

## **REASONED OPINION**

# **Reasoned opinion on the modification of the existing MRLs for pymetrozine** in lamb`s lettuce and beans (with pods)<sup>1</sup>

## **European Food Safety Authority**<sup>2,</sup>

European Food Safety Authority (EFSA), Parma, Italy

#### ABSTRACT

In accordance with Article 6 of Regulation (EC) No 396/2005, the Netherlands, herewith referred to as the evaluating Member State (EMS), received an application from LTO Groeiservice to modify the existing MRLs for pymetrozine in lamb's lettuce and beans (with pods). In order to accommodate for the intended use of pymetrozine on these crops, the EMS proposed to raise the existing MRLs from 2 mg/kg to 15 mg/kg in lamb's lettuce and to 7 mg/kg in beans (with pods). The EMS drafted an evaluation report according to Article 8 of Regulation (EC) No 396/2005, which was submitted to the European Commission and forwarded to EFSA. According to EFSA, the residue trials on lamb's lettuce and beans (with pods) were not valid because the samples were stored for a period for which integrity of the samples is not guaranteed. The proposal to compensate for the potential loss of residues during storage by applying a correction factor is not acceptable because the instability of pymetrozine residues in watery matrices is not only affected by the nature of the crop, but might depend also on other factors such as the preparation of samples and the design of the residue decline studies. EFSA therefore concludes that the available data are not sufficient to derive a MRL proposal for lamb's lettuce and beans (with pods) reflecting the intended GAP notified in this application.

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#### **KEY WORDS**

Pymetrozine, lamb's lettuce, beans (with pods), French beans, Regulation (EC) No 396/2005, consumer risk assessment, pyridine insecticide.

<sup>&</sup>lt;sup>1</sup> On request from European Commission, Question No EFSA-Q-2011-01266, approved on 22 October 2012.

<sup>&</sup>lt;sup>2</sup> Correspondence: pesticides.mrl@efsa.europa.eu

Suggested citation: European Food Safety Authority; Reasoned opinion on the modification of the existing MRLs for pymetrozine in lamb's lettuce and beans (with pods). EFSA Journal 2012;10(10):2939. [20 pp.] doi:10.2903/j.efsa.2012.2939. Available online: <a href="https://www.efsa.europa.eu/efsajournal">www.efsa.europa.eu/efsajournal</a>



## SUMMARY

In accordance with Article 6 of Regulation (EC) No 396/2005<sup>3</sup>, the Netherlands, herewith referred to as the evaluating Member State (EMS), received an application from LTO Groeiservice to modify the existing MRLs for pymetrozine in lamb's lettuce and beans (with pods). In order to accommodate for the intended use of pymetrozine on these crops, the EMS proposed to raise the existing MRLs from 2 mg/kg to 15 mg/kg in lamb's lettuce and to 7 mg/kg in beans (with pods). The EMS drafted an evaluation report according to Article 8 of Regulation (EC) No 396/2005, which was submitted to the European Commission and forwarded to EFSA on 29 November 2011. On 13 July 2012 some data requirements were identified, which prevented EFSA to conclude on the consumer risk assessment. An updated evaluation report, partially addressing those data requirements, was submitted by the EMS on 20 September 2012 and taken into consideration by EFSA for finalization of this reasoned opinion. It is noted that the MRL review for pymetrozine according to Article 12 of Regulation (EC) No 396/2005 has been recently finalized.

EFSA bases its assessment on the evaluation report submitted by the EMS Netherlands, the Draft Assessment Report (DAR) and its addendum prepared under Council Directive  $91/414/\text{EEC}^4$  by the Rapporteur Member State (RMS) Germany, the Review Report on pymetrozine and the EFSA reasoned opinion on the review of the existing MRLs for pymetrozine according to Article 12 of Regulation (EC) No 396/2005.

The toxicological profile of pymetrozine was evaluated in the framework of Directive 91/414/EEC, which resulted in an ADI and an ARfD being established at 0.03 mg/kg bw per day and 0.1 mg/kg bw, respectively.

The metabolism of pymetrozine in primary crops was investigated for foliar application on fruits, root vegetables, oil seeds and on cereals. Since the metabolic pathways were well identified and metabolic patterns in the different studies were shown to be similar, the risk assessment and enforcement residue definition was established in all plant commodities as parent pymetrozine. For the uses on lamb's lettuce and beans (with pods), EFSA concludes that the metabolism of pymetrozine is sufficiently addressed and the residue definitions as agreed in the peer review and confirmed in Article 12 MRL review are applicable.

The submitted supervised residue trials on lamb's lettuce and beans (with pods) were found to be not valid because the samples were stored for a period for which integrity of the samples is not guaranteed. The proposal to compensate for the potential loss of residues during storage by applying a correction factor taking into account the degradation, is not acceptable because the instability of pymetrozine residues in watery matrices is not only affected by the nature of the crop, but might depend also on other factors such as the preparation of samples and the design of the residue decline studies (spiked/incurred residues). EFSA therefore concludes that the available data are not sufficient to derive a MRL proposal for lamb's lettuce and beans (with pods) reflecting the intended GAP notified in this application.

No studies are available investigating the nature and magnitude of pymetrozine residues in processed commodities. The residue behaviour in rotational crops and in livestock was assessed in the framework of the Article 12 MRL review and no further data are available which require a revision.

The dietary risk assessment for pymetrozine residues reflecting the existing authorized uses has been assessed in the framework of the Article 12 MRL review. Since no modification of the MRLs for lamb's lettuce and beans (with pods) is proposed, there is no need to update this risk assessment.

EFSA concludes that the available data are insufficient to make a proposal to modify the MRL for pymetrozine in lamb's lettuce and beans (with pods).

<sup>&</sup>lt;sup>3</sup> Regulation (EC) No 396/2005 of the Parliament and of the Council of 23 February 2005. OJ L 70, 16.03.2005, p. 1-16.

<sup>&</sup>lt;sup>4</sup> Council Directive 91/414/EEC of 15 July 1991. OJ L 230, 19.08.1991, p. 1-32.



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## BACKGROUND

Regulation (EC) No 396/2005 establishes the rules governing the setting of pesticide MRLs at European Union level. Article 6 of that Regulation lays down that any party having a legitimate interest or requesting an authorisation for the use of a plant protection product in accordance with Council Directive 91/414/EEC, repealed by Regulation (EC) No 1107/2009, shall submit to a Member State, when appropriate, an application to modify an MRL in accordance with the provisions of Article 7 of that Regulation.

The Netherlands, hereafter referred to as the evaluating Member State (EMS), received an application from the company LTO Groeiservice<sup>5</sup> to modify the existing MRLs for the active substance pymetrozine in lamb's lettuce and beans (with pods). This application was notified to the European Commission and EFSA and subsequently evaluated by the EMS in accordance with Article 8 of the Regulation. After completion, the evaluation report was submitted to the European Commission who forwarded the application, the evaluation report and the supporting dossier to EFSA on 29 November 2011.

The application was included in the EFSA Register of Questions with the reference number EFSA-Q-2011-01266 and the following subject:

Pymetrozine - Application to modify the existing MRLs in lamb's lettuce and beans (with pods).

The EMS proposed to raise the existing MRL for pymetrozine in lamb's lettuce and beans (with pods) from 2 mg/kg to 15 mg/kg and 7 mg/kg, respectively.

On 13 July 2012 some data requirements were identified, which prevented EFSA to conclude on the consumer risk assessment. An updated evaluation report, partially addressing those data requirements, was submitted by the EMS on 20 September 2012 and taken into consideration by EFSA for finalization of this reasoned opinion.

EFSA proceeded with the assessment of the application and the evaluation report as required by Article 10 of the Regulation.

#### **TERMS OF REFERENCE**

In accordance with Article 10 of Regulation (EC) No 396/2005, EFSA shall, based on the evaluation report provided by the evaluating Member State, provide a reasoned opinion on the risks to the consumer associated with the application.

In accordance with Article 11 of that Regulation, the reasoned opinion shall be provided as soon as possible and at the latest within three months (which may be extended to six months where more detailed evaluations need to be carried out) from the date of receipt of the application. Where EFSA requests supplementary information, the time limit laid down shall be suspended until that information has been provided.

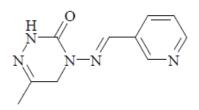
In this particular case the calculated deadline for providing the reasoned opinion is 8 May 2012.

<sup>&</sup>lt;sup>5</sup> LTO Groeiservice, Postbus 183, 2665 ZK, Bleiswijk, The Netherlands



#### THE ACTIVE SUBSTANCE AND ITS USE PATTERN

Pymetrozine is the ISO common name for (*E*)-4,5-dihydro-6-methyl-4-(3-pyridylmethyleneamino)-1,2,4-triazin-3(2*H*)-one (IUPAC).



Pymetrozine belongs to the group of pyridine compounds which are used as insecticides. It is a systemic insecticide with selective properties against *Homoptera* by blocking the feeding of the insects. Pymetrozine is used to control aphids and whitefly in various crops.

Pymetrozine was evaluated in the framework of Directive 91/414/EEC with Germany being the designated rapporteur Member State (RMS). The representative uses supported for the peer review process were foliar applications on a wide range of crops. Following the peer review, a decision on inclusion of the active substance in Annex I to Directive 91/414/EEC was published by means of Commission Directive 2001/87/EC<sup>6</sup>, entering into force on 01 November 2001. According to Regulation (EU) No 540/2011<sup>7</sup>, pymetrozine is approved under Regulation (EC) No 1107/2009<sup>8</sup>. This approval is restricted to uses as insecticide only. As EFSA was not yet involved in the peer review of pymetrozine, a conclusion of EFSA on this active substance is not available.

The EU MRLs for pymetrozine are established in Annexes II and IIIB of Regulation (EC) No 396/2005. Since the entry into force of that regulation, EFSA recommended the modification of the existing MRLs for spinach and similar leaves (EFSA, 2010) which was legally implemented in Regulation (EU) No 524/2011<sup>9</sup>. Recently EFSA has finalized a MRL review for pymetrozine according to Article 12 of Regulation (EC) No 396/2005 (hereafter- Article 12 MRL review) (EFSA, 2012).

All existing EU MRLs, which are established for the parent compound only, are summarized in Appendix B to this document. In this appendix also the MRLs recommended in the framework of the Article 12 MRL review are reported. The existing EU MRLs for lamb's lettuce and beans (with pods) are set at 2 mg/kg. CXLs for pymetrozine are not available.

The details of the intended GAPs for pymetrozine on lamb's lettuce and beans (with pods) are given in Appendix A.

