







Scientific Panel on Plant
Protection Product and their
Residues (PPR) &
methodological development

- > Opinions
- > Guidance documents
- > Ad-hoc mandates

Coordinates the Peer Review of active substances



Pesticides Steering Network
Pesticides Monitoring Network

Maximum Residue Levels &

Consumers risks

Provides **Conclusions** and **Technical reports** for single active substances to support the EU decision-makers

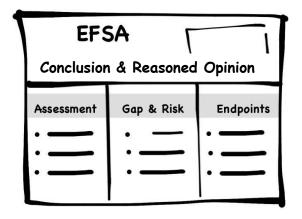
- > MRL Reasoned Opinions
- Annual reports: CODEX & residues monitoring

PESTICIDES PEER-REVIEW & MRL PROCESSES











TIME LINE

P-R FINAL RA

DRAFT RA

LIST OF ENDPOINTS SCIENTIFIC ASSESSMENT

RM DECISION

PROPOSAL

EVALUATION REPORT





CONCLUSION & REASONED OPINIONS

- Conclusions on Pesticides*
 - Identity and Phys/Chem properties
 - Mammalian Toxicology & non dietary health risks
 - Residues & Consumers risks
 - Environmental Fate and Behaviour
 - Ecotoxicology & environmental risks
- Reasoned Opinions on MRLs & Annual reports:
 - Residues & Consumers risks



Authority

efsa



Final addendum to the Draft Assessment Report (DAR)

*Some conclusions are limited to one or more areas





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The Peer-Review Process Dossier 1. Commenting phase submission Openness & transparency **PEER REVIEW** 2. Evaluation of comments EFSA, RapporteurMS, 3. Expert's consultation other MSs. **EU** Commission, **EFSA** Notifier, Public Conclusion **EFSA Risk Commission +MSs Assessment** Standing Committee on Plants, Animals, Food and Feed **EFSA Approval/Non Approval** D/RAR Draft/Review **Assessment** National authorisation PPP by MSs Report





EFSA PEER-REVIEW OUTPUTS

Conclusions on Pesticides

- New active substances
- AIR-II and III renewals
- Confirmatory data
- Reviews under Art 21

Technical reports

- Basic substances
- Confirmatory data



Assessment of Endocrine Disruption Recurrent issues: Ecotoxicology, Toxicology





SPECIFIC REQUEST FROM EC

Recently published

- Risk of neonicotinoids foliar uses to bees
- Diflubenzuron (metabolite 4-chloroaniline)
- Call for data for Risk assessment for bees
- Protocol of assessing the need of herbicides to control serious danger to plant health

On going and new requests

- Need to control serious danger to plant health (e.g. flumioxazin)
- Protocol of assessing the need of insecticides to control serious danger to plant health
- Assessment of negligible (human) exposure for flupyrsulfuron-methyl, pymetrozine
- Updated risk of neonicotinoids/fipronil to bees
- Risk of glyphosate for animal health





HAZARD BASED APPROVAL CRITERIA

Annex II, Regulation 1107/2009

- Is or has to be classified as
 - Mutagen category 1A and 1B
 - Carcinogen category 1A and 1B
 - Toxic for reproduction category 1A and 1B
- Has endocrine properties which may cause adverse effects on humans
- Is a persistent organic pollutant (POP)
- Is persistent, bioaccumulative and toxic (PBT) or very-P and very-B (<u>vPvB</u>)
- Has endocrine properties which may cause adverse effects on the environment





EXCEPTIONAL APPROVAL HAZARDOUS PESTICIDE A.S.

- Carcinogen Category 1A or 1B
- Toxic to reproduction Category 1A or 1B
- Endocrine properties which may cause adverse effects on humans

"unless the exposure of humans under realistic proposed conditions of use, is negligible".

- Carcinogen Category 1B with threshold
- Endocrine properties which may cause adverse effects on humans or non-target organisms

<u>"is necessary to control a serious danger to </u> plant health which cannot be contained by other available means"





NEGLIGIBLE EXPOSURE – FIRST CASES

- EC mandates EFSA to provide scientific assistance as regards the consideration of whether exposure of humans to a.s. under realistic proposed conditions of use, can be considered negligible.
 - Flupyrsulfuron-methyl (Interim ED based on EFSA) proposal)
 - Pymetrozine (interim ED based on EFSA proposal + harmonised)
 - ✓ Addendum on Negl. Exposure prepared by RMS
 - ✓ Procedure established (EFSA to deliver its conclusion within 3) months from the receipt of the evaluation by RMS)
 - ✓ Template for the conclusion on the NE available



ARTICLE 4(7)

- Evaluation of data concerning the necessity of the application of herbicide a.s. to control a serious danger to plant health
 - Ongoing application: flumioxazin Art. 4(7)
- EFSA established an ad hoc WG who proposed a methodology. Discussion with MS and EC (PSN, 10 March 2016).

