

REASONED OPINION OF EFSA

Review of the existing MRLs for triasulfuron¹

Prepared by the Pesticides Unit (PRAPeR)

(Question No EFSA-Q-2008-641)

Issued on 22 April 2009

SUMMARY

Article 12(2) of Regulation (EC) No 396/2005 lays down that EFSA shall provide by 01 September 2009 a reasoned opinion on the review of the existing MRLs for triasulfuron as this active substance was included in Annex I to Directive 91/414/EEC before 02 September 2008. In order to collect the pesticide residues data supporting the existing MRLs for that active substance, EFSA asked France, as the designated Rapporteur Member State, to complete the Pesticide Residue Overview File (PROFile). The completed PROFile was submitted to EFSA on 20 October 2008. Based on the information provided in the PROFile, EFSA derives the following conclusions and recommendations.

Metabolism was sufficiently investigated for foliar treatments in cereals and the relevant residue for enforcement and risk assessment in both cereal grains and cereal straw is defined as triasulfuron. A valid analytical method for the enforcement of this residue definition with an LOQ of 0.01 mg/kg is also available. As triasulfuron is only authorized for use in cereal crops, the proposed residue definition covers all crops evaluated in the framework of this review. Additionally, a sufficient number of supervised residues trials supporting the authorized GAPs for triasulfuron is available. These trials allow EFSA to estimate the expected residue concentrations in the relevant plant commodities and to derive appropriate MRLs.

As quantifiable residues of triasulfuron are not expected in cereal grains, there is no need to investigate the effect of industrial and/or household processing. Specific processing factors for enforcement of processed commodities are also not proposed.

According to the RMS, occurrence of triasulfuron residues in rotational crops was investigated but TRR levels were found to be very low, even at high application rates. Significant residues, exceeding 0.01 mg/kg, are therefore not expected.

The dietary burden resulting from the authorised uses of triasulfuron was calculated for each type of livestock. As all the calculated intakes represented less than 0.1 mg/kg DM,

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significant residues in commodities of animal origin are not expected and MRLs are not proposed.

The chronic exposure of consumers resulting from the proposed MRLs was calculated but acute intake calculations were not undertaken as an ARfD was not deemed necessary for triasulfuron. As the calculated intakes are all below the toxicological reference values, it is concluded that the proposed MRLs are not of concern for the European consumer.

An overview of the resulting MRL recommendations is included in the table below. In view of the future need to set MRLs for feed items, tentative MRLs are also derived for cereal straw which might be included in Annex I to Regulation (EC) No 396/2005. As all the proposed MRLs are fully supported by data, they are recommended for inclusion in Annex II to Regulation (EC) No 396/2005.

Specific areas of concern or data gaps were not identified in the framework of this review but it is noted that for enforcement of triasulfuron in plant commodities a more suitable analytical method might be available than the one reported in this opinion. If considered necessary, procedures and timelines for evaluation of this additional method should be agreed between the Commission, Member States and EFSA.

Overview of the recommended EC MRLs

Commodity	Existing EC MRL (mg/kg)	Proposed EC MRL (mg/kg)	Justification for the proposal
Residue definition for enforcem	ent: triasulfuron		
Barley grain	0.05*	0.01*	The proposed MRLs are sufficiently
Oats grain	0.05*	0.01*	supported by data and no risk to consumers is identified. Recommended for inclusion in
Rye grain	0.05*	0.01*	Annex II.
Wheat grain	0.05*	0.01*	
Barley straw	-	0.05	
Oats straw	-	0.05	
Rye straw	-	0.05	
Wheat straw	-	0.05	
Other products of plant origin	see Appendix C	-	No recommendation as there are no authorized uses, import tolerances or CXLs.
Products of animal origin	-	-	No recommendation as the residues intake by livestock is insignificant.

^{(*):} Indicates that the MRL is set at the limit of analytical quantification.

Key words: triasulfuron, MRL review, Regulation (EC) No 396/2005, consumer risk assessment, triazinylsulfonylurea herbicides



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BACKGROUND

Regulation (EC) No 396/2005 establishes the rules governing the setting as well as the review of pesticide MRLs at Community level. Article 12(2) of that regulation lays down that EFSA shall provide by 01 September 2009 a reasoned opinion on the review of the existing MRLs for all active substances included in Annex I to Directive 91/414/EEC before 02 September 2008.

According to Article 12(1) of the Regulation, EFSA shall base its reasoned opinion in particular on the relevant assessment report prepared under Directive 91/414/EEC. It should be noted, however, that in the framework of Directive 91/414/EEC only a few representative uses are evaluated while MRLs set out in Regulation (EC) No 396/2005 should accommodate for all uses authorised within the EC as well as uses authorised in third countries having a significant impact on international trade. The information included in the assessment report prepared under Directive 91/414/EEC is therefore insufficient for the assessment of all existing MRLs for a given active substance.

In order to have an overview on the pesticide residues data that have been considered for the setting of the MRLs under the former MRL legislation, EFSA developed the Pesticide Residue Overview File (PROFile). The PROFile is an electronic inventory of all pesticide residues data relevant to the risk assessment as well as the MRL setting for a given active substance. This includes data on:

- the nature and magnitude of residues in primary crops;
- the nature and magnitude of residues in processed commodities;
- the nature and magnitude of residues in rotational crops;
- the nature and magnitude of residues in livestock commodities and;
- the analytical methods for enforcement of the proposed MRLs.

As triasulfuron was included in Annex I to Directive 91/414/EEC on 01 August 2001, EFSA initiated the review of all existing MRLs for that active substance and a self-task with the reference number EFSA-Q-2008-641 was included in the EFSA Register of Question.

France, the designated Rapporteur Member State (RMS) in the framework of Directive 91/414/EEC, was asked to complete the PROFile for triasulfuron. The completed PROFile was submitted to EFSA on 20 October 2008 and subsequently checked for completeness. On 12 February 2009, after having clarified some issues with the RMS, the PROFile was considered complete for assessment.

Based on the PROFile, EFSA prepared a draft reasoned opinion which was circulated to Member States (MS) for commenting on 06 March 2009. All MS comments received by 03 April 2009 were considered by EFSA for finalization of the reasoned opinion.



TERMS OF REFERENCE

According to Article 12(1) of Regulation (EC) No 396/2005, EFSA shall provide a reasoned opinion on:

- the inclusion of the active substance in Annex IV to the Regulation, when appropriate;
- the necessity of setting new MRLs for the active substance or deleting/modifying existing MRLs set out in Annex II or III of the Regulation;
- the inclusion of the recommended MRLs in Annex II or III to the Regulation;
- the setting of specific processing factors as referred to in Article 20(2) of the Regulation.

According to Article 12(2) of that Regulation, the reasoned opinion shall be provided within 12 months of the entry into force of this regulation. As the Regulation entered into force on 02 September 2008, the calculated deadline for providing the reasoned opinion is 01 September 2009.

ACKNOWLEDGEMENTS

The European Food Safety Authority wishes to thank the Rapporteur Member State France for the good collaboration as well as the completion of the PROFile.



THE ACTIVE SUBSTANCE AND ITS USE PATTERN

Triasulfuron is the ISO common name for 1-[2-(2-chloroethoxy)phenylsulfonyl]-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea (IUPAC).

$$\begin{array}{c|c}
& \text{OCH}_3\\
& \text{N} \\
& \text{N} \\
& \text{N} \\
& \text{OCH}_2\text{CH}_2\text{CI}
\end{array}$$

Triasulfuron belongs to the class of triazinylsulfonylurea herbicides. It is a selective herbicide which is absorbed by the leaves and the roots and rapidly translocated to the meristems. It inhibits the biosynthesis of essential amino acids, hence stopping the cell division and plant growth. Its selectivity depends on the rapidity of metabolism in the crop.

Triasulfuron was evaluated in the framework of Directive 91/414/EEC in stage 1 with France being the designated Rapporteur Member State (RMS). The representative uses supported for the peer review process were post-emergence outdoor applications in cereals with application rates up to 7.5 g a.s./ha (growth stage BBCH 32 at the latest). The uses were supported for both the Northern and Southern European region. Following the peer review a decision on inclusion of the active substance in Annex I to Directive 91/414/EEC was taken and published in Directive 2000/66/EC. The Annex I inclusion entered into force on 01 August 2001. Following this Annex I inclusion, Member States were granted a period of 4 years to review their national authorizations in accordance with the uniform principles of Annex VI. Particular attention was requested for the protection of groundwater as well as the impact on aquatic organisms.

EC MRLs for triasulfuron in products of plant origin have been set for the first time in 2002 by means of Directive 2002/97/EC. These MRLs were based on the uses authorised within the EC at that time and are still valid since they were transferred to Annex II of Regulation (EC) No 396/2005 without any amendments. Additional MRLs for commodities that were not covered by the former European MRL legislation are established in Annex III B of the Regulation. These temporary MRLs were derived from the MRLs that have been set at national level before the Regulation entered into force. All existing EC MRLs for triasulfuron are summarized in Appendix C to this document. There are no CXLs for triasulfuron.

For the purpose of this MRL review the critical uses of triasulfuron currently authorized within the EC have been reported by the RMS. A detailed overview of the critical GAPs is available in Appendix A to this document. They include a post-emergence outdoor application in several cereal crops with application rates up to 7.5 g a.s./ha in Northern Europe and up to 11 g a.s./ha in Southern Europe. The application is carried out at growth stage BBCH 32 at the latest. As the deadline for review of national authorizations in the framework of Directive 91/414/EEC already expired, these GAPs are not expected in the near future to be subject to a national review.



ASSESSMENT

1. Methods of analysis

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

The RMS reported that several analytical methods are available for triasulfuron in plant commodities. The main analytical method referenced by the RMS is based on HPLC with UV detection and sufficiently validated for determination of triasulfuron in cereal grains (dry commodities) as well as cereal straw. The LOQ derived for triasulfuron in dry commodities and straw amounts to 0.01 mg/kg.

