

COMMENTARY

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Statement to Kössler et al. 2019 and 2020 regarding the evaluation of the ecotoxicity of nitrification inhibitors using terrestrial and aquatic test organisms

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Abstract

In this paper, the correct composition of Vizura is given and a note that the founded results concerning ecotoxicity of Vizura are of no relevance for the recommended application rates for Vizura.

Keywords: Vizura, DMPP, Nitrification inhibitor, Ecotoxicity

Statement

1. In both papers of Kössler et al. [1, 2] the information on the product composition of Vizura is incorrect. Vizura does not contain 1,2,4-triazol [1] (corrected in [2]) nor 1H-pyrazole [2]. Vizura is a liquid formulation of 14% w/w 3,4-dimethylpyrazole phosphate in phosphoric acid and water.
2. Kössler et al. [1] are not using the recommended use rate of Vizura. The minimum test concentrations used in the different ecotoxicity tests in Kössler et al. [1] are higher than the DMPP concentration applied in agricultural practice with Vizura. Therefore, the results of Kössler et al. [1] concerning ecotoxicity of Vizura are of no relevance for the recommended application rates for Vizura used according to good agricultural practice.

Abbreviation

DMPP: 3,4-Dimethylpyrazole phosphate.

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Competing interests

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2. Köstler JE, Calvo OC, Franzaring J, Fangmeier A (2020) Correction to: Evaluating the ecotoxicity of nitrification inhibitors using terrestrial and aquatic test organisms. *Environ Sci Eur* 32:56

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