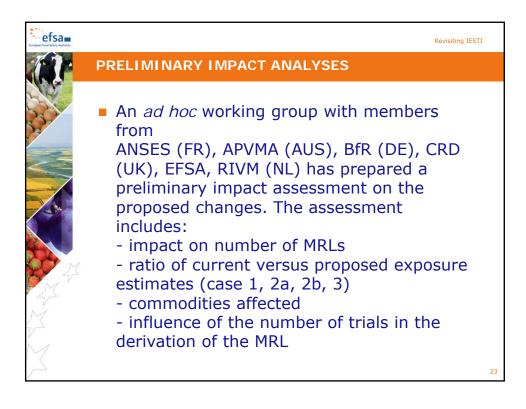
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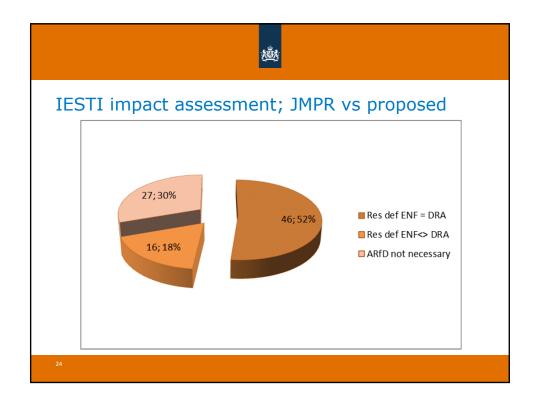
Info on Stakeholder meeting + workshop + presentations given:

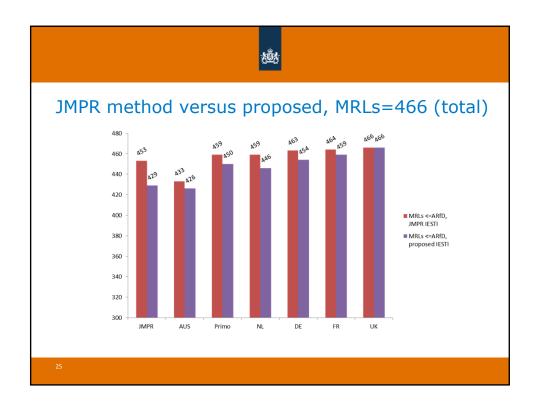
http://www.efsa.europa.eu/en/events/even t/150907

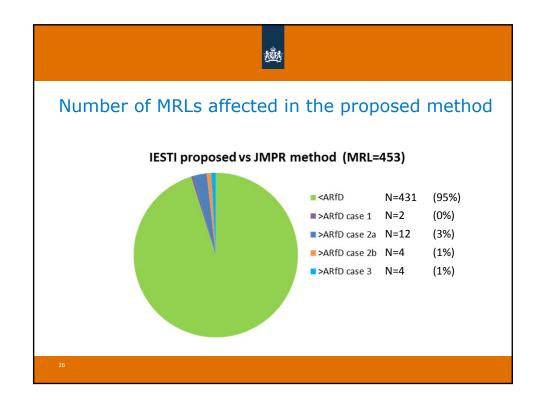
Event Report:

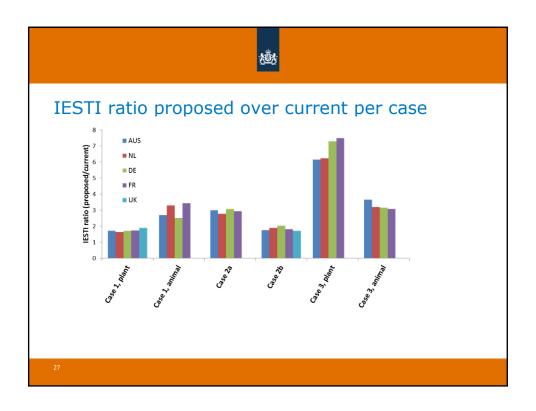
http://www.efsa.europa.eu/en/supporting/pub/907e













Impact of changes in IESTI calculations: use of the residue data from EU Art 12 review

	Acute risk not identified anymore	MRL lost	Unchanged conclusion	No comparison possible	TOTAL	
New IESTI /IESTI_pers_EU	29	178	16664	23559	40430	
New IESTI /IESTI_pers_JMPR	1	268	16602	23559	40430	
New IESTI /IESTI_calc_EU	47	203	21072	19108	40430	
New IESTI /IESTI_calc_JMPR	0	320	21002	19108	40430	
		25000 20000 15000 10000 5000				■ Unchanged conclusion ■ MRL lost
			New IESTI /IESTI_pers_EU	New IESTI /IESTI_pers_JMPR	New IESTI /IESTI_calc_EU	New IESJI acute risk not identified anymore anymore