During the consultation of Member States, Germany highlighted that the analytical method reported by the RMS is too extensive and that the multiresidue method EN15637 (ChemElut) would be more appropriate for enforcement of triasulfuron in dry commodities. As the validation data for this method has never been evaluated by the RMS under the former pesticide residues legislation, it was not yet possible to conclude on the validity of this analytical method. Procedures and timelines for evaluation of this additional method should therefore be agreed between the Commission, Member States and EFSA.

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

As the dietary burden of livestock resulting from triasulfuron residues is not significant (see also section 3.2.1) an analytical method for enforcement of residues in animal commodities is normally not required.

Nevertheless, an analytical method based on HPLC with UV detection was reported by the RMS and is sufficiently validated for determination of triasulfuron in meat, fat, liver, milk and eggs. The derived LOQ amounts to 0.01 mg/kg in milk and to 0.05 mg/kg in meat, fat, liver and eggs.

2. Mammalian toxicology

The toxicological assessment of triasulfuron was peer reviewed under Directive 91/414/EEC and toxicological reference values were published by the European Commission (2000). These toxicological reference values are summarized in the table below.

Table 2-1. Overview of the toxicological reference values

	Source	Year	Value (mg/kg bw/d)	Study relied upon	Safety factor
Triasulfuron					
ADI	COM	2000	0.01	2 year oral mouse study	100
ARfD	COM	2000	n.n.	-	-

n.n. not necessary



3. Residues

3.1. Nature and magnitude of residues in plant

3.1.1. Primary crops

3.1.1.1. Nature of residues

According to the PROFile submitted by the RMS a representative metabolism study is available for foliar treatments in cereals. The relevant residue for enforcement and risk assessment in cereals can be defined as the parent compound only. As triasulfuron is only authorized for use in cereal crops, further plant metabolism studies are not required and there is no need to propose a general residue definition for all plant commodities.

A valid analytical method for enforcement of the proposed residue definition is also available (see section 1.1).

3.1.1.2. Magnitude of residues

Supervised residues field trials supporting the authorized GAPs for cereals were reported by the RMS. The results of the residues trials are summarized in Table 3-1. In general, it is noted that the residues trials were overdosed compared to the authorized GAPs and that a low number of residues trials are available for Southern Europe, in particular for wheat straw. However, this is considered acceptable as all residue levels were below the LOQ.

Storage stability of triasulfuron was demonstrated for a period of 24 months at -15 °C in dry commodities and in straw, hereby covering all cereal crops evaluated in the framework of this review. As all the residues trial samples were stored in accordance with these conditions, degradation of residues during storage of the trial samples is not expected.

Consequently, the available residues data are considered sufficient to derive MRL proposals as well as risk assessment values for all commodities under evaluation (see also Table 3-1). In view of the future need to set MRLs for feed items, tentative MRLs are also derived for cereal straw which might be included in Annex I to Regulation (EC) No 396/2005.



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

Commodity			STMR	HR	MRL	Median	Comments			
	(a)	/Indoor	Enforcement	Risk assessment	(mg/kg)	(mg/kg)	proposal (mg/kg)	CF (d)		
Residue definition for enforcement and risk assessment: triasulfuron										
Barley grain Oats grain Rye grain Wheat grain	NEU	Outdoor	15 x <0.01	15 x <0.01	0.01	0.01	0.01*	1.0	- Combined dataset on barley (6), rye (2) and wheat (7) with application rates of 15 g a.s./ha. Overdosed trials are considered acceptable as residues are below the LOQ 7 confirmatory trials on barley (2) and wheat (5) with residues <0.02 mg/kg.	
	SEU	Outdoor	3 x <0.01	3 x <0.01	0.01	0.01	0.01*	1.0	- Trials performed on wheat with application rates of 15 g a.s./ha. Overdosed trials considered acceptable as residues below LOQ 2 confirmatory trials on wheat with residues <0.02 mg/kg.	
Barley straw Oats straw Rye straw Wheat straw	NEU	Outdoor	2 x <0.01; 4 x <0.02; 10 x <0.04	2 x <0.01; 4 x <0.02; 10 x <0.04	0.04	0.04	0.05	1.0	Combined dataset on barley (7), rye (2) and wheat (7) with application rates of 15 g a.s./ha. Overdosed trials are considered acceptable as residues are below the LOQ.	



Commodity	Region	Outdoor	Individual trial	Individual trial results (mg/kg)		STMR HR		Median	Comments	
	(a)	/Indoor	Enforcement	Risk assessment	(mg/kg) (b)			CF (d)		
	SEU	Outdoor	2 x <0.01; 4 x <0.02; 10 x <0.04	2 x <0.01; 4 x <0.02; 10 x <0.04	0.04	0.04	0.05	1.0	- Results obtained in NEU were used for SEU as the trials were overdosed and all results were below the LOQ Confirmatory trials in US and Brazil with residues <0.02 mg/kg.	

- (*): Indicates that the MRL is set at the limit of analytical quantification.
- (a): NEU, SEU, EU or Import (country code). In the case of indoor uses there is no necessity to differentiate between NEU and SEU.
- (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 residues trial. The individual conversion factor for each trial is defined as the ratio of the trial result according to the risk assessment residue definition and the result according to the enforcement residue definition.



3.1.1.3. Effect of industrial processing and/or household preparation

As quantifiable residues of triasulfuron are not expected in cereal grains, there is no need to investigate the effect of industrial and/or household processing from a risk assessment point of view.

Although not required, the RMS still reported 5 processing studies for barley flour, barley bran, barley pot, wheat flour and wheat bran. The available processing studies for wheat are also applicable to rye considering the morphological similarities between both cereal species. Residue definitions in these processed commodities are considered the same as for the raw agricultural commodities because the processes do not involve heating or hydrolytic steps. The derived processing factors demonstrate that concentration of residues in the processed commodities is not expected. This is of particular importance for the livestock dietary burden calculation where a processing factor of 1 can be used for wheat bran and rye bran instead of the default factor of 8.

For enforcement purposes, however, processing factors cannot be recommended as residue levels in both raw and processed commodities were below the LOQ. Moreover, only 1 study is available for each type of processing.

Table 3-2.	Overview of	the available	e processing	studies

Processed commodity	Number of studies	Median PF ^(a)	Median CF (b)	Comments				
Residue definition for enforcement and risk assessment: triasulfuron								
Barley, whole-meal flour	1	1.00	1.0	Proposed processing factors cannot				
Barley, pot/pearl	1	1.00	1.0	be recommended for enforcement purposes as only 1 study is				
Barley, bran	1	1.00	1.0	available for each type of				
Rye, white flour	1	1.00	1.0	processing and residue levels in both raw and processed				
Rye, bran	1	1.00	1.0	commodities were below the LOQ.				
Wheat, white flour	1	1.00	1.0					
Wheat, bran	1	1.00	1.0					

⁽a): The median processing factor is obtained by calculating the median of the individual processing factors of each processing study.

3.1.2. Rotational crops

3.1.2.1. Preliminary considerations

The cereal crops evaluated in the framework of this review might be grown in rotation with other crops. During the peer review under Directive 91/414/EEC, it was also demonstrated in several degradation field studies that the DT90 value for triasulfuron may exceed the trigger value of 100 days (European Commission, 2000). A detailed assessment of the nature and magnitude of triasulfuron residues is therefore considered relevant.

⁽b): The median conversion factor for enforcement to risk assessment is obtained by calculating the median of the individual conversion factors of each processing study. The individual conversion factor for each trial is defined as the ratio of the trial result according to the risk assessment residue definition and the result according to the enforcement residue definition.



3.1.2.2. Nature of residues

The RMS reported in the PROFile a confined rotational crop study with representative crops for the root and tuber vegetables, leafy vegetables, pulses and oilseeds as well as cereals. Based on the available study it was not possible to conclude on the comparability of the metabolic patterns in rotational and primary crops. Nevertheless, specific residue definitions for rotational crops were not considered necessary because TRR levels in all rotational crops were very low, even after high application rates.

3.1.2.3. Magnitude of residues

Considering the confined rotational crop study, the total residue of triasulfuron in rotational crops is not expected to exceed 0.01 mg/kg.

3.2. Nature and magnitude of residues in livestock

3.2.1. Dietary burden in livestock

Both cereal grains and cereal straw might be fed to livestock. The dietary burden for the different types of livestock was therefore calculated using the EFSA livestock dietary burden calculator. The input values for the calculation are summarized in Table 3-4. For cereal grain and bran the STMR was used for calculating the maximum dietary burden as these commodities are considered to be bulked.

According to the results of the calculations reported in Table 3-5, the trigger value of 0.1 mg/kg DM is not exceeded for any of the relevant livestock species. Further investigation of triasulfuron residues in commodities of animal origin is therefore not required.

Table 3-4. Input values for the dietary burden calculation

Commodity	Median	dietary burden	Maximu	n dietary burden
	Input value (mg/kg)	Comment	Input value (mg/kg)	Comment
Residue definition for risk asses	sment: triasulfu	on		
Barley grain	0.01	STMR	0.01	STMR
Oats grain	0.01	STMR	0.01	STMR
Rye grain	0.01	STMR	0.01	STMR
Wheat grain	0.01	STMR	0.01	STMR
Rye bran	0.01	STMR*PF	0.01	STMR*PF
Wheat bran	0.01	STMR*PF	0.01	STMR*PF
Barley straw	0.04	STMR	0.04	HR
Oats straw	0.04	STMR	0.04	HR
Rye straw	0.04	STMR	0.04	HR
Wheat straw	0.04	STMR	0.04	HR



	Maximum dietary burden (mg/kg bw/d)	Median dietary burden (mg/kg bw/d)	Highest contributing commodity	Max dietary burden (mg/kg DM)	Trigger exceeded ?			
Residue definition for	Residue definition for risk assessment: triasulfuron							
Dairy ruminants	0.00051	0.00051	Wheat straw	0.01	No			
Meat ruminants	0.00125	0.00125	Wheat straw	0.03	No			
Poultry	0.00051	0.00051	Wheat grain	0.01	No			
Pigs	0.00037	0.00037	Wheat grain	0.01	No			

Table 3-5. Results of the dietary burden calculation

3.2.2. Nature of residues

Although not required, the RMS reported in the PROFile that livestock metabolism studies are available for ruminants and for poultry. It is also concluded by the RMS that ruminant metabolism can be extrapolated to pigs and that it would be possible to propose a general residue definition for all commodities of animal origin, provided that there is a significant intake. However, as there is no significant intake, residue definitions were not proposed by the RMS.

