



European
Crop Protection

Re-calibration of the earthworm tier 1 risk assessment of plant protection products – an update

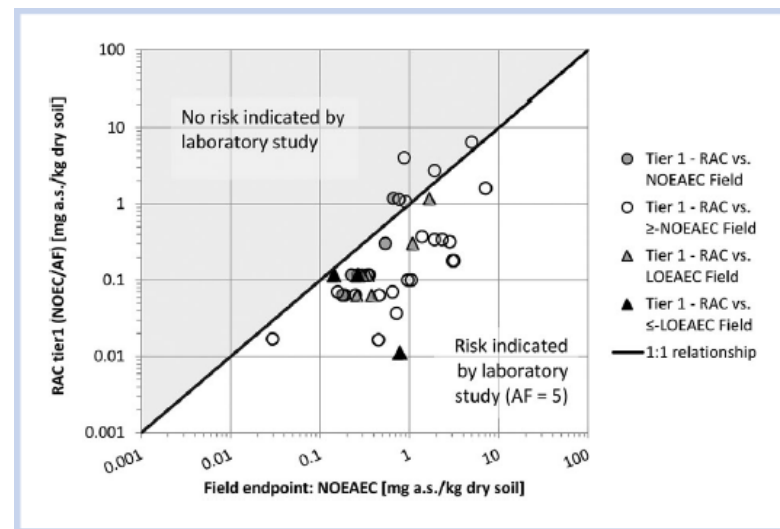
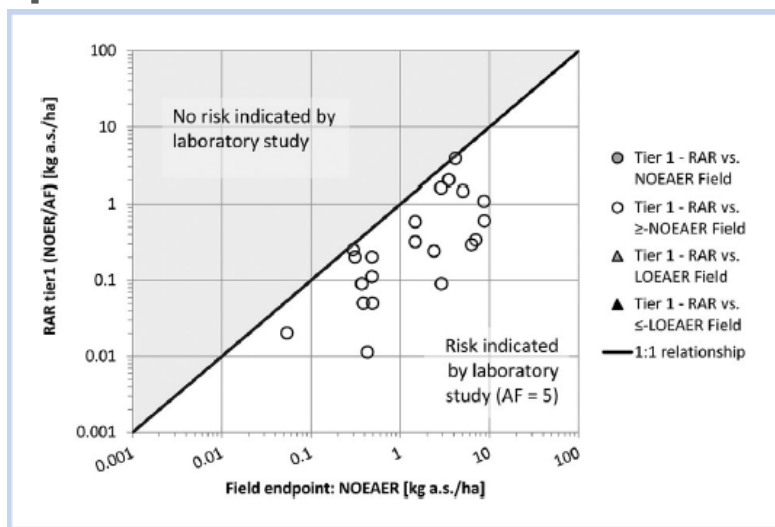
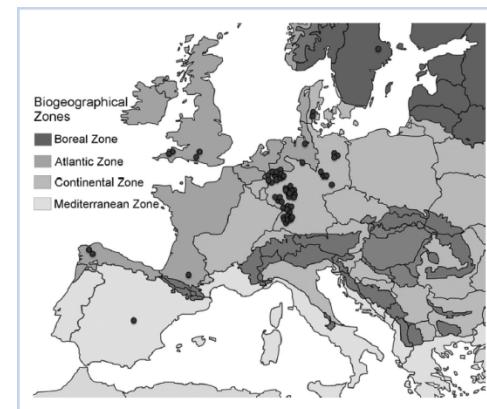
Spotlight presentation for Poster: [TH155](#)

May 17th, 2018

Gregor Ernst (on behalf of ECPA)

Earthworm tier 1 risk assessment calibration

- Christl et al. 2016 (IEAM 12 (4) 643-650)
- Representative dataset of 54 case studies
- SPG: Recovery within 12 months
- TER Trigger value of 5 + PECsoil (0-5 cm) provides conservative tier 1 RA



Changing the rules triggers an update of tier 1 calibration

TECHNICAL REPORT



APPROVED: 18 December 2015

PUBLISHED: 22 December 2015

Outcome of the pesticides peer review meeting on general recurring issues in ecotoxicology

European Food Safety Authority

Abstract

This technical report is reflecting the outcome of the ecotoxicology experts' meeting on general recurring issues noted during the EFSA peer reviews of active substances. The main issues identified were related to the risk assessment to mammals, aquatic organisms, bees and soil organisms. General issues related to the new available scientific knowledge (e.g. new EFSA guidance documents and EFSA Opinions of the Panel on Plant Protection Products and their Residues (PPR)) and to the new data requirements were also discussed.

