

Decision on amending the MRLs for flonicamid in/on various root crops

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Background

Competent authority

The risk assessment associated with amending the MRLs for Great Britain has been conducted by the Chemicals Regulation Division (CRD) of the Health and Safety Executive (HSE).

Application

Flonicamid is an approved active substance in Great Britain.

In accordance with Article 6 of Regulation (EC) No 396/2005¹, HSE received an application from the Agriculture and Horticulture Development Board (AHDB) to amend the existing MRLs for the active substance flonicamid in or on various root crops.

HSE as the competent authority drew up an Evaluation Report (ER) that included the assessment of the risk to consumers associated with amending the MRLs. The ER was submitted to the European Food Safety Authority and a Reasoned Opinion (RO) was delivered, prior to the 1st January 2021², recommending the MRLs proposed by HSE.

Conclusion of the competent authority on the risk assessment

The competent authority concluded that the proposed use of flonicamid on various root crops will not result in consumer exposures exceeding the toxicological reference values and therefore is unlikely to have harmful effects on human health. This conclusion is supported by the RO published by the European Food Safety Authority.

Full details of the assessment, including the dietary exposure estimates and the list of endpoints, are outlined in the RO.

Decision on the application to amend the MRLs

In accordance with Article 14 of Regulation (EC) No 396/2005¹, the MRLs outlined in table 1 will be amended in the GB MRL Statutory Register.

Table 1: MRLs to be amended in the GB MRL Statutory Register

Product Code	Product/commodity	Existing GB MRL (mg/kg)	New or amended GB MRL (mg/kg)	Comment
Enforcement residue definition for products of plant origin: sum of flonicamid, TFNA and TFNG expressed as flonicamid				
0213010	Beetroots	0.03*	0.3	The MRL is derived by the extrapolation of the residue trials conducted on carrots. A risk to consumers is unlikely.
0213020	Carrots	0.03*	0.3	The MRL is sufficiently supported by data. A risk to consumers is unlikely.
0213030	Celeriacs/turnip rooted celeries	0.03*	0.3	The MRLs are derived by the extrapolation of the residue trials conducted on carrots. A risk to consumers is unlikely.
0213040	Horseradishes	0.03*	0.3	
0213050	Jerusalem artichokes	0.03*	0.3	
0213060	Parsnips	0.03*	0.3	
0213070	Parsley roots/ Hamburg roots parsley	0.03*	0.3	
0213080	Radishes	0.03*	0.3	
0213090	Salsifies	0.03*	0.3	
0213100	Swedes/rutabagas	0.03*	0.3	
0213110	Turnips	0.03*	0.3	

* Indicates that the MRL is set at the limit of quantification/determination

The MRLs shall enter into force on the date as indicated in the [GB MRL Statutory Register](#).

All other MRLs remain unchanged in the Register.

Links to supporting documents

[EFSA RO on the modifications of the existing MRLs for flonicamid in various root crops](#)

The active substance and formulated product

Active substance

ISO common name	Flonicamid
Chemical name (IUPAC)	<i>N</i> -cyanomethyl-4-(trifluoromethyl)nicotinamide

Formulated product

Product name	Teppeki
Formulation type and code	Water dispersible granule (WG)
Active substance content	500 g/kg
Function	Insecticide
Effective against	Aphides
Field of use	Outdoor/GB
Application method	Foliar Spray

Full details of the Good Agricultural Practices (GAP) are outlined in Appendix 1.

Appendix 1: Good Agricultural Practice (GAP) table

PPP (product name and/or code): Teppeki
 Active substance: Flonicamid
 Applicant: AHDB

Crop and/or situation (a)	GB or Country For Import Tolerance	Product name	F or G or I (b)	Pests or Group of pests controlled (c)	Preparation		Application				Application rate per treatment			PHI (days) (m)	Remarks
					Type (d-f)	Conc. a.s. (i)	method kind (f-h)	range of growth stages & season (j)	number min-max (k)	Interval between application (min)	kg a.s./hL min-max (l)	Water (L/ha) min-max	kg a.s./ha min-max (l)		
Carrots Beetroots Celeriacs Horseradishes Jerusalem artichokes Parsnips Parsley roots Radishes Salsifies Swedes Turnips	GB	Teppeki	F	Aphids	WG	500 g/kg	Spraying	BBCH 00-49	2	14 days	0.0175 - 0.035	200 - 400	0.07	21	Use will be from May to October

(a) For crops, the GB and Codex classifications (both) should be taken into account; where relevant, the use situation should be described (e.g. fumigation of a structure)
 (b) State if the use is outdoor, field use (F) or glass house (G) or indoor use (I).
 (c) e.g. biting and sucking insects, soil born insects, foliar fungi, weeds
 (d) e.g. wettable powder (WP), emulsifiable concentrate (EC), granule (GR)
 (e) CropLife International Technical Monograph no 2, 6th Edition. Revised May 2008. Catalogue of pesticide
 (f) All abbreviations used must be explained
 (g) Method, e.g. high volume spraying, low volume spraying, spreading, dusting, drench
 (h) Kind, e.g. overall, broadcast, aerial spraying, row, individual plant, between the plant- type of equipment used must be indicated

(i) g/kg or g/L. Normally the rate should be given for the active substance (according to ISO) and not for the variant in order to compare the rate for same active substances used in different variants (e.g. fluoroxypr). In certain cases, where only one variant is synthesised, it is more appropriate to give the rate for the variant (e.g. benthiavalicarb-isopropyl).
 (j) Growth stage range from first to last treatment (BBCH Monograph, Growth Stages of Plants, 1997, Blackwell, ISBN 3-8263-3152-4), including where relevant, information on season at time of application
 (k) Indicate the minimum and maximum number of applications possible under practical conditions of use
 (l) The values should be given in g or kg whatever gives the more manageable number (e.g. 200 kg/ha instead of 200 000 g/ha or 12.5 g/ha instead of 0.0125 kg/ha
 (m) PHI - minimum pre-harvest interval

Appendix 2: Additional information on this document

GB MRL Decision Number: GB MRL 2021/001

¹ Retained Regulation (EC) No 396/2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin (as it applies in Great Britain, pursuant to the European Union (Withdrawal) Act 2018 and European Union (Withdrawal Agreement Act 2020). Great Britain (“GB”) refers to England, Scotland and Wales.

² MRLs for ongoing applications are implemented using the transitional provisions outlined in Schedule 1, Part 3 of the S.I 2019 No. 557.