3.2.3. Magnitude of residues

As there is no significant intake by the different types of livestock, residues in livestock commodities are not expected and there is no need to propose MRLs for commodities of animal origin.

4. Consumer risk assessment

Chronic intake calculations considering the MRLs proposed in the framework of this review were performed using revision 2 of the EFSA PRIMo. The input values for the proposed MRLs are summarized in Table 4-1. The contributions of other commodities, for which MRLs are currently established at the LOQ, were not included in the calculation. Acute intake calculations were not conducted as an ARfD for triasulfuron was not deemed necessary.

Detailed results of the chronic intake calculations are reported in Appendix B to this document. For all European diets chronic exposure represented less than 1% of the ADI. As the calculated intakes are all below the toxicological reference values, it can be concluded that the supported uses are not of concern for the European consumer.

Table 4-1. Input values for the consumer risk assessment

Commodity	Chronic	risk assessment	Acute risk assessment			
	Input value (mg/kg)	Comment	Input value (mg/kg)	Comment		
Residue definition for risk assessment: triasulfuron						
Barley grain	0.01	STMR	n.n.	-		



Commodity	Chronic	risk assessment	Acute risk assessment		
	Input value (mg/kg)	Comment	Input value (mg/kg)	Comment	
Oats grain	0.01	STMR	n.n.	-	
Rye grain	0.01	STMR	n.n.	-	
Wheat grain	0.01	STMR	n.n.	-	

n.n. not necessary

CONCLUSIONS AND RECOMMENDATIONS

Article 12(2) of Regulation (EC) No 396/2005 lays down that EFSA shall provide by 01 September 2009 a reasoned opinion on the review of the existing MRLs for triasulfuron as this active substance was included in Annex I to Directive 91/414/EEC before 02 September 2008. In order to collect the pesticide residues data supporting the existing MRLs for that active substance, EFSA asked France, as the designated Rapporteur Member State, to complete the Pesticide Residue Overview File (PROFile). The completed PROFile was submitted to EFSA on 20 October 2008. Based on the information provided in the PROFile, EFSA derives the following conclusions and recommendations.

Metabolism was sufficiently investigated for foliar treatments in cereals and the relevant residue for enforcement and risk assessment in both cereal grains and cereal straw is defined as triasulfuron. A valid analytical method for the enforcement of this residue definition with an LOQ of 0.01 mg/kg is also available. As triasulfuron is only authorized for use in cereal crops, the proposed residue definition covers all crops evaluated in the framework of this review. Additionally, a sufficient number of supervised residues trials supporting the authorized GAPs for triasulfuron is available. These trials allow EFSA to estimate the expected residue concentrations in the relevant plant commodities and to derive appropriate MRLs.

As quantifiable residues of triasulfuron are not expected in cereal grains, there is no need to investigate the effect of industrial and/or household processing. Specific processing factors for enforcement of processed commodities are also not proposed.

According to the RMS, occurrence of triasulfuron residues in rotational crops was investigated but TRR levels were found to be very low, even at high application rates. Significant residues, exceeding 0.01 mg/kg, are therefore not expected.

The dietary burden resulting from the authorised uses of triasulfuron was calculated for each type of livestock. As all the calculated intakes represented less than 0.1 mg/kg DM, significant residues in commodities of animal origin are not expected and MRLs are not proposed.

The chronic exposure of consumers resulting from the proposed MRLs was calculated but acute intake calculations were not undertaken as an ARfD was not deemed necessary for triasulfuron. As the calculated intakes are all below the toxicological reference values, it is concluded that the proposed MRLs are not of concern for the European consumer.

An overview of the resulting MRL recommendations is included in the table below. In view of the future need to set MRLs for feed items, tentative MRLs are also derived for cereal straw which might be included in Annex I to Regulation (EC) No 396/2005. As all the



proposed MRLs are fully supported by data, they are recommended for inclusion in Annex II to Regulation (EC) No 396/2005.

Specific areas of concern or data gaps were not identified in the framework of this review but it is noted that for enforcement of triasulfuron in plant commodities a more suitable analytical method might be available than the one reported in this opinion. If considered necessary, procedures and timelines for evaluation of this additional method should be agreed between the Commission, Member States and EFSA.

Overview of the recommended EC MRLs

Commodity	Existing EC MRL (mg/kg)	Proposed EC MRL (mg/kg)	Justification for the proposal
Residue definition for enforcem	ent: triasulfuron		
Barley grain	0.05*	0.01*	The proposed MRLs are sufficiently
Oats grain	0.05*	0.01*	supported by data and no risk to consumers is identified. Recommended for inclusion in
Rye grain	0.05*	0.01*	Annex II.
Wheat grain	0.05*	0.01*	
Barley straw	-	0.05	
Oats straw	-	0.05	
Rye straw	-	0.05	
Wheat straw	-	0.05	
Other products of plant origin	see Appendix C	-	No recommendation as there are no authorized uses, import tolerances or CXLs.
Products of animal origin	-	-	No recommendation as the residues intake by livestock is insignificant.

^{(*):} Indicates that the MRL is set at the limit of analytical quantification.

DOCUMENTATION PROVIDED TO EFSA

1. Pesticide Residues Overview File (PROFile) on triasulfuron prepared by the Rapporteur Member State France. Submitted to EFSA on 20 October 2009. Updated on 12 February 2009.

REFERENCES

European Commission, 2000. Review report for the active substance triasulfuron finalized in the Standing Committee on Plant Health at its meeting on 12 July 2000 in view of the inclusion of triasulfuron in Annex I of Directive 91/414/EEC. DG SANCO 7589/VI/97-final, 30 November 2000.



APPENDIX A - GOOD AGRICULTURAL PRACTICES (GAPS)

Active substance: triasulfuron



								Critical	Outdoor GAPs for Northern E	urope										
Cr	ор						Formulatio	n		Ap	plication					-	Application ra		PHI or	
_		Region	Outdoor/ Indoor	Member state or Country	Pests controlled		Con	tent		Growt	h stage	Nur	nber	Interva	l (days)				wiaiting period	Comments (max. 250 charachters)
Common name	Scientific name		maoor	Country		Туре	Conc.	Unit	Method	From BBCH	Until BBCH	Min.	Max.	Min.	Max.	Min. rate	Max. rate	Rate Unit	(days)	
Barley	Hordeum spp.	NEU	Outdoor	LT	dicotyledoneous				Foliar treatment - spraying		32		1				7.50	g a.i./ha	n.a.	
Oats	Avena fatua	NEU	Outdoor	LT	dicotyledoneous				Foliar treatment - spraying		32		1				7.50	g a.i./ha	n.a.	
Rye	Secale cereale	NEU	Outdoor	LT	dicotyledoneous				Foliar treatment - spraying		32		1				7.50	g a.i./ha	n.a.	
Wheat	Triticum aestivum	NEU	Outdoor	LT	dicotyledoneous		·	·	Foliar treatment - spraying	_	32		1				7.50	g a.i./ha	n.a.	

n.a.: not applicable

								Critical	Outdoor GAPs for Southern E	urope										
Cı	гор						Formulation				plication					Α	pplication ra	ate	PHI or	
_		Region	Outdoor/ Indoor	Member state or Country	Pests controlled		Con	tent		Growti	h stage	Nur	nber	Interva	l (days)				wiaiting period	Comments (max. 250 charachters)
Common name	Scientific name		maoor	Country		Туре	Conc.	Unit	Method	From BBCH	Until BBCH	Min.	Max.	Min.	Max.	Min. rate	Max. rate	Rate Unit	(days)	
Barley	Hordeum spp.	SEU	Outdoor	PT	dicotyledoneous				Foliar treatment - spraying		32		1				11.00	g a.i./ha	n.a.	
Oats	Avena fatua	SEU	Outdoor	SI	dicotyledoneous				Foliar treatment - spraying		32		1				8.00	g a.i./ha	n.a.	
Rye	Secale cereale	SEU	Outdoor	SI	dicotyledoneous			•	Foliar treatment - spraying		32		1				8.00	g a.i./ha	n.a.	
Wheat	Triticum aestivum	SEU	Outdoor	PT	dicotyledoneous				Foliar treatment - spraying		32		1				11.00	g a.i./ha	n.a.	

n.a.: not applicable

	Critical Indoor GAPs for Northern and Southern Europe (incl. post-harvest treatments)																				
	Cro	pp						Formulati	on		Ap	plication					Α	pplication ra	ate	PHI or	
			Region	Outdoor/ Indoor	Member state or Country	Pests controlled		Co	ntent		Growt	h stage	Nur	nber	Interva	l (days)				wiaiting period	Comments (max. 250 charachters)
Common na	name	Scientific name	-	maoor	Country		Type	Conc.	Unit	Method	From BBCH	Until BBCH	Min.	Max.	Min.	Max.	Min. rate	Max. rate	Rate Unit	(days)	

n.a.: not applicable

	Critical GAPs for Import Tolerances (non-European indoor, outdoor or post-harvest treatments)																			
Ci	rop						Formulation			Ap	olication					Α	pplication r	ate	PHI or	
		Region		Member state or Country	Pests controlled		Conte	nt		Growt	h stage	Number		Interva					wiaiting period	Comments (max. 250 charachters)
Common name	Scientific name		Indoor	Country		Type	Conc.	Unit	Method	From BBCH	Until BBCH	Min. N	lax.	Min.	Max.	Min. rate	Max. rate	Rate Unit	(days)	

n.a.: not applicable



APPENDIX B – PESTICIDE RESIDUES INTAKE MODEL (PRIMO)

1	riasulfur	on	
Status of the active substance:	Included	Code no.	
LOQ (mg/kg bw):	0.01	proposed LOQ:	
Toxi	cological end	points	
ADI (mg/kg bw/day):	0.01	ARfD (mg/kg bw):	n.n.
Source of ADI:	СОМ	Source of ARfD:	СОМ
Year of evaluation:	2000	Year of evaluation:	2000

Explain choice of toxicological reference values.