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Key words: pesticides, peer review, EFSA conclusion, ecotoxicology

SCIENTIFIC OPINION




ADOPTED: 15 December 2016


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Scientific Opinion addressing the state of the science on risk assessment of plant protection products for in-soil organisms

EFSA Panel on Plant Protection Products and their Residues (PPR),
Colin Ockelford, Paulien Adriaanse, Philippe Berry, Theodorus Brock, Sabine Duquesne,
Sandro Grilli, Antonio F Hernandez-Jerez, Susanne Hougaard Bennekou, Michael Klein,
Thomas Kuhl, Ryszard Laskowski, Kyriaki Machera, Olavi Pelkonen, Silvia Pieper,
Michael Stemmer, Ingvar Sundh, Ivana Teodorovic, Aaldrik Tiktak, Chris J. Topping,
Gerrit Wolterink, Peter Craig, Frank de Jong, Barbara Manachini, Paulo Sousa,
Klaus Swarowsky, Domenica Auteri, Maria Arena and Smith Rob

 **logP correction of lab NOECs as well for studies using 5% peat in artificial soil**

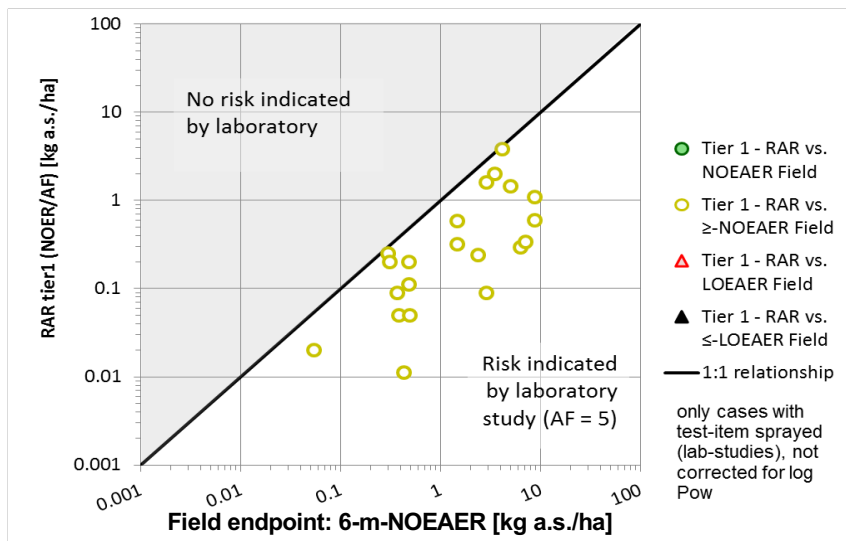
 **Leads to more conservative tier 1**

 **EFSA proposal for new SPG: Maximum acceptable recovery time of 6 months**

→ **Checking impact on calibration with dataset of Christl et al. (2016)**

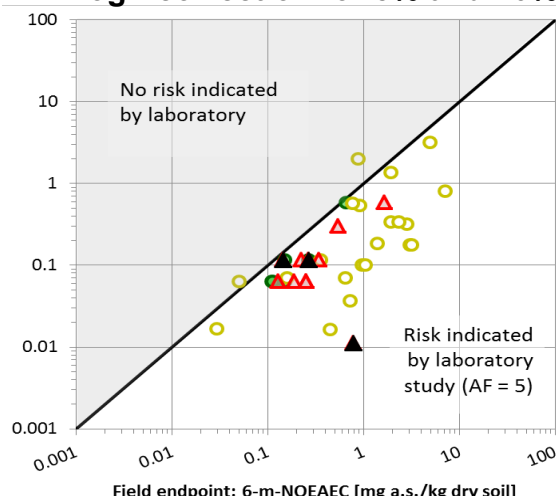
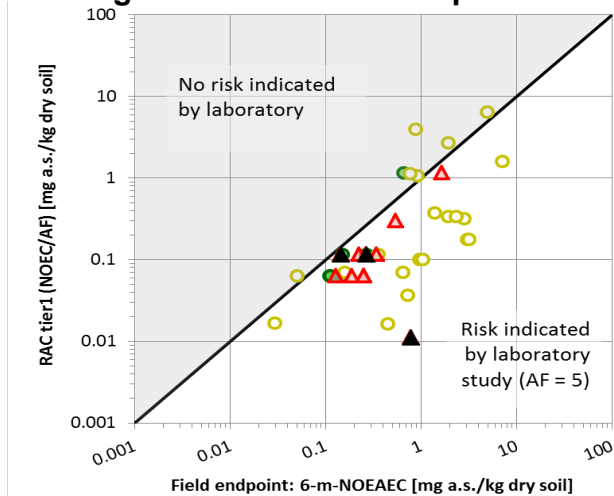
Results

- Considering the proposed maximum recovery time of 6 months as SPG would not lead to different outcome of the calibration
- logP correction changes some data points, but is considered not necessary to having a conservative tier 1



logP correction for 10% peat studies

logP correction for 5% and 10% peat studies



→ **TH155**

Would be a pleasure seeing you there !!