<sup>&</sup>lt;sup>6</sup> Commission Directive 2001/87/EC of 12 October 2006, OJ L 276, 19.10.2001, p. 17-20.

<sup>&</sup>lt;sup>7</sup> Regulation (EU) No 540/2011 of 25 May 2011, OJ L 153, 11.6.2011, p. 1-186.

<sup>&</sup>lt;sup>8</sup> Regulation (EC) No 1107/2009 of 21 October 2009, OJ 309, 24.11.2009, p. 1–50.

<sup>&</sup>lt;sup>9</sup> Regulation (EU) 524/2011 of 26 May 2011, OJ L 142, 28.5.2011, p. 1–56.



## ASSESSMENT

EFSA bases its assessment on the updated evaluation report submitted by the EMS (The Netherlands, 2011), the Draft Assessment Report (DAR) and its addendum prepared under Council Directive 91/414/EEC (Germany, 1998, 2000), the Review Report on pymetrozine (EC, 2002), the previous reasoned opinion on pymetrozine (EFSA, 2010) and the EFSA reasoned opinion on the review of the existing MRLs for pymetrozine according to Article 12 of Regulation (EC) No 396/2005 (EFSA, 2012). The assessment is performed in accordance with the legal provisions of the Uniform Principles for the Evaluation and the Authorisation of Plant Protection Products adopted by Commission Regulation (EU) No 546/2011<sup>10</sup> and the currently applicable guidance documents relevant for the consumer risk assessment of pesticide residues (EC, 1996, 1997a, 1997b, 1997c, 1997d, 1997e, 1997f, 1997g, 2000, 2010a, 2010b, 2011; OECD, 2011).

## 1. Method of analysis

### **1.1.** Methods for enforcement of residues in food of plant origin

According to the Article 12 MRL review, parent pymetrozine can be enforced in food of plant origin with an LOQ of 0.02 mg/kg in high water content commodities (EFSA, 2012). It is thus concluded that adequate analytical enforcement methods are available to control pymetrozine residues in lamb's lettuce and beans (with pods).

### **1.2.** Methods for enforcement of residues in food of animal origin

Analytical methods for the determination of residues in food of animal origin are not assessed in the current application, since the crops under consideration are normally not fed to livestock.

### 2. Mammalian toxicology

The toxicological assessment of pymetrozine was peer reviewed under Directive 91/414/EEC and toxicological reference values were established by the European Commission (2002). These toxicological reference values are summarized in Table 2-1.

	Source Year		Value	Study relied upon	Safety factor
Pymetrozi	ne				
ADI	EC	2002	0.03 mg/kg bw per day	dog, 90 d and 1yr studies	100
ARfD	EC	2002	0.1 mg/kg bw	rabbit, developmental tox. study; rat, 28-d gavage study	100

## **Table 2-1.**Overview of the toxicological reference values

#### 3. Residues

## **3.1.** Nature and magnitude of residues in plant

#### **3.1.1. Primary crops**

#### 3.1.1.1. Nature of residues

The metabolism of pymetrozine in primary crops was investigated for foliar application on fruits (tomatoes), root vegetable (potatoes), oil seeds (cotton) and on cereals (rice) using [triazine- $6^{-14}$ C] and

<sup>&</sup>lt;sup>10</sup> Commission Regulation (EU) No 546/2011 of 10 June 2011. OJ L 155, 11.06.2011, p. 127-175.



[pyridine-5-<sup>14</sup>C] labelled pymetrozine (Germany, 1998, 2000). Study characteristics and results are discussed in detail in the EFSA reasoned opinion on the Article 12 MRL review (EFSA, 2012).

The Article 12 MRL review confirmed that the basic degradation route of pymetrozine is similar in all crops investigated. Therefore, a general metabolic pathway is proposed for all plants. Based on these studies, the residue definition for both enforcement and risk assessment in all crop groups is confirmed as pymetrozine only. The Article 12 MRL review noted that the above studies do not investigate the possible impact of plant metabolism on the possible isomerisation of pymetrozine and further investigation on this matter would in principle be required. Since guidance on the consideration of isomers in the consumer risk assessment is not yet available, EFSA recommends that this issue is reconsidered when such guidance is available.

For the uses on lamb's lettuce and beans (with pods) EFSA concludes that the metabolism of pymetrozine is sufficiently addressed and the residue definitions agreed in the peer review and confirmed by the Article 12 MRL review are applicable.

#### 3.1.1.2. Magnitude of residues

#### a. Lamb`s lettuce

In support of the intended **indoor** use the applicant submitted 4 residue trials on lamb's lettuce which were performed in the Netherlands during the growing seasons of 2005 and 2006. Residue trials were not compliant with the GAP in terms of a number of applications since they were performed with three instead of two applications. Two residue trials were designed as decline trials. In these decline studies the residue concentration on lamb's lettuce declined within 7 days for *ca.* 30%. Thus, the trials performed with three instead of two applications might slightly overestimate the residues occurring if the plant protection product is used according to the notified GAP (Appendix A). Two of the trials were irrigated during the period where the pesticide application took place. In these trials the terminal residue concentration was significantly lower than in the non-irrigated trials. Another deficiency of the trials relates to the storage time of the samples which exceeded the period for which integrity of the samples was demonstrated (details see below).

No residue trials were submitted in support of the intended NEU outdoor use.

#### *b. Beans* (*with pods*)

In support of the intended **indoor** use, the applicant submitted 8 residue trials on beans (with pods). Trials have been performed in the Netherlands during the growing seasons of 2005 and 2006. Residue trials were not fully compliant with the GAP in terms of a number of applications since they were performed with three instead of two applications. Moreover, four trials which gave the highest results (1.8-3.2 mg/kg) were performed with individual application rates being at the upper acceptable 25% deviation limit. These trials were designed as decline trials and indicate that the number of applications do not have a significant impact on the final residue levels in the crop since residues on the day before treatment account at similar levels as after 7 days which is the intended treatment interval. Although the trials did not fully reflect the residue situation expected under conditions representative for the notified GAP, EFSA is of the opinion that the deviations are not expected to bias the results unduly.

The results of the residue trials are summarised in Table 3-1. According to the EMS, the analytical methods used to analyse the supervised residue trial samples have been sufficiently validated and were proven to be fit for purpose (The Netherlands, 2011).

The potential degradation of residues during storage of the residues trials samples has been assessed. In the framework of the peer review, storage stability of pymetrozine was demonstrated at -18°C for a period of 24 months in commodities with high oil content (cotton seed), and 6 or 12 months in commodities with high water content (potato and tomato, respectively) (Germany, 1998). Additional



storage stability studies were evaluated by the RMS after the peer review, which demonstrated that storage stability of pymetrozine strongly depends on the matrix: in several high water content commodities (tomato, melon) pymetrozine was found to be stable for a period of 24 months while in lettuce and cucumber a residue decline above 30% occurred on month 3 and 6 of the storage, respectively (EFSA, 2012).

The conflicting results for high water content commodities were discussed during a meeting of experts in the framework of the Article 12 MRL review and it was agreed by all experts that the difference between the results might also be related to the sample preparation and that the reasons for the rapid degradation of residues during storage should be further elucidated. In particular, three key questions must be investigated:

- What are the degradation products formed during storage?
- What is the impact of the sample preparation on the storage stability?
- What is the impact of spiked compared to incurred residues on the storage stability?

It was suggested to address the first key question by a radiolabelled storage stability study but it was acknowledged that other possibilities may be available and that study protocols may be discussed with national authorities prior to conducting such a study. The other two key questions should allow risk assessors to derive clear recommendations for laboratories regarding the storage conditions and sample preparations prior to analysis and it was pointed out that several commodities should be investigated since the results are expected to differ between matrices. If the information required would indicate that storage stability is unpredictable and that clear recommendations cannot be derived for storage and preparation of samples, the residue definition for enforcement might be reconsidered as well (EFSA, 2012). Given these major uncertainties about the storage stability of pymetrozine residues in high acid<sup>11</sup> and high water content commodities, the MRLs for fruits and vegetables belonging to these matrix groups were proposed on a tentative basis by the Article 12 MRL review. It was also strongly recommended that for the elaboration of residue trials in the future, samples should be analysed as soon as possible after sampling in order to minimise decline of residues during storage (EFSA, 2012).

The residue trial samples of lamb's lettuce and beans (with pods) prior to analysis were stored for a maximum of 129 days and 122 days, respectively. No storage stability studies have been performed specifically with lamb's lettuce and beans (with pods). The applicant proposed to extrapolate the available storage stability data on lettuce to lamb's lettuce, considering the morphological similarities between these crops. The recently reported storage stability study on lettuce indicates a decline to ca. 55% of the initial residue concentration for the storage period of ca. 5 months. To compensate for the loss of residues in the lamb's lettuce trials during storage, the applicant proposes to apply a correction factor taking into account the expected degradation (correction factor 1.84). However, such an approach was not accepted by experts consulted in the Article 12 MRL review, because, according to the experts, the instability of pymetrozine residues in watery matrices is not only affected by the nature of the crop, but might depend also on the preparation of samples and the design of the residue decline studies (spiked/incurred residues). Given the high variability regarding the storage stability of pymetrozine in different matrices, the extrapolation of decline rates observed for certain crops to other high water content commodities is not acceptable. Given these arguments, EFSA is of the opinion that storage stability data on lettuce cannot be extrapolated to lamb's lettuce. Regarding beans (with pods), the same rationale for refusing the extrapolation of storage stability data is relevant.

<sup>&</sup>lt;sup>11</sup> Decline of residues was not observed in acidic commodities. However, only one matrix was investigated and diverging degradation rates cannot be excluded in acidic commodities as pymetrozine decomposed in a more pronounced manner under acidic conditions in nature of residue studies under processing conditions. The data gap identified for high water content commodities is therefore also applicable to acidic commodities (EFSA, 2012).



EFSA concludes that residue data on lamb's lettuce and beans (with pods) are not sufficiently supported with regard to storage stability. Thus, no MRLs are proposed for pymetrozine in these crops. Adequate storage stability studies have to be performed taking into consideration the questions raised under the Article 12 MRL review.