The risk assessment has been performed on the basis of the MRLs collected from Member States in April 2006. For each pesticide/commodity the highest national MRL was identified (proposed temporary MRL = pTMRL).

The pTMRLs have been submitted to EFSA in September 2006.

	Chronic risk assessment	
	TMDI (range) in % of ADI	
	minimum - maximum	
	1	
o of diets exceeding ADI:		

		THE C. MICHE CAREE						
Highest calculated		Highest contribute	or .	2nd contributor to		3rd contributor to		pTMRLs at
TMDI values in %		to MS diet	Commodity /	MS diet	Commodity /	MS diet	Commodity /	LOQ
of ADI	MS Diet	(in % of ADI)	group of commodities	(in % of ADI)	group of commodities	(in % of ADI)	group of commodities	(in % of Al
1.0	DK child	0.6	Wheat	0.4	Rye	0.0	Oats	1.0
0.9	WHO Cluster diet B	0.9	Wheat	0.0	Barley	0.0	Rye	0.9
0.7	WHO cluster diet D	0.7	Wheat	0.0	Rye	0.0	Barley	0.7
0.7	IT kids/toddler	0.7	Wheat	0.0	Barley	0.0	Oats	0.7
0.5	WHO cluster diet E	0.4	Wheat	0.1	Barley	0.0	Rye	0.5
0.5	DE child	0.4	Wheat	0.1	Rye	0.0	Oats	0.5
0.5	WHO Cluster diet F	0.4	Wheat	0.1	Rye	0.1	Barley	0.5
0.5	NL child	0.5	Wheat	0.0	Rye	0.0	Oats	0.5
0.4	ES child	0.4	Wheat	0.0	Barley		FRUIT (FRESH OR FROZEN)	0.4
0.4	IT adult	0.4	Wheat	0.0	Barley	0.0	Oats	0.4
0.4	PT General population	0.4	Wheat	0.0	Rye	0.0	Barley	0.4
0.4	UK Toddler	0.4	Wheat	0.0	Oats	0.0	Barley	0.4
0.4	IE adult	0.2	Wheat	0.1	Barley	0.0	Oats	0.4
0.3	SE general population 90th percentile	0.3	Wheat	0.0	Rye		FRUIT (FRESH OR FROZEN)	0.3
0.3	WHO regional European diet	0.3	Wheat	0.0	Barley	0.0	Oats	0.3
0.3	FR all population	0.3	Wheat	0.0	Barley		FRUIT (FRESH OR FROZEN)	0.3
0.3	UK Infant	0.3	Wheat	0.0	Oats		FRUIT (FRESH OR FROZEN)	0.3
0.3	ES adult	0.2	Wheat	0.0	Barley		FRUIT (FRESH OR FROZEN)	0.3
0.3	DK adult	0.2	Wheat	0.1	Rye	0.0	Oats	0.3
0.3	FR toddler	0.3	Wheat		FRUIT (FRESH OR FROZEN)		FRUIT (FRESH OR FROZEN)	0.3
0.3	NL general	0.2	Wheat	0.0	Barley	0.0	Rye	0.3
0.2	LT adult	0.1	Rye	0.1	Wheat	0.0	Oats	0.2
0.2	UK vegetarian	0.2	Wheat	0.0	Oats	0.0	Barley	0.2
0.2	FI adult	0.1	Wheat	0.1	Rye	0.0	Oats	0.2
0.2	UK Adult	0.2	Wheat	0.0	Barley	0.0	Oats	0.2
0.1	FR infant	0.1	Wheat		FRUIT (FRESH OR FROZEN)		FRUIT (FRESH OR FROZEN)	0.1
	PL general population		FRUIT (FRESH OR FROZEN)		FRUIT (FRESH OR FROZEN)		FRUIT (FRESH OR FROZEN)	

Conclusion:

The estimated Theoretical Maximum Daily Intakes (TMDI), based on pTMRLs were below the ADI.

A long-term intake of residues of Triasulfuron is unlikely to present a public health concern.



Acute risk assessment /children

Acute risk assessment / adults / general population

Acute risk assessment is not necessary.

For each commodity the calculation is based on the highest reported MS consumption per kg bw and the corresponding unit weight from the MS with the critical consumption. If no data on the unit weight was available from that MS an average European unit weight was used for the IESTI calculation.

In the IESTI 1 calculation, the variability factors were 10, 7 or 5 (according to JMPR manual 2002), for lettuce a variability factor of 5 was used. In the IESTI 2 calculations, the variability factors of 10 and 7 were replaced by 5. For lettuce the calculation was performed with a variability factor of 3.

No of commodities exceeded (IESTI 1	es for which ARfD/A I):	DI is	No of commoditie ARfD/ADI is excee			No of commodition is exceeded (IES)	es for which ARfD/AI [I 1):)i 	No of commoditie (IESTI 2):	es for which ARfD/ADI is exceed	led
IESTI 1	*)	**)	IESTI 2	*)	**)	IESTI 1	*)	**)	IESTI 2	*)	**)
	•	pTMRL/		-	pTMRL/		•	pTMRL/		•	pTMRI
Highest % of		threshold MRL	Highest % of		threshold MRL	Highest % of		threshold MRL	Highest % of		threshold
ARfD/ADI	Commodities	(mg/kg)	ARfD/ADI	Commodities	(mg/kg)	ARfD/ADI	Commodities	(mg/kg)	ARfD/ADI	Commodities	(mg/k
No of critical MRL	_s (IESTI 1)					No of critical MR	.s (IESTI 2)				
No of commoditien exceeded:	es for which ARfD/A					No of commodition is exceeded:	es for which ARfD/AL				
 		***) pTMRL/						pTMRL/			
Highest % of ARfD/ADI	Processed commodities	threshold MRL (mg/kg)				Highest % of ARfD/ADI	Processed commodities	threshold MRL (mg/kg)			
1	15071	are reported for at lea	st 5 commodities. If	the ARfD is excee	eded for more than 5	commodities, all IE	STI values > 90% of A	RfD are reported.			
**) pTMRL: provision	onal temporary MRL										
**) pTMRL: provision	onal temporary MRL	for unprocessed com	modity								



