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REGISTRATION REPORT

Part A

Risk Management

Product code: F7B-39-30

Product name: Rinpode

Chemical active substance: Florpyrauxifen-benzyl

Central Zone

Zonal Rapporteur Member State: Poland

NATIONAL ASSESSMENT

Poland

(authorization)

Applicant: Corteva Agriscience

Submission date: February 2023

zRMS Assessment date: 09/01/2024

Following commenting round: 10/04/2024

References correction: 02/08/2024

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Update on evaluation of metabolism studies in plants:
08/01/2025

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Version history

When	What
March 2023	Submission to zRMS and Concerned MSs
January 2024	zRMS assessment
April 2024	Following commenting round.
May 2024	Data protection claims added
July 2024	Minor updates to 2 study reports version (highlighted in turquoise)
August 2024	References correction
January 2025	Update on evaluation of metabolism studies in plants

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PART A

RISK MANAGEMENT

1 Details of the application

1.1 Application background

This application was submitted by Corteva Agriscience in March 2023.

The application is for the first approval of the formulation F7B-39-30 (trademark: Rinpode) as new post-emergence herbicide developed by Corteva Agriscience. The formulation is an EC (emulsion concentrate) containing 25 g/L of florpyrauxifen-benzyl (19.870 g a.e./L) for use as an herbicide in sugar beets.

F7B-39-30 is submitted to Southern and Central zones with France and Poland acting as zRMS respectively. Concerned Member States are Spain, Italy, Portugal, Greece, Croatia in Southern zone and Belgium, The Netherlands, Luxembourg, Hungary, Germany, Austria, Romania, Czech Republic, Romania, Slovakia in Central zone.

Florpyrauxifen-benzyl (trademark: Rinskor® active) is a New Active Substance (NAS), developed by Corteva Agrisciences, approved in accordance with Regulation (EC) No 1107/2009 on July 3rd, 2019. Details of the approval Regulation, Commission Review Report and EFSA R.O. are provided in the below table:

<i>Active Substance</i>	<i>Approval Regulation</i>	<i>SANCO/SANTE Review Report</i>	<i>EFSA Scientific Report</i>
Florpyrauxifen-benzyl (trademark: Rinskor® active)	Commission Implementing Regulation (EU) 2019/1138 of 3 July 2019	SANTE/10658/2019 rev2 of 21 May 2019	EFSA Journal 2018;16(8):5378. doi: 10.2903/j.efsa.2018.5378.

The Regulation (EU) 2019/1138 for Florpyrauxifen-benzyl (trademark: Rinskor® active) provides specific provisions under Part B which need to be considered by the applicant in the preparation of their submission and by the MS prior to granting an authorisation: “*For the implementation of the uniform principles as referred to in Article 29(6) of Regulation (EC) No 1107/2009, the conclusions of the review report on 21 March 2019, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment Member States shall pay particular attention to: — the protection of aquatic and terrestrial non-target plants. Conditions of use shall include risk mitigation measures such as buffer zones and/or drift reduction nozzles, where appropriate.*”

These concerns have been addressed within the current submission, where not otherwise stated.

Florpyrauxifen-benzyl (trademark: Rinskor® active) is a foliar post-emergence herbicide effective to control the most import weeds present in rice paddies; it is not yet authorized for sugar beets. Florpyrauxifen-benzyl is a member of the arylpicolinate family of chemistry, a new structural class of synthetic auxin herbicides, Group O (according to HRAC MOA classification). F7B-39-30 is active at low use rates in post-emergence applications against broadleaf weeds in sugar-beet.

F7B-39-30 is very similar to GF-3206 (trademark Loyant 25 Neo EC), with the addition of a food-grade dye, included in the composition at 0.0005% w/w. F7B-39-30 and GF-3206 are the same formulation type (emulsion concentrate) and contain equal amounts of active ingredient, antifoam, emulsifiers, solvents and adjuvant. The minimal difference in composition between F7B-39-30 and GF-3206 lead to toxicological and ecotoxicological properties that can be considered equivalent and in comparable performance on crop safety or efficacy. Based on comparability of both formulations, data generated with GF-3206 are used in support of the claim for F7B-39-30. GF-3206, which is authorized formulation since 2019 in all Southern Europe rice

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countries, is the representative formulation considered for the florpiauxifen-benzyl (trademark: Rinskor® active) approval, so it was fully evaluated in the active substance European process.

Information on the detailed composition of F7B-39-30 or of the GF-3206 formulation used as read-across can be found in the CONFIDENTIAL dossier of this submission (draft Registration Report - Part C). F7B-39-30 Rinpode critical and Country GAP within the zone is given in Part B, Section 0.

1.2 Letters of Access

Letter of access are not necessary for the application. Corteva Agriscience are the sole producer of florpiauxifen-benzyl.

1.3 Justification for submission of tests and studies

The studies submitted are necessary for first authorisation in Central EU zone and are in accordance with Reg. (EU) No. 284/2013. Relevant studies (as listed in SanCo Guidance Document 7109/VI/1995) have been conducted in compliance with the principles of GLP or GEP.

1.4 Data protection claims

Data protection is claimed in accordance with Article 59 of Regulation (EC) No. 1107/2009 as provided for in the list of references in Appendix 4.

2 Details of the authorization decision

2.1 Product identity

Product code	F7B-39-30
Product name in MS	Rinpode
Authorization number	To be decided
Function	Herbicide
Applicant	Corteva Agriscience
Active substance(s) (incl. content)	Florpirauxifen-benzyl 25g/l
Formulation type	Emulsion concentrate [Code: EC]
Packaging	<ul style="list-style-type: none"> PET: Bottles/Jerrican 0.05, 0.10, 0.15, 0.25, 0.50, 1, 2, 3, 5, 10, 15 and 20 litres. COEX HDPE/PA: Bottles/Jerrican 0.10, 0.50, 1, 2, 3, 5, 5.2, 6.2, 7, 10, 15 and 20 litres. F-HDPE: Bottles/Jerrican 0.05, 0.10, 0.15, 0.25, 0.50, 1, 2, 3, 5, 10, 15 and 20 litres.
Coformulants of concern for national authorizations	None
Restrictions related to identity	Not applicable

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Mandatory tank mixtures	None
Recommended tank mixtures	Refer to label proposal

2.2 Conclusion

The evaluation of the application for F7B-39-30 resulted in the decision to grant the authorization according to the GAP conditions presented below (Summary of intended uses).

From the residue aspect once the results of metabolism studies in sugar beet assessed at EU level are available, it will be necessary to verify the assessment performed.

2.3 Substances of concern for national monitoring

No national monitoring data are available by the applicant.

2.4 Classification and labelling

2.4.1 Classification and labelling under Regulation (EC) No 1272/2008

The classification of the product Rinpode (F7B-39-30) is the following:


Aquatic Acute 1 H400

Aquatic Chronic 1 H410.

This classification was triggered by study data.

The labelling, and hazard, precautionary and additional statements for F7B-39-30 (trademark: Rinpode), in accordance with Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (CLP Regulation), are presented below:

The labelling

Warning words and hazard symbol(s)	Justification
	Triggered by classification of the product F7B-39-30.
Signal word: Warning	

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Hazard statements

Hazard statements	Justification
Very toxic to aquatic life with long lasting effects.	H410 Triggered by classification of the product F7B-39-30..

Precautionary statements

Precautionary statements	Justification
Collect spillage.	P391 Recommended phrase. (H410)

Additional statements

Additional statements	Justification
Contains Florpyrauxifen Benzyl. May produce an allergic reaction.	EUH208 Mixtures not classified as sensitising but containing at least one sensitising substance: The label on the packaging of mixtures containing at least one substance classified as sensitising and present in a concentration equal to or greater than 0.1% or in a concentration equal to or greater than that specified under a specific note for the substance in part 3 of Annex VI shall bear this statement.
To avoid risks to human health and the environment, comply with the instructions for use.	EUH401 All plant protection products subject to 1107/2009/EC shall also include this phrase.

See Part C for justifications of the classification and labelling proposals.

2.4.2 Standard phrases under Regulation (EU) No 547/2011

SP 1	Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).
SPe3	<p>For terrestrial non target plants, terrestrial vertebrates, bees, arthropods other than bees, soil organisms the risk is acceptable without the need for any mitigation measures.</p> <p>EN: To protect aquatic organisms use the following mitigation measures:</p> <p>Use in sugar and fodder beet (2x 1 g/ha):</p> <ul style="list-style-type: none"> • 90% drift reducing nozzles or • 50% drift reducing nozzles coupled with 5 m buffer zone to surface water bodies or • 10 m buffer zone to surface water bodies <p>Use in sugar and fodder beet (1x 2 g/ha):</p> <ul style="list-style-type: none"> • 75% drift reducing nozzles or • 5 m buffer zone to surface water bodies <p>Use in sugar and fodder beet (3x 0.66 g/ha):</p> <ul style="list-style-type: none"> • 50% drift reducing nozzles or • 5 m buffer zone to surface water bodies <p>Use in sugar and fodder beet (4x 0.5 g/ha):</p> <ul style="list-style-type: none"> • 50% drift reducing nozzles or • 5 m buffer zone to surface water bodies

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	Country:
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2.4.3 Other phrases (according to Article 65 (3) of the Regulation (EU) No 1107/2009)

None required.

2.5 Risk management

2.5.1 Restrictions linked to the PPP

The authorization of the PPP is linked to the following conditions (mandatory labelling):

Operator protection:	
respective code if available	National PPE requirements not needed.
Worker protection:	
respective code if available	National PPE requirements not needed.
Integrated pest management (IPM)/sustainable use:	
respective code if available	HRAC 0
Environmental protection	
respective code if available	None
Other specific restrictions	
respective code if available	None

The authorization of the PPP is linked to the following conditions (voluntary labelling):

Integrated pest management (IPM)/sustainable use:	
respective code if available	Not pertinent

2.5.2 Specific restrictions linked to the intended uses

No specific restrictions are required.

2.6 Intended uses (only NATIONAL GAP)

This dossier contains data and information to support the use of F7B-39-30 (trademark Rinpode) as post-emergence synthetic auxin herbicide, effective against the most import weeds present in sugar beet and fodder beet crops like *Chenopodium album*, *Abutilon theophrasti*, *Capsella bursa-pastoris*, *Papaver rhoeas*, *Mercurialis annua*, *Viola arvensis*, *Aethusa cynapium*, *Galinsoga parviflora*, *Lamium purpureum* and *Galium aparine*.

