

REGISTRATION REPORT

Part B

Section 0

Product Background, Regulatory Context and
GAP information

Product code: GF-3969

Chemical active substances:

Rimsulfuron, 148.15 g/kg

Thifensulfuron methyl, 92.60 g/kg

Isoxadifen-ethyl, 111.1 g/kg

Central Zone

Zonal Rapporteur Member State: Poland

CORE ASSESSMENT

(authorization)

Applicant: Corteva/DuPont/DowAgroScience/Pioneer*

Submission date: December 2020

MS Finalisation date: December 2021 (initial Core Assessment)

August 2022 (final Core Assessment)

*Corteva Agriscience is new Legal Entity in most of EU countries and should be treated as an Applicant for GF-3969 registration. Information about Applicant for each country is provided in dRR Part A.

This document is the property of the applicant and contains confidential and trade secret information. Except as required by law, this document should not be, partially or fully (i) photocopied or released in any form to any outside party without the prior written consent of the applicant or its affiliates, or (ii) used by a registration authority to support the registration of any other product without the prior written consent of the applicant or its affiliates.

Version history

When	What
December 2020	Initial dRR – Corteva Agriscience
December 2021	Initial zRMS assessment The report in the dRR format has been prepared by the Applicant, therefore all comments, additional evaluations and conclusions of the zRMS are presented in grey commenting boxes. minor changes are introduced directly in the text and highlighted in grey. Not agreed or not relevant information are struck through and shaded for transparency .
August 2022	Final report (Core Assessment updated following the commenting period) Additional information/assessments included by the zRMS in the report in response to comments recieved from the cMS and the Applicant are highlighted in yellow. Information no longer relevant is struck through and shaded .

Table of Contents

0	Product background, regulatory context and GAP information	5
0.1	Introduction	5
0.1.1	Reason for application	5
0.1.2	Details of zRMS(s) and concerned MS	5
0.1.3	Regulatory history of the active(s)	6
0.1.3.1	Rimsulfuron.....	6
0.1.3.2	Thifensulfuron methyl.....	7
0.1.3.3	Isoxadifen-ethyl.....	8
0.1.4	Regulatory history of the product.....	9
0.2	zRMS conclusion	9
Appendix 1	ALL intended uses	10

0 Product background, regulatory context and GAP information

0.1 Introduction

This application is made to fulfil the requirements of Article 33 of Regulation (EC) No 1107/2009 for the authorisation of the product GF-3969.

Rimsulfuron information belongs to Corteva International Operations Sarl¹.

Thifensulfuron methyl information belongs to FMC, but all datapoints originate from the EFSA conclusion unless specified otherwise.

Unless otherwise specified, endpoints used in this submission for safener isoxadifen-ethyl originate from Bayer CropScience and Corteva has a letter of access.

0.1.1 Reason for application

This draft Registration Report (dRR) supports an application for the Article 33 product authorisation in Central zone with Poland as the Rapporteur Member State. The product is a water dispersible granules (WG) formulation containing 148.15 g/kg rimsulfuron and 92.60 g/kg thifensulfuron methyl and safener 111.1 g/kg isoxadifen-ethyl. The product is intended for use by professional users only on maize to control full grass spectrum and basic broad-leaved weeds (BLW) spectrum.

This application follows the data requirements for the active substance laid down in Regulation (EC) No. 544/2011 and the data requirements for the plant protection product laid down in Regulation (EC) No. 284/2013.

In addition to the submission of studies as listed in Part B, sections 1 to 10, exemption from the submission of studies is requested in accordance with Article 34 of Regulation (EC) No. 1107/2009.

0.1.2 Details of zRMS(s) and concerned MS

Table 0.1-1: Overview of zRMS and cMS

	zRMS, product name and authorization no. (if relevant)	(if relevant) Concerned MS, MS' product name and authorization number (if applicable)
Northern zone	Not applicable	Not applicable
Central zone	Poland Dragster [®] New product – no authorisation number	Austria (product name: Dragster [®]) Belgium (product name: Dragster [®] /Basis [®] Flex) Czech Republic (product name: Dragster [®]) Germany (product name: Dragster [®]) Hungary (product name: Basis [®] Forte) Ireland (product name: Dragster [®] /Basis [®] Forte) Netherlands (product name: Basis [®] Flex) Romania (product name: Basis [®] Forte) Slovakia (product name: Dragster [®]) New product – no authorisation number
Southern zone	Greece Dragster [®] /Basis [®] Flex New product – no authorisation number	France (product name: Dragster [®] /Basis [®] Flex) Portugal (product name: Dragster [®] /Grid [®]) Spain (product name: Dragster [®])