APPENDIX C – EXISTING EC MRLs

Code	Pesticides-V	Veb Version-EUMRLs(Fileareatedon 27/03/20	0091607)
Immber products to which the Mid. sapply (a)	Code	Groupsandexamplesofindividual	70.4 Ne
10000 NUTS Q05* 10000 QCinustiut Q05* 10010 QCinustiut Q05* Carpetiut(Shathdespendes Sweetestargelougliandotherhythick) Q05* 10010 Carges(Begarnat biteroange dinatoardotherhythick) Q05* 11000 Lemans(Citon,leman) Q05* 11000 Limes Q05* 11000 Obes Q05* 11000 Obes Q05* 11000 Obes Q05* 12000 Question, and a position of the hybrids Q05* 12000 Obes Q05* 12000 Almark Q05* 12000 Bazilius Q05* 12000 Bazilius Q05* 12000 Carbanis Q05* 12000 Hachus(Fiber) Q05* 12000 Hachus(Fiber) Q05* 12000 Prents Q05* 12000 Prents Q05* 12000 Prents Q05* 12000 Obes Q05* 12000 Obes Q05* 12000 Carbanis Q05* 12000 Prents Q05* 12000 Prents Q05* 12000 Quines Q05* 13000 Quines Q05* 14000 Chenis(swetchnics, sourcharies) Q05* 14000 Chenis(swetchnics, sourcharies) Q05* 14000 Puris(Darson, greengage, mitabele) Q05* 14000 Puris(Darson, greengage, mitabele) Q05* 14000 Obes Q05*	number	productstowhichtheMRLsapply(a)	Trasumuron
110000 (i)Citusfiuit 0,05%		1.FRUITFRESHORFROZEN;	
Gapefiui (Shathods.pomelos, swedis.targelougliandoftertybrids)	100000	NUIS	0,05*
110010	110000	(i)Citrusfiuit	0,05*
110000		Grapefiuit(Shaddocks,pomelos,	
110000 chinotoardofarhybrick)	110010		0,05*
11000 Lemons (Citorulemon) 0,05% 110040 Limes 0,05% 110050 Marchins (Cementine, tangenine and otherlybrids) 0,05% 110050 Others 0,05% 12000 Others 0,05% 12000 Almonds 0,05% 12000 Bazilmus 0,05% 12000 Bazilmus 0,05% 12000 Castravius 0,05% 12000 Hazelius (Filter) 0,05% 12000 Parans 0,05% 12000 Parans 0,05% 12000 Pirenus 0,05% 12000 Pirenus 0,05% 12010 Pstachios 0,05% 12010 Pstachios 0,05% 12010 Others 0,05% 13000 (iii)Pamefiut 0,05% 13000 Pars (Ciatopple) 0,05% 13000 Macker 0,05% 13000 Macker 0,05% 13000 Others 0,05% 13000 Others 0,05% 13000 Others 0,05% 14000 Others 0,05% 14000 Others 0,05% 14000 Chenics (sweetchenics, sourchenics) 0,05% 14000 Paris (Charing and similar 14000 Others 0,05%			
110040 Limes	110020		0,05*
Markins(Cemertine, targetine and otherhybrids)	110030	Lemons(Citron,lemon)	0,05*
11000 Others Ot	110040		0,05*
110990 Ohes		Mandarins(Clementine, tangerine and	
12000 (ii)Tieerus(sheledorusheled) 0,05% 120010 Almords 0,05% 120020 Brazinus 0,05% 120020 Brazinus 0,05% 120020 Carbewrus 0,05% 120040 Carbewrus 0,05% 120050 Cacorus 0,05% 120050 Hachus(Fiber) 0,05% 120070 Macadania 0,05% 120080 Pecars 0,05% 120080 Pecars 0,05% 120080 Prenus 0,05% 120100 Piscatios 0,05% 120100 Piscatios 0,05% 120100 Piscatios 0,05% 120100 Piscatios 0,05% 120100 Others 0,05% 120100 Others 0,05% 120100 Apples(Cabapple) 0,05% 130000 (iii)Pameliuit 0,05% 130000 Pars(Cabapple) 0,05% 130020 Pars(Cabapple) 0,05% 130020 Pars(Cabapple) 0,05% 130020 Pars(Cabapple) 0,05% 130020 Carbes 0,05% 130020 Carbes 0,05% 140020 Cheris (sweetchenics sourcharies) 0,05% 140020 Cheris (sweetchenics sourcharies) 0,05% Paches (Nectarines and similar 140020 Cheris (Sweetchenics sourcharies) 0,05% 140020 Ch		otherhybrids)	
120010 Almms 0,05% 120020 Bazinus 0,05% 120030 Carlswuts 0,05% 120040 Chestruts 0,05% 120040 Chestruts 0,05% 120050 Cacouts 0,05% 120050 Hazehus (Fiber) 0,05% 120050 Pacars 0,05% 120050 Prenus 0,05% 120050 Ohes 0,05% 120050 Ohes 0,05% 130050 Capatility 0,05% 140050 Ohes 0,05% 140050 Chenis (sweetchenics sourcharies) 0,05% 140050 Paurs (Darson green gage, michelle) 0,05% 140050 Ohes 0,05% 140050 Ohes 0,05% 140050 Plums (Darson green gage, michelle) 0,05% 140050 Ohes 0,05% 140050 Ohes 0,05% 140050 Ohes 0,05% 140050 Plums (Darson green gage, michelle) 0,05% 140050 Ohes 0,05% 140050 Ohes	110990		0,05*
12020 Bazinus 0,05* 12030 Cashewrus 0,05* 12030 Cashewrus 0,05* 12030 Chestus 0,05* 12030 Caccuus 0,05* 12030 Hzehus(Fibet) 0,05* 12030 Rears 0,05* 12030 Pirenus 0,05* 12030 Ohes 0,05* 12030 Ohes 0,05* 13030 Apples(Cabapple) 0,05* 13030 Quiros 0,05* 13030 Quiros 0,05* 13030 Meder 0,05* 13030 Ohes 0,05* 13030 Ohes 0,05* 14000 (v)Striefiui 0,05* 14000 Cherics(svertdenics, cordenics) 0,05* 14000 Cherics(svertdenics, cordenics) 0,05* 14000 Pluris(Darson greengage, michelle) 0,05* 14000 Ohes 0,05* 14000 Ohes 0,05* 14000 Pluris(Darson greengage, michelle) 0,05* 14000 Ohes 0,05* 14000 Ohes 0,05* 14000 Pluris(Darson greengage, michelle) 0,05* 14000 Ohes 0,05*	120000	(ii) Treenuts (shelled orunshelled)	0,05*
12030 Carbwrits 005* 12040 Chestrits 005* 12050 Coories 005* 12050 Coories 005* 12050 Hachits(Filter) 005* 12050 Hachits(Filter) 005* 12050 Pears 005* 12050 Perints 005* 12050 Prents 005* 12010 Psachios 005* 12010 Walrus 005* 12010 Walrus 005* 12050 Ohes 005* 12050 Ohes 005* 13000 (iii)Perintit 005* 13000 Apples(Cabapile) 005* 13000 Pass(Cabapile) 005* 13000 Aprics 005* 13000 Aprics 005* 13050 Loqut 005* 13050 Loqut 005* 13050 Loqut 005* 14000 (iv)Strictitit 005* 14000 Cheriss(swetchenics, sourchenics) 14000 Partics Paches (Nectanics and similar 14000 Pluris (Danson, green gags, mitabele) 005* 14000 Pluris (Danson, green gags, mitabele) 005* 14000 Ohes 005*	120010	Almonds	0,05*
120040 Chestus 0,05* 120050 Cocous 0,05* 120050 Cocous 0,05* 120050 Hazehus(Filber) 0,05* 120070 Macatania 0,05* 120080 Pears 0,05* 120090 Piretus 0,05* 120100 Psachios 0,05* 120110 Waltus 0,05* 120110 Waltus 0,05* 120190 Otres 0,05* 120190 Otres 0,05* 13000 (iii)Pomefiui 0,05* 13000 Apples(Gribapple) 0,05* 13000 Pass(Orientalpear) 0,05* 13000 Quirus 0,05* 13000 Quirus 0,05* 13000 Loqut 0,05* 13000 Loqut 0,05* 13000 Otres 0,05* 14000 (iv)Struefiui 0,05* 14000 Cheniss(sweetdenies, sourchenies) 0,05* 14000 Phurs(Danson, greengags, mitabele) 0,05* 14000 Phurs(Danson, greengags, mitabele) 0,05* 14000 Otres 0,05* 14000 Otres 0,05* 14000 Phurs(Danson, greengags, mitabele) 0,05* 14000 Otres 0,05* 14000 Otres 0,05* 14000 Phurs(Danson, greengags, mitabele) 0,05* 14000 Otres 0,05*		Brazilnuts	0,05*
120050 Coconus 0,05* 120060 Hazehrus (Filbert) 0,05* 120070 Macadania 0,05* 120080 Recars 0,05* 120090 Prieruus 0,05* 120090 Prieruus 0,05* 120100 Pstathios 0,05* 120110 Walnus 0,05* 120990 Others 0,05* 120990 Others 0,05* 13000 (iii)Prmefiuit 0,05* 13000 Apples (Cribapple) 0,05* 13000 Reus (Cribapple) 0,05* 13000 Quinces 0,05* 13000 Quinces 0,05* 13000 Loquat 0,05* 130050 Loquat 0,05* 130050 Loquat 0,05* 14000 (iv)Struefiuit 0,05* 14000 Apricus 0,05* 14000 Chenics (sweetchenics sourchenics) 0,05* 14000 Plums (Danson green gage, mitabelle) 0,05* 14000 Plums (Danson green gage, mitabelle) 0,05* 14000 Others 0,05* 140000 Others 0,05* 140000 Plums (Danson green gage, mitabelle) 0,05* 140000 Others 0,05*	120030	Cashewnuts	0,05*
12000	120040	Chestruts	0,05*
120070 Macadania 0,05% 120080 Pecars 0,05% 120090 Prenuts 0,05% 120100 Prisatios 0,05% 120101 Walturs 0,05% 120100 Ohers 0,05% 120900 Ohers 0,05% 13000 (iii)Pamefiuit 0,05% 13000 Apples(Cabapple) 0,05% 13000 Qaines 0,05% 13000 Qaines 0,05% 13000 Medir 0,05% 13000 Laquet 0,05% 13000 Laquet 0,05% 14000 (iv)Struefiuit 0,05% 14000 Apricos 0,05% 14000 Cheriss(sweetdenies, sourchenies) 0,05% 14000 Paris (Netarines and similar 14000 Paris (Netarines and similar 14000 Paris (Danson, greengags, mitable) 0,05% 14000 Paris (Danson, greengags, mitable) 0,05% 14000 Paris (Danson, greengags, mitable) 0,05% 14000 Ohers 0,05%	120050	Coconuts	0,05*
12000 Rears 0,05% 12000 Prients 0,05% 120100 Psechios 0,05% 120110 Wahrus 0,05% 120190 Ohers 0,05% 12090 Ohers 0,05% 13000 (ii)Perrefiult 0,05% 13000 Pars(Cabapple) 0,05% 13000 Quines 0,05% 13000 Quines 0,05% 13000 Mediar 0,05% 13000 Mediar 0,05% 13000 Ohers 0,05% 14000 (iv)Sterefiult 0,05% 14000 Aprices 0,05% 14000 Cheriss(swetchenics, sourchenics) 0,05% 14000 Cheriss(swetchenics, sourchenics) 0,05% 14000 Puriss(Nectaines, and similar 14000 Puriss(Danson, green, gas, michelle) 0,05% 14000 Puris (Danson, green, gas, michelle) 0,05% 14000 Puris (Danson, green, gas, michelle) 0,05% 14000 Ohers 0,05%	120060	Hazelnuts(Filbert)	0,05*
12000 Pirents	120070	Macadamia	0,05*
120100	120080	Pecars	0,05*
120110	120090	Pinenuts	0,05*
120990 Ohes	120100	Pistachios	0,05*
13000 (iii)Pemefiuit 0,05* 13000 Apples(Cizbapple) 0,05* 13000 Peas(Cizbapple) 0,05* 13000 Quines 0,05* 13000 Quines 0,05* 13000 Mecker 0,05* 13000 Laquet 0,05* 13000 Laquet 0,05* 14000 (iv)Senefiuit 0,05* 14000 Aprices 0,05* 14000 Aprices 0,05* 14000 Cheriss(sweetdenies, sourchenies) 0,05* Peaches (Nectarines and similar 14000 Plums (Damson, greengage, michelle) 0,05* 14000 Plums (Damson, greengage, michelle) 0,05* 14000 Plums (Damson, greengage, michelle) 0,05* 14000 Others 0,05* 14000 Others 0,05* 14000 Others 0,05* 140000 Others 0,05* 140000 Others 0,05* 0,05* 140000 Others 0,05*	120110	Walnuts	0,05*
13010 Apples(Carbapple) 0,05% 13000 Peas(Carbapple) 0,05% 13000 Quines 0,05% 13000 Quines 0,05% 13000 Meder 0,05% 13000 Loqut 0,05% 13000 Loqut 0,05% 14000 (v)Sterefiuit 0,05% 140010 Apricos 0,05% 14000 Cheries(sweetcheniessourchenies) 0,05% Peaches(Nectarinesandsimikr 14000 Phurs(Damson,greengags,miabelle) 0,05% 14000 Phurs(Damson,greengags,miabelle) 0,05% 14000 Phurs(Damson,greengags,miabelle) 0,05% 140000 Others 0,05% 140000 0,05% 0,05% 140000 0,05% 0,05% 0,05% 0,05% 0,05% 0,05% 0,05% 0,05% 0,05% 0,05% 0,05	120990	Others	0,05*
13020 Pass(Otentalpear) 0,05% 13030 Quines 0,05% 13040 Macker 0,05% 13050 Loquet 0,05% 13090 Ohes 0,05% 14000 (v)Struefiuit 0,05% 140010 Aprices 0,05% 140020 Chenies(swertdenies,ourdenies) 0,05% Partis (Neterines and similar 1,05% 140040 Pluns (Danson green gage, michelle) 0,05% 140090 Ohes 0,05%	130000	(iii)Pomefiuit	0,05*
13020 Pass(Otentalpear) 0,05% 13030 Quines 0,05% 13040 Macker 0,05% 13050 Loquet 0,05% 13090 Ohes 0,05% 14000 (v)Struefiuit 0,05% 140010 Aprices 0,05% 140020 Chenies(swertdenies,ourdenies) 0,05% Partis (Neterines and similar 1,05% 140040 Pluns (Danson green gage, michelle) 0,05% 140090 Ohes 0,05%	130010	Apples(Crabapple)	0,05*
13040 Meder 0,05* 13050 Loquet 0,05* 13090 Ohes 0,05* 14000 (iv)Strictinit 0,05* 14000 Aprixts 0,05* 14000 Chenis (sweetchenies, sourchenies) 0,05* 14000 Chenis (Nectrines and Similar 14000 Pluns (Danson, grengag, michelie) 0,05* 14000 Pluns (Danson, grengag, michelie) 0,05* 14000 Ohes 0,05*	130020		0,05*
13050 Laqut 0,05* 130990 Otes 0,06* 140000 (iv)Strictiut 0,05* 140010 Apricus 0,05* 140020 Chenis (sweetchenies, sourchenies) 0,05* Paches (Nectarines and similar 140030 hybrids) 0,05* 140040 Plums (Damson, green gags, mitchelle) 0,05* 140990 Otes 0,06*	130030	Quinces	0,05*
130990 Ohes 0,05%	130040	Medlar	0,05*
130990 Ohes 0,05%	130050	Loquet	0.05*
14000 (iv)Straefiuit 0,05* 140010 Apricos 0,05* 140020 Cheniss(sweetdeniss, sourcheniss) 0,05* Peachs (Nectaines and similar 1,40030 Hurs (Damson, green gags, michelle) 0,05* 140040 Plums (Damson, green gags, michelle) 0,05* 140090 Others 0,05*	130990	Others	0,05*
14000 Cheries(sweetcheries, sourcheries) 0,05*	140000	(iv)Stonefiuit	
Peaches(Nectarines and similar 140030 hybrids) 0,05* 140040 Plums(Damson, greengage, miabelle) 0,05* 140090 Others 0,05*	140010	Apricots	0,05*
Peaches(Nectarines and similar 140030 hybrids) 0,05* 140040 Plums(Damson, greengage, miabelle) 0,05* 140090 Others 0,05*	140020	Chemies (sweetchemies, sourchemies)	005*
140030 hybrids) 0,05* 140040 Pluns(Danson,greengage,miabelle) 0,05* 140090 Others 0,05*			
140040 Plums(Danson,greengage,mirabelle) 0,05* 140990 Ohers 0,05*	140030	,	0,05*
140990 Others 0,05*		Plums(Damson, greengage, mirabelle)	
150000 (v)Benies&small fruit 0,05*	140990		0,05*
	150000	(v)Benies&small fruit	0,05*
151000 (a)Tableandwinegrapes 0,05*	151000		0,05*
151010 Tablegrapes 0,05*			

151020	Winegrapes	0,05*
152000	(b)Strawbenies	0,05*
153000	(c)Canefiuit	0,05*
153010	Blackberries	0,05*
	Dewbenies (Loganbenies,	
153020	Boysenbenies, and cloudbenies)	0,05*
153030	Raspberries(Wineberries)	0,05*
153990	Others	0,05*
154000	(d)Othersmall fruit&benies	0,05*
	Bluebenies(Bilbeniescowbenies(red	
154010	bilberries))	0,05*
154020	Cianbenies	0,05*
154030	Cunants(red,blackandwhite)	0,05*
	Goosebernies (Including hybrids with	
154040	otherribesspecies)	0,05*
154050	Rosehips	0,05*
154060	Mulbenies(arbutusbeny)	0,05*
154070	Azarole(mediteraneanmedlar)	0,05*
	Ederbenies(Blackchokebeny	
	(appleberry), mountainash, azarole,	
	buckthom(seasallowthom), hawthom,	
154080	servicebenies, and other treebenies)	0.05*
154990	Others	0,05*
160000	(vi)Miscellaneousfruit	0,05*
161000	(a)Ediblepeel	0.05*
161010	Dates	0.05*
161020	Figs	0,05*
161030	Tableolives	0.05*
	Kumquats(Marumikumquats,	
161040	nagamikumquats)	0.05*
161050	Carambola(Bilimbi)	0.05*
161060	Persimmon	005*
	Jambolan(javaplum)(Javaapple	
	(waterapple), pomerac, rose apple,	
	Brazileancherry(grumichama), Surinam	
161070	cherry)	0,05*
161990	Others	0,05*
162000	(b)Inediblepeel,small	0,05*
162010	Kiwi	0,05*
	Lychee(Litchi)(Pulasan,rambutan	
162020	(hairy litchi))	0,05*
162030	Passionfiuit	0.05*
162040	Pricklypear(cactus fruit)	0.05*
162050	Starapple	0.05*
	Americanpersimmon(Virginiakaki)	-,
	(Blacksapote, white sapote, green sapote,	
	canistel (yellowsapote), and mammey	
162060	sapote)	0.05*
162990	Others	0.05*
163000	(c)Inediblepeel,large	005*
163010	Avocados	0.05*

	Baranas (Dwarfbarana, plantain,	
163020	applebarara)	0.05*
163030	Mangoes	0.05*
163040	Papaya	0.05*
163050	Pomegranate	005*
10000	Cherimoya (Custardapple, sugarapple	ULD.
	(sweetsop), llamaand other medium sized	
163060	Amoraceae)	0.05*
163070	Guava	0,05*
163080	Pineapples	0.05*
163090	Breadfruit(Jackfruit)	0.05*
163100	Drian	0.05*
163110	Soursop(guarabara)	005*
163990	Others	0.05*
100990	2 VEGETABLES FRESHOR	UD.
200000	PROZEN	0.05*
210000	(i)Rootandtubervegetables	0.05*
211000	(a) Potatoes	005*
212000	(a) Potatoes (b) Tiopical root and tuber vegetables	0.05*
212000		OD.
212010	Cassava(Dasheen,eddoe(Japanese taro),tannia)	005*
212010	Sweetpotatoes	0.05*
212020	Yams(Potatobean(yambean),	U,D.
212030	Mexicanyambean)	0.05*
212040	Anowoot	0.05*
212990	Others	0.05*
212990		U,U
213000	(c)Otherrootandtubervegetables exceptsugarbeet	0.05*
213010	Beetroot	0.05*
213020	Canots	005*
213030	Celeriac	0.05*
213040	Hoseadish	0.05*
213050	Jerusalemartichokes	0.05*
213060	Parsnips	005*
213070	Parsleyroot	0.05*
213070	Radishes(Blackradish,Japanese	O,D
213080	radish, small radish and similar varieties)	005*
213060	Sakify(Scorzonera,Spanishsakify	ĠΩ.
213090	(Spanishoysteplant))	0.05*
213100	Swedes	0.05*
213110	Turnips	005*
213990	Others	0.05*
220000	(ii)Bulbvegetables	0.05*
220010	Carlic Garlic	0.05*
220020	Onions (Silverskinonions)	0.05*
220030	Shallots	0.05*
22000	Springonions (Welshonion and	ÚΩ.
220040	similarvarieties)	0.05*
220990	Others	0.05*
230000	(iii)Fruitingvegetables	0,05*
231000	(a)Solaracea	0.05*
231000	(a) SUMPACEA	U,D"

231010	Tomatoes(Cherrytomatoes,)	0,05*
231020	Peppers(Chillipeppers)	0,05*
231030	Aubergines(eggplants)(Pepino)	0,05*
231040	Okra, lady's fingers	0,05*
231990	Others	0,05*
232000	(b)Cucurbits-ediblepeel	0,05*
232010	Cuambers	0,05*
232020	Gherkins	0,05*
	Courgettes (Summersquash, marrow	
232030	(patisson))	0,05*
232990	Others	0,05*
233000	(c)Cucurbits-ineclible peel	0,05*
233010	Melons(Kiwano)	0,05*
233020	Pumpkins(Wintersquash)	0,05*
233030	Watermelons	0,05*
233990	Others	0,05*
234000	(d)Sweetcom	0,05*
239000	(e)Otherfiuiting vegetables	0,05*
240000	(iv)Brassica vegetables	0,05*
241000	(a) Flowering brassica	0,05*
	Broccoli (Calabrese, Chinese broccoli,	
241010	Broccolinado)	0,05*
241020	Cauliflower	0,05*
241990	Others	0,05*
242000	(b)Headbrassica	0,05*
242010	Brusselssprouts	0,05*
	Headcabbage(Pointedheadcabbage,	
	redcabbage,savoycabbage,white	
242020	calthage)	0,05*
242990	Others	0,05*
243000	(c)Leafybrassica	0,05*
	Chinesecabbage(Indian(Chinese)	
	mustard,pakchoi,Chineseflatcabbage(tai	
	goodnoi), pekingcalbhage (petsai), cow	0.071
243010	calthage)	0,05*
243020	Kale(Borecole(curtykale),collards)	0,05*
243990	Others	0,05*
244000	(d)Kohlrabi	0,05*
250000	(v)Leafvegetables&fieshherbs	0,05*
251000	(a) Lettuce and other salad plants	0054
251000	including Brassicacea	0,05*
251010	Lamb's lettuce (Italian comsalad)	0,05*
	Lettuce(Headlettuce, lollorosso	
251000	(cutting lettuce), ice berg lettuce, romaine	005%
251020	(cos)lettuce) Scarole(broad-leafendive)(Wild	0,05*
	Scarole(broad-leatendive)(Wild chicory,red-leaved chicory,radicchio, curld	
251030	leaveendive, sugarbat)	005*
251040	Cress	0.05*
251050	Landcress	0.05*
251060	Rocket, Rucola (Wildrocket)	0,05*



251070	Redmustard	0,05*
	Leaves and sprouts of Brassica spp	
251080	(Mizura)	0,05*
251990	Others	0,05*
252000	(b)Spinach&similar(leaves)	0,05*
	Spinach (New Zealand spinach, turnip	
252010	greens(turniptops))	0,05*
	Puskne(Winterpuskne(miner's	
	lettuce),gardenpurslane,commonpurslane,	
252020	sorrel,glassworth)	0,05*
252030	Beetleaves(chard)(Leavesofbeetroot)	0,05*
252990	Others	0,05*
253000	(c)Vineleaves(grapeleaves)	0,05*
254000	(d)Watercress	0,05*
255000	(e)Witloof	0,05*
256000	(f)Harbs	0,05*
256010	Chervil	0,05*
256020	Chives	0,05*
	Celeryleaves(fennelleaves,Coriander	
	leaves, dill leaves, Caraway leaves, lovage,	
256030	angelica, sweet cisely and other Apiacea)	0,05*
256040	Parsley	0,05*
256050	Sage(Wintersavory,summersavory,)	0,05*
256060	Rosemary	0,05*
256070	Thyme(marjoram,oregano)	0,05*
256080	Basil (Balmleaves, mint, peppermint)	0,05*
256090	Bayleaves(laurel)	0,05*
256100	Tarragon(Hyssop)	0,05*
256990	Others	0,05*
260000	(vi)Legumevegetables(fiesh)	0,05*
	Beans(withpods)(Greenbean(french	
	beans, snapbeans), scarletrunner bean,	
260010	slicingbean, yardlongbeans)	0,05*
	Beans (without pods) (Broadbeans,	
260020	Flageolets, jack bean, lima bean, cowpea)	0,05*
20000	Peas(withpods)(Mangetout(sugar	0071
260030	peas))	0,05*
2000.40	Peas(withoutpods)(Cardenpea,green	00%
260040	pea,chickpea)	0,05*
260050	Lentils	0,05*
260990	Others	0,05*
270000	(vii)Sternvegetables(fiesh)	0,05*
270010	Asparagus	0,05*
270020	Cardoons	0,05*
270030	Celery	0,05*
270040	Fernel	0,05*
270050	Globeartichokes	0,05*
270060	Leek	0,05*
270070	Rhubarb	0,05*
270080	Bambooshoots	0,05*
270090	Palmhearts	0,05*

		0.051
270990	Others	0,05*
280000	(viii)Fungi	0,05*
******	Cultivated (Common mushroom,	00=1
280010	Oystermushroom,Shi-take)	0,05*
280020	Wild(Chanterelle,Truffle,Morel,)	0,05*
280990	Ohers	0,05*
290000	(ix)Seaweeds	0,05*
300000	3.PULSES,DRY	0,05*
	Beans(Broadbeans, navybeans,	
******	flageolets, jack beans, lima beans, field beans,	0.071
300010	cowpeas)	0,05*
300020	Lentils	0,05*
	Peas(Chickpeas, field peas, chickling	
300030	vetch)	0,05*
300040	Lupins	0,05*
300990	Ohers	0,05*
400000	4.OILSEEDS AND OIL FRUITS	0,05*
401000	(i)Oikeeds	0,05*
401010	Linseed	0,05*
401020	Peanuts	0,05*
401030	Poppyseed	0,05*
401040	Sesameseed	0,05*
401050	Sunflowerseed	0,05*
401060	Rapesæd(Birdrapesæd,turniprape)	0,05*
401070	Soyabean	0,05*
401080	Mustardseed	0,05*
401090	Cottonseed	0,05*
401100	Pumpkinseeds	0.05*
401110	Safflower	005*
401120	Borage	0.05*
401130	Goldofpleasure	0.05*
401140	Hempseed	0.05*
401150	Castorbean	005*
401990	Others	0.05*
402000	(ii)Oilfruits	0.05*
402010	Olivesforoil production	0.05*
402020	Palmnuts(palmoilkemels)	0.05*
402030	Palmfiuit	0.05*
402040	Kapok	0.05*
402990	Ohes	0.05*
500000	5.CEREALS	0,05*
500010	Barley	0,05*
500020	Buckwheat	0.05*
500030	Maize	0,05*
500040	Millet (Foxtail millet, teff)	0,05*
500050	Oats	0.05*
		,
500060	Rice	0,05*
500070	Rye	0,05*
500080	Sorghum VI (C. 1777) 1	0,05*
500090	Wheat (Spelt Triticale)	0,05*
500990	Others	0,05*

	6TEA,COFFEE,HERBAL	
600000	INFUSIONS AND COCOA	0,1*
***	(i)Tea(driedleavesandstalks, fermented	0.4.1
610000	orotherwiseofCamelliasinensis)	0,1*
620000	(ii)Coffeebeans	0,1*
630000	(iii)Herbalinfusions(dried)	0,1*
631000	(a)Flowers	0,1*
631010	Camomilleflowers	0,1*
631020	Hybiscusflowers	0,1*
631030	Rosepetals	0,1*
631040	Jasmineflowers	0,1*
631050	Lime(linden)	0,1*
631990	Ohers	0,1*
632000	(b)Leaves	0,1*
632010	Strawberryleaves	0,1*
632020	Rooibosleaves	0,1*
632030	Maté	0,1*
632990	Others	0,1*
633000	(c)Roots	0,1*
633010	Valeriannoot	0,1*
633020	Ginsengioot	0,1*
633990	Others	0,1*
639000	(d)Otherherbalinfusions	0,1*
640000	(iv)Cocoa(fermentedbeans)	0,1*
650000	(v)Carob(stjohnsbread)	0,1*
	7.HOPS(dried), including hoppellets and	
700000	unconcentrated powder	0,1*
800000	unconcentratedpowder 8.SPICES	0,1*
800000 810000	unconcentratedpowder 8.SPICES (i)Seeds	0,1* 0,1*
80000 81000 810010	unconcentratedpowder 8.SPICES (i)Seeds Anise	Q1* Q1* Q1*
80000 81000 810010 810020	unconcentrated powder 8.SPICES 0) Seeds Anise Black caravay	0,1* 0,1* 0,1* 0,1*
80000 81000 810010 810020 810030	unconcentrated powder 8.SPICES (i) Seeds Anise Black caraway Cebryseed (Lovage seed)	Q1* Q1* Q1* Q1* Q1*
800000 810000 810010 810020 810030 810040	unconcentrated powder 8.SPICES (0.Seeds Anise Blackcaraway Cebrysead (Lovage-seed) Corion breed	Q1* Q1* Q1* Q1* Q1* Q1*
80000 81000 810010 810020 810030 810040 810050	unconcentrated powder 8.SPICES (i) Seeds Anise Black caraway Cebryseed (Lovage seed)	01* 01* 01* 01* 01*
80000 81000 81000 81002 810030 810040 810050 810060	unconcentrated powder 8.SPICES (i) Seads Anise Black canway Cetrysead (Lovage sead) Coriandersead Cumin seed Dill seed	01* 01* 01* 01* 01* 01* 01* 01*
80000 81000 810010 810020 810030 810040 810050 810060	unconcentrated powder 8.SPICES (i) Seeds Anice Black caraway Celeryseed (Lovage seed) Corianderseed Cunninseed Dill seed Fernel seed	01* 01* 01* 01* 01* 01* 01* 01* 01* 01*
80000 81000 810010 810020 810030 810040 810050 810060 810070 810080	unconcentrated powder 8.SPICES (i) Seeds Anise Black caraway Cetry seed (Lovage seed) Coriander seed Currinseed Dill seed Fernel seed Fernel seed Fernel seed	01* 01* 01* 01* 01* 01* 01* 01*
80000 810000 810010 810020 810030 810040 810050 810050 810070 810080 810090	unconentatedpowder 8.SPICES (i)Sends Anise Blackcaraway Celaysend(Lovagesend) Coinnersed Curinseed Dillserd Fernelseed Fernelseed Fernelseed Nutneg	01* 01* 01* 01* 01* 01* 01* 01*
80000 810000 810010 810030 810040 810050 810050 810070 810080 810090 810090	unconcentrated powder 8.SPICES (Seeds Anise Black canaway Celaysead (Lovage-seed) Conimbrated Currinseed Dill seed Fernel seed Fernel seed Nameg Others	01* 01* 01* 01* 01* 01* 01* 01*
80000 810000 810010 810020 810030 810040 810050 810050 810070 810080 810090	unconentatedpowder 8.SPICES (i)Sends Anise Blackcaraway Celaysend(Lovagesend) Coinnersed Curinseed Dillserd Fernelseed Fernelseed Fernelseed Nutneg	01* 01* 01* 01* 01* 01* 01* 01*
80000 810000 810010 810030 810040 810050 810050 810070 810080 810090 810090	unconcentrated powder 8.SPICES (Seeds Anise Black canaway Celaysead (Lovage-seed) Conimbrated Currinseed Dill seed Fernel seed Fernel seed Nameg Others	01* 01* 01* 01* 01* 01* 01* 01*
80000 81000 81000 81000 81000 81000 81000 81000 81000 81000 81000 81000 81000 81000 81000 81000 81000 81000 81000	unconcentrated powder 8.SPICES (Seeds Aniee Black canaway Celrysead (Lovage-seed) Corianderseed Currinseed Dillead Fernelseed Fernelseed Fernelseed Numring Othes (i) Fruits and benies	O1*
80000 810000 810010 810020 810030 810040 810050 810050 810050 810050 810090 810090 810090 820000 820010 820010	unconentatedpowder 8.SPICES (i)Seeds Aniee Blackcanway Celeyseed(Lovage-seed) Corinchreed Curninseed Dillseed Fernelseed Fernelseed Fernelseed Fingeck Nameg Otes (i)Fruitsandbenies Allspice Anieepaper(kpanpepper) Canway	O1*
80000 810000 810010 810020 810030 810040 810050 810050 810050 810050 810050 810050 810050 810050 810050 820010 820010 820010 820010	unconentatedpowder 8.SPICES (i)Seeds Aniee Blackcaraway Celeryseed(Lovageseed) Corianderseed Cunninseed Dillseed Fernelseed Fernelseed Fernelseed Fingeek Nameg Otes (i)Finisardbenies Allisrice Anie-paper(kpnpepper) Caraway Cardmorn	01* 01* 01* 01* 01* 01* 01* 01* 01* 01*
80000 810000 810010 810020 810030 810040 810050 810050 810050 810050 810090 810090 810090 820000 820010 820010	unconentatedpowder 8.SPICES (Seeds Aniee Blackcanway Celnysed([Lovage-seed) Coninderseed Currinseed Dillseed Fernelseed Fernelseed Fernelseed Narmeg Otess (i) Fruitsandbenies Allspice Anieepaper(kanapepper) Canway Cardamon Juniperbenies	O1*
80000 810000 810010 810020 810020 810020 810020 810020 810020 810020 810020 810020 810020 82000 82000 82000 82000 82000 82000	unconentatedpowder 8.SPICES (i)Seeds Aniee Blackcaraway Celeryseed(Lovageseed) Corianderseed Cunninseed Dillseed Fernelseed Fernelseed Fernelseed Fingeek Nameg Otes (i)Finisardbenies Allisrice Anie-paper(kpnpepper) Caraway Cardmorn	01* 01* 01* 01* 01* 01* 01* 01* 01* 01*
80000 810000 810010 810030 810030 810030 810030 810030 810030 810030 810030 810030 810030 810030 820010 820030 820030 820030	unconentatedpowder 8.SPICES (i) Seeds Anise Blackcraway Celryseed(Lovageseed) Coranderseed Cuminseed Dillseed Fernelseed Fernelseed Fernelseed Othes (i) Fluisandbenies Allytice Anise papper(lapanpappe) Caraway Caraway Caraway Lorigarbenies Papper, blackandwhite(Longpapper, pinkpapper)	OI* OI* OI* OI* OI* OI* OI* OI*
80000 810000 810010 810030 810030 810030 810050 810050 810050 810050 810050 810050 810050 810050 82000 82000 82000 82000 820050 82000 82000 82000	unconentatedpowder 8.SPICES (i) Seeds Anise Blackcraway Celvyseed (Lovageseed) Corinchrised Cuminised Dillised Fernelseed Fernelseed Fernelseed Fernelseed Fernelseed Animeg Othes (i) Fluisandhenis Alkpice Anise pepper (kapnpepper) Caraway Cardamom Junjer beniss Repper black and white (Longpepper, pinkpepper) Vanillapods	OI*
80000 810000 810010 810030 810030 810040 810050 810050 810050 810050 810050 810050 810050 810050 810050 820010 820010 820010 820010 820010 820010 820010 820010 820010 820010 820010 820010 820010 820010 820010 820010 820010	unconentatedpowder 8.SPICES (i)Seeds Aniee Blackcraway Cetryseed(Lovageseed) Corinchreed Cuninseed Dillseed Fernelseed Fernelseed Fernelseed Fernelseed Alspice Anisepeper(kpanpepper) Caraway Cardamom Juniperbeniss Pepter, blackard-white(Long-pepter) prisk-pepter) Varillapods Tamaind	O1*
80000 810000 810010 810030 810030 810030 810050 810050 810050 810050 810050 810050 810050 810050 82000 82000 82000 82000 820050 82000 82000 82000	unconentatedpowder 8.SPICES (i) Seeds Anise Blackcraway Celvyseed (Lovageseed) Corinchrised Cuminised Dillised Fernelseed Fernelseed Fernelseed Fernelseed Fernelseed Animeg Othes (i) Fluisandhenis Alkpice Anise pepper (kapnpepper) Caraway Cardamom Junjer beniss Repper black and white (Longpepper, pinkpepper) Vanillapods	OI*

830010	Cinnamon(Cassia)	0.1*
830990	Others	0.1*
840000	(iv)Rootsonthizome	0.1*
840010	Liquoice	0.1*
840020	Ginger	01*
840030	Tumeric (Curcuma)	0,1*
840040	Hoseradish	0,1*
840990	Ohes	0,1*
850000	(v)Burk	0,1*
850010	Cloves	01*
850020	Capeas	0.1*
850990	Others	0.1*
860000	(vi)Flowerstigma	0,1*
860010	Saffion	0.1*
860990	Others	0.1*
		0.1*
870000	(vii)Aril	- /
870010	Mace	0,1*
870990 mmn	Others	0,1*
90000	9.SUGARPLANTS	0,05*
900010	Sugarbeet(root)	0,05*
900020	Sugarcane	
900030	Chicarytoots	0,05*
900990	Others	0,05*
1000000	10.PRODUCTSOFANIMAL	
1000000	ORIGIN-TERRESTRIALANIMALS	
	(i)Meat, preparations of meat, offals, blood, animal fats fresh chilled or fiozen,	
	salled,inbrine, driedorsmokedorprocessed	
	asflousormealsotherprocessed products	
	suchassausagesandfoodpreparations	
1010000	basedonthese	
1011000	(a)Swine	
1011010	Meat	
1011020	Fatficeofleanmeat	
1011030	Liver	
1011040	Kidney	
1011050	Edibleoffal	
1011990	Others	
1012000	(b)Bovine	
1012010	Meat	
1012020	Fat	
1012030	Liver	
1012040	Kidney	
1012050	Edibleoffal	
1012990	Others	
1013000	(c)Sheep	
1013010	Meat	
1013020	Fat	
1013030	Liver	
1013040	Kichey	
1013050	Edibleoffal	



1013990	Others	
1014000	(d)Goat	
1014010	Meat	
1014020	Fat	
1014030	Liver	
1014040	Kidney	
1014050	Edibleoffal	
1014990	Others	
1015000	(e)Horses,asses,mules or hinnies	
1015010	Meat	
1015020	Fat	
1015030	Liver	
1015040	Kidney	
1015050	Edibleoffal	
1015990	Others	
	(f)Poultry-chicken, geese, duck, turkey	
1016000	and Guinea fowl-, ostrich, pigeon	
1016010	Meat	
1016020	Fat	
1016030	Liver	
1016040	Kidney	
1016050	Edibleoffal	
1016990	Others	
	(g)Otherfarmanimals(Rabbit,	
1017000	Kangaroo)	
1017010	Meat	
1017020	Fat	
1017030	Liver	
1017040	Kidney	
1017050	Edibleoffal	
1017990	Others	
	(ii)Milkandcream,notconcentrated,nor	
	containing added sugar or sweetening	
	matter; butter and other fats derived from	
1020000	milk,cheseandourd	
1020010	Cattle	
1020020	Sheep	
1020030	Goat	
1020040	Horse	
1020990	Others	
	(iii)Birds'eggs,fieshpreservedorcooked	
	Shelledeggsandeggyolksfiesh,dried,	
	cooked by stearning or boiling in water;	
	moulded, frozen or otherwise preserved	
1020000	whetheromoteontaining added sugaror	
1030000	sweeteningmatter	1
1030010	Chicken	
1030020	Duck	
1030030	Goose	
1030040	Quail	
1030990	Others	

1040000	(iv)Honey(Royaljelly,pollen)	
	(v) Amphibians and reptiles (Finglegs,	
1050000	crocodiles)	
1060000	(vi)Snails	
1070000	(vii)Othertenestrialanimalproducts	

^(*) Indicates lower limit of analytical determination



GLOSSARY / ABBREVIATIONS

a.s. active substance

ADI acceptable daily intake
ARfD acute reference dose

BBCH Federal Biological Research Centre for Agriculture and Forestry (Germany)

bw body weight

CF conversion factor for enforcement residue definition to risk assessment

residue definition

CXL codex maximum residue limit

d day

DM dry matter

dPF default processing factor - 1 for silage, 2.5 for fruit pomace, 1 for hay, 8 for

bran, 2 for press cake of oilseeds with 50% oil content and 1.3 for press cake

of oil seeds with 20% oil content

DT₉₀ period required for 90 percent dissipation (define method of estimation)

EC European Community

EFSA European Food Safety Authority

EU European union

GAP good agricultural practice

ha hectare hL hectolitre

HPLC high performance liquid chromatography

HR highest residue

ISO International Organization for Standardization

IUPAC International Union of Pure and Applied Chemistry

LOQ limit of quantification

MRL maximum residue limit

MS Member States

NEU Northern European Union

PF processing factor
PHI pre harvest interval

PRIMo Pesticide Residues Intake Model

RMS Rapporteur Member State
SEU Southern European Union

STMR supervised trials median residue

TRR total radioactive residue



UVD

ultra-violet detection