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Summary of intended uses

GAP rev. 7, date: 14 Dec 2022

PPP (product name/code): F7B-39-30
 Active substance: FLORPYRAUXIFEN-BENZYL (*Rinskor® active*)
 Safener: n/a
 Synergist: n/a
 Applicant: Corteva Agriscience
 Zone(s): Central^(d)
 Verified by MS: yes/no
 Field of use: herbicide

Formulation type: EC ^(a, b)
 Conc. of as: 25 g as/L ^(c)
 Conc. of safener: n/a ^(c)
 Conc. of synergist: n/a ^(c)
 Professional use: X
 Non professional use: ☐

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. (e)	Member state(s)	Crop and/ or situation (crop destination / purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I	Pests or Group of pests controlled (additionally: developmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/synergist per ha (i)
					Method / Kind	Timing / Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	g product / ha a) max. rate per appl. b) max. total rate per crop/season	g ai/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max		
Zonal uses (field or outdoor uses, certain types of protected crops)													
1	Central Zone: Poland, Belgium, The Netherlands, Luxemburg, Hungary, Germany, Austria, Czech Republic, Romania, Slovakia	<u>Sugar beet:</u> <i>Beta vulgaris</i> (BEAVA). Fodder beet (BEAVC)	F	<i>Chenopodium album</i> (CHEAL) <i>Aethusa cynapium</i> (AETCY) <i>Galium aparine</i> (GALAP), <i>Galisongra parviflora</i> (GASPA) <i>Abutilon theophrasti</i> (ABUTH) and other species <i>Lamium purpureum</i> (LAMPU)	Overall, foliar spray	BBCH 10 to 19	a) 1 b) 1	N/A	a) 0.08 L pr/ha b) 0.08 L pr/ha	a) 2.0 b) 2.0	100- 300	N/A	A maximum of 1 application at a dose range of 2.0 g ai/ha and per season.
2	Central Zone: Poland, Belgium, The Netherlands, Luxemburg, Hungary, Germany, Austria, Czech Republic, Romania, Slovakia	<u>Sugar beet:</u> <i>Beta vulgaris</i> (BEAVA). Fodder beet (BEAVC)	F	<i>Chenopodium album</i> (CHEAL) <i>Aethusa cynapium</i> (AETCY) <i>Galium aparine</i> (GALAP), <i>Galisongra parviflora</i> (GASPA) <i>Abutilon theophrasti</i> (ABUTH) and other species <i>Lamium purpureum</i> (LAMPU)	Overall, foliar spray	BBCH 10 to 19	a) 2 b) 2	5-7 days 7-9 days	a) 0.04 L pr/ha b) 0.08 L pr/ha	a) 1.0 b) 2.0	100- 300	N/A	A maximum of 2 applications at a dose of 1.0 gai/ha per application, with a total maximum dose of 2.0 g ai per ha and per season.
3	Central Zone: Poland, Belgium, The Netherlands, Luxemburg,	<u>Sugar beet:</u>	F	<i>Chenopodium album</i> (CHEAL) <i>Aethusa cynapium</i> (AETCY)	Overall, foliar spray	BBCH 10 to 19	a) 3 b) 3	5-7 days 7-9 days	a) 0.026 L pr/ha b) 0.08 L pr/ha	a) 0.66 b) 2.0	100- 300	N/A	A maximum of 3 applications at a dose of 0.66 g ai/ha per

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. (e)	Member state(s)	Crop and/ or situation (crop destination / purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I	Pests or Group of pests controlled (additionally: developmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks:
					Method / Kind	Timing / Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	g product / ha a) max. rate per appl. b) max. total rate per crop/season	g ai/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max		
	Hungary, Germany, Austria, Czech Republic, Romania, Slovakia	<i>Beta vulgaris</i> (BEAVA). Fodder beet (BEAVC)		<i>Galium aparine</i> (GALAP), <i>Galisongia parviflora</i> (GASPA) <i>Abutilon theophrasti</i> (ABUTH) and other species <i>Lamium purpureum</i> (LAMPU)									application, with a total maximum dose of 2.0 g ai per ha and per season.
4	Central Zone: Poland, Belgium, The Netherlands, Luxemburg, Hungary, Germany, Austria, Czech Republic, Romania, Slovakia	<u>Sugar beet:</u> <i>Beta vulgaris</i> (BEAVA). Fodder beet (BEAVC)	F	<i>Chenopodium album</i> (CHEAL) <i>Aethusa cynapium</i> (AETCY) <i>Galium aparine</i> (GALAP), <i>Galisongia parviflora</i> (GASPA) <i>Abutilon theophrasti</i> (ABUTH) and other species <i>Lamium purpureum</i> (LAMPU)	Overall, foliar spray	BBCH 10 to 19	a) 4 b) 4	5-7 days 7-9 days	a) 0.02 L pr/ha b) 0.08 L pr/ha	a) 0.5 b) 2.0	100- 300	N/A	A maximum of 4 applications at a dose of 0.5 g ai/ha per application, with a total maximum dose of 2.0 g ai per ha and per season.
5	Central Zone: Poland, Belgium, The Netherlands, Luxemburg, Hungary, Germany, Austria, Czech Republic, Romania, Slovakia	<u>Sugar beet:</u> <i>Beta vulgaris</i> (BEAVA). Fodder beet (BEAVC)		<i>Chenopodium album</i> (CHEAL) <i>Aethusa cynapium</i> (AETCY) <i>Galium aparine</i> (GALAP), <i>Galisongia parviflora</i> (GASPA) <i>Abutilon theophrasti</i> (ABUTH) and other species <i>Lamium purpureum</i> (LAMPU)	Overall, foliar spray	BBCH 10 to 19	a) 1 - 4 b) 1 - 4	5-7 days 7-9 days	a) 0.02 – 0.08 L pr/ha b) 0.02 - 0.08 L pr/ha	a) 0.5 – 2.0 b) 0.5 – 2.0	100- 300	N/A	A maximum of 4 applications at a dose of 0.5 – 2.0 g ai/ha per application, with a total maximum dose of 2.0 g ai per ha and per season.

* Use number(s) in accordance with the list of all intended GAPs in Part B, Section 0 should be given in column 1

** 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

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.

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Remarks columns:	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
	2	Use official codes/nomenclatures of EU Member States		
	3	For crops, the EU and Codex classifications (both) should be used; when relevant, the use situation should be described (e.g. fumigation of a structure)	8	The maximum number of application possible under practical conditions of use must be provided.
	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	9	Minimum interval (in days) between applications of the same product
	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.	10	For specific uses other specifications might be possible, e.g.: g/m³ in case of fumigation of empty rooms. See also EPPO-Guideline PP 1/239 Dose expression for plant protection products.
			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	12	If water volume range depends on application equipments (e.g. ULVA or LVA) it should be mentioned under “application: method/kind”.
		Kind, e.g. overall, broadcast, aerial spraying, row, individual plant, between the plants - type of equipment used must be indicated.	13	PHI - minimum pre-harvest interval
			14	Remarks may include: Extent of use/economic importance/restrictions

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3 Background of authorization decision and risk management

3.1 Physical and chemical properties (Part B, Section 2)

The plant protection product F7B-39-30 (trademark: Rinpode) is an EC formulation containing 25 g/L florypyrauxifen-benzyl (trademark: *Rinskor® active*) as active substance. F7B-39-30 is very similar to GF-3206 (the representative formulation for the EU approval of florypyrauxifen-benzyl), with the addition of a food-grade dye, included in the composition at 0.0005% w/w. F7B-39-30 and GF-3206 (trademark Loyant 25 Neo EC) are the same formulation type (EC - emulsion concentrate) and contain equal amounts of active ingredient, antifoam, emulsifiers, solvents and adjuvant. Unless noted otherwise, physical, chemical properties of F7B-39-30 are largely based on the read-across formulation GF-3206.

The appearance of F7B-39-30 is that of a green clear liquid with fruity odour. The density is 0.924 g/mL and the pH of an aqueous dilution (1%) is 5.5 at 19 °C. The product showed a Newtonian behaviour.

The F7B-39-30 physical properties, other than the appearance, are not anticipated to change significantly as a result of the colorant.

Based on the physical-chemical studies performed in GLP laboratory, the F7B-39-30 is not explosive, has no oxidizing properties, is not flammable (flashpoint higher than 100°C).

GF-3206 is not liable to ignite under normal storage conditions.

F7B-39-30 is anticipated to be stable under accelerated and ambient storage conditions in commercial packaging: the addition of the food-grade dye is not anticipated to impact the active ingredient stability nor technical performance properties

Based on accelerated storage studies in PET packaging conducted on formulation F7B-39-30, there is no effect of low and high temperature on the stability of the formulation, since at 54°C for 14 days, at 40°C for 8 weeks and at 0°C for 7 days, no significant change in active substance content or in physical-chemical properties occurred.

Ambient storage stability (24 months) and shelf-life data (36 months) in commercial packaging are leveraged from studies conducted from GF-3206. A three years storage stability study at ambient temperature is presented: based on the data after 36 months, a shelf life of three years in commercial packaging for F7B-39-30 is to be assigned.

F7B-39-30 technical characteristics are acceptable for an emulsifiable concentrate (EC) formulation.

The maximum proposed concentration of use is 0.08% v/v while, the minimum proposed concentration is 0.007% v/v.

No application is being made for the authorisation of the combined use of the preparation with any other product. However, the read-across formulation GF-3206 was tested with 14 other products including EC, CS, SC, WG, OD and EC formulation types. All of the prospective tank mix partners were deemed to be compatible under static conditions. The same tank mix compatibility is expected for F7B-39-30. F7B-39-30 is expected to be compatible (physically/chemically) in mixtures with other commercial products in agitated spray tanks.

zRMS

Based on the physical-chemical studies performed on F7B-39-30 (e.g. accelerated storage studies in PET packaging - 54°C for 14 days and 40°C for 8 weeks) and 3 years ambient storage stability conducted on similar formulation GF-3206*, the product F7B-39-30 is stable at least 3 years at ambient temperature when stored in PET, HDPE/PA and f-HDPE containers.

* F7B-39-30 and GF-3206 are the same formulation type (emulsion concentrate) and contain equal amounts of active ingredient, antifoam, emulsifiers, solvents and adjuvant. F7B-39-30 compare to GF-3206 contains additionally in the composition 0.0005% w/w of food-grade dye.

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Justified Proposals for Classification and Labelling for physical chemical part only

None.

Notifier Proposals for Risk and Safety Phrases

None.

Compliance with FAO specifications:

Both the product F7B-39-30 (RINPODE) and the read-across formulation GF-3206 comply with FAO specifications.

3.2 Efficacy (Part B, Section 3)

F7B-39-30 (trademark Rinpode) is a synthetic auxin herbicide for uses post-emergence, effective against the most import weeds present in sugarbeet and fodder beet crops like *Chenopodium album*, *Abutilon theophrasti*, *Capsella bursa-pastoris*, *Papaver rhoeas*, *Mercurialis annua*, *Viola arvensis*, *Aethusa cynapium*, *Galinsoga parviflora*, *Lamium purpureum* and *Galium aparine*.

3.3 Efficacy data

F7B-39-30 is an emulsifiable concentrates (EC) formulation containing 25 g per litre (g/L) of florypyrauxifen-benzyl. It is a new post-emergence foliar herbicide for use in sugarbeet and fodder beet.

The zonal GAP envelope for CEU countries foresees the maximum application dose of 80 ml/ha/season (2gai/ha) of F7B-39-30 25.05 gai/l EC. The product can be applied from 1 to 4 applications at the doses of 80 to 20 ml/ha (2-0.5 gai/ha according to the number of applications). The developmental stage of the crop at the application should be between BBCH10 and BBCH19 (cotyledon to 9 leaves).

To determine the efficacy and weed spectrum of F7B-39-30 in sugar beet for the countries in the Central regulatory zone, a total of 21 trials have been conducted with GF-3206 which has identical composition with F7B-39-30, except for adding Sensipro Blue Pond in the formulation. As the blue dye is only at 0.0005% w/w the formulations are considered equivalent, therefore results for GF-3206 can be used for F7B-39-30.

The trials were conducted between 2021 and 2022. 17 trials were carried out in the countries of the Central zone, additionally 2 trials from France to support the EPPO maritime zone were included, as well as 2 trials from the UK, a non-EU regulatory zone, which bring a total of 21 trials for this section.

Also, in this efficacy section the benefit of F7B-39-30 when use in program with other sugar beet herbicides was summarized from a total of 13 trials also conducted in the Central regulatory zone. On this part of the efficacy section, common sugar beet herbicide program will be tested with and without F7B-39-30 to demonstrate the value and interest to include this new herbicide on the current herbicide program to control weeds that are not completed well controlled today with current herbicides solutions.