¹ Corteva International Operations Sarl is new Legal Entity and replace DuPont International Operations Sarl from 4th of January 2021

	zRMS, product name and authorization no. (if relevant)	(if relevant) Concerned MS, MS' product name and authorization number (if applicable)
		New product – no authorisation number
Inter-zonal	Not applicable	Not applicable

0.1.3 Regulatory history of the active(s)

0.1.3.1 Rimsulfuron

Table 0.1-2: Summary of regulatory history of CAS No: 122931-48-0

Status	
Approved in EU	Y
Original Inclusion Directive or Commission Implementing Regulation	Commission Directive 2006/39/EC
RMS	Slovenia is designated RMS, previous RMS was Germany
Date of Approval (or most recent renewal) of Active Substance (date of Regulation to be applied)	01.02.2007
Date of first Commission (re-registration) deadline (Step 1) or date of deadline for renewal of authorization (renewal)	31.01.2014
Date of final Commission (re-registration) deadline (Step 2)	N/A
Current expiration of approval	30.04.2023 2021 2022
Low risk substance or Candidate for Substitution?	No

Issues that need to be considered as part of the EU approval are listed below.

In this overall assessment Member States must pay particular attention to:

- protection of non-target plants and groundwater in vulnerable situations. Conditions of authorization should include risk mitigation measures, where appropriate.
- potential for accumulation of metabolites in soil under cold climatic conditions with respect to the protection of soil dwelling organisms
- evaluation of run-off and drainage into surface water in the risk assessment of aquatic organisms.

The SANCO report for rimsulfuron (SANCO/10528/2005 – rev. 2, 27/01/2006) is considered to provide the relevant information on the evaluation or a reference to where such information can be found. An EFSA Scientific Report (EFSA Scientific Report (2005) 45, 1-61) was made available on 10/08/2005 (updated 29/09/2005).

Table 0.1-3: Information on minimum purity of rimsulfuron

EU agreed minimum purity from Inclusion Directive or Implementing regulation	(if different) Minimum purity of active substance used in the product/ information on available equivalency report
≥960 g/kg	N/A Annex I source

The following table provides the endpoints used in the evaluation in the case that they deviate from EU endpoints.

Endpoint	Rimsulfuron		zRMS comments
	EU agreed endpoint from EFSA Journal 2005; 45, 1-61	Endpoint used*	
Part B, Section 8			
IN-J0290 sorption value - Kfoc	34 L/kg ^a	458	Consideration of new endpoints for metabolite IN-J0290 was agreed by the zRMS. Please note that the studies from which these values originate were already evaluated at the EU level in the course of the EU review of several sulfonylurea herbicides.
IN-J0290 sorption value - 1/n	1	0.8	
IN-J0290 DegT ₅₀	1000 ^b	27	
Part B, Section 9			
Honeybee chronic larvae	-	LC ₅₀ (22-d repeated exposure) >32 µg a.s./larva NOED (22-d repeated exposure) 32 µg a.s./larva	Consideration of the larvae endpoint for rimsulfuron was not agreed by the zRMS since in order to fulfil the data requirements respective studies with the formulation GF-3969 must be submitted.

a Calculated from from log kow = 0.9514;

b A default DegT₅₀ of 1000 days;

* Since EU approval new studies on the active substance have been performed

0.1.3.2 Thifensulfuron methyl

Table 0.1-4: Summary of regulatory history of CAS No: 79277-27-3

Status	
Approved in EU	Y
Original Inclusion Directive or Commission Implementing Regulation	Regulation (EU) 2016/1424
RMS	Austria is designated RMS, previous RMS was United Kingdom
Date of Approval (or most recent renewal) of Active Substance (date of Regulation to be applied)	01.11.2016
Date of first Commission (re-registration) deadline (Step 1) or date of deadline for renewal of authorization (renewal)	31.10.2028
Date of final Commission (re-registration) deadline (Step 2)	N/A
Current expiration of approval	31.10.2031
Low risk substance or Candidate for Substitution?	No

Issues that need to be considered as part of the EU approval are listed below.

In this overall assessment Member States must pay particular attention to:

- the protection of groundwater;
- the protection of non-target plants and aquatic organisms

The SANCO report for thifensulfuron methyl (SANCO/7577/VI/97 – 12/12/2001) is considered to provide the relevant information on the evaluation or a reference to where such information can be found. An EFSA Scientific Report (EFSA Journal 2015; 13(7):4201) was made available on 06/07/2015.

Table 0.1-5: Information on minimum purity of thifensulfuron methyl

EU agreed minimum purity from Inclusion Directive or Implementing regulation	(if different) Minimum purity of active substance used in the product/ information on available equivalency report
≥979 g/kg	N/A Annex I source

The following table provides the endpoints used in the evaluation in the case that they deviate from EU endpoints.

Endpoint	Thifensulfuron methyl		zRMS comments
	EU agreed endpoint from EFSA Journal 2015; 13(7):4201	Endpoint used*	
Part B, Section 9			
Thifensulfuron methyl: <i>Oncorhynchus mykiss</i> – chronic toxicity (ELS)	-	NOEC=10.6 mg/L	The endpoints listed in column 3 were evaluated and agreed by the RMS (UK) in the course of evaluation of the confirmatory data. Details are provided in EFSA Supporting publication:EN-1627.
Thifensulfuron methyl: <i>Daphnia magna</i> – acute toxicity	-	EC50 >120 mg a.s./L	
Thifensulfuron methyl: <i>Daphnia magna</i> – chronic toxicity	-	NOEC=99mg/L	
Thifensulfuron methyl: <i>Pseudokirchneriella subcapitata</i>	-	E _b C ₅₀ = 0.027 mg a.s./L	
IN-D8858: <i>Pseudokirchneriella subcapitata</i>	-	E _y C ₅₀ >0.045 mg met./L _{nom} E _r C ₅₀ >0.045 mg met./L _{nom}	
IN-D8858: <i>Lemna gibba</i>	-	EC ₅₀ >0.044 mg met/L	
IN-U5F72: <i>Folsomia candida</i>	-	NOEC = 100 mg met/kg dw	
IN-JZ789: <i>Folsomia candida</i>	-	NOEC = 90.58 mg met/kg dw	

* Since EU approval new studies on the active substance have been performed

0.1.3.3 Isoxadifen-ethyl

Table 0.1-6: Summary of regulatory history of CAS No: 163520-33-0

Status	
Approved in EU	N
Original Inclusion Directive or Commission Implementing Regulation	N/A
RMS	N/A
Date of Approval (or most recent renewal) of Active Substance (date of Regulation to be applied)	N/A
Date of first Commission (re-registration) deadline (Step 1) or date of deadline for renewal of authorization (renewal)	N/A
Date of final Commission (re-registration) deadline (Step 2)	N/A
Current expiration of approval	N/A
Low risk substance or Candidate for Substitution?	N/A

Isoxadifen-ethyl crop safener is not considered an active substance, and consequently has not been subject to review on EU level for inclusion into Annex I of Directive 91/414/EEC or Regulation (EC)

No 1107/2009. Nevertheless, an Annex II dossier has been prepared by Bayer CropScience for isoxadifen-ethyl and was submitted for evaluation at the Member State level. The data has been reviewed by Germany, resulting in a comprehensive evaluation report including a standard list of endpoints.

0.1.4 Regulatory history of the product

Not relevant as the product has not yet been authorised

0.2 zRMS conclusion

Authorisation of the product GF-3969 is recommended for the grasses and dicotyledonous weeds control in maize, either as single application and split dose.

Uses to be considered safe on the basis of EU methodology:

See column 15 of the GAP table presented in Appendix 1 of this document.

Uses to be considered non-safe on the basis of EU methodology:

See column 15 of the GAP table presented in Appendix 1 of this document.

Uses for which safety has been established only following additional risk mitigation at a national (non-core) level or for which the evaluation is to be confirmed by relevant CMS:

See column 15 of the GAP table presented in Appendix 1 of this document.

All uses/ GAPs are covered by established MRLs for use in maize.

Appendix 1 ALL intended uses

PPP (product name/code):	GF-3969	Formulation type:	WG	GAP rev. 2+, date: 08/2022 12/2021
Active substance 1:	Rimsulfuron	Conc. of a.s. 1:	148.15 g/kg	
Active substance 2:	Thifensulfuron methyl	Conc. of a.s. 2:	92.6 g/kg	
Active substance 3:	-	Conc. of a.s. 3.:	-	
Safener:	Isoxadifen-ethyl	Conc. of safener:	111.1 g/kg	
Synergist:	-	Conc. of synergist:	-	
Applicant:	DuPont/Corteva	Professional use:	<input checked="" type="checkbox"/>	
Zone(s):	CEU	Non professional use:	<input type="checkbox"/>	
Verified by MS:	Yes No			
Field of use:	Herbicide			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15							
Use- No.	Member state(s)	Crop and/ or situation (crop desti- nation/ purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I*	Pests or Group of pests controlled (additionally: de- velopmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha	Overall conclusions							
					Method/ Kind	Tim- ing/ Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. inter- val between applications (days)	kg product/ ha a) max. rate per appl. b) max. to- tal rate per crop/sea- son	g a.s./ha ^a a) max. rate per appl. b) max. to- tal rate per crop/sea- son	Water L/ha min/ max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites <small>in environment</small>	Efficacy
Zonal uses																					
1	Zonal GAP envelope for CEU countries	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTMS), Annual dicotyledonous weeds (TTDS), Perennial grass weeds (GGPE)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring March- July	a) 1 b) 1	n.a. ^b	a) 0.135 b) 0.135	a) 32.5 (20 + 12.5) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with max. 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil	A	A	A	A	A	R Aquatics	A	A
																			R NTTP <small>R.A. not finalised</small>		
																			A remaining species		
2	AT	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTMS 3ANMNT), Annual dicotyledonous weeds (TTDS 3ANDIT), Perennial grass weeds (GGPE 3PEGWT)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring April- July	a) 1 b) 1	n.a.	a) 0.135 b) 0.135	a) 32.5 (20 + 12.5) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with 0.2% a non- ionic surfactant (ex. KG691)	A	A	A	A	A	R Aquatics	A	A
																			R NTTP <small>R.A. not finalised</small>		
																			A remaining species		
3	BE	Maize (ZEAMX) (silage and grain)	F		Hydraulic sprayer overall		a) 1 b) 1	n.a.	a) 0.135 b) 0.135	a) 32.5 (20 + 12.5) b) 32.5 (20 + 12.5)	100 / 400	n.a.		A	A	A	A	A	R Aquatics	A	A

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15													
Use- No.	Member state(s)	Crop and/ or situation (crop desti- nation/ purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I*	Pests or Group of pests controlled (additionally: de- velopmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha	Overall conclusions													
					Method/ Kind	Tim- ing/ Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. inter- val between applications (days)	kg product/ ha a) max. rate per appl. b) max. to- tal rate per crop/sea- son	g a.s./ha ^a a) max. rate per appl. b) max. to- tal rate per crop/sea- son	Water L/ha min/ max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites <small>in arroundwater</small>	Efficacy						
				Annual monocotyledonous weeds (TTMS), Annual dicotyledonous weeds (TTDS), Perennial grass weeds (GGPE)		BBCH 11 to BBCH 18 Spring April-June							Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with max. 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil Dose range: 67.5 - 135 g product/ha							R NTTP <small>Risk not finalized</small>							
4	CZ	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTMS), Annual dicotyledonous weeds (TTDS), Perennial grass weeds (GGPE)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring March-July	a) 1 b) 1	n.a.	a) 0.135 b) 0.135	a) 32.5 (20 + 12.5) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil	A	A	A	A	A		R Aquatics	A					A	
																					R NTTP <small>Risk not finalized</small>						
																					R Aquatics	A					A
5	DE		F		Hydraulic sprayer overall		a) 1 b) 1	n.a.	a) 0.135 b) 0.135		100 / 400	n.a.		A	A	A	A	A		R Aquatics	A						A

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15										
Use- No.	Member state(s)	Crop and/ or situation (crop desti- nation/ purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I*	Pests or Group of pests controlled (additionally: de- velopmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha	Overall conclusions										
					Method/ Kind	Tim- ing/ Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. inter- val between applications (days)	kg product/ ha a) max. rate per appl. b) max. to- tal rate per crop/sea- son	g a.s./ha ^a a) max. rate per appl. b) max. to- tal rate per crop/sea- son	Water L/ha min/ max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites in arroundwater	Efficacy			
		Maize (ZEAMX) (silage and grain)		Annual monocotyledonous weeds (TTTMS), Annual dicotyledonous weeds (TTTDS), Perennial grass weeds (GGGPE)		BBCH 11 to BBCH 18 Spring March- July				a) 32.5 (20 + 12.5) b) 32.5 (20 + 12.5)			Safener: formulated product contains 111.1 g/kg isoxadifen- methyl (max. 15 g/ha) Adjuvant: application with 0.2% a non- ionic surfactant (ex. KG691) or vegetable oil							R NTTP <i>RAS not finalised</i>				A remaining species
8	NL	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTTMS); Annual dicotyledonous weeds (TTTDS); Perennial grass weeds (GGGPE) AGRRE, CHEAL, CHEPO, ECHCG	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring April- June	a) 1 b) 1	n.a.	a) 0.135 b) 0.135	a) 32.5 (20 + 12.5) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with max. 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil Dose range: 67.5 - 135 g product/ha	A	A	A	A	A	R Aquatics	A			A 67,5 g fp/ha: ECHCG, CHEAL, CHEPO 135 g fp/ha: AGRRE, ECHCG	
9	LU	Maize (ZEAMX) (silage and grain)	F		Hydraulic sprayer overall		a) 1 b) 1	n.a.	a) 0.135 b) 0.135	a) 32.5 (20 + 12.5) b) 32.5 (20 + 12.5)	100 / 400	n.a.		A	A	A	A	A	R Aquatics	A			A	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15														
Use- No.	Member state(s)	Crop and/ or situation (crop desti- nation/ purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I*	Pests or Group of pests controlled (additionally: de- velopmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha	Overall conclusions														
					Method/ Kind	Tim- ing/ Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. inter- val between applications (days)	kg product/ ha a) max. rate per appl. b) max. to- tal rate per crop/sea- son	g a.s./ha ^a a) max. rate per appl. b) max. to- tal rate per crop/sea- son	Water L/ha min/ max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites <small>in arroundwater</small>	Efficacy							
				Annual monocotyledonous weeds (TTMS), Annual dicotyledonous weeds (TTDS), Perennial grass weeds (GGGPE)		BBCH 11 to BBCH 18 Spring April- June								Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with max. 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil Dose range: 67.5 - 135 g product/ha							R NTTP <small>Risk not finalised</small>							
10	PL	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTMS), Annual dicotyledonous weeds (TTDS), Perennial grass weeds (GGGPE) <i>Echinochloa crus- galli</i> (ECHCG)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring April- June	a) 1 b) 1	n.a.	a) 0.135 b) 0.135	a) 32.5 (20 + 12.5) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with max. 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil	A	A	A	A	A		R Aquatics	A	A						
																					R NTTP <small>Risk not finalised</small>							
																					R NTTP <small>Risk not finalised</small>							
11	RO	Maize (ZEAMX) (silage and grain)	F		Hydraulic sprayer overall		a) 1 b) 1	n.a.	a) 0.135 b) 0.135	a) 32.5 (20 + 12.5) b) 32.5 (20 + 12.5)	100 / 400	n.a.		A	A	A	A	A		R Aquatics	A	A						

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15							
Use- No.	Member state(s)	Crop and/ or situation (crop desti- nation/ purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I*	Pests or Group of pests controlled (additionally: de- velopmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha	Overall conclusions							
					Method/ Kind	Tim- ing/ Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. inter- val between applications (days)	kg product/ ha a) max. rate per appl. b) max. to- tal rate per crop/sea- son	g a.s./ha ^a a) max. rate per appl. b) max. to- tal rate per crop/sea- son	Water L/ha min/ max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites <small>in arroundwater</small>	Efficacy
13	UK	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTMS), Annual dicotyledonous weeds (TTDS), Perennial grass weeds (GGPE)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring May- July	a) 1 b) 1	n.a.	a) 0.135 b) 0.135	a) 32.5 (20 + 12.5) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with 0.2% a non- ionic surfactant (ex. KG691) or vegetable oil	A	A	A	A	A	R Aquatics	A	A
																			R NTTP <small>R/A not finalised</small>		
																			A remaining species		
14	Zonal GAP envelope for CEU countries	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTMS), Annual dicotyledonous weeds (TTDS), Perennial grass weeds (GGPE)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring March- July	a) 2 b) 2	7	a) 0.135 b) 0.135	a) 32.5 (20 + 12.5) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with max. 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil Split application possible without exceeding the total maximum of 135 g product/ha	A	A	A	A	A	R Aquatics	A	A
																			R NTTP <small>R/A not finalised</small>		
																			A remaining species		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15							
Use- No.	Member state(s)	Crop and/ or situation (crop desti- nation/ purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I*	Pests or Group of pests controlled (additionally: de- velopmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha	Overall conclusions							
					Method/ Kind	Tim- ing/ Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. inter- val between applications (days)	kg product/ ha a) max. rate per appl. b) max. to- tal rate per crop/sea- son	g a.s./ha ^a a) max. rate per appl. b) max. to- tal rate per crop/sea- son	Water L/ha min/ max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites <small>in arroundwater</small>	Efficacy
15	AT	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTTTMS 3ANMNT), Annual dicotyledonous weeds (TTTTDS 3ANDIT), Perennial grass weeds (GGGPE 3PEGWT)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring April- July	a) 2 b) 2	7	a) 0.085 b) 0.135	a) 20.46 (12.59 + 7.87) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with 0.2% a non- ionic surfactant (ex. KG691) Split application: 85 + 50 g product/ha	A	A	A	A	A	R Aquatics	A	A
																			R NTTP <small>R.A. not finalised</small>		
																			A remaining species		
16	AT	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTTTMS 3ANMNT), Annual dicotyledonous weeds (TTTTDS 3ANDIT), Perennial grass weeds (GGGPE 3PEGWT)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring April- July	a) 2 b) 2	7	a) 0.0675 b) 0.135	a) 16.25 (10 + 6.25) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with 0.2% a non- ionic surfactant (ex. KG691) Split application: 2x 67.5 g product/ha	A	A	A	A	A	R Aquatics	A	A
																			R NTTP <small>R.A. not finalised</small>		
																			A remaining species		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15								
Use- No.	Member state(s)	Crop and/ or situation (crop desti- nation/ purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I*	Pests or Group of pests controlled (additionally: de- velopmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha	Overall conclusions								
					Method/ Kind	Tim- ing/ Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. inter- val between applications (days)	kg product/ ha a) max. rate per appl. b) max. to- tal rate per crop/sea- son	g a.s./ha ^a a) max. rate per appl. b) max. to- tal rate per crop/sea- son	Water L/ha min/ max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites <small>in arroundwater</small>	Efficacy	
17	BE	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTTMS), Annual dicotyledonous weeds (TTTDS), Perennial grass weeds (GGGPE)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring April- June	a) 2 b) 2	7	a) 0.0675 b) 0.135	a) 16.25 (10 + 6.25) b) 32.5 (20 + 12.5)	150 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with max. 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil Split application: 2x 67.5 g product/ha	A	A	A	A	A	R Aquatics	A	A	
																				R NTTP <small>Risk not finalised</small>		
																				A remaining species		
18	CZ	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTTMS), Annual dicotyledonous weeds (TTTDS), Perennial grass weeds (GGGPE)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring March- July	a) 2 b) 2	7	a) 0.0675 b) 0.135	a) 16.25 (10 + 6.25) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with 0.2% a non- ionic surfactant (ex. KG691) or vegetable oil Split application: 2x 67.5 g product/ha	A	A	A	A	A	R Aquatics	A	A	
																				R NTTP <small>Risk not finalised</small>		
																				A remaining species		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15							
Use- No.	Member state(s)	Crop and/ or situation (crop desti- nation/ purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I*	Pests or Group of pests controlled (additionally: de- velopmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha	Overall conclusions							
					Method/ Kind	Tim- ing/ Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. inter- val between applications (days)	kg product/ ha a) max. rate per appl. b) max. to- tal rate per crop/sea- son	g a.s./ha ^a a) max. rate per appl. b) max. to- tal rate per crop/sea- son	Water L/ha min/ max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites <small>in arroundwater</small>	Efficacy
19	CZ	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTMS), Annual dicotyledonous weeds (TTDS), Perennial grass weeds (GGGPE)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring March- July	a) 2 b) 2	7	a) 0.085 b) 0.135	a) 20.46 (12.59 + 7.87) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with 0.2% a non- ionic surfactant (ex. KG691) or vegetable oil Split application: 85 + 50 g product/ha	A	A	A	A	A	R Aquatics	A	A
																			R NTTP <small>R/A not finalised</small>		
																			A remaining species		
20	DE	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTMS), Annual dicotyledonous weeds (TTDS), Perennial grass weeds (GGGPE) AGRRE	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring April- July	a) 2 b) 2	7	a) 0.0675 b) 0.135	a) 16.25 (10 + 6.25) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with 0.2% a non- ionic surfactant (ex. KG691) Split application: 2x 67.5 g product/ha	A	A	A	A	A	R Aquatics	A	A
																			R NTTP <small>R/A not finalised</small>		
																			A remaining species		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15							
Use- No.	Member state(s)	Crop and/ or situation (crop desti- nation/ purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I*	Pests or Group of pests controlled (additionally: de- velopmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha	Overall conclusions							
					Method/ Kind	Tim- ing/ Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. inter- val between applications (days)	kg product/ ha a) max. rate per appl. b) max. to- tal rate per crop/sea- son	g a.s./ha ^a a) max. rate per appl. b) max. to- tal rate per crop/sea- son	Water L/ha min/ max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites <small>in arroundwater</small>	Efficacy
21	DE	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTMS), Annual dicotyledonous weeds (TTDS), Perennial grass weeds (GGGPE) AGRRE	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring April- July	a) 2 b) 2	7	a) 0.085 b) 0.135	a) 20.46 (12.59 + 7.87) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with 0.2% a non- ionic surfactant (ex. KG691) Split application: 85 + 50 g product/ha	A	A	A	A	A	R Aquatics	A	A
																			R NTTP <small>RA-not finalised</small>		
																			A remaining species		
22	HU	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTMS), Annual dicotyledonous weeds (TTDS), Perennial grass weeds (GGGPE)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring March- July	a) 2 b) 2	7	a) 0.0675 b) 0.135	a) 16.25 (10 + 6.25) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with max. 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil Split application: 2x 67.5 g product/ha	A	A	A	A	A	R Aquatics	A	A
																			R NTTP <small>RA-not finalised</small>		
																			A remaining species		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																					
														Use- No.	Member state(s)	Crop and/ or situation (crop desti- nation/ purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I*	Pests or Group of pests controlled (additionally: de- velopmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha	Overall conclusions							
																			Method/ Kind	Tim- ing/ Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. inter- val between applications (days)	kg product/ ha a) max. rate per appl. b) max. to- tal rate per crop/sea- son	g a.s./ha ^a a) max. rate per appl. b) max. to- tal rate per crop/sea- son	Water L/ha min/ max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites in arroundwater	Efficacy
23	NL	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTMS); Annual dicotyledonous weeds (TTDS); Perennial grass weeds (GGGPE) AGRRE, ECHCG, CHEAL, CHEPO	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring April- June	a) 2 b) 2	7	a) 0.0675 b) 0.135	a) 16.25 (10 + 6.25) b) 32.5 (20 + 12.5)	150 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with max. 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil Split application: 2x 67.5 g product/ha	A	A	A	A	A	R Aquatics	A	A														
																				R NTTP R.A. not finalised															
																				A remaining species															
24	LU	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTMS), Annual dicotyledonous weeds (TTDS), Perennial grass weeds (GGGPE)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring April- June	a) 2 b) 2	7	a) 0.0675 b) 0.135	a) 16.25 (10 + 6.25) b) 32.5 (20 + 12.5)	150 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with max. 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil Split application: 2x 67.5 g product/ha	A	A	A	A	A	R Aquatics	A	A														
																				R NTTP R.A. not finalised															
																				A remaining species															

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15								
Use- No.	Member state(s)	Crop and/ or situation (crop desti- nation/ purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I*	Pests or Group of pests controlled (additionally: de- velopmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha	Overall conclusions								
					Method/ Kind	Tim- ing/ Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. inter- val between applications (days)	kg product/ ha a) max. rate per appl. b) max. to- tal rate per crop/sea- son	g a.s./ha ^a a) max. rate per appl. b) max. to- tal rate per crop/sea- son	Water L/ha min/ max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites in arroundwater	Efficacy	
25	PL	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTTMS), Annual dicotyledonous weeds (TTTDS), Perennial grass weeds (GGGPE) <i>Echinochloa crus- galli</i> (ECHCG)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring April- June	a) 2 b) 2	7	a) 0.0675 b) 0.135	a) 16.25 (10 + 6.25) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with max. 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil Split application: 2x 67.5 g product/ha	A	A	A	A	A	R Aquatics	A	A	
																				R NTTP <i>R.A. not finalised</i>		
																				A remaining species		
26	RO	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTTMS), Annual dicotyledonous weeds (TTTDS), Perennial grass weeds (GGGPE)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring April- June	a) 2 b) 2	7	a) 0.0675 b) 0.135	a) 16.25 (10 + 6.25) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with max. 0.2% a non-ionic surfactant (ex. KG691) or vegetable oil Split application: 2x 67.5 g product/ha	A	A	A	A	A	R Aquatics	A	A	
																				R NTTP <i>R.A. not finalised</i>		
																				A remaining species		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15									
Use- No.	Member state(s)	Crop and/ or situation (crop desti- nation/ purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I*	Pests or Group of pests controlled (additionally: de- velopmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha	Overall conclusions									
					Method/ Kind	Tim- ing/ Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. inter- val between applications (days)	kg product/ ha a) max. rate per appl. b) max. to- tal rate per crop/sea- son	g a.s./ha ^a a) max. rate per appl. b) max. to- tal rate per crop/sea- son	Water L/ha min/ max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites <small>in arroundwater</small>	Efficacy		
27	SK	Maize (ZEAMX) (silage and grain)	F	Annual monocotyledonous weeds (TTTMS), Annual dicotyledonous weeds (TTTDS), Perennial grass weeds (GGGPE)	Hydraulic sprayer overall	BBCH 11 to BBCH 18 Spring March- July	a) 2 b) 2	7	a) 0.0675 b) 0.135	a) 16.25 (10 + 6.25) b) 32.5 (20 + 12.5)	100 / 400	n.a.	Safener: formulated product contains 111.1 g/kg isoxadifen-ethyl (max. 15 g/ha) Adjuvant: application with 0.2% a non- ionic surfactant (ex. KG691) or vegetable oil Split application: 2x 67.5 g product/ha	A	A	A	A	A	R Aquatics	A	A		
																				R NTTP <small>R.A. not finalised</small>			
																					A remaining species		

- * F: professional field use, Fn: non-professional field use, Fpn: professional and non-professional field use, G: professional greenhouse use, Gn: non-professional greenhouse use, Gpn: professional and non-professional greenhouse use, I: indoor application
a Dose expressed as total g active substance (g rimsulfuron + g thifensulfuron methyl)
b n.a. = not applicable

- Remarks table heading:**
- (a) e.g. wettable powder (WP), emulsifiable concentrate (EC), granule (GR)
 - (b) Catalogue of pesticide formulation types and international coding system CropLife International Technical Monograph n°2, 6th Edition Revised May 2008
 - (c) g/kg or g/l
 - (d) Select relevant
 - (e) Use number(s) in accordance with the list of all intended GAPs in Part B, Section 0 should be given in column 1
 - (f) No authorization possible for uses where the line is highlighted in grey, Use should be crossed out when the notifier no longer supports this use.

- | | | | | |
|-----------------|---|--|----|--|
| Remarks | 1 | Numeration necessary to allow references | 7 | Growth stage at first and last treatment (BBCH Monograph, Growth Stages of Plants, 1997, Blackwell, ISBN 3-8263-3152-4), including where relevant, information on season at time of application |
| columns: | 2 | Use official codes/nomenclatures of EU Member States | 8 | The maximum number of application possible under practical conditions of use must be provided. |
| | 3 | For crops, the EU and Codex classifications (both) should be used; when relevant, the situation should be described (e.g. fumigation of a structure) | 9 | Minimum interval (in days) between applications of the same product |
| | 4 | F: professional field use, Fn: non-professional field use, Fpn: professional and non-professional field use, G: professional greenhouse use, Gn: non-professional greenhouse use, Gpn: professional and non-professional greenhouse use, I: indoor application | 10 | For specific uses other specifications might be possible, e.g.: g/m ³ in case of fumigation of empty rooms. See also EPPO-Guideline PP 1/239 Dose expression for plant protection products. |
| | 5 | Scientific names and EPPO-Codes of target pests/diseases/ weeds or, when relevant, the common names of the pest groups (e.g. biting and sucking insects, soil born insects, foliar fungi, weeds) and the developmental stages of the pests and pest groups at the moment of application must be named. | 11 | The dimension (g, kg) must be clearly specified. (Maximum) dose of a.s. per treatment (usually g, kg or L product/ ha). |
| | 6 | Method, e.g. high volume spraying, low volume spraying, spreading, dusting, drench
Kind, e.g. overall, broadcast, aerial spraying, row, individual plant, between the plants - type of equipment used must be indicated. | 12 | If water volume range depends on application equipment (e.g. ULVA or LVA) it should be mentioned under “application: method/kind”. |
| | | | 13 | PHI - minimum pre-harvest interval |
| | | | 14 | Remarks may include: Extent of use/economic importance/restrictions |
| | | | 15 | Overall conclusions - explanation for the column 15 is below * |

* Explanation for the column 15 “Overall conclusions”

A	Acceptable
R	Acceptable with further restriction
C	To be confirmed by cMS
N	Not acceptable / evaluation not possible