Protocol for evaluation of data concerning the necessity of the application of herbicide a.s. to control a serious danger to plant health which cannot be contained by other available means, including non-chemical methods.

http://onlinelibrary.wiley.com/doi/10.2903/sp.efsa.201 6.EN-1060/abstract





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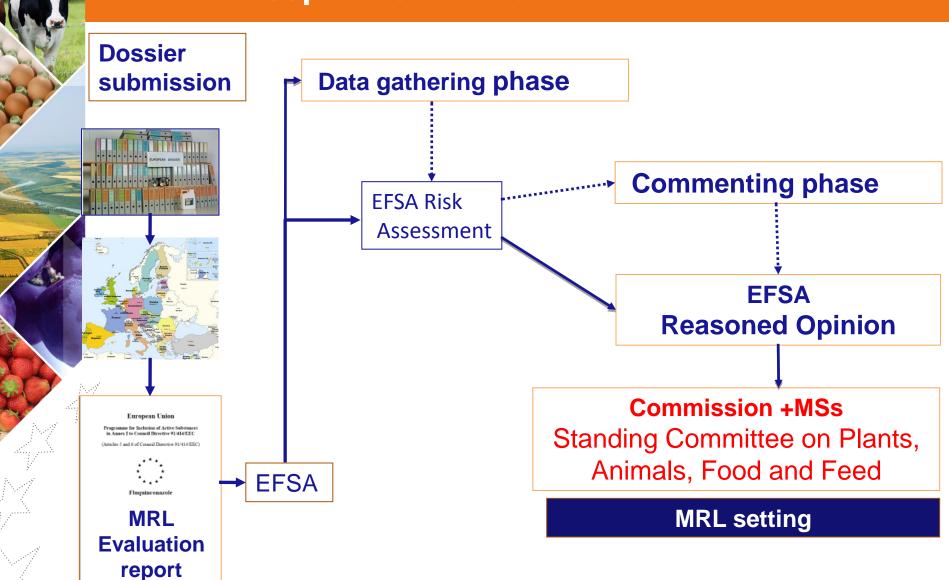
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Scientific Cooperation: MRLs







MRL ACTIVITIES

- Reasoned opinions on new proposals/modifications of existing MRL
 - Based on applications
- Reasoned opinions reviewing MRLs for approved/non-approved active substances
 - Based on work programme agreed at the PSN Link
- Reasoned opinions for ad-hoc EC Request under Art. 43
 - Dimethoathe, omethoate, coumafos, permethrin, oxytetracycline, streptomicin, flumequine, amitraz, thiabendazole, chlorpyrifos, atrazine, metalaxyl (-M), λcyhalothrin,...





- New calculators covering new data requirements
- New Templates for Reasoned Opinions
 - Methods of analysis
 - Residues nature and magnitude
 - Consumers risk assessment
 - MRL proposal
 - Evaluation reports &
 PRIMO risk assessments published as background documents





 EFSA/FAO/WHO Workshop and Stakeholder Consultation on: Revisiting the International Estimate of Short-Term Intake (IESTI equations) used to estimate the acute exposure to pesticide residues via food







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ANNUAL SCIENTIFIC REPORTS ON PESTICIDES RESIDUES

International harmonisation & Post-marketing monitoring

- Scientific support for EU
 Codex Committee on
 Pesticide Residues (CCPR)
 - General issues
 - Assessment of individual substances
 - Toxicological reference values
 - Residue definitions
 - CODEC MRL proposals
 - Consumers risk assessment
 - Published on Q3

- Annual Report on Pesticides Monitoring
- Compiles and report the MS monitoring programmes
 - Interactive report



- Results of the EU coordinated programme
- Results of the National control programme
- Dietary exposure and dietary risk assessment





COOPERATION ACTIVITIES ON PESTICIDES R.A.

- EU wide: Pesticide Steering Network
 - Standard and dedicated meetings
 - Documents available upon request
- EFSA-MSs
 - Cumulative assessment, Operators-Workers, Epidemiology, microbial pesticides, co-formulants, plant-health,...
- EU-Bodies
 - Cooperation with EU Joint Research Centre
 - Environmental variability and modelling
 - Cooperation with ECHA on C&L, biocides, endocrine disruptors,...
 - ECHA-EFSA Topical Scientific Workshops
- International organisations
 - EFSA/WHO/FAO workshop on acute exposure estimations for consumers risk assessment, September 2015
 - EFSA/OECD workshop on developmental neurotoxicity





IN SUMMARY

Panel + Unit staff + 2 MS networks

Methodological developments

- Scientific opinions
- Guidance
- Panel statements

PPR Team

Same procedures as other

EFSA units

Full scientific assessment of active substances

- Conclusions on pesticides
- **Technical reports**

Ad-hoc assessments under request by EC

- **Conclusions**
- **Statements**
- Scientific reports

Peer Review Teams

Specific workflows according to legal procedures involving MSs and FD decision

Proposals for setting Maximum Residue Levels (MRLs)

Reasoned Opinions

Annual report support to CODEX on MRLs

Annual Report on residues monitoring

MRL Team 1

Specific workflows & legislation involving MSs

MRL Team 2

Specific annual activities





SCIENTIFIC OUTPUTS

Adopted in 2015 - 2016 (Jan-Aug)