All trials presented by the applicant were performed by acknowledged GEP trial contractor organizations and by Corteva Agriscience following in all cases the GEP guidelines. The trials were performed between 2021 and 2022 in the countries of the Maritime, North-East and South-East EPPO climatic zones that belong to the Central European Zone.

The applicant submitted 13 trials carried out in 2021, 2022 on different varieties of sugar beet (BTS SMART 9145 N, BTS-555, Lisanna, Hanibal, KWS Florentina, Lunella, BTS 9975, Smart Renja KWS, Klara, Coati, Panorama, Kujawa) in PL, DE and CZ.

The Applicant presented a climatic comparison between trials carried out in Germany, Czech Republic and Poland and to use this data from neighbours countries of Poland to support registration of F7B-39-30 in Poland,

showing similarity of edaphic and climatic data in mentioned countries. The same way trials from DE and CZ might be relevant for PL.

The following reports were excluded from the evaluation because the number of weeds per m² were not adequate (below the level 4-5 weeds per m²):

DE22F7B022-NFR06C: MERAN – 2,75 pl./ m²

DE22F7B022-NFR07C: MERAN – 1,5 pl. /m²

DE22F7B022-NFR37C: GASPA - 3 pl./ m²

EA21F7B039H-DPR015: PAPRH, VIOAR - 3 pl./ m²

DE22F7B022-WD108: AETCY – 0 pl./ m²

Efficacy was assessed 7 days after application before next application and then at regular intervals up to 56 days after last application. In two-three trials assessment was conducted late - on 74 day after last application.

Weed species	Efficacy [%] 31- 74 days after last application (the best results presented):			
	1 appl. no. of trials	2 appl. no. of trials	3 appl. no. of trials	4 appl. no. of trials
CHEAL	64,6 (15,0 -100) 11	74,1 (20,0-100) 10	73,9 (20,0-100) 11	70,6 (25,0-100) 10
ABUTH	79,6 (65,0-100) 3	98,0 (96,0-100) 2	98,5 (95,5-100) 3	100 2
GALAP	70,8 (27,5-85,0) 3	100 2	98,2 (96,3-100) 3	99,5 (99,0-100) 2

There is a noticeable variation in the efficacy of the product in PL and neighboring countries against CHEAL. Therefore, in order to confirm the moderately susceptible efficacy of the product and its consistent performance in PL, it is necessary to submit post-registered 2-3 trials conducted in the climatic zone of PL- NE, in the country of registration and placing on the market of the product.

ABUTH – all applications

All presented trials were conducted in the neighboring country (CZ), with high efficacy. Taking into account above explanation for CHEAL, rules presented in the Guidelines of Polish Ministry and the reduced number of trials for 2 and 4 applications, it is necessary to submit post-authorized 2 trials conducted in the climatic zone of PL- NE, in the country of registration and placing on the market of the product to confirm efficacy for PL.

GALAP

For 2 and 4 applications, the Applicant presented only 2 trials. For 1 and 3 applications the number of trials is appropriate. Since the product performed with high efficacy, especially for split doses, therefore a reduced number of trials for 2 and 4 applications can be considered.

LAMPU

the Applicant presented only 2 trials for all applications. Since the product performed with high and consistent efficacy (100%) especially for split doses, and better than the reference product (20-30%), therefore a reduced number of trials can be accepted conditionally. In order to confirm the efficacy of the product and its consistent performance, it is necessary to submit post-registered 2-3 trials conducted in the climatic zone of PL- NE, in the country of registration and placing on the market of the product.

31-74 days after last application the following target weed species were categorized as:

- 1 applic.: CHEAL (MT), ABUTH (MS), GALAP (MS), LAMPU (MT)
- 2 applic.: CHEAL (MS), ABUTH (S), GALAP (S), LAMPU (S)
- 3 applic.: CHEAL (MS), ABUTH (S), GALAP (S), LAMPU (S)

Efficacy data from sugar beet can be extrapolated to fodder beet.

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To sum up, it might be concluded that the post-emergence application of F7B-39-30 at claimed dose rates (spray volume 100 - 300 l/ha) controlled weeds in sugar beet comparable or better than the standard product Betasana SC. The split applications gave better results in comparison to one application of the product.

Proposed zonal label text for F7B-39-30 25.05 EC at the dose of 0.08L/ha (2 g.ai/ha)

Based on the results presented in this section, it can be concluded that F7B-39-30 is effective in controlling important weeds in sugar beet in Central European countries, such as ABUTH, GALAP", GASPA, LAMPU, PAPRH, AETCY, CHEAL, MERAN and VIOAR. For some of the weeds, the level of susceptibility to F7B-39-30, applied between one and four times, varies from moderate to high. It is particularly noteworthy that F7B-39-30 is effective against weeds that are difficult to control with the active substances currently available in the sugar beet market, such as AETCY, ABUTH and GALAP. A single application of F7B-39-30, or splitting it into two to four applications, provides good control of these weeds. However, it is common practice to combine several active substances in weed control for sugar beet, and therefore it is expected that F7B-39-30 will not be used alone. For this reason, the dossier also includes trials of F7B-39-30 in tank mix with other sugar beet herbicides to demonstrate its value in several common weed herbicide control programs. The corresponding data are presented as supporting data only, and no claims are made for the inclusion of programs on the proposed label.

The Applicant has not included in the GAP table the use of the product F7B-39-30 as a mixture with other authorised on the markets herbicides. In the dRR/BAD, he explained that data in this paragraph are supporting data and no claim for the inclusion of specific programs on the proposed label will be made. The only intention is to include in the label proposal that F7B-39-30 may be generally tank mixed with any current sugar-beet protection herbicide present on the market.

The Applicant has presented limited data showing efficacy mixture of herbicides with and without F7B-39-30 in three programs A, B, C. In each program, different set of herbicides was used to prove improvement of efficacy after an addition of F7B-39-30. The efficacy was tested in the split applications – 3 and 4 applications against: CHEAL, ATECY, ABUTH, GALAP, GASPA, MERAN, CAPBP, LAMPU and PAPRH.

4 trials were presented for PL where the efficacy of the product with mixture was tested. In each program the addition of F7B-39-30 applied as either a three (0,66 g a.i/ha) or four applications (0,5 g a.i/ha) split dose improved efficacy. Number of efficacy trials for the presented weeds species is not sufficient to conclude about efficacy. Nevertheless, relying on those limited data it may be assumed that the addition of F7B-39-30 to program A, B and C will be improved efficacy against presented weeds

3.3.1 Information on the occurrence or possible occurrence of the development of resistance

Florpyrauxifen-benzyl is a member of the arylpicolinate family of synthetic auxins (Group "4/O" according to HRAC classification).

Florpyrauxifen-benzyl is an auxin herbicide that disrupts the plant growth regulation processes. F7B-39-30 is a post-emergence herbicide for the control of broadleaf weeds in sugar beet crops.

Resistance to synthetic auxins is known worldwide. A total of 28 weed species have been published as resistant to synthetic auxin herbicides in the world, and only 4 weed species are recorded as resistant in Europe. Most of the resistance cases recorded in Europe are resistant to 2,4-D, MCPA or MCPP and none to the florpyrauxifen-benzyl chemical family. Despite the low risk from the synthetic auxins actives to develop resistance, a management plan is promoted for the commercial use of F7B-39-30.

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A responsible management of F7B-39-30 will be recommended, and the use of management strategies will be promoted.

These management strategies include:

- 1) The principles of good plant protection practices will be promoted. These include the use of cultural and mechanical practices to ensure that herbicide application is made under favourable environmental conditions, facilitating good even coverage, to prevent resistance appearance by avoiding monocultures situations, ploughing before crop drill, etc.
- 2) Use recommended label rates to maximise effective control and minimise seed return to the soil bank
- 3) Do not apply F7B-39-30 to the same weed population more than once per year
- 4) Destroy all the seed produced by the herbicide no-controlled weeds using mechanical control or the target application of a total herbicide

The resistance management strategy will be regularly reviewed considering experience of the commercial use of the product and any changes in advice from local Herbicide Resistance Working Groups.

Corteva will conduct monitor studies on F7B-39-30 from the moment that the product will be authorized on weed populations present in sugar beet crops. These monitoring studies will be conducted in the same manner as those already in progress for current Corteva herbicides. Seed samples will be collected in the fields following weed control failure. Resistant “in vivo” test under growth chamber conditions and DNA analysis on leaves will be performed to confirm if the population is resistant or not.

3.3.2 Adverse effects on treated crops

Florpyrauxifen-benzyl does not have significant adverse effect on treated crop when using according to the GAP. Eventual injury observed is transitory and not transient, expressed as deformation, chlorosis and slight growth reduction, with no impact on root and leaf yield or on the quality parameters.

The application of F7B-39-30 can cause chlorosis, deformations and growth inhibitions when product applied in one or split applications without impact on yield and quality of crop.

The Applicant should have presented 2 selectivity trials to confirm the product use in fodder beet. It is necessary to submit post-authorized 2 selectivity trials for fodder beet conducted in the climatic zone of PL-NE, in the country of authorisation and placing on the market of the product, to confirm safety of fodder beet.

The Applicant presented no data on effects on treated plants or plant products to be used for propagation. There is no knowledge whether detectable residues occur in harvested seed from sugar beet for seed, protected by the product.

On the PL label should be place information that phytotoxicity cannot be excluded. Consult the authorisation holder for information related to impact on seed from sugar beet. After commenting period, following the information from Applicant, the information on the polish label has been added that the product is not intended for use in the protection of sugar beet for seed production

Observations on other undesirable or unintended side-effects

Spray drift of florpyrauxifen-benzyl ester can be injurious if reach susceptible crops adjacent to the sprayed areas. Thus, it is recommended do not spray in windy weather and avoid spray drift onto non-target crops.

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Based on the studies conducted no undesirable or unintended side-effects have been observed for florpyrauxifen-benzyl.

To confirm the rainfastness of the product for the sake of this authorisation (on sugar beet), the lower dose rates should be tested: 2g a.i./ha, 2x 1ga.s./ha, 3 x 0,66 g a.i./ha and 4 x 0,5 g a.i./ha. Lower doses subjected to rainfall may not ensure high efficacy of the product. ZRMS can agree to place information about the product rainfastness period of 1 hour on the PL label conditionally to the time of post-authorized presenting studies confirming rainfastness of the product with the claimed dose rates for sugar beet.

3.4 Methods of analysis (Part B, Section 5)

Adequate methods are available for the determination of the active substance and toluene in the technical material and in the formulation. Since the addition of the dye is not anticipated to impact the determination of the active ingredient, the analysis of F7B-39-30 can be performed utilizing the fully validated analytical method developed for GF-3206 (the representative formulation for the EU approval of florpyrauxifen-benzyl).

The residue definition for monitoring in soil was defined as florpyrauxifen-benzyl and its metabolite florpyrauxifen (X11438848). Appropriate HPLC-MS/MS method exists for monitoring the compounds of the residue definition with LOQs of 6.5 ng/kg for florpyrauxifen-benzyl and 12 ng/kg for florpyrauxifen.

Florpyrauxifen-benzyl and florpyrauxifen can be monitored in surface water and ground water by HPLC-MS/MS method with LOQs of 0.0025 µg/L and 0.05 µg/L, respectively.

Florpyrauxifen-benzyl residues in air can be determined by HPLC-MS/MS with a LOQ of 150 µg/m³.

HPLC-MS/MS methods exists for the determination of florpyrauxifen-benzyl and its metabolite florpyrauxifen in body fluids and tissues with LOQs of 0.05 mg/L and 0.01 mg/kg respectively.

