

Modification of the existing maximum residue levels for acetamiprid in leafy brassicas

European Food Safety Authority (EFSA)

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Abstract

In accordance with Article 6 of Regulation (EC) No 396/2005, the evaluating Member State (EMS), Germany, received an application from Nisso Chemical Europe to modify the existing maximum residue levels (MRL) for the active substance acetamiprid in leafy brassica (Chinese cabbages, kales). In order to accommodate for the intended uses of acetamiprid, Germany proposed to raise the existing MRLs from the limit of quantification of 0.01 mg/kg to 1.5 mg/kg. Germany drafted an evaluation report in accordance with Article 8 of Regulation (EC) No 396/2005, which was submitted to the European Commission and forwarded to EFSA. The intended use on leafy brassica is adequately supported by residue data but no MRL is recommended by EFSA since an acute consumer intake concern cannot be excluded when considering the acute reference dose for acetamiprid proposed by the EFSA PPR panel in a previous assessment.

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The submitted supervised residue trials would be sufficient to derive an MRL proposal of 1.5 mg/kg on leafy brassica, however since an acute risk for the consumers cannot be excluded, EFSA does not recommend changing of the MRL for the crops under consideration.

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The consumer risk assessment calculations were performed considering the current and the new recommended toxicological reference values, respectively. No long term consumer intake concerns were identified, the highest chronic intake accounting for 18 % of the ADI (DE child) while an acute consumer intake concern was identified using the more conservative toxicological reference value of 0.025 mg/kg bw, accounting 197 % of the ARfD for kales and 108 % for Chinese cabbages.

Consequently, EFSA does not recommend changing the MRL for leafy brassicas (Chinese cabbage and kales) since an acute intake concern cannot be excluded for consumers.

EFSA proposes to maintain the existing MRLs at the LOQ value of 0.01 mg/kg, as reported in the summary table below.

Code ^(a)	Commodity	Existing EU MRL (mg/kg)	Proposed EU MRL (mg/kg)	Comment/Justification
Enforcement residue definition: Acetamiprid				
0243010	Chinese cabbages	0.01*	No proposal	An MRL is not recommended by EFSA as an acute intake concern for consumers cannot be excluded, using the ARfD value proposed by the EFSA PPR Panel in 2013 (108 % and 197 % of the ARfD for kales and Chinese cabbages).
0243020	Kales	0.01*	No proposal	

(a): Commodity code number according to Annex I of Regulation (EC) No 396/2005

(*): indicates that the MRL is set at the limit of analytical quantification (LOQ)

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