Table 3-1: Overview of the available residues trials data

Commodity	Residue	Outdoor	Individual trial	results (mg/kg)	Median	Highest	MRL	Median	Comments
	region (a)	/Indoor	<b>Enforcement</b> (Pymetrozine)	Risk assessment (Pymetrozine)	residue (mg/kg) (b)	residue (mg/kg) (c)	proposal (mg/kg)	CF (d)	(e)
Lamb`s lettuce	EU	Indoor	0.05 <sup>g</sup> ; 0.13 <sup>g</sup> ; 5.6; 6.4	0.05 <sup>g</sup> ; 0.13 <sup>g</sup> ; 5.6; 6.4	-	-	-	-	Residue trials not valid since the samples were stored for a period for which integrity of the samples is not guaranteed.
	NEU	Outdoor	-	-	-	-	-	-	No residue trials submitted in support of the NEU outdoor use.
Beans (with pods) (French beans)	EU	Indoor	0.33; 0.39; 0.6; 0.94; 1.8; 2.6; 3.1; 3.2 <sup>f</sup>	0.33; 0.39; 0.6; 0.94; 1.8; 2.6; 3.1; 3.2 <sup>f</sup>	-	-	-	-	Residue trials not valid since the samples were stored for a period for which integrity of the samples is not guaranteed.

(a): NEU (Northern and Central Europe), SEU (Southern Europe and Mediterranean), EU (*i.e.* outdoor use) or Import (country code) (EC, 2011).

(b): Median value of the individual trial results according to the enforcement residue definition.

(c): Highest value of the individual trial results according to the enforcement residue definition.

(d): The median conversion factor for enforcement to risk assessment is obtained by calculating the median of the individual conversion factors for each residue trial.

(e): Statistical estimation of MRLs according to the EU methodology (R<sub>ber</sub>, R<sub>max</sub>; EC, 1997g) and unrounded/rounded values according to the OECD methodology (OECD, 2011).

(f): Residue higher at a longer PHI of 3 days.

(g): Irrigation of the crop during the period where the pesticide was applied (50-65 mm).



### 3.1.1.3. Effect of industrial processing and/or household preparation

Studies investigating the nature of residues during conditions representative for pasteurisation, cooking/boiling and sterilisation have not been made available neither for the peer review nor for the Article 12 MRL review (Germany, 1998, 2000, EFSA, 2012).

Studies investigating the magnitude of residues in processed beans (with pods) have not been presented either.

### **3.1.2.** Rotational crops

The nature and magnitude of pymetrozine residues in rotational crops was assessed in the framework of the Article 12 MRL review (EFSA, 2012). The conclusions derived are applicable also for the current application and, considering the fact that no MRL proposals are derived in the framework of the current evaluation, no further considerations are needed.

#### **3.2.** Nature and magnitude of residues in livestock

Since the crops under consideration are not normally fed to livestock, the nature and magnitude of pymetrozine residues in livestock is not assessed in the framework of this application.

#### 4. Consumer risk assessment

As the available data on the magnitude of pymetrozine residues in lamb's lettuce and beans (with pods) were considered insufficient to propose a modification of the existing MRLs in these crops (see 3.1.1.2.), the consumer risk assessment for pymetrozine performed in the framework of the Article 12 MRL review is still valid. In this risk assessment the consumer exposure to pymetrozine residues from the intake of all plant commodities that are treated with pymetrozine according to existing authorized uses, and resulting residues in commodities of animal origin, has been assessed (EFSA, 2012).



### **CONCLUSIONS AND RECOMMENDATIONS**

### CONCLUSIONS

The toxicological profile of pymetrozine was evaluated in the framework of Directive 91/414/EEC, which resulted in an ADI and an ARfD being established at 0.03 mg/kg bw per day and 0.1 mg/kg bw, respectively.

The metabolism of pymetrozine in primary crops was investigated for foliar application on fruits, root vegetables, oil seeds and on cereals. Since the metabolic pathways were well identified and metabolic patterns in the different studies were shown to be similar, the risk assessment and enforcement residue definition was established in all plant commodities as parent pymetrozine. For the uses on lamb's lettuce and beans (with pods), EFSA concludes that the metabolism of pymetrozine is sufficiently addressed and the residue definitions as agreed in the peer review and confirmed in Article 12 MRL review are applicable.

The submitted supervised residue trials on lamb's lettuce and beans (with pods) were found to be not valid because the samples were stored for a period for which integrity of the samples is not guaranteed. The proposal to compensate for the potential loss of residues during storage by applying a correction factor taking into account the degradation, is not acceptable because the instability of pymetrozine residues in watery matrices is not only affected by the nature of the crop, but might depend also on other factors such as the preparation of samples and the design of the residue decline studies (spiked/incurred residues). EFSA therefore concludes that the available data are not sufficient to derive a MRL proposal for lamb's lettuce and beans (with pods) reflecting the intended GAP notified in this application.

No studies are available investigating the nature and magnitude of pymetrozine residues in processed commodities. The residue behaviour in rotational crops and in livestock was assessed in the framework of the MRL review and no further data are available which require a revision.

The dietary risk assessment for pymetrozine residues reflecting the existing authorized uses has been assessed in the framework of the Article 12 MRL review. Since no modification of the MRLs for lamb's lettuce and beans (with pods) is proposed, there is no need to update this risk assessment.

EFSA concludes that the available data are insufficient to make a proposal to modify the MRL for pymetrozine in lamb's lettuce and beans (with pods).



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#### **APPENDICES**

### A. GOOD AGRICULTURAL PRACTICE (GAPS)

Member	F	Pest or	For	mulation		Appli	cation		Applicati	ion rate per ti	reatment	PHI	Remarks
State or Country	G or I (b)	group of pests controlled (c)	type (d - f)	conc. of a.s. (i)	method kind (f - h)	growth stage & season (j)	number min max (k)	interval min max	kg as/hL min max	water L/ha min max	kg a.s./ha min max	(days) (l)	(m)
NL	F	Myzus persicae, Macrosiphum euphorbiae,				BBCH 19-49 May-Aug	1-2	7	0.025-0.1	200-800	0.2	14	
NL	G	Aulacorthum solani, Nasonovia ribisnigri	WG	500 g/L	Foliar	BBCH 19-49 Jan-Dec	1-2	7	0.02-0.04	500-1000	0.2	14	
NL	G	Aphis gossypii, Myzus persicae, Myzus nicotianae, Macrosiphum euphorbiae	WG	500 g/L	Foliar	BBCH 19-89 Jan-Dec	1-2	7	0.01	500-1500	0.05-0.15	1	
NL	G	Trialeurodes vaporariorum							0.03	500-1500	0.15-0.45	1	
	State or Country NL NL	State or CountryG or I (b)NLFNLGNLG	State or CountryG or I (b)group of pests controlledNLFMyzus persicae, Macrosiphum euphorbiae, Aulacorthum solani, Nasonovia ribisnigriNLGAphis gossypii, Myzus persicae, Myzus persicae, Macrosiphum euphorbiaeNLGAphis gossypii, Myzus persicae, Myzus persicae, Myzus persicae, Myzus persicae, Myzus persicae, Myzus persicae, Myzus persicaeNLGTrialeurodes	State or CountryG or I (b)group of pests controlledtypeNLFMyzus persicae, Macrosiphum euphorbiae, Aulacorthum(d - f)NLGAnilow Solani, Nasonovia ribisnigriWGNLGAphis gossypii, Myzus persicae, Myzus persicae, 	State or CountryG or I (b)group of pests controlledtypeconc. of a.s.NLFMyzus persicae, Macrosiphum euphorbiae, Aulacorthum(d - f)(i)NLGMyzus persicae, Macrosiphum euphorbiae, AulacorthumWG500 g/LNLGAphis gossypii, Myzus persicae, Myzus persicae, Macrosiphum euphorbiaeWG500 g/LNLGTrialeurodesTrialeurodesWG500 g/L	State or CountryG or I (b)group of pests controlledtypeconc. of a.s.method kindNLFMyzus persicae, Macrosiphum euphorbiae, Aulacorthum solani, Nasonovia ribisnigriWG500 g/LFoliarNLGAphis gossypii, Myzus persicae, Macrosiphum euphorbiae, NusWG500 g/LFoliarNLGAphis gossypii, Myzus persicae, Myzus persicae, Myzus persicae, Myzus persicae, Myzus persicae, Myzus persicae, Myzus persicae, Myzus persicae, Myzus persicae, Macrosiphum euphorbiaeS00 g/LFoliarNLGTrialeurodesTrialeurodesVGS00 g/LFoliar	State or CountryG or I (b)group of pests controlledtypeconc. of a.s.method kind (i)growth stage & season (j)NLFMyzus persicae, Macrosiphum euphorbiae, Aulacorthum solani, Nasonovia ribisnigriWG500 g/LFoliarBBCH 19-49 May-AugNLGAphis gossypii, Myzus persicae, Macrosiphum euphorbiae, Aulacorthum solani, Nasonovia ribisnigriWG500 g/LFoliarBBCH 19-49 May-AugNLGAphis gossypii, Myzus persicae, Macrosiphum euphorbiaeWG500 g/LFoliarBBCH 19-49 Jan-DecNLGTrialeurodesWG500 g/LFoliarBBCH 19-89 Jan-Dec	State or CountryG or I (b)group of pests controlledtypeconc. of a.s.method kind (f - h)growth stage & season (j)number min max (k)NLFMyzus persicae, Macrosiphum euphorbiae, Aulacorthum solani, Nasonovia ribisnigri $WG$ $500 \text{ g/L}$ FoliarBBCH 19-49 May-Aug $1-2$ NLGAphis gossypii, Myzus persicae, Myzus persicae, minoria ribisnigriWG $500 \text{ g/L}$ FoliarBBCH 19-49 May-Aug $1-2$ NLGAphis gossypii, Myzus persicae, micotianae, Macrosiphum euphorbiaeWG $500 \text{ g/L}$ FoliarBBCH 19-49 Jan-Dec $1-2$ NLGTrialeurodesWG $500 \text{ g/L}$ FoliarBBCH 19-89 Jan-Dec $1-2$	State or CountryG or I (b)group of pests controlledtypeconc. of a.s.method kind (f - h)growth stage & season (j)number min maxinterval min maxNLFMyzus persicae, Macrosiphum euphorbiae, Aulacorthum solani, Nasonovia ribisnigriWG500 g/LFoliarBBCH 19-49 May-Aug1-27NLGAphis gossypii, Myzus persicae, Masonovia ribisnigriWG500 g/LFoliarBBCH 19-49 Jan-Dec1-27NLGAphis macrosiphum euphorbiaeWG500 g/LFoliarBBCH 19-49 Jan-Dec1-27NLGTrialeurodesWG500 g/LFoliarFoliarBBCH 19-89 Jan-Dec1-27	State or CountryG or I (b)group of pests controlledtypeconc. of a.s.method kind (f - h)growth stage & season (j)number min maxinterval min maxkg as/hL min maxNLFMyzus persicae, Macrosiphum euphorbiae, Aulacorthum solani, Nasonovia ribisnigriMG500 g/LFoliarBBCH 19-49 May-Aug1-270.025-0.1NLGAphis gossypii, Myzus persicae, Macrosiphum euphorbiae, Aulacorthum solani, Masonovia ribisnigriWG500 g/LFoliarBBCH 19-49 Jan-Dec1-270.025-0.1NLGAphis gossypii, Myzus persicae, Macrosiphum euphorbiaeWG500 g/LFoliarBBCH 19-49 Jan-Dec1-270.02-0.04NLGTrialeurodesWG500 g/LFoliarFoliarBBCH 19-89 Jan-Dec1-270.01	State or CountryG or I (b)group of pests controlledtypeconc. of a.s.method kind (f - h)growth state wethod kindnumber min max (j)interval min maxkg as/L min maxwater L/ha min maxNLFMyzus persicae, Macrosiphum euphorbiae, Aulacorthum solani, Nasonovia ribisnigriMG500 g/LFoliarBBCH 19-49 May-Aug1-270.025-0.1200-800NLGAphis Myzus persicae, Myzus persicae, Macrosiphum euphorbiaeWG500 g/LFoliarBBCH 19-49 Jan-Dec1-270.02-0.04500-1000NLGTrialeurodesFoliarFoliarBBCH 19-89 Jan-Dec1-270.01500-1500	State or CountryG or I (b)group of pests controlledtypeconc. of a.s.method kind (f - h)growth state windnumber min maxinterval min maxkg as/L min maxwater L/ha min maxkg as./ha min maxNLFMyzus persicae, acrosiphum euphorbiae, NLMyzus persicae, acrosiphum euphorbiae, NLMyzus persicae, acrosiphum euphorbiae, NLMyzus persicae, min maxMyzus persicae, acrosiphum euphorbiae, NLMyzus persicae, min maxMyzus persicae, phorbiae, NLMyzus persicae, min maxMyzus persicae, min maxMyzus persicae, min maxMyzus persicae, phorbiae,Myzus persicae, min maxMyzus persicae, phorbiae,Myzus persicae, min maxMyzus persicae, phorbiaeMyzus persicae, min maxMyzus persicae, <b< td=""><td>State or CountryG or I bgroup of pests controlledtype of a.s.conc. of a.s.method kind (f - h)growth stage &amp; season (j)number min maxinterval min maxkg a.s./ha min maxkg a.s./ha min max(days) (days)NLFMyzus Macrosiphum euphorbiae, Aulacorthum solani, Nasonovia ribisnigriWG500 g/LFoliarBBCH 19-49 May-Aug1-270.025-0.1200-8000.214NLGAphis morovia ricitanae, Macrosiphum euphorbiaeWG500 g/LFoliarBBCH 19-49 Jan-Dec1-270.02-0.04500-10000.214NLGAphis micotianae, macrosiphum euphorbiaeWG500 g/LFoliarBBCH 19-49 Jan-Dec1-270.02-0.04500-10000.214NLGTrialeurodesWG500 g/LFoliarBBCH 19-89 Jan-Dec1-270.020.01500-15000.05-0.151</td></b<>	State or CountryG or I bgroup of pests controlledtype of a.s.conc. of a.s.method kind (f - h)growth stage & season (j)number min maxinterval min maxkg a.s./ha min maxkg a.s./ha min max(days) (days)NLFMyzus Macrosiphum euphorbiae, Aulacorthum solani, Nasonovia ribisnigriWG500 g/LFoliarBBCH 19-49 May-Aug1-270.025-0.1200-8000.214NLGAphis morovia ricitanae, Macrosiphum euphorbiaeWG500 g/LFoliarBBCH 19-49 Jan-Dec1-270.02-0.04500-10000.214NLGAphis micotianae, macrosiphum euphorbiaeWG500 g/LFoliarBBCH 19-49 Jan-Dec1-270.02-0.04500-10000.214NLGTrialeurodesWG500 g/LFoliarBBCH 19-89 Jan-Dec1-270.020.01500-15000.05-0.151

- Growth stage at last treatment (Growth stages of mono-and dicotyledonous plants. BBCH (j) Monograph, 2<sup>nd</sup> Ed., 2001), including where relevant, information on season at time of application
- The minimum and maximum number of application possible under practical conditions of use (k) must be provided
- Method, e.g. high volume spraying, low volume spraying, spreading, dusting,

e.g. biting and sucking insects, soil born insects, foliar fungi, weeds

GCPF Technical Monograph No 2, 4<sup>th</sup> Ed., 1999 or other codes, e.g.

OECD/CIPAC, should be used

All abbreviations used must be explained

e.g. wettable powder (WP), emulsifiable concentrate (EC), granule (GR)

- PHI minimum pre-harvest interval (1)
- (m) Remarks may include: Extent of use/economic importance/restrictions (*i.e.* feeding, grazing)

drench

(c)

(d)

(e)

(f)

(g)



# **B.** EXISTING EU MAXIMUM RESIDUE LEVELS (MRLS)

(Pesticides - Web Version - EU MRLs ((File created on 12/10/2012 12:14))

Code number	Groups and examples of individual products to which	Pymetrozine (existing	Pymetrozine (proposed
inditioci	the MRLs apply	MRLs)	MRLs in
		,	MRL
			review)
100000	1. FRUIT FRESH OR		
	FROZEN; NUTS		
110000	(i) Citrus fruit	0,3	0,3
110010	Grapefruit (Shaddocks, pomelos,		
	sweeties, tangelo, ugli and other		
	hybrids)	0,3	
110020	Oranges (Bergamot, bitter		
	orange, chinotto and other	0.2	
110020	hybrids)	0,3	
110030	Lemons (Citron, lemon)	0,3	
110040	Limes	0,3	
110050	Mandarins (Clementine, tangerine and other hybrids)	0.2	
110000	č	0,3	
110990	Others	0,3	
120000	<li>(ii) Tree nuts (shelled or unshelled)</li>	0,02*	
120010	Almonds	0,02*	
120010	Almonds Brazil nuts	0,02*	
120020	Cashew nuts	0,02*	
120030	Cashew huis Chestnuts	0.02*	0,05
120040	Coconuts	0,02*	0,03
120050	Hazelnuts (Filbert)	0,02*	0.05
120080	Macadamia	0,02*	0.03
120070	Pecans	0,02*	
120080	Piecans	0.02*	
120090	Pine nuis Pistachios	0,02*	
120100	Walnuts	0,02*	0.05
120110	Others	0.02*	0.03
120990	(iii) Pome fruit	0,02*	
130000	(iii) Pome iruit Apples (Crab apple)	0,02*	0.02*
130010	Apples (Crab apple) Pears (Oriental pear)	0,02*	0.02*
	Quinces	0,02*	0.02**
130030 130040	Medlar	0,02*	
130040		0,02*	
130050	Loquat Others	0,02*	
130990	(iv) Stone fruit	0,02**	
140000	(IV) Stone Iruit Apricots	0,05	0.03
140010	Apricots Cherries (sweet cherries, sour	0,05	0.05
140020	chemes (sweet chemes, sour chemies)	0,02*	
140030	Peaches (Nectarines and similar	0,02*	0.03
140030	reaches (nectannes and similar	0,05	0.05

Code number	Groups and examples of individual products to which the MRLs apply	Pymetrozine (existing MRLs)	Pymetrozine (proposed MRLs in MRL review)
	hybrids)		
140040	Plums (Damson, greengage,	0.00*	
1 (0000	mirabelle)	0,02*	
140990	Others	0,02*	
150000	(v) Berries & small fruit	0.02*	
151000	(a) Table and wine grapes	0,02*	
151010	Table grapes	0,02*	
151020	Wine grapes	0,02*	0.2
152000	(b) Strawberries (c) Cane fruit	0,5	0.3
153000	(1)	3	3
153010	Blackberries	3	3
153020	Dewberries (Loganberries, Boysenberries, and cloudberries)	0.02*	0.02*
153030	Raspberries (Wineberries )	0,02*	0.02*
153050	Others	0.02*	3
153990	(d) Other small fruit & berries	0,02*	
154000	Blueberries (Bilberries	-	
134010	cowberries (red bilberries))	0,02*	0.5
154020	Cranberries	0.02*	0.02*
154030	Currants (red, black and white)	0,02	0.02
154040	Gooseberries (Including hybrids	0,5	0.5
134040	with other ribes species)	0,5	0.5
154050	Rose hips	0,02*	0.5
154060	Mulberries (arbutus berry)	0.02*	
154070	Azarole (mediteranean medlar)	0.02*	
154080	Elderberries (Black chokeberry	0,02	
154000	(appleberry), mountain ash,		
	azarole, buckthorn (sea		
	sallowthorn), hawthorn, service		
	berries, and other treeberries)	0,02*	
154990	Others	0,02*	
160000	(vi) Miscellaneous fruit	0,02*	
161000	(a) Edible peel	0,02*	
161010	Dates	0,02*	
161020	Figs	0,02*	
161030	Table olives	0,02*	
161040	Kumquats (Marumi kumquats,		
	nagami kumquats)	0,02*	
161050	Carambola (Bilimbi)	0,02*	
161060	Persimmon	0,02*	

Code number	Groups and examples of individual products to which	Pymetrozine (existing	Pymetrozine (proposed
	the MRLs apply	MRLs)	<b>MRLs</b> in
			MRL
			review)
161070	Jambolan (java plum) (Java		
	apple (water apple), pomerac,		
	rose apple, Brazilean cherry	0.02*	
161000	(grumichama), Surinam cherry) Others	0,02*	
161990 162000	0.000	0,02*	
162000	(b) Inedible peel, small Kiwi	0,02*	
162010	Lychee (Litchi) (Pulasan,	0,02*	
162020	rambutan (hairy litchi))	0,02*	
162030	Passion fruit	0.02*	
162030	Prickly pear (cactus fruit)	0,02*	
162040	Star apple	0.02*	
162050	American persimmon (Virginia	0,02*	
162060	kaki) (Black sapote, white sapote,		
	green sapote, canistel (yellow		
	sapote), and mammey sapote)	0,02*	
162990	Others	0,02*	
163000	(c) Inedible peel, large	0.02*	
163010	Avocados	0,02*	
163020	Bananas (Dwarf banana,	0,02	
100020	plantain, apple banana)	0,02*	
163030	Mangoes	0,02*	
163040	Papaya	0.02*	
163050	Pomegranate	0.02*	
163060	Cherimoya (Custard apple, sugar	- /-	
	apple (sweetsop), llama and		
	other medium sized		
	Annonaceae)	0,02*	
163070	Guava	0,02*	
163080	Pineapples	0,02*	
163090	Bread fruit (Jackfruit)	0,02*	
163100	Durian	0,02*	
163110	Soursop (guanabana)	0,02*	
163990	Others	0,02*	
200000	2. VEGETABLES FRESH OR		
	FROZEN		
210000	(i) Root and tuber vegetables	0,02*	
211000	(a) Potatoes	0,02*	0.02*
212000	(b) Tropical root and tuber		
	vegetables	0,02*	