3.4.1 Analytical method for the formulation

The active content of the formulation is determined using a high-pressure liquid chromatographic (HPLC) method with ultra-violet detector. Quantitation is determined using internal standard calibration and has been validated over the range of 1.40 to 5.40%. The recovery, linearity, and precision data have shown this method to be acceptable for the assay of florpyrauxifen-benzyl in the end-use product.

The concentration of relevant impurity (toluene) is determined by headspace gas chromatography with a mass spectrometer detector in SIM mode at 91 *m/z* using method CIPAC MT 198.

The methods are acceptable and considered validated according to SANCO/3030/99 Rev. 4.

3.4.2 Analytical methods for residues

Residues of florpyrauxifen-benzyl in food and feed of plant origin can be determined by LC-MS/MS methods and also by the QuEChERS multi-residue method using LC-MS/MS with LOQ values of 0.01 mg/kg in all commodity groups. Adequate LC-MS/MS methods and the QuEChERS multi-residue method are available for the determination of residues of florpyrauxifen-benzyl in food and feed of animal origin with LOQ values of 0.01 mg/kg in all matrices. Primary methods and multi-residue methods for food and feed of plant and animal origin are all supplemented with corresponding ILVs and acceptable extraction efficiency. The methods are acceptable and considered validated according to SANTE/2020/12830 Rev. 1.

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3.5 Mammalian toxicology (Part B, Section 6)

Full summaries of studies on the product are based on study results from GF-3206, an EC formulation containing a nominal 25 g/L of Florpyrauxifen-benzyl. F7B-39-30 has identical composition with GF-3206, except for adding Sensipro Blue Pond in the formulation. As the blue dye is only at 0.0005% w/w and its SDS indicates not being classified for any toxicity. As such toxicological study results for GF-3206 can be used for F7B-39-30 including acute and dermal absorption studies. The acute toxicity of GF-3206 has been investigated in a package of acute studies. All studies complied with EC test guidelines and were conducted in accordance with Good Laboratory Practice (GLP) regulations. No unacceptable risk for operators, workers, residents and bystanders was identified when the product is used as intended. No specific PPE was determined to be necessary.

Product information and toxicological reference values used for exposure assessment

F7B-39-30	
Formulation type	EC
Category	Herbicide
Active substance(s) (incl. content)	Florpyrauxifen-benzyl 25 g/L
AOEL systemic	0.13 mg/kg bw/d
Inhalation absorption	100%
Oral absorption	100%
Dermal absorption	Concentrate: 0.45% Dilution: 11% (Based on formulation GF-3206, study 151074)

F7B-39-30 is not classified on the basis of acute toxicity and Florpyrauxifen-benzyl has no acute reference dose (ARfD).

3.5.1 Acute toxicity

F7B-39-30 exhibited very low acute toxicity via oral and dermal routes with an LD₅₀ of >5000 mg/kg. F7B-39-30 exhibited a very low acute toxicity via inhalation with an LC₅₀ > 5.4 mg/L. F7B-39-30 is not a skin or eye irritant. F7B-39-30 did not show any potential for skin sensitization.

Type of test, species, model system (Guideline)	Species/strain (sex)	Results/Endpoint	Classification (acc. to the criteria in Reg. 1272/2008)	Acceptability	Reference
				Yes / No / Supplementary	
Oral / Gavage (OECD 423, EC B.1)	Rat / Wistar	LD50 >5000 mg/kg body weight	Not Classified	Yes	██████ 2014
Dermal / Topical (OECD 402, EC B.3)	Rat / Wistar	LD50 >5000 mg/kg body weight	Not Classified	Yes	██████ 2014
Inhalation / Nose only (OECD 403, EC B.2)	Rat / Wistar	LC50 > 5.40 mg/L air	Not Classified	Yes	131236, Dalal, V., 2014
Dermal / Topical (OECD 404, EC B.4)	Rabbit / NZW	Not classified as a skin irritant	Not Classified	Yes	██████ 2014

Type of test, species, model system (Guideline)	Species/strain (sex)	Results/Endpoint	Classification (acc. to the criteria in Reg. 1272/2008)	Acceptability	Reference
				Yes / No / Supplementary	
Eye / Instillation (OECD 405, EC B.5)	Rabbit / NZW	Not classified as an eye irritant	Not Classified	Yes	2014
Dermal Sensitization (OECD 406, EC B.6)	Guinea pig / Hartley	Not classified as Skin Sensitizer	Not Classified	Yes	2014
Supplementary studies for combinations of plant protection products	No data – not required				

3.5.2 Operator exposure

Exposures resulting from the proposed uses of F7B-39-30 (trademark: Rinpode) have been evaluated using the 2022 EFSA model. Predicted exposures based on the highest proposed application rate and assuming no gloves are worn for application, mixing and loading, were 0.2% of the AOEL for Florpyrauxifen-benzyl for tractor mounted applications.

3.5.3 Worker exposure

No unacceptable risk for workers from the supported uses of F7B-39-30 (trademark: Rinpode) was identified based on exposure estimates from the 2022 EFSA model. The predicted worker exposure to Florpyrauxifen-benzyl was 0.1% of the respective AOEL, based on normal work wear and no additional PPE.

F7B-39-30 (trademark: Rinpode) will be applied to sugar beet up to a maximum growth stage BBCH 10-19, when the plants are very small. However, a conservative assessment of re-entry worker exposure has been undertaken according to the EFSA model. Due to the proposed timing of application, any expected re-entry into the treated crop will be for the purpose of crop inspection/irrigation only.

3.5.4 Bystander and resident exposure

No bystander risk assessment is required for PPPs that do not have significant acute toxicity or the potential to exert toxic effects after a single exposure. Exposure in this case will be determined by average exposure over a longer duration, and higher exposures on one day will tend to be offset by lower exposures on other days. Therefore, exposure assessment for residents also covers bystander exposure.

The recommended uses of F7B-39-30 (trademark: Rinpode) may potentially result in the incidental exposure of bystanders and residential, but the extent of exposure effectively represents no adverse risk. The highest predicted exposure for both incidental and residential bystanders was 0.8% of the AOEL, for tractor-mounted spray boom application (EFSA 2022 Model).

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3.6 Residues and consumer exposure (Part B, Section 7)

3.6.1 Residues

Florpyrauxifen-benzyl

Table 3.6-1: Summary of the nature of residues in commodities of plant origin

Endpoints	
Plant groups covered	Cereals/grass (rice) Cereals (wheat), oilseed (oilseed rape), fruit (apple, soil applied)
Rotational crops covered	Leafy vegetables (lettuce/mustard) Root and tuber vegetables (radish) Cereal (wheat)
Metabolism in rotational crops similar to metabolism in primary crops?	Yes Residue definition the same as for primary crops. No significant residues expected in rotational crops.
Processed commodities	Florpyrauxifen-benzyl is not stable under pasteurisation, baking/brewing/boiling condition; it degraded to X11438848 (47% applied radioactivity [AR]) and benzyl alcohol (X195023) 53.5% AR) under sterilisation conditions. Florpyrauxifen (X11438848) is stable to all hydrolysis conditions.
Residue pattern in processed commodities similar to pattern in raw commodities?	Yes
Plant residue definition for monitoring	Florpyrauxifen-benzyl (EFSA 2018) to be extended to all crops. Reg. (EU) 2019/1791
Plant residue definition for risk assessment	Florpyrauxifen-benzyl, florpyrauxifen (X11438848) and X11966341, expressed as parent (EFSA 2018) (provisional)
Conversion factor from enforcement to RA	Conversion factors cannot be proposed since the residues were below LOQ (EFSA 2018)

Table 3.6-2: Summary on the nature of residues in commodities of animal origin

Endpoints	
Animals covered	Lactating goats
	Laying hens
Time needed to reach a plateau concentration	2-3 days in milk, residues <0.001 mg eq/kg
	8-12 days in eggs, residues <0.001 mg eq/kg
Animal residue definition for monitoring	Florpyrauxifen-benzyl (EFSA 2018) Reg. (EU) 2019/1791

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Animal residue definition for risk assessment	Proposed as florpyrauxifen-benzyl, florpyrauxifen (X11438848) and X11966341, expressed as florpyrauxifen-benzyl. (EFSA 2018)
Conversion factor	- (EFSA 2018)
Metabolism in rat and ruminant similar	Yes A pig metabolism study is not required.
Fat soluble residue	Yes

Conclusion on the magnitude of residues in plants

According to the available data, the intended use on sugar beet is considered acceptable, for outdoor uses.

Although all trials submitted were conducted with the last application at growth stage beyond (BBCH 38) the latest growth stage indicated in the representative GAP (BBCH 19), they are considered applicable since the level of residue in root was below LOQ and the level of residues in tops with leaves does not impact the livestock dietary burden. The residues were covered by the storage stability and validated analytical method.

The data submitted show that no exceedance of the MRL (Reg. (EU) 2019/1791) will occur.

Conclusion on feeding studies

The theoretical mean and maximum dietary burdens for livestock animals were calculated for the requested and existing uses. As shown in the table 7.2-11, the highest expected intakes are up to 4.60 mg/kg DM and therefore below the 5x dose level (12.5 mg/kg-feeding level) tested in the feeding study where some residues were found for liver and kidney. Thus, no MRLs in animal tissues are proposed.

Conclusion on processing studies

Processing studies are not applicable.

Conclusion on rotational crops studies

Based on EFSA, 2018, RMS considers the transfer of XDE-848 BE residues into rotational crops as not relevant in the frame of this evaluation.

3.6.2 Consumer exposure

The input values in the following table were used to estimate consumer risk using the EFSA PRIMo Rev 3.1. All assessments follow the Tier I approach and are based on published EU MRL values for all commodities (Reg. (EU) 2019/1791). Except cereals (including rice) and sugar beet, once the values were based on residue for risk assessment following the provisional residue definition (higher values than the current EU MRL). The dietary models assume that all crops with MRLs included in the diet have been treated with florpyrauxifen-benzyl ester and there is no dissipation of residues.

TMDI (% ADI) according to EFSA PRIMo	0.3 % (based on NL toddler)
IESTI (% ARfD) according to EFSA PRIMo	No acute reference dose was set therefore IESTI is not required.

The proposed uses of florpyrauxifen-benzyl for the formulation F7B-39-30 do not represent unacceptable

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chronic risks for the consumer.

3.7 Environmental fate and behaviour (Part B, Section 8)

Fate and behaviour studies on the formulated product are not required, as the fate and behaviour can be described by the information on the active substance component of the formulation. The fate and behaviour of the active substance florpyrauxifen-benzyl in F7B-39-30 is summarized in Part B8 of the current submission. For more details refer to “*Peer review of the pesticide risk assessment of the active substance florpyrauxifen (variant assessed florpyrauxifen-benzyl)*” published on EFSA Journal on 29 June 2018 and to the DAR.

3.7.1 Predicted environmental concentrations in soil (PEC_{soil})

PEC_{soil} values were calculated for florpyrauxifen-benzyl and major (>5% AR) soil metabolites: X11438848, X11966341 and X12300837. PEC_{soil} values were also calculated for the formulation F7B-39-30.

The assessment was performed for 0.08 L (single application), 0.04 L (twofold application), 0.026 L (threefold application) and 0.02 L (fourfold application) product on sugar beet, applying 20% interception (BBCH 10).

The PECs in soil are reliable to be used for the ecotoxicological risk assessment.