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European Food	Safety Authority

Modification of the existing	IRLs for pymetrozine in lamb's lettuce and beans (with	pods)

Code number	Groups and examples of individual products to which the MRLs apply	Pymetrozine (existing MRLs)	Pymetrozine (proposed MRLs in MRL review)
212010	Cassava (Dasheen, eddoe		-
	(Japanese taro), tannia)	0,02*	
212020	Sweet potatoes	0,02*	
212030	Yams (Potato bean (yam bean),		
	Mexican yam bean)	0,02*	
212040	Arrowroot	0,02*	
212990	Others	0,02*	
213000	(c) Other root and tuber		
	vegetables except sugar beet	0,02*	
213010	Beetroot	0,02*	
213020	Carrots	0,02*	
213030	Celeriac	0,02*	0.02*
213040	Horseradish	0,02*	
213050	Jerusalem artichokes	0,02*	
213060	Parsnips	0,02*	
213070	Parsley root	0,02*	
213080	Radishes (Black radish, Japanese radish, small radish and similar varieties)	0,02*	0.02*
213090	Salsify (Scorzonera, Spanish salsify (Spanish oysterplant))	0,02*	
213100	Swedes	0,02*	
213110	Turnips	0,02*	
213990	Others	0,02*	
220000	(ii) Bulb vegetables	0,02*	
220010	Garlic	0,02*	
220020	Onions (Silverskin onions)	0,02*	
220030	Shallots	0,02*	
220040	Spring onions (Welsh onion and similar varieties)	0,02*	
220990	Others	0,02*	
230000	(iii) Fruiting vegetables		
231000	(a) Solanacea		
231010	Tomatoes (Cherry tomatoes, )	0,5	0.5
231020	Peppers (Chilli peppers)	1	3
231030	Aubergines (egg plants) (Pepino)	0,5	0.5
231040	Okra, lady's fingers	1	1
231990	Others	0,02*	
232000	(b) Cucurbits - edible peel	0,5	1
232010	Cucumbers	0,5	
232020	Gherkins	0,5	
232030	Courgettes (Summer squash, marrow (patisson))	0,5	
232990	Others	0,5	
233000	(c) Cucurbits-inedible peel	0,2	0.3
233010	Melons (Kiwano)	0,2	
233020	Pumpkins (Winter squash)	0,2	
233030	Watermelons	0,2	

Code number	Groups and examples of individual products to which the MRL <i>s</i> apply	Pymetrozine (existing MRLs)	Pymetrozin (proposed MRLs in MRL review)
233990	Others	0,2	
234000	(d) Sweet com	0,02*	0.02*
239000	(e) Other fruiting vegetables	0,02*	
240000	(iv) Brassica vegetables		
241000	(a) Flowering brassica	0,02*	0.03
241010	Broccoli (Calabrese, Chinese		
	broccoli, Broccoli raab)	0,02*	
241020	Cauliflower	0,02*	
241990	Others	0,02*	
242000	(b) Head brassica		
242010	Brussels sprouts	0,02*	0.08
242020	Head cabbage (Pointed head		
	cabbage, red cabbage, savoy		
	cabbage, white cabbage)	0,05	0.05
242990	Others	0,02*	
243000	(c) Leafy brassica	0,2	
243010	Chinese cabbage (Indian		
	(Chinese) mustard, pak choi,		
	Chinese flat cabbage (tai goo		
	choi), peking cabbage (pe-tsai),	0.2	0.0
2 (2020	cow cabbage)	0,2	0.2
243020	Kale (Borecole (curly kale),	0.2	0.00
243990	collards) Others	0,2	0.06
243990	(d) Kohlrabi	0,2 0.02*	0.02*
244000		0,02*	0.02*
250000	<ul><li>(v) Leaf vegetables &amp; fresh herbs</li><li>(a) Lettuce and other salad plants</li></ul>		
251000	(a) Lettuce and other salad plants including Brassicacea	2	
251010	Lamb's lettuce (Italian cornsalad)	2	3
251010	Latito's lettuce (Italian consalad) Lettuce (Head lettuce, lollo rosso	2	5
251020	(cutting lettuce), iceberg lettuce,		
	romaine (cos) lettuce)	2	3
251030	Scarole (broad-leaf endive) (Wild	2	5
201000	chicory, red-leaved chicory,		
	radicchio, curld leave endive,		
	sugar loaf)	2	0.6
251040	Cress	2	0.6
251050	Land cress	2	3
251060	Rocket, Rucola (Wild rocket)	2	3
251000	Red mustard	2	0.6
251070	Leaves and sprouts of Brassica	2	0.0
201000	spp (Mizuna)	2	3
251990	Others	2	5
252000	(b) Spinach & similar (leaves)	2	
252000	Spinach (New Zealand spinach,		
202010	turnip greens (turnip tops))	0,4	0.6
252020	Purslane (Winter purslane	,, <del>,</del>	0.0
252620	(miner's lettuce), garden	0,4	0.4

Code number	Groups and examples of individual products to which the MRLs apply	Pymetrozine (existing MRLs)	Pymetrozine (proposed MRLs in MRL review)
	purslane, common purslane,		
	sorrel, glassworth)		
252030	Beet leaves (chard) (Leaves of		
	beetroot)	0,4	0.6
252990	Others	0,02*	
253000	(c) Vine leaves (grape leaves)	0,02*	
254000	(d) Water cress	0,02*	
255000	(e) Witloof	0,02*	
256000	(f) Herbs		
256010	Chervil	2	3
256020	Chives	2	3
256030	Celery leaves (fennel leaves, Coriander leaves, dill leaves, Caraway leaves, lovage, angelica, sweet cisely and other Apiacea)	2	3
256040	Parsley	2	3
256050	Sage (Winter savory, summer	_	
	savory,)	1	3
256060	Rosemary	1	3
256070	Thyme (marjoram, oregano)	1	3
256080	Basil (Balm leaves, mint, peppermint)	1	3
256090	Bay leaves (laurel)	1	3
256100	Tarragon (Hyssop)	1	3
256990	Others	2	
260000	(vi) Legume vegetables (fresh)		
260010	Beans (with pods) (Green bean (french beans, snap beans), scarlet runner bean, slicing bean, yardlong beans)	2	2
260020	Beans (without pods) (Broad beans, Flageolets, jack bean, lima bean, cowpea)	1	1
260030	Peas (with pods) (Mangetout		
2.00.10	(sugar peas))	1	0.02*
260040	Peas (without pods) (Garden pea, green pea, chickpea)	1	
260050	Lentils	1	
260990	Others	1	
270000	(vii) Stem vegetables (fresh)	0,02*	
270010	Asparagus	0,02*	
270020	Cardoons	0,02*	
270030	Celery	0,02*	0.04
270040	Fennel	0,02*	0.04
270050	Globe artichokes	0,02*	0.02*
270060	Leek	0,02*	
270070	Rhubarb	0,02*	

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Code number	Groups and examples of individual products to which the MRLs apply	Pymetrozine (existing MRLs)	Pymetrozine (proposed MRLs in MRL review)
270080	Bamboo shoots	0,02*	
270090	Palm hearts	0,02*	
270990	Others	0,02*	
280000	(viii) Fungi	0,02*	
280010	Cultivated (Common mushroom, Oyster mushroom, Shi-take)	0,02*	
280020	Wild (Chanterelle, Truffle, Morel		
	,)	0,02*	
280990	Others	0,02*	
290000	(ix) Sea weeds	0,02*	
300000	3. PULSES, DRY	0,02*	
300010	Beans (Broad beans, navy beans, flageolets, jack beans, lima beans, field beans, cowpeas)	0,02*	
300020	Lentils	0,02*	
300030	Peas (Chickpeas, field peas, chickling vetch)	0,02*	
300040	Lupins	0,02*	
300990	Others	0,02*	
400000	4. OILSEEDS AND OILFRUITS		
401000	(i) Oilseeds		
401010	Linseed	0,02*	
401020	Peanuts	0,02*	
401030	Poppy seed	0,02*	
401040	Sesame seed	0,02*	
401050	Sunflower seed	0,02*	
401060	Rape seed (Bird rapeseed, turnip rape)	0,02*	0.01*
401070	Soya bean	0,02*	
401080	Mustard seed	0,02*	
401090	Cotton seed	0,05	0.03
401100	Pumpkin seeds	0,02*	
401110	Safflower	0,02*	
401120	Borage	0,02*	
401130	Gold of pleasure	0,02*	
401140	Hempseed	0,02*	
401150	Castor bean	0,02*	ļ
401990	Others	0,02*	ļ
402000	(ii) Oilfruits	0,02*	ļ
402010	Olives for oil production	0,02*	
402020	Palm nuts (palmoil kernels)	0,02*	
402030	Palmfruit	0,02*	ļ
402040	Kapok	0,02*	ļ
402990	Others	0,02*	ļ
500000	5. CEREALS	0,02*	ļ
500010	Barley	0,02*	

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number	Groups and examples of individual products to which the MRLs apply	Pymetrozine (existing MRLs)	Pymetrozine (proposed MRLs in MRL review)
500020	Buckwheat	0,02*	
500030	Maize	0,02*	
500040	Millet (Foxtail millet, teff)	0,02*	
500050	Oats	0,02*	
500060	Rice	0,02*	
500070	Rye	0,02*	
500080	Sorghum	0,02*	
500090	Wheat (Spelt Triticale)	0,02*	
500990	Others	0,02*	
600000 610000	6. TEA, COFFEE, HERBAL INFUSIONS AND COCOA (i) Tea (dried leaves and stalks,	0,1*	
	fermented or otherwise of Camellia sinensis)	0,1*	
620000	(ii) Coffee beans	0,1*	
630000	(iii) Herbal infusions (dried)	0,1*	
631000	(a) Flowers	0,1*	5
631010	Camomille flowers	0,1*	
631020	Hybiscus flowers	0,1*	
631030	Rose petals	0,1*	
631040	Jasmine flowers	0,1*	
631050	Lime (linden)	0,1*	
631990	Others	0,1*	
632000	(b) Leaves	0,1*	5
632010	Strawberry leaves	0,1*	
632020	Rooibos leaves	0,1*	
632030	Maté	0,1*	
632990	Others	0,1*	
633000	(c) Roots	0,1*	
633010	Valerian root	0,1*	
633020	Ginseng root	0,1*	
633990	Others	0,1*	
639000	(d) Other herbal infusions	0,1*	
640000	(iv) Cocoa (fermented beans)	0,1*	
650000	(v) Carob (st johns bread)	0,1*	
700000	7. HOPS (dried), including hop pellets and unconcentrated powder	15	15
800000	8. SPICES	0,1*	
810000	(i) Seeds	0,1*	
810010	Anise	0,1*	
810020	Black caraway	0,1*	
810030	Celery seed (Lovage seed)	0,1*	
810040	Coriander seed	0,1*	
810050	Cumin seed	0,1*	
810060	Dill seed	0,1*	
810070	Fennel seed	0,1*	

810990         Nutmeg         0,1*           810990         Others         0,1*           820000         (ii) Fruits and bernies         0,1*           820010         Allspice         0,1*           820010         Allspice         0,1*           820020         Anise pepper (Japan pepper)         0,1*           820030         Caraway         0,1*           820040         Cardamorn         0,1*           820050         Juniper berries         0,1*           820050         Juniper berries         0,1*           820070         Vanilla pods         0,1*           820080         Tamarind         0,1*           820090         Others         0,1*           820000         (iii) Bark         0,1*           830010         Cimamon (Cassia)         0,1*           840010         Liquorice         0,1*           840020         Ginger         0,1*           840030         Turmeric (Curcuma)         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840030         Ciners         0,1*           850000         (v) Buds	Code number	Groups and examples of individual products to which the MRLs apply	Pymetrozine (existing MRLs)	Pymetrozine (proposed MRLs in MRL review)
$810990$ Others $0,1^*$ 820000         (ii) Fruits and bernies $0,1^*$ 820010         Alispice $0,1^*$ 820020         Anise pepper (Japan pepper) $0,1^*$ 820030         Caraway $0,1^*$ 820040         Caradamom $0,1^*$ 820040         Caradamom $0,1^*$ 820050         Juniper bernies $0,1^*$ 820070         Vanilla pods $0,1^*$ 820070         Vanilla pods $0,1^*$ 820080         Tamarind $0,1^*$ 820090         Others $0,1^*$ 820000         (iii) Bark $0,1^*$ 830010         Cinnamon (Cassia) $0,1^*$ 840020         Ginger $0,1^*$ 840030         Luporice $0,1^*$ 840040         Horseradish $0,1^*$ <td>810090</td> <td>Nutmeg</td> <td>0,1*</td> <td></td>	810090	Nutmeg	0,1*	
820000         (ii) Fruits and benics $0,1^*$ 820010         Allspice $0,1^*$ 820020         Anise pepper (Japan pepper) $0,1^*$ 820030         Caraway $0,1^*$ 820040         Cardamom $0,1^*$ 820050         Juniper benies $0,1^*$ 820050         Juniper benies $0,1^*$ 820070         Vanilla pods $0,1^*$ 820070         Vanilla pods $0,1^*$ 820070         Vanilla pods $0,1^*$ 820070         Vanilla pods $0,1^*$ 820070         Others $0,1^*$ 830000         (ii) Bark $0,1^*$ 830000         (iv) Roots or rhizome $0,1^*$ 840000         Ginger $0,1^*$ 840000         Ginger $0,1^*$ 840000         Ginger $0,1^*$ 840000         Turmeric (Curcuma) $0,1^*$ 840000         Ginger $0,1^*$ 840000         (v) Buds $0,1^*$ 840040         Horseradish $0,1^*$	810990		0.1*	
820020         Anise pepper (Japan pepper)         0,1*           820030         Caraway         0,1*           820040         Cardamoon         0,1*           820050         Juniper benies         0,1*           820050         Juniper benies         0,1*           820060         Pepper, plack and white (Long pepper, pink pepper)         0,1*           820070         Vanilla pods         0,1*           820080         Tamarind         0,1*           820090         Others         0,1*           820000         (ii) Bark         0,1*           830000         (iii) Bark         0,1*           830000         Cinnamon (Cassia)         0,1*           840000         Cinnamon (Cassia)         0,1*           840000         Ginger         0,1*           840000         Ginger         0,1*           840000         Ginger         0,1*           840000         Horseradish         0,1*           840000         Others         0,1*           840000         Others         0,1*           840000         Others         0,1*           840000         Others         0,1*           850000         Oth	820000	(ii) Fruits and berries	0,1*	
820030         Caraway         0,1*           820040         Cardamom         0,1*           820050         Juniper berries         0,1*           820060         Pepper, black and white (Long pepper, pink pepper)         0,1*           820070         Vanilla pods         0,1*           820070         Vanilla pods         0,1*           820080         Tamarind         0,1*           820090         Others         0,1*           820000         (ii) Bark         0,1*           830010         Cinnamon (Cassia)         0,1*           830000         (iv) Roots or rhizome         0,1*           840000         (v) Roots or rhizome         0,1*           840010         Liquorice         0,1*           840020         Ginger         0,1*           840030         Turmeric (Curcura)         0,1*           840040         Horseradish         0,1*           840050         Cihers         0,1*           840090         Others         0,1*           850010         Cloves         0,1*           850020         Capers         0,1*           860010         Saffron         0,1*           860090	820010	Allspice	0,1*	
820030         Caraway         0,1*           820040         Cardamom         0,1*           820050         Juniper berries         0,1*           820060         Pepper, black and white (Long pepper, pink pepper)         0,1*           820070         Vanilla pods         0,1*           820070         Vanilla pods         0,1*           820080         Tamarind         0,1*           820090         Others         0,1*           820000         (ii) Bark         0,1*           830010         Cinnamon (Cassia)         0,1*           830000         (iv) Roots or rhizome         0,1*           840000         (v) Roots or rhizome         0,1*           840010         Liquorice         0,1*           840020         Ginger         0,1*           840030         Turmeric (Curcura)         0,1*           840040         Horseradish         0,1*           840050         Cihers         0,1*           840090         Others         0,1*           850010         Cloves         0,1*           850020         Capers         0,1*           860010         Saffron         0,1*           860090	820020	Anise pepper (Japan pepper)	0,1*	
820050         Juniper berries         0,1*           820060         Pepper, black and white (Long pepper, pink pepper)         0,1*           820070         Vanilla pods         0,1*           820080         Tarrarind         0,1*           820090         Others         0,1*           820090         Others         0,1*           820000         (iii) Bark         0,1*           830000         (iii) Bark         0,1*           830000         (iv) Roots or thizome         0,1*           840000         Liquorice         0,1*           840000         Liquorice         0,1*           840000         Liquorice         0,1*           840000         Cinger         0,1*           840000         Cinger         0,1*           840000         Cinger         0,1*           840000         Cinters         0,1*           840000         Others         0,1*           840000         Others         0,1*           840090         Others         0,1*           850010         Capers         0,1*           850010         Capers         0,1*           860000         (vi) Flower stigma <td< td=""><td>820030</td><td></td><td>0,1*</td><td></td></td<>	820030		0,1*	
820060         Pepper, black and white (Long pepper, pink pepper)         0,1*           820070         Vanilla pods         0,1*           820080         Tamarind         0,1*           820900         Others         0,1*           820900         Others         0,1*           830000         (ii) Bark         0,1*           830000         (iii) Bark         0,1*           840000         (iv) Roots or rhizome         0,1*           840000         (iv) Roots or rhizome         0,1*           840010         Liquorice         0,1*           840020         Ginger         0,1*           840030         Turmeric (Curcurna)         0,1*           840040         Horseradish         0,1*           840050         Others         0,1*           840090         Others         0,1*           840990         Others         0,1*           850010         Cloves         0,1*           850020         Capers         0,1*           860010         Saffron         0,1*           860010         Saffron         0,1*           870000         (vii) Aril         0,1*           870990         Others	820040	Cardamom	0,1*	
pepper, pink pepper)         0,1*           820070         Vanilla pods         0,1*           820080         Tamarind         0,1*           820990         Others         0,1*           830000         (iii) Bark         0,1*           830000         Cinnamon (Cassia)         0,1*           840000         (iv) Roots or rhizome         0,1*           840010         Liquorice         0,1*           840020         Ginger         0,1*           840020         Tumneric (Curcuma)         0,1*           840020         Tumneric (Curcuma)         0,1*           840020         Tumneric (Curcuma)         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840040         Cloves         0,1*           850010         Cloves         0,1*           850020         Capers         0,1*           860010         Saffion         0,1*           860010         Saffion         0,1*           870000         With Xrii         0,02*	820050	Juniper berries	0,1*	
820080         Tamarind         0,1*           820990         Others         0,1*           830000         (iii) Bark         0,1*           830010         Cinnamon (Cassia)         0,1*           830990         Others         0,1*           840000         (iv) Roots or thizome         0,1*           840010         Liquorice         0,1*           840020         Ginger         0,1*           840030         Turmeric (Curcuma)         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840050         Others         0,1*           840090         Others         0,1*           840990         Others         0,1*           840090         Others         0,1*           850010         Cloves         0,1*           850020         Capers         0,1*           860010         Saffron         0,1*           860010         Saffron         0,1*           870000         Vii) Aril         0,1*           870000         Sugar beet (root)         0,02*           900010         Sugar cane         0,02* <tr< td=""><td>820060</td><td></td><td>0,1*</td><td></td></tr<>	820060		0,1*	
820990         Others         0,1*           830000         (iii) Bark         0,1*           830010         Cinnamon(Cassia)         0,1*           830000         (iv) Roots or rhizome         0,1*           840000         Liquorice         0,1*           840010         Liquorice         0,1*           840010         Liquorice         0,1*           840020         Ginger         0,1*           840030         Turmeric (Curcuma)         0,1*           840040         Horseradish         0,1*           840050         Others         0,1*           840090         Others         0,1*           840990         Others         0,1*           850010         Cloves         0,1*           850010         Cloves         0,1*           860000         (vi) Flower stigma         0,1*           860010         Saffron         0,1*           860090         Others         0,1*           870000         Vers         0,1*           870000         Mace         0,1*           900000         9.SUGAR PLANTS         0,02*           900000         Sugar beet (root)         0,02*	820070	Vanilla pods	0,1*	
830000         (iii) Bark         0,1*           830990         Others         0,1*           830990         Others         0,1*           840000         (iv) Roots or thizome         0,1*           840010         Liquorice         0,1*           840010         Liquorice         0,1*           840020         Ginger         0,1*           840030         Turmeric (Curcuma)         0,1*           840040         Horseradish         0,1*           840090         Others         0,1*           840090         Others         0,1*           840990         Others         0,1*           850010         Cloves         0,1*           850010         Cloves         0,1*           860000         (vi) Flower stigma         0,1*           860010         Saffron         0,1*           860010         Saffron         0,1*           870000         Others         0,1*           870000         Wiers         0,02*           900000         Sugar beet (root)         0,02*           900000         Sugar care         0,02*           900000         Sugar care         0,02*	820080		0,1*	
830010         Cinnamon (Cassia)         0,1*           830990         Others         0,1*           840000         (iv) Roots or rhizome         0,1*           840010         Liquorice         0,1*           840020         Ginger         0,1*           840030         Turmeric (Curcuma)         0,1*           840030         Turmeric (Curcuma)         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840990         Others         0,1*           840040         Horseradish         0,1*           840990         Others         0,1*           850010         Cloves         0,1*           850020         Capers         0,1*           850020         Capers         0,1*           860010         Saffion         0,1*           860010         Saffion         0,1*           860010         Saffion         0,1*           870000         (vi) Aril         0,1*           870000         Mace         0,1*           900000         Sugar beet (root)         0,02*           900000         Sugar beet (root)         0,02*	820990	Others	0,1*	
830990         Others         0,1*           840000         (iv) Roots or rhizome         0,1*           840010         Liquorice         0,1*           840020         Ginger         0,1*           840030         Turmeric (Curcuma)         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840040         Others         0,1*           840050         Others         0,1*           840060         (v) Buds         0,1*           850070         Capers         0,1*           850990         Others         0,1*           860010         Saffron         0,1*           860090         Others         0,1*           870000         (vi) Aril         0,1*           870000         (vi) Aril         0,1*           900000         9. SUGAR PLANTS         0,02*           900000         9. SUGAR PLANTS         0,02*           900000         Sugar care         0,02*           900000         Sugar care         0,02* <td>830000</td> <td>(iii) Bark</td> <td>0,1*</td> <td></td>	830000	(iii) Bark	0,1*	
840000         (iv) Roots or rhizome         0,1*           840010         Liquonice         0,1*           840020         Ginger         0,1*           840030         Turmeric (Curcuna)         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840900         Others         0,1*           840900         (v) Buds         0,1*           850010         Cloves         0,1*           850020         Capers         0,1*           850090         Others         0,1*           860000         (vi) Flower stigma         0,1*           860000         (vi) Flower stigma         0,1*           860000         Others         0,1*           860000         (vii) Aril         0,1*           870000         Others         0,1*           870000         Sugar beet (root)         0,02*           9000010         Sugar cane         0,02*           900020         Sugar cane         0,02*           900030         Chicory roots	830010	Cinnamon (Cassia)	0,1*	
840010         Liquorice         0,1*           840020         Ginger         0,1*           840030         Turmeric (Curcuma)         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840990         Others         0,1*           840990         Others         0,1*           840990         (v) Buds         0,1*           850000         (v) Buds         0,1*           850020         Capers         0,1*           860000         (v) Flower stigma         0,1*           860010         Saffron         0,1*           860000         (vi) Flower stigma         0,1*           860990         Others         0,1*           870000         (vii) Aril         0,1*           870000         Sugar beet (root)         0,02*           900000         9.UGAR PLANTS         0,02*           900000         Sugar cane         0,02*           900000         Sugar cane         0,02*           900000         Chicory roots         0,02*           900900         Others         0,02*           9009900         Others         0,01* <td>830990</td> <td>Others</td> <td>0,1*</td> <td></td>	830990	Others	0,1*	
840020         Ginger         0,1*           840030         Turmeric (Curcuma)         0,1*           840040         Horseradish         0,1*           840040         Horseradish         0,1*           840990         Others         0,1*           840990         Others         0,1*           850010         (v) Buds         0,1*           850010         Cloves         0,1*           850020         Capers         0,1*           850000         (vi) Flower stigma         0,1*           860000         (vi) Flower stigma         0,1*           860000         Saffron         0,1*           860990         Others         0,1*           860990         Others         0,1*           870000         (vii) Aril         0,1*           870000         Vii Aril         0,1*           900000         9. SUGAR PLANTS         0,02*           900000         9. SUGAR PLANTS         0,02*           900000         Sugar care         0,02*           900000         Sugar care         0,02*           900020         Sugar care         0,02*           900990         Others         0,02*     <	840000	(iv) Roots or rhizome	0,1*	
840030         Turmeric (Curcuma)         0,1*           840040         Horseradish         0,1*           840990         Others         0,1*           840990         Others         0,1*           840990         Others         0,1*           850000         (v) Buds         0,1*           850010         Cloves         0,1*           850020         Capers         0,1*           850090         Others         0,1*           860000         (vi) Flower stigma         0,1*           860010         Saffron         0,1*           860090         Others         0,1*           860000         (vii) Aril         0,1*           870000         Others         0,1*           870000         Mace         0,1*           870000         Mace         0,1*           900000         9. SUGAR PLANTS         0,02*           900000         Sugar beet (root)         0,02*           900000         Sugar care         0,02*           900000         Sugar care         0,02*           900000         Io PRODUCTS OF ANIMAL         ORIGIN-TERRESTRIAL           ANIMALS         0,01*         0,01*	840010	Liquorice	0,1*	
840040         Horseradish         0,1*           840990         Others         0,1*           850000         (v) Buds         0,1*           850010         Cloves         0,1*           850020         Capers         0,1*           850020         Capers         0,1*           850920         Others         0,1*           850990         Others         0,1*           860010         Saffron         0,1*           860010         Saffron         0,1*           860990         Others         0,1*           860000         (vi) Flower stigma         0,1*           870000         (vii) Aril         0,1*           870000         (vii) Aril         0,1*           900000         9. SUGAR PLANTS         0,02*           900000         9. SUGAR PLANTS         0,02*           900000         Sugar care         0,02*           900000         Sugar care         0,02*           900000         Sugar care         0,02*           900000         Others         0,02*           900000         Others         0,02*           900000         I0. PRODUCTS OF ANIMAL         ORIGIN-TERRESTRIAL	840020	Ginger	0,1*	
840990         Others         0,1*           850000         (v) Buds         0,1*           850010         Cloves         0,1*           850020         Capers         0,1*           850030         Capers         0,1*           850040         Others         0,1*           850050         Others         0,1*           860000         (vi) Flower stigma         0,1*           860010         Saffron         0,1*           860000         (vii) Aril         0,1*           860000         (vii) Aril         0,1*           870000         (vii) Aril         0,1*           870000         SUGAR PLANTS         0,02*           900010         Sugar cane         0,02*           900020         Sugar cane         0,02*           900030         Chicory roots         0,02*           900030         Chicory roots         0,02*           9000000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS         0,01*           1010000         (i) Meat preparations of meat, offals, blood, animal fats fresh chilled or frozen, salted, in brine, dired or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these         0,01*	840030	Turmeric (Curcuma)	0,1*	
850000         (v) Buds         0,1*           850010         Cloves         0,1*           850020         Capers         0,1*           850020         Capers         0,1*           850020         Others         0,1*           860000         (vi) Flower stigma         0,1*           860010         Saffron         0,1*           860000         (vi) Flower stigma         0,1*           860010         Saffron         0,1*           860000         (vii) Aril         0,1*           870000         (vii) Aril         0,1*           870000         Vii) Aril         0,1*           900000         9. SUGAR PLANTS         0,02*           900000         9. SUGAR PLANTS         0,02*           900000         Sugar cane         0,02*           900000         Sugar cane         0,02*           900000         Sugar cane         0,02*           900000         I0. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS         0,01*           1010000         (i) Meat preparations of meat, offals, blood, animal fats fresh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these         0,01*	840040	Horseradish	0,1*	
850010         Cloves         0,1*           850020         Capers         0,1*           850990         Others         0,1*           850990         Others         0,1*           860000         (vi) Flower stigma         0,1*           860010         Saffron         0,1*           860900         Others         0,1*           860900         Others         0,1*           870000         (vii) Aril         0,1*           870000         Vii) Aril         0,1*           870000         SUGAR PLANTS         0,02*           900000         Sugar beet (root)         0,02*           900020         Sugar cane         0,02*           900020         Sugar cane         0,02*           900020         Sugar cane         0,02*           900900         Others         0,02*           900900         Others         0,02*           1000000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS         0,01*           1010000         (i) Meat preparations of meat, offals, blood, animal fats fresh chilled or storked or processed as flours or meals other processed products such as sausages and food preparations based on these         0,01*	840990	Others	0,1*	
850020         Capers         0,1*           850990         Others         0,1*           860000         (vi) Flower stigma         0,1*           860010         Saffron         0,1*           860010         Saffron         0,1*           860900         Others         0,1*           860990         Others         0,1*           8700000         (vii) Aril         0,1*           870010         Mace         0,1*           870990         Others         0,1*           900000         9. SUGAR PLANTS         0,02*           900000         Sugar beet (root)         0,02*           900020         Sugar cane         0,02*           900020         Sugar cane         0,02*           900020         Chicory roots         0,02*           900900         Others         0,02*           900900         Others         0,02*           10000000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS         0,01*           1010000         (i) Meat, preparations of meat, offak, blood, animal fats fresh chilled or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these         0,01* <td>850000</td> <td>(v) Buds</td> <td>0,1*</td> <td></td>	850000	(v) Buds	0,1*	
850990         Others         0,1*           860000         (vi) Flower stigma         0,1*           860010         Saffron         0,1*           860090         Others         0,1*           860900         Others         0,1*           870000         (vii) Aril         0,1*           870000         (vii) Aril         0,1*           870000         Mace         0,1*           970000         Mace         0,1*           900000         9. SUGAR PLANTS         0,02*           900000         Sugar beet (root)         0,02*           900020         Sugar cane         0,02*           900030         Chicory roots         0,02*           900030         Chicory roots         0,02*           900030         Others         0,02*           1000000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS         0,01*           1010000         (i) Meat, preparations of meat, offats, blood, animal fats firsh chilled or stocked or processed as flours or meals other processed products such as sausages and food preparations based on these         0,01*	850010	Cloves	0,1*	
860000         (vi) Flower stigma         0,1*           860010         Saffron         0,1*           860990         Others         0,1*           870000         (vii) Aril         0,1*           870000         (vii) Aril         0,1*           870000         Mace         0,1*           870000         Mace         0,1*           970010         Mace         0,1*           900000         9. SUGAR PLANTS         0,02*           900010         Sugar beet (root)         0,02*           900020         Sugar cane         0,02*           900030         Chicory roots         0,02*           900030         Others         0,02*           900030         Others         0,02*           900030         Others         0,02*           900930         Others         0,02*           900900         Others         0,02*           900900         Others         0,01*           1000000         10.PRODUCTS OF ANIMAL         0,01*           0100000         (i) Meat, preparations of meat, offak, bloed, animal fats firsh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed as flours or meals other processed as flours or meals other processed	850020	Capers	0,1*	
860010         Saffron         0,1*           860990         Others         0,1*           870000         (vii) Aril         0,1*           870010         Mace         0,1*           870010         Mace         0,1*           870010         Mace         0,1*           870900         Others         0,1*           900000         9. SUGAR PLANTS         0,02*           900010         Sugar beet (root)         0,02*           900020         Sugar care         0,02*           900030         Chicory roots         0,02*           900990         Others         0,02*           900990         Others         0,02*           1000000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS         0,01*           1010000         (i) Meat, preparations of meat, offals, blood, animal fats fresh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed as floure products such as sausages and food preparations based on these         0,01*	850990	Others	0,1*	
860990         Others         0,1*           870000         (vii) Aril         0,1*           870010         Mace         0,1*           870990         Others         0,1*           970990         Others         0,1*           900000         9. SUGAR PLANTS         0,02*           900010         Sugar beet (root)         0,02*           900020         Sugar cane         0,02*           900030         Chicory roots         0,02*           9000000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS         0,01*           1010000         (i) Meat preparations of meat, offals, blood, animal fats fresh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these         0,01*	860000	(vi) Flower stigma	0,1*	
870000         (vii) Aril         0,1*           870010         Mace         0,1*           870900         Others         0,1*           900000         9. SUGAR PLANTS         0,02*           900010         Sugar beet (root)         0,02*           900020         Sugar cane         0,02*           900030         Chicory roots         0,02*           900900         Others         0,02*           900900         Others         0,02*           900900         Others         0,02*           900900         Others         0,02*           1000000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS         0,01*           1010000         (i) Meat, preparations of meat, offals, blood, animal fats fresh chilled or storked or processed as flours or meals other processed as flood preparations based on these         0,01*	860010	Saffron	0,1*	
870010         Mace         0,1*           870990         Others         0,1*           900000         9. SUGAR PLANTS         0,02*           900010         Sugar beet (root)         0,02*           900020         Sugar cane         0,02*           900030         Chicory roots         0,02*           900990         Others         0,02*           900990         Others         0,02*           1000000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS         0,01*           1010000         (i) Meat, preparations of meat, offak, blood, animal fats fresh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these         0,01*	860990	Others	0,1*	
870990         Others         0,1*           900000         9. SUGAR PLANTS         0,02*           900010         Sugar beet (root)         0,02*           900020         Sugar care         0,02*           900030         Chicory roots         0,02*           900900         Others         0,02*           900900         Others         0,02*           900900         Others         0,02*           1000000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS         0,01*           1010000         (i) Meat, preparations of meat, offals, blood, animal fats firsh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these         0,01*	870000	(vii) Aril	0,1*	
900000     9. SUGAR PLANTS     0,02*       900010     Sugar beet (root)     0,02*       900020     Sugar cane     0,02*       900030     Chicory roots     0,02*       900900     Others     0,02*       900900     Others     0,02*       1000000     10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS     0,01*       1010000     (i) Meat, preparations of meat, offals, blood, animal fats fresh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these     0,01*	870010	Mace	0,1*	
900010         Sugar beet (root)         0,02*           900020         Sugar cane         0,02*           900030         Chicory roots         0,02*           900990         Others         0,02*           900000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL         0,02*           1000000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL         0,01*           1010000         (i) Meat, preparations of meat, offals, blood, animal fats fresh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed as	870990	Others	0,1*	
900020         Sugar cane         0,02*           900030         Chicory roots         0,02*           900990         Others         0,02*           1000000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS         0,01*           1010000         (i) Meat, preparations of meat, offals, blood, animal fats fresh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these         0,01*	900000	9. SUGAR PLANTS	0,02*	
900030     Chicory roots     0,02*       900990     Others     0,02*       1000000     10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS     0,01*       1010000     (i) Meat, preparations of meat, offals, blood, animal fats fresh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these     0,01*	900010	Sugar beet (root)	0,02*	
900990         Others         0,02*           1000000         10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS         0,01*           0100000         (i) Meat, preparations of meat, offals, blood, animal fats fresh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these         0,01*	900020	Sugar cane	0,02*	
1000000     10. PRODUCTS OF ANIMAL ORIGIN-TERRESTRIAL ANIMALS     0,01*       1010000     (i) Meat, preparations of meat, offals, blood, animal fats firsh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these     0,01*	900030	Chicory roots	0,02*	
ORIGIN-TERRESTRIAL ANIMALS 0,01* 1010000 (i) Meat, preparations of meat, offals, blood, animal fats fresh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these 0,01*	900990	Others	0,02*	
offals, blood, animal fats fresh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed products such as sausages and food preparations based on these 0,01*	1000000	ORIGIN-TERRESTRIAL	0,01*	
	1010000	offals, blood, animal fats fresh chilled or frozen, salted, in brine, dried or smoked or processed as flours or meals other processed products such as sausages and		
	1011000	food preparations based on these (a) Swine	0,01*	

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European Food	Safety Authority

Modification of the existing	MRLs for pymetrozine in lamb's lettuce and beans (v	with pods)

Code number	Groups and examples of individual products to which	Pymetrozine (existing	Pymetrozine (proposed
number	the MRLs apply	MRLs)	MRLsin
	and the apply		MRL
			review)
1011010	Meat	0,01*	0.01*
1011020	Fat free of lean meat	0,01*	0.01*
1011030	Liver	0,01*	0.01*
1011040	Kidney	0,01*	0.01*
1011050	Edible offal	0,01*	
1011990	Others	0,01*	
1012000	(b) Bovine	0,01*	
1012010	Meat	0,01*	0.01*
1012020	Fat	0,01*	0.01*
1012030	Liver	0,01*	0.01*
1012040	Kidney	0,01*	0.01*
1012050	Edible offal	0,01*	
1012990	Others	0,01*	
1013000	(c) Sheep	0,01*	
1013010	Meat	0,01*	0.01*
1013020	Fat	0,01*	0.01*
1013030	Liver	0,01*	0.01*
1013040	Kidney	0,01*	0.01*
1013050	Edible offal	0,01*	
1013990	Others	0,01*	
1014000	(d) Goat	0,01*	
1014010	Meat	0,01*	0.01*
1014020	Fat	0,01*	0.01*
1014030	Liver	0,01*	0.01*
1014040	Kidney	0,01*	0.01*
1014050	Edible offal	0,01*	
1014990	Others	0,01*	
1015000	(e) Horses, asses, mules or		
	hinnies	0,01*	

Code number	Groups and examples of individual products to which the MRLs apply	Pymetrozine (existing MRLs)	Pymetrozine (proposed MRLs in MRL review)
1015010	Meat	0,01*	TCVR(W)
1015020	Fat	0,01*	
1015030	Liver	0,01*	
1015040	Kidney	0,01*	
1015050	Edible offal	0.01*	
1015990	Others	0,01*	
1016000	(f) Poultry -chicken, geese, duck, turkey and Guinea fowl-, ostrich,	0,01*	
1016010	pigeon Meat	0,01*	
1016010	Fat	0,01*	
1016020	Liver	0,01*	
1016030	Kidney	0,01*	
1016040	Edible offal	0,01*	
1016050	Others	0,01*	
1010990	(g) Other farm animals (Rabbit, Kangaroo)	0,01*	
1017010	Meat	0,01*	
1017020	Fat	0,01*	
1017020	Liver	0,01*	
1017040	Kidney	0,01*	
1017050	Edible offal	0,01*	
1017990	Others	0.01*	
1020000	(ii) Milk and cream, not concentrated, nor containing added sugar or sweetening matter, butter and other fats derived from milk, cheese and curd	0,01*	
1020010	Cattle	0,01*	$0.02^{*a}$

Code number	Groups and examples of individual products to which the MRLs apply	Pymetrozine (existing MRLs)	Pymetrozine (proposed MRLs in MRL review)
1020020	Sheep	0,01*	$0.02^{*a}$
1020030	Goat	0,01*	$0.02^{*a}$
1020040	Horse	0,01*	
1020990	Others	0,01*	
1030000	(iii) Birds' eggs, fresh preserved or cooked Shelled eggs and egg yolks fresh, dried, cooked by stearning or boiling in water, moulded, frozen or otherwise preserved whether or not containing added sugar or sweetening matter	0,01*	
1030010	Chicken	0,01*	
1030020	Duck	0.01*	
1030030	Goose	0,01*	
1030040	Ouail	0.01*	
1030990	Others	0,01*	
1040000	(iv) Honey (Royal jelly, pollen)	0,01*	
1050000	(v) Amphibians and reptiles (Frog legs, crocodiles)	0,01*	
1060000	(vi) Snails	0,01*	
1070000	(vii) Other terrestrial animal products	0,01*	
(*) Indicat	tes lower limit of analytical	determination	1
pymetrozi	residue definition "pyme ne and its phosphate one" as proposed in the Artic	conjugate, ex	pressed as



ABBREVIATION	S
ADI	acceptable daily intake
ARfD	acute reference dose
a.s.	active substance
BBCH	growth stages of mono- and dicotyledonous plants
bw	body weight
CAC	Codex Alimentarius Commission
CF	conversion factor for enforcement residue definition to risk assessment residue definition
CIPAC	Collaborative International Pesticide Analytical Council
CXL	Codex Maximum Residue Limit (Codex MRL)
d	day
DAR	Draft Assessment Report
EFSA	European Food Safety Authority
EMS	evaluating Member State
GAP	good agricultural practice
GCPF	Global Crop Protection Federation (former GIFAP)
GLP	Good Laboratory Practice
GS	growth stage
ha	hectare
hL	hectolitre
IPCS	International Programme of Chemical Safety
ISO	International Organisation for Standardisation
IUPAC	International Union of Pure and Applied Chemistry
kg	kilogram
L	litre
LOQ	limit of quantification
MRL	maximum residue level
NEU	northern European Union
PHI	pre-harvest interval
RD	residue definition
RMS	rapporteur Member State
SEU	Southern European Union
WG	water dispersible granule

### **ABBREVIATIONS**