3.7.2 Predicted environmental concentrations in groundwater (PEC_{gw})

PEC_{gw} values were calculated for florpyrauxifen benzyl and major (>5% AR) soil metabolites X11438848, X11966341, and X1248137.

PEC_{gw} modeling was performed in the core assessment with FOCUS-PEARL 5.5.5, FOCUS-PELMO 6.6.4 and FOCUS MACRO 5.5.4 at rates of 0.08 L (single application), 0.04 L (twofold application), 0.026 L (threefold application) and 0.02 L (fourfold application) product for sugar beet. Calculations are provided for all FOCUS scenarios relevant for sugar beet.

With regard to florpyrauxifen benzyl, the results produced by FOCUSPEARL are most conservative. For all cases, the PEC_{gw} values for the parent, X11438848 and X11966341 were calculated as <0.001 µg/L. For X1248137, the PEC_{gw} values were below the 0.75 µg/L trigger for all scenarios. Sufficient toxicological information is available to show that metabolite X1248137 can be considered as non-relevant.

No concern is indicated from preferential flow.

3.7.3 Predicted environmental concentrations in surface water (PEC_{sw})

PEC_{sw/sed} values were calculated for florpyrauxifen benzyl and its major (>5% AR) soil metabolite X1248137, aquatic metabolites X11438848, X11966341, X12300837 and X194973 and aqueous photolysis metabolites X12131932, X12393505, and X195023.

FOCUS Step1-2 calculations were performed with model STEPS 1-2 v3.2 for florpyrauxifen benzyl and all metabolites listed above. In addition, FOCUS Step 3 calculations were performed for florpyrauxifen benzyl and X11438848. The models of the SWASH shell FOCUS SWASH v5.3 including FOCUS SPIN v2.2, FOCUS PRZM v3.3.1, FOCUS MACRO v5.5.4, and FOCUS TOXSWA v4.4.3 were applied for the calculations. All FOCUS scenarios applicable to sugar beet were executed (D3, D4, R1 and R3). FOCUS scenarios D5 and R4 were executed in addition with legumes as surrogate crop as the two scenarios are also relevant for the Central zone.

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Florpyrauxifen-benzyl is classified as semi-volatile under the German EVA volatilisation scheme, with the possibility of volatilizing from foliage. However, the redeposition was estimated to be <0.001 g a.s./ha. This would result in a potential increase in the calculated PEC_{sw} on the order of 10⁻³ ug/L (and decreasing with distance off-field). Such small difference will have no impact on the risk assessment, so additional calculations of volatilization/redeposition were not performed. The metabolite X12300837 is assumed to have the same vapour pressure as the parent, but as a soil-only metabolite it will not be present on foliage and thus requires no additional evaluation.

PEC_{sw} values were calculated for the formulation: F7B-39-30.

The results are used for the ecotoxicological evaluation of aquatic organisms.

3.7.4 Predicted environmental concentrations in air (PEC_{air})

The vapour pressure at 20 °C of the active substance florpyrauxifen-benzyl is 3.2 x 10⁻⁵ Pa. Hence the active substance florpyrauxifen-benzyl is regarded as non-volatile from soil surfaces. The impact to the risk assessment can be considered not relevant as deposition was estimated to be <0.001 g a.s./ha.

3.8 Ecotoxicology (Part B, Section 9)

Toxicity studies on terrestrial vertebrates, aquatic organisms, bees, arthropods other than bees, soil organisms and terrestrial plants have been carried out with florpyrauxifen-benzyl and the formulation GF-3206 which has identical composition with F7B-39-30, except for adding Sensipro Blue Pond in the formulation. As the blue dye is only at 0.0005% w/w the formulations are considered equivalent, therefore results for GF-3206 can be used for F7B-39-30. Since GF-3206 is the representative formulation for the EU approval of florpyrauxifen-benzyl, full details of these studies are provided in the respective EU DAR and related documents. The selection of studies and endpoints for the risk assessment is in line with the results of the EU review process.

Acceptable acute and long-term risks have been demonstrated for aquatic organisms following applications of F7B-39-30 in sugar and fodder beet. To prevent undesired effects, it is recommended to use the following mitigations measures:

Use in sugar and fodder beet (1 x 2 g/ha):

- 90% drift reducing nozzles or
- 5 m buffer zone and 50% drift reducing nozzles or
- 10 m buffer zone

Use in sugar and fodder beet (2 x 1 g/ha):

- 75% drift reducing nozzles or
- 5 m buffer zone

Use in sugar and fodder beet (3x 0.66 g/ha):

- 50% drift reducing nozzles or
- 5 m buffer zone

Use in sugar and fodder beet (4x 0.5 g/ha):

- 50% drift reducing nozzles or
- 5 m buffer zone

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For terrestrial non target plants, terrestrial vertebrates, bees, arthropods other than bees, soil organisms risk is acceptable without the need for any mitigation measures.

As with any application of pesticides not intended for direct application to water, direct overspray of water bodies and non-target application areas with F7B-39-30 should be strictly avoided.

3.8.1 Effects on terrestrial vertebrates

Regulatory testing with birds has been conducted with florpyrauxifen-benzyl in accordance with EU requirements. Results from these studies, summarised in the EU DAR and related documents, show that this active substance has low toxicity to birds. The lowest relevant acute LD₅₀ and chronic NOEL end-points are >2250 mg/kg bw and 87.2 mg/kg bw/d, respectively. GF-3206 also resulted in a low acute oral toxicity to bobwhite quail with an LD₅₀>2500 mg/kg bw (i.e. >67.5 mg a.s./kg bw).

In addition acute and chronic testing with mammals is available for florpyrauxifen-benzyl and is also indicative of a low toxicity to vertebrates. The acute LD₅₀ is >5000 mg/kg and the chronic NOEL is 300 mg/kg bw/d for florpyrauxifen-benzyl. The acute LD₅₀ for GF-3206 is >5000 mg/kg bw.

An acceptable acute and long-term risk to birds and mammals is expected from the proposed uses of F7B-39-30.

3.8.2 Effects on aquatic species

The acute toxicity of GF-3206 has been measured in common carp (96-h LC₅₀>120 mg/L, i.e. >3.240 mg a.s./L), in daphnids (EC₅₀>49 mg/L, i.e. >1.323 mg a.s./L), *Pseudokirchneriella subcapitata* (96-hour E_rC₅₀>4.2 mg/L, i.e. >0.113 mg a.s./L), in *Lemna gibba* (7-d E_rC₅₀ = 83 mg/L, i.e. 2.241 mg a.s./L) and in *Myriophyllum spicatum* (14-d E_rC₅₀ = 0.000919 mg/L, i.e. 0.0000248 mg a.s./L). The toxicity of the formulation GF-3206 is in line with the toxicity profile of its active substance.

Chronic toxicity tests with the formulated product were considered to be unnecessary since there is no evidence from the acute data to suggest that the chronic toxicity of the formulated product cannot be assessed on the basis of the active substance's content alone. Additionally, since, following the dilution and spraying of the formulated product, much of the formulation constituents are likely to be lost by volatilisation, shortly after application of a formulated product, aquatic organisms are mainly exposed to the active substance present in it. The chronic risk to fish and invertebrates has been evaluated based on the chronic toxicity of florpyrauxifen-benzyl to these organisms. The chronic NOEC for fathead minnow established in an early-life stage study is 0.0370 mg/L, the limit of functional solubility achieved in the study. The lowest chronic NOEC (i.e. 0.0078 mg/L) for aquatic invertebrates was observed for the mysid shrimp.

The metabolites of florpyrauxifen-benzyl that could be present in surface waters (i.e. X11438848, X12131932, X12393505, X11966341, X12483137, X12300837, X195023 and X194973) are also of low toxicity to aquatic animals and algae with acute and chronic endpoints generally above, or at, the highest concentration tested, the only exception being for green algae exposed to X11438848 which resulted in an E_rC₅₀ of 57 mg/L. *Myriophyllum spicatum* is significantly less susceptible to the metabolites of florpyrauxifen-benzyl, with the exception of X11438848. The lowest E_rC₅₀ for aquatic plants exposed to X11438848 was 0.00035 mg/L.

Acceptable acute and long-term risks have been demonstrated for aquatic organisms following applications of F7B-39-30 in beets. To prevent undesired effects, it is recommended to use the following mitigations measures:

Use in sugar and fodder beet (1 x 2 g/ha):

- 90% drift reducing nozzles or
- 5 m buffer zone and 50% drift reducing nozzles or
- 10 m buffer zone

Use in sugar and fodder beet (2 x 1 g/ha):

- 75% drift reducing nozzles or
- 5 m buffer zone

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Use in sugar and fodder beet (3x 0.66 g/ha):

- 50% drift reducing nozzles or
- 5 m buffer zone

Use in sugar and fodder beet (4x 0.5 g/ha):

- 50% drift reducing nozzles or
- 5 m buffer zone

3.8.3 Effects on bees

Florpyrauxifen-benzyl and GF-3206 have low toxicity to bees with oral and contact LD₅₀ values of >105.4 and >100.0 µg/bee for the active substance and >212.2 and >200 µg/bee for the formulated product. New study assessing the acute contact and oral toxicity of GF-3206 to bumblebees was recently completed. A low acute oral and contact toxicity for bumblebees with florpyrauxifen-benzyl was established with LD₅₀ values of >110.1 and >100.0 µg/bee, respectively. The 10-d LDD₅₀ to adult honeybees and the 22-d NOEL for honeybee larvae were determined to be 6.43 µg a.s./bee/d and 4.82 µg a.s./bee/developmental period, respectively. These latter oral studies were performed using the formulation GF-3206, due to the low solubility of florpyrauxifen-benzyl in the test diets.

An acceptable risk to bees is expected from the proposed uses of F7B-39-30 in beets, without the need of any risk mitigation.

3.8.4 Effects on other arthropod species other than bees

The LR₅₀ values determined for GF-3206 under worst-case laboratory conditions to the sensitive indicator species *Typhlodromus pyri* and *Aphidius rhopalosiphi* are 972 and 1347 mL/ha, respectively. Tests under more realistic extended laboratory conditions demonstrated a significantly lower toxicity to the predatory mite and to the green lacewing, with LR₅₀ values of >6000 and >2200 mL GF-3206/ha, respectively.

An acceptable risk to non-target arthropods is expected from the proposed uses of F7B-39-30 in beets, without the need of any risk mitigation.

3.8.5 Effects on soil organisms

Florpyrauxifen-benzyl and GF-3206 have low toxicity to earthworms (NOEC and/or EC₁₀ values of 135 and 300 mg/kg soil, respectively). A similar low toxicity of GF-3206 has been established for Collembola and soil mites, with NOEC values for both species of 300 mg/kg soil. Florpyrauxifen-benzyl and GF-3206 are of low toxicity to soil micro-organisms as well, with no deviation >25% to the control observed in the nitrogen mineralization study at the highest test concentrations of 17 (i.e. 2.0) mg/kg dry soil.

The metabolites of florpyrauxifen-benzyl that could be present in soil (i.e. X11438848, X11966341, X12483137 and X12300837) are also of low toxicity to soil organisms with endpoints generally at the highest concentration tested.

An acceptable risk to earthworms and soil macro-organisms is expected from the proposed uses of F7B-39-30 in beets, without the need of any risk mitigation. Similarly, an acceptable risk to soil micro-organisms is expected from the proposed uses of F7B-39-30, without the need of any risk mitigation.

3.8.6 Effects on non-target terrestrial plants

A vegetative vigour and a seedling emergence and growth studies were conducted for GF-3206, testing ten terrestrial plant species in each study. The most sensitive species in the vegetative vigour and seedling emergence studies was carrot (*Daucus carota*) with 21-d EC₅₀ values of 0.27 and 2.3 g a.s./ha, respectively.

Equivalent studies were conducted assessing the toxicity of the metabolite X11438848 to terrestrial plants.

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The most sensitive species in a pre-emergence application of X11438848 was found to be carrot with the lowest ER₅₀ of 1.4 g/ha. In the post-emergence study carrot and soybean were found to be equally sensitive to X11438848 with the lowest ER₅₀ value of 1.2 g/ha.

As indicated in the EFSA Conclusions (EFSA Journal 2018; 16(7):5378), a specific assessment of the risk posed by the metabolites X12300837, X11966341, X12131932, X12393505 and X12483137 to non-target plants is not necessary in light of the lower toxicity of these metabolites compared to the active substance.

An acceptable risk to terrestrial non-target plants can be anticipated following uses of F7B-39-30 in beets without the need for any risk mitigation.

3.8.7 Effects on other terrestrial organisms (Flora and Fauna)

No effects on other terrestrial organisms are anticipated if the previously proposed risk mitigations are implemented during applications of F7B-39-30.

3.8.8 Effects on other terrestrial organisms (Flora and Fauna)

No effects on other terrestrial organisms are anticipated if the previously proposed risk mitigations are implemented during applications of F7B-39-30.

3.9 Relevance of metabolites (Part B, Section 10)

The relevance of the groundwater metabolite X12483137 was assessed and presented in B10. X12483137 metabolite is not considered relevant according to the criteria laid down in the EC guidance document SANCO/221/2000 –rev.11.

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4 Conclusion of the national comparative assessment (Art. 50 of Regulation (EC) No 1107/2009)

The active substance Florpyrauxifen-benzyl is not candidate for substitution therefore the national comparative assessment is not required.

5 Further information to permit a decision to be made or to support a review of the conditions and restrictions associated with the authorization

Latest List of End Points of 2018/10/05.



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Document

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Appendix 1 Copy of the product authorization

This dossier is meant to be for the first country approval.

MS assessor to insert details of the product authorization for MS country.

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Appendix 2 Copy of the product label

Posiadacz zezwolenia:

Corteva Agriscience Poland Sp. z o.o., ul. Józefa Piusa Dziekońskiego 1, 00-728 Warszawa, tel: +48 22 548 73 00, e-mail: biuro@corteva.com, www.corteva.pl

RINPODE

Środek przeznaczony do stosowania przez użytkowników profesjonalnych

Zawartość substancji czynnych:

florpyrauxifen -benzyl – Rinskor® Active (substancja z grupy związków arylopikolinowych) 25 g/l

Zezwolenie MRiRW nr



UWAGA

H410 – Działa bardzo toksycznie na organizmy wodne, powodując długotrwałe skutki.

P391 Zebrać wyciek

EUH 401 – W celu uniknięcia zagrożeń dla zdrowia ludzi i środowiska, należy postępować zgodnie z instrukcją użycia.

EUH208 Zawiera florpyrauksyfen- benzyl. Może powodować reakcję alergiczną.

OPIS DZIAŁANIA

RINPODE to herbicyd selektywny o działaniu układowym, stosowany nalistnie w postaci koncentratu do sporządzania emulsji wodnej (EC). Zgodnie z klasyfikacją HRAC substancja czynna florpyrauksyfen-benzyl zaliczana jest do grupy 4 (dawniej grupa O).

DZIAŁANIE NA CHWASTY

RINPODE jest selektywnym herbicydem o działaniu układowym. Środek pobierany jest poprzez liście i liście chwastów, a następnie szybko przemieszcza się w roślinie. Pierwszym objawem działania herbicydu jest zahamowanie wzrostu, następnie chwasty ulegają deformacji, które prowadzą do nekroz i zamierania. Objawy wizualne zależą od gatunków chwastów i mogą pojawić się od kilku dni do kilku tygodni po zabiegu. Środek najskuteczniej niszczy chwasty wrażliwe na produkt znajdujące się w fazie siewek do fazy 2-4 liścia właściwego.

Chwasty wrażliwe: Dawka 0.08 l/ha (2.0 g s.a. / ha) x 1

Chwasty wrażliwe	-
Chwasty średnio wrażliwe	zaślaz pospolity, przytulia czepna
Chwasty średnio odporne	

Chwasty odporne	-
-----------------	---

Dawka 0.04 l/ha (1.0 g s.a /ha) x 2

Chwasty wrażliwe	zaślaz pospolity, przytulia czepna,
Chwasty średnio wrażliwe	komosa biała,

Dawka 0.0268 l/ha (0.66 g s.a. /ha) x 3

Chwasty wrażliwe	zaślaz pospolity, przytulia czepna,
Chwasty średnio wrażliwe	komosa biała,
Chwasty średnio odporne	-

Dawka 0.02 l/ha (0.5 g s.a. /ha) x 4

Chwasty wrażliwe	zaślaz pospolity, przytulia czepna,
Chwasty średnio wrażliwe	komosa biała,

5.1.1 STOSOWANIE ŚRODKA

burak cukrowy, burak pastewny

Maksymalna dawka dla jednorazowego zastosowania: 0.08 l/ha (80 ml/ha)

Zalecana dawka dla jednorazowego zastosowania: 0.02-0.08 l/ha (20-80 ml/ha)

Maksymalna dawka do zastosowania w sezonie wegetacyjnym, niezależnie od ilości zabiegów i dawek w tych zabiegach nie może przekraczać sumarycznie 0.08 l/ha (80 ml/ha)

Termin stosowania: środek stosować po wschodach buraków od fazy liścieni do 9. liścia właściwego buraka (BBCH 10-19).

Środek najlepiej stosować w dawkach dzielonych, gdy chwasty znajdują się w fazie liścieni.

Najlepszy efekt zwalczania chwastów wrażliwych uzyskuje się stosując dawki dzielone herbicydu w 2-4 aplikacjach.

Rinpode jest herbicydem posiadającym wyłącznie działanie nalistne. Zwalcza chwasty, które powschodziły do momentu wykonania zabiegu.

Przy samodzielnym stosowaniu Rinpode nie zaleca się stosować mieszaniny z adiuwantem.

Zalecana ilość wody: 100-300 l/ha

Zalecane opryskiwanie: średniokropliste.

Maksymalna liczba zabiegów w sezonie wegetacyjnym: 4

Odstęp między zabiegami: 7-9 dni.

Okres odporności produktu na deszcz wynosi 1 godzinę

ŚRODKI OSTROŻNOŚCI, OKRESY KARENCJI I SZCZEGÓLNE WARUNKI STOSOWANIA

Okres od ostatniego zastosowania środka do dnia zbioru rośliny uprawnej (okres karencji): burak cukrowy, burak pastewny -nie dotyczy

1. Środek może powodować chlorozy, deformacje, zahamowanie wzrostu rośliny bez wpływu na plon korzeni i zawartość cukru.

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2. W celu uzyskania informacji dotyczących wpływu na materiał siewny buraka cukrowego należy skonsultować się z posiadaczem pozwolenia.

PRZECIWWSKAZANIA

1. Środka nie stosować:

- w uprawie materiałów hodowlanych,
- na rośliny buraka znajdujące się w fazie powyżej 9 liści,
- bezpośrednio po okresie długotrwałych chłodów, na rośliny, których wzrost został zahamowany na skutek niskiej temperatury; zabieg można wykonać po wznowieniu intensywnego wzrostu przez rośliny buraka,
- w temperaturze powietrza powyżej 25°C,
- podczas wysokiej amplitudy dobowej > 12°C,
- na rośliny osłabione i uszkodzone przez przymrozek, suszę, zalanie wodą, choroby lub szkodniki,
- przed spodziewanymi opadami, przymrozkami lub bezpośrednio po nich,
- na mokre rośliny (rosa, deszcz),

2. Podczas stosowania środka nie dopuścić do:

- znoszenia cieczy użytkowej na sąsiednie plantacje roślin uprawnych,
- nakładania się cieczy użytkowej na stykach pasów zabiegowych i uwrociach.

5.1.2 NASTĘPSTWO ROŚLIN

W przypadku konieczności wcześniejszej likwidacji plantacji jako roślinę następczą można uprawiać buraki cukrowe, buraki pastewne, ziemniaki, kukurydzę i słonecznik, ale siew nie może być wcześniej niż po upływie 3 tygodni od daty zabiegu środkiem Rinpode.

Po zbiorach buraków odchwaszczonych środkiem Rinpode, w warunkach normalnego przebiegu wegetacji, można uprawiać: wszystkie zboża ozime w tym samym roku kalendarzowym oraz wiosną: zboża jare, kukurydzę, rzepak jary, ziemniaki, buraki cukrowe, buraki pastewne, słonecznik, życice, rośliny bobowate, lucernę siewną.

ZARZĄDZANIE ODPORNOŚCIĄ

Aby zminimalizować to ryzyko należy zgodnie z Dobrą Praktyką Rolniczą:

- przestrzegać zaleceń umieszczonych na etykiecie środka, zwłaszcza dotyczących zalecanych dawek, liczby zabiegów w sezonie wegetacyjnym oraz terminów stosowania środka zapewniających optymalne zwalczanie chwastów,
- stosować rotację herbicydów (substancji czynnych) o różnym mechanizmie działania,
- stosować w rotacji herbicydy działające na kilka procesów życiowych,
- dostosować zabiegi uprawowe do warunków panujących na polu, zwłaszcza do rodzaju i nasilenia chwastów,
- stosować dawkę, która zapewni skuteczną i dobrą kontrolę wszystkich zwalczanych gatunków chwastów,
- używać różnych metod kontroli zachwaszczenia, w tym zmianowania upraw itp.,
- używać kwalifikowanego materiału siewnego,
- czyścić maszyny rolnicze, aby zapobiec przenoszeniu materiału rozmnożeniowego chwastów na inne stanowiska,
- informować posiadacza zezwolenia o niesatysfakcjonującym zwalczaniu chwastów,
- w celu uzyskania szczegółowych informacji należy się skontaktować z doradcą, posiadaczem zezwolenia lub przedstawicielem posiadacza zezwolenia.

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POSTĘPOWANIE Z RESZTKAMI CIECZY UŻYTKOWEJ I MYCIE APARATURY

Resztki cieczy użytkowej oraz wodę użytą do mycia aparatury należy:

- jeżeli jest to możliwe, po uprzednim rozcieńczeniu zużyć na powierzchni, na której przeprowadzono zabieg, lub
- unieszkodliwić z wykorzystaniem rozwiązań technicznych zapewniających biologiczną degradację substancji czynnych środków ochrony roślin, lub
- unieszkodliwić w inny sposób, zgodny z przepisami o odpadach.

Po zakończeniu pracy należy niezwłocznie wymyć wodą zbiornik oraz wszystkie części składowe opryskiwacza, zgodnie z fabryczną instrukcją obsługi. Do mycia opryskiwacza należy używać odpowiednich środków myjących.

ŚRODKI OSTROŻNOŚCI DLA OSÓB STOSUJĄCYCH ŚRODEK, PRACOWNIKÓW ORAZ OSÓB POSTRONNYCH

Przed zastosowaniem środka należy poinformować o tym fakcie wszystkie zainteresowane strony, które mogą być narażone na znoszenie cieczy użytkowej i które zwróciły się o taką informację.

Nie jeść, nie pić ani nie palić podczas używania produktu.

Stosować rękawice ochronne oraz odzież roboczą (kombinezon) w trakcie przygotowywania cieczy użytkowej oraz w trakcie wykonywania zabiegu.

Okres od zastosowania środka do dnia, w którym na obszar, na którym zastosowano środek mogą wejść ludzie oraz zostać wprowadzone zwierzęta (okres prewencji):

nie wchodzić do czasu całkowitego wyschnięcia cieczy użytkowej na powierzchni roślin.

Środki ostrożności związane z ochroną środowiska naturalnego:

W celu ochrony organizmów wodnych należy stosować następujące metody ograniczenia ryzyka.

Przy stosowaniu produktu w dawce jednorazowej (2,0g/ha) konieczne jest wyznaczenie strefy ochronnej od zbiorników i cieków wodnych o szerokości 1 m, przy zastosowaniu dysz redukujących znoszenie cieczy roboczej o 90 % lub 5 m przy zastosowaniu dysz redukujących znoszenie cieczy roboczej o 50 % lub 10 m przy zastosowaniu tradycyjnych dysz.

Przy zastosowaniu produktu w dawkach dzielonych: (2 x 1,0 g/ha) konieczne jest wyznaczenie strefy ochronnej od zbiorników i cieków wodnych o szerokości **1m przy** przy zastosowaniu dysz redukujących znoszenie cieczy roboczej **o 75%, lub 5m** przy zastosowaniu tradycyjnych dysz.

Przy zastosowaniu produktu w dawkach dzielonych (3 x 0,66 g/ha): konieczne jest wyznaczenie strefy ochronnej od zbiorników i cieków wodnych o szerokości **1m przy** przy zastosowaniu dysz redukujących znoszenie cieczy roboczej o **50%, lub 5m** przy zastosowaniu tradycyjnych dysz.

Przy zastosowaniu produktu w dawkach dzielonych (4 x 0,5 g/ha): konieczne jest wyznaczenie strefy ochronnej od zbiorników i cieków wodnych o szerokości **1m przy** przy zastosowaniu dysz redukujących znoszenie cieczy roboczej o **50%, lub 5m** przy zastosowaniu tradycyjnych dysz.

W celu ochrony roślin oraz stawonogów niebędących celem działania środka konieczne jest wyznaczenie od terenów nieużytkowanych rolniczo strefy ochronnej o szerokości: 1m

Nie zanieczyszczać wód środkiem ochrony roślin lub jego opakowaniem. Nie myć aparatury w pobliżu wód powierzchniowych. Unikać zanieczyszczania wód poprzez rowy odwadniające z gospodarstw i dróg.

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WARUNKI PRZECHOWYWANIA I BEZPIECZNEGO USUWANIA ŚRODKA OCHRONY ROŚLIN I OPAKOWANIA

Chronić przed dziećmi.

Środek ochrony roślin przechowywać:

- w oryginalnych opakowaniach,
- w sposób uniemożliwiający kontakt z żywnością, napojami lub paszą, skażenie środowiska oraz dostęp osób trzecich,
- w temperaturze 0 °C - 30°C.

Zabrania się wykorzystywania opróżnionych opakowań po środkach ochrony roślin do innych celów. Niewykorzystany środek przekazać do podmiotu uprawnionego do odbierania odpadów niebezpiecznych.

Opróżnione opakowania po środku zwrócić do sprzedawcy środków ochrony roślin będących środkami niebezpiecznymi.

SPORZĄDZANIE CIECZY UŻYTKOWEJ

Wstrząsnąć zawartością opakowania przed otwarciem. Ciecz użytkową przygotować bezpośrednio przed zastosowaniem.

Przed przystąpieniem do sporządzania cieczy użytkowej dokładnie ustalić potrzebną jej objętość wraz z ilością środka. Napełnij zbiornik ½ ustalonej objętości cieczy roboczej i rozpocznij proces mieszania. Wlej wymaganą ilość produktu. Stosując mieszanki zbiornikowe każdy produkt należy dodać oddzielnie do zbiornika opryskiwacza, zwracając należytą uwagę na kolejność mieszania zgodnie z formulacją tych produktów.

Opróżnione opakowania przepłukać trzykrotnie wodą, a popłuczyny wlać do zbiornika opryskiwacza z cieczą użytkową. Dodać pozostałą część wody i kontynuować mieszanie, aż do zakończenia opryskiwania. W przypadku przerw w opryskiwaniu, danego dnia przed ponownym przystąpieniem do pracy, dokładnie wymieszać ciecz użytkową w zbiorniku opryskiwacza.

Wysokość belki opryskiwacza musi być odpowiednio dobrana, aby zapewnić dokładne pokrycie roślin.

Roztwór w zbiorniku opryskiwacza musi być użyty w dniu przygotowania i nie może być zostawiony na noc.

PIERWSZA POMOC

Antidotum: brak, stosować leczenie objawowe.

W razie konieczności zasięgnięcia porady lekarza, należy pokazać opakowanie lub etykietę.

Okres ważności - 2 lata

Data produkcji

Zawartość netto

Nr partii

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Appendix 3 Letter of Access

No Letter of Access is needed.

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Appendix 4 Lists of data considered for national authorization

Tables considered not relevant can be deleted as appropriate.

MS to blacken authors of vertebrate studies in the version made available to third parties/public.

List of data submitted by the applicant and relied on

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
CP 2.1/1 CP 2.4/1 CP 2.5/1 CP 2.5/2 CP 2.6/1	Clapperton, R.	2023	Physical and Chemical Properties of F7B-39-30 including appearance, pH, viscosity, surface tension and relative density CORTEVA Report No.230062 Corteva Agriscience LLC 9330 Zionsville Road Indianapolis, Indiana 46268 GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 2.2/1 CP 2.2/2 CP 2/3/1	Michnik, I	2023	Oxidising Properties, Explosive Properties, and Flammability Testing on F7B-39-30 CTV Report No.230063 Corteva Agriscience LLC 9330 Zionsville Road Indianapolis, Indiana 46268 GLP/GEP (Y/N): Yes Published (Y/N): No Final report will be available in May 2023	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 2.7/1 CP 2.8.2/1 CP 2.8.6/1	Bergner, D.	2023 2024	F7B-39-30 Two Weeks 54°C Accelerated Storage Stability in PET Packaging and One Week 0°C in Glass CORTEVA Report No.230094	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of

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Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Corteva Agriscience LLC 9330 Zionsville Road Indianapolis, Indiana 46268 GLP/GEP (Y/N): Yes Published (Y/N): No <i>Final report will be available in May 2023</i> AMENDED VERSION due to an administrative error in the report archiving by the Study Director. The original report date 18 May 2023 has been replaced by 19 June 2024. The results and conclusions of this study are unaffected by this administrative error.				Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 2.7/4 CP 2.8.2/2 CP 2.8.6/2	Bergner, D.	2023 2024	F7B-39-30 Eight Weeks 40°C Accelerated Storage Stability in PET Packaging CORTEVA Report No.230093 Corteva Agriscience LLC 9330 Zionsville Road Indianapolis, Indiana 46268 GLP/GEP (Y/N): Yes Published (Y/N): No <i>Final report will be available in May 2023</i> AMENDED VERSION due to an administrative error in the report archiving by the Study Director. The original report date 18 May 2023 has been replaced by 19 June 2024. The results and conclusions of this study are unaffected by this administrative error.	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Michaela Kolářová	2021	Efficacy (solo applications) of GF-3206 against BLW in sugarbeet compared to reference products across EU 2021. EA21F7B039H-TQS026 CESKA ZEMEDELSKA UNIVERZITA V PRAZE, CZ GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Michaela Kolářová	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet (BEAVA) in Europe	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage

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			CZ22F7B022-JMB21C CESKA ZEMEDELSKA UNIVERZITA V PRAZE, CZ GEP Unpublished				businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Petr Hornik	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet (BEAVA) in Europe CZ22F7B022-JMB22C ZKUSEBNI STANICE NECHANICE, S.R.O. CZ GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Alexandre Pey	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet CZ22F7B022-JMB23C SynTech Research Czech S.R.O GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Dietrichs, Wolfgang	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet DE22F7B022-WDI08 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Johannes Rohr	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet DE22F7B022-NFR06C Trial-Tec GmbH GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Ulrich Ströbele	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage

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			DE22F7B022-NFR07C Quintus GmbH GEP Unpublished				businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Ulrich Ströbele	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet DE22F7B022-NFR37C Quintus GmbH GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	E.J.M. Kehrman	2021	Efficacy (solo applications) of GF-3206 against BLW in sugarbeet compared to reference products across EU 2021. EA21F7B039H-DYE011 Cultus Crop Research BV GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	E.J.M. Kehrman	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet NL22F7B022-VVD19C Cultus Crop Research BV GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Piotr Umiński	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet PL22F7B022-BTA33C Source Field Research Support GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Tomczak, Bartosz	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage

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			PL22F7B022-BTA34 Corteva Agriscience GEP Unpublished				businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Tomczak, Bartosz	2021	Efficacy (solo applications) of GF-3206 against BLW in sugarbeet compared to reference products across EU 2021. EA21F7B039H-DPR015 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Tomczak, Bartosz	2022	GF-3206 applied solo on the control of broadleaf weeds in sugarbeet PL22F7B022-BTA35 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Justyna Rezmierska-Piętka	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet PL22F7B022-BTA38C PerfectBAD GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Kukorelli, Gábor	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet HU22F7B022-JPA24C AGROPASS Hungária Kft. GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCP 6.2	Labant-Hoffmann Éva	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet HU22F7B022-JPA26C NOVENYPATHYKA KFT, HUNGARY GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	LEFRANC Mélanie	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet FR22F7B022-YLA01C ANTEDIS SAS GEP Published/Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	LEFRANC Mélanie	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet FR22F7B022-YLA03C ANTEDIS SAS GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Alexander Armstrong	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet GB22F7B022H-EAP15C Armstrong Agriculture Ltd GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Richard Good	2022	Efficacy of GF-3206 applied solo on the control of broadleaf weeds in sugarbeet GB22F7B022H-EAP16C FieldArm Ltd GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCP 6.2	Johannes Rohr	2022	Efficacy of GF-3206 on the control of broadleaf weeds in Programs in sugarbeet (BEAVA) in Europe DE22F7B023-NFR04C Trial-Tec GmbH GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Kukorelli, Gábor	2022	Efficacy of GF-3206 on the control of broadleaf weeds in Programs in sugarbeet (BEAVA) in Europe HU22F7B023-JPA13C AGROPASS Hungária Kft. GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	E.J.M. Kohnman	2022	Efficacy of GF-3206 on the control of broadleaf weeds in Programs in sugarbeet (BEAVA) in Europe NL22F7B023-VVD09C Cultus Crop Research BV GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	E.J.M. Kohnman	2022	Efficacy of GF-3206 on the control of broadleaf weeds in Programs in sugarbeet (BEAVA) in Europe NL22F7B023-VVD10C Cultus Crop Research BV GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Tomeczak, Bartosz	2022	Efficacy of GF-3206 on the control of broadleaf weeds in Programs in sugarbeet (BEAVA) in Europe PL22F7B023-BTA17 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCP 6.2	Tomeczak, Bartosz	2022	Efficacy of GF-3206 on the control of broadleaf weeds in Programs in sugarbeet (BEAVA) in Europe PL22F7B023-BTA18 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Norbert Hamkało	2022	Efficacy of GF-3206 on the control of broadleaf weeds in Programs in sugarbeet (BEAVA) in Europe PL22F7B023-BTA19C SGS Polska SP.Z.O.O. GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Stephan, Andre	2021	Efficacy of GF-3206 (Rinskor) in programs against BLWs on sugar beet. Europe 2021 EA21F7B037H-DPE013 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Tomeczak, Bartosz	2021	Efficacy of GF-3206 (Rinskor) in programs against BLWs on sugar beet. Europe 2021 EA21F7B037H-DPR017 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	E.J.M.Kohrman	2021	Efficacy of GF-3206 (Rinskor) in programs against BLWs on sugar beet. Europe 2021 EA21F7B037H-DYE013 Cultus Crop Research BV GEP Published/Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCP 6.2	Johannes Rohr	2021	Efficacy of GF-3206 (Rinskor) in programs against BLWs on sugar beet. Europe 2021 EA21F7B037H-NFR004 Trial-Tec GmbH GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Michaela Kolářová	2022	Efficacy of GF-3206 (Rinskor) in programs against BLWs on sugar beet. Europe 2021 CZ22F7B023-JMB11C CZU Prague GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.2	Alexandre Pey	2022	Efficacy of GF-3206 (Rinskor) in programs against BLWs on sugar beet. Europe 2021 CZ22F7B023-JMB12C SynTech Research Czech S.R.Oe GEP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	F Varret	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor (GF-3206) applied alone or in sequence - EU 2022 BE22F7B024-VVD10C STAPHYT, BEL GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	F Varret	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor (GF-3206) applied alone or in sequence - EU 2022 BE22F7B024-VVD11C STAPHYT, BEL GEP- Y	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont

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			Unpublished				Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Alexandre Pey	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor GF-3206) applied alone or in sequence - EU 2022 CZ22F7B024-JMB12C SynTech Research Czech S.R.O GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Petr Hornik	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor GF-3206) applied alone or in sequence - EU 2022 CZ22F7B024-JMB13C ZKUSEBNI STANICE NECHANICE, S.R.O. CZ GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Petr Hornik	2022	Evaluation of the selectivity of GF-3206 on sugar beet when applied in the most common post emergence herbicide programs in Europe 2022. CZ22F7B025-JMB06C ZKUSEBNI STANICE NECHANICE, S.R.O. CZ GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Ulrich Ströbele	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor GF-3206) applied alone or in sequence - EU 2022 DE22F7B024-NFR04C Quintus GmbH GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Susanne Wönckhaus	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor (GF-3206) applied alone or in sequence - EU 2022 DE22F7B024-NFR05C AGRARTEST GmbH GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Ulrich Ströbele	2022	Evaluation of the selectivity of GF-3206 on sugar beet when applied in the most common post emergence herbicide programs in Europe 2022. DE22F7B025-NFR02C Quintus GmbH GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Michael Armstrong	2021	Evaluation of the selectivity of GF-3206 on sugar beet when applied in the most common post emergence herbicide programs in Europe 2021 EA21F7B038H-DHI031 Armstrong Agriculture Ltd GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Perenyi, Jozsef	2021	Evaluation of the selectivity of GF-3206 on sugar beet when applied in the most common post emergence herbicide programs in Europe 2021 EA21F7B038H-DHP024 Corteva AgriScience GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Tomczak, Bartosz	2021	Evaluation of the selectivity of GF-3206 on sugar beet when applied in the most common post emergence herbicide programs in Europe 2021	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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			EA21F7B038H-DPR018 Corteva AgriScience GEP- Y Unpublished				Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Petr Hornik	2021	Evaluation of the selectivity of GF-3206 on sugar beet when applied in the most common post emergence herbicide programs in Europe 2021 EA21F7B038H-TQS031 ZKUSEBNI STANICE NECHANICE, S.R.O. CZ GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Michael Armstrong	2021	Evaluation of selectivity and yield of BEAVA following application of Rinskor (GF-3206) applied alone or in sequence - EU 2021 EA21F7B040H-DHI030 Armstrong Agriculture Ltd GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Kukorelli, Gabor	2021	Evaluation of selectivity and yield of BEAVA following application of Rinskor (GF-3206) applied alone or in sequence - EU 2021 EA21F7B040H-DHP023 AGROPASS Hungária Kft. GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Tomczak, Bartosz	2021	Evaluation of selectivity and yield of BEAVA following application of Rinskor (GF-3206) applied alone or in sequence - EU 2021 EA21F7B040H-DPR016 Corteva AgriScience GEP- Y	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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			Unpublished				
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	F Varret	2021	Evaluation of selectivity and yield of BEAVA following application of Rinskor (GF-3206) applied alone or in sequence - EU 2021 EA21F7B040H-DYE012 STAPHYT, BEL GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Susanne Wöneckhaus	2021	Evaluation of selectivity and yield of BEAVA following application of Rinskor (GF-3206) applied alone or in sequence - EU 2021 EA21F7B040H-NFR002 AGRARTEST, DE GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Petr Hornik	2021	Evaluation of selectivity and yield of BEAVA following application of Rinskor (GF-3206) applied alone or in sequence - EU 2021 EA21F7B040H-TQS027 ZKUSEBNI STANICE NECHANICE, S.R.O. CZ GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	LEFRANC Mélanie	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor GF-3206) applied alone or in sequence - EU 2022 FR22F7B024-YLA02C ANTEDIS SAS GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2	Alex Armstrong	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor GF-3206) applied alone or in sequence -	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage

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KCP 6.4.3			EU 2022 GB22F7B024-EAP08C Armstrong Agriculture Ltd GEP- Y Unpublished				businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Alex Armstrong	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor GF-3206) applied alone or in sequence - EU 2022 GB22F7B024-EAP09C Armstrong Agriculture Ltd GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Peter Martin	2022	Evaluation of the selectivity of GF-3206 on sugar beet when applied in the most common post emergence herbicide programs in Europe 2022. GB22F7B025-EAP04C Green Bank Agriculture GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Péter Iszak	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor GF-3206) applied alone or in sequence - EU 2022 HU22F7B024-JPA14C CPR Europe Kft. GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	József Ritecz	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor GF-3206) applied alone or in sequence - EU 2022 HU22F7B024-JPA15C CPR Europe Kft.	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont

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			GEP- Y Unpublished				Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Dr. László Hódi	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor GF-3206) applied alone or in sequence - EU 2022 HU22F7B024-JPA16C CPR Europe Kft. GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Perenyi, Jozsef	2022	Evaluation of the selectivity of GF-3206 on sugar beet when applied in the most common post emergence herbicide programs in Europe 2022. HU22F7B025-JPA07 Corteva AgriScience GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2	Perenyi, Jozsef	2022	Selectivity of GF-3206 in Conviso sugar beet, 2022 HU22F7B060-JPA01 Corteva AgriScience GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	E.J.M. Kohrman	2022	Evaluation of the selectivity of GF-3206 on sugar beet when applied in the most common post emergence herbicide programs in Europe 2022. NL22F7B025-VVD05C Cultus Crop Research BV GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Piotr Umiński	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor GF-3206) applied alone or in sequence - EU 2022 PL22F7B024-BTA20C Field Research Support GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Tomczak, Bartosz	2022	Evaluation of selectivity and yield of BEAVA following application of Rinskor GF-3206) applied alone or in sequence - EU 2022 PL22F7B024-BTA21 Corteva AgriScience GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1 KCP 6.4.2 KCP 6.4.3	Tomczak, Bartosz	2022	Evaluation of the selectivity of GF-3206 on sugar beet when applied in the most common post emergence herbicide programs in Europe 2022. PL22F7B025-BTA09 Corteva AgriScience GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1	José Miguel Hernández Gómez	2022	Evaluation of GF-3206 on the control of weeds in Conviso sugarbeet varieties in comparison to Conviso One (foramsulfuron + thiencazone) Agroensayos, Ensayos y Técnicas Agrícolas S.L. ES22F7B047-MCA01C GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.4.1	José Miguel	2022	Evaluation of GF-3206 on the control of weeds in Conviso sugarbeet varieties in comparison to Conviso One (foramsulfuron + thiencazone)	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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	Hernández Gómez		Agroensayos, Ensayos y Técnicas Agrícolas S.L. ES22F7B047-MCA04C GEP- Y Unpublished				Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.5.2	Bergfield A.	2015	GF-3206 (XDE-848 Benzyl, 25 g a.s./L, EC): Effects on the Seedling Emergence and Growth of Non-Target Terrestrial Plants (Tier II) Corteva Study ID 140396 GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.5.2	Lee B.	2015	GF-3206 (XDE-848 Benzyl, 25 g a.s./L, EC): Effects on the Vegetative Vigor of Non-Target Terrestrial Plants (Tier III) Corteva Study ID 140394 GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.6.2	Jeewan	2017	Rinskor Clean Up issue – Korean Field Study 2017 Corteva internal report (power point) GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.6.2	Derek Hopkins & Cheryl Cathie		GF-3206 [Rinskor 25g/L EC] Spray Tank Clean Out Evaluation Research and Development Report CPPD&P) Corteva Study ID NAFST-181377 (Lab Report Code) Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCP 6.6.5.2	JP Huby & J Callemeyn	2022	F7B-39-30 Rinskor 25g/L (GF-3206 as surrogate) EC Physical and Chemical Compatibility evaluation Corteva Study ID 230058 GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.5.1	Sandra Siemoneit-Gast	2022	GF-3206 – Standardized Bioassay for the Determination of EC10 – (NOEL) and EC50 values for Herbicides and Selected Following Crops in Soil GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 6.0	Veerle Van Damme	2023	F7B-39-30 – Biology Assessment Dossier Corteva Internal report GEP- Y Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 5.1.1	Emery, W.	2023	Evaluation of Interferences when using DAS-AM-G-13-52 for the Determination of Florpyrauxifen-benzyl in F7B-39-30 Formulation Corteva Report No: 230138 Corteva Agrisciences LLC, 9330 Zionsville Road Indianapolis, Indiana 46268 GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCP 5.1.2	Devine, C.	2022	Residues of Florpyrauxifen-Benzyl in Sugarbeet and Process Fractions at Intervals and at Harvest Following a Single or Multiple Applications of GF-3206 – Northern and Southern Europe – 2021 DAS Report No: 210694 CEM Analytical Services Ltd (CEMAS), Wokingham, Berkshire, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 5.2	Seniuc, M.	2023	Development and Validation of an Analytical Method for the Determination of Florpyrauxifen-benzyl and its Metabolite X11438848 in Air DAS Report No: 221240 Eurofins Agrosience Services EAG Laboratories, Ulm, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 5.2	Lindner, M., Fiedler, S.	2022	Validation of an Analytical Method for the Determination of Florpyrauxifen-benzyl and X11438848 in Body Fluids DAS Report No: 221184 Eurofins Agrosience Services Chem GmbH, Hamburg, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 5.4.1/4	Xie, H.	2021	X12483137: In Vitro Mammalian Cell Micronucleus Assay in Human Peripheral Blood Lymphocytes (HPBL). Corteva Report No. 201936 BioReliance Corporation, Rockville, Maryland, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 5.4.1/5	Davis, X. F	2020	X12483137: Bacterial Reverse Mutation Test. Corteva Report No. 201938 Haskell R&D Center, E.I. du pont de Nemours and Company, Member of Corteva Agriscience Group of Companies, Newark, Delaware, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 5.4.1/6	Miller, A.	2021	X12483137: In Vitro Mammalian Cell Forward Gene Mutation (CHO/HPRT) Assay with Duplicate Cultures. Corteva Report No. 201937 BioReliance Corporation, Rockville, Maryland, USA DAS GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 7.2.1	Derakhshanian, N., Shephard, J.	2018	Storage Stability of XDE-848 Benzyl Ester and its Metabolites X11438848 and X11966341 in Plant Matrices - 24 Month Report Source: SynTech Research Laboratory Services, LLC DAS Study No. 150027 GLP/non GLP/GEP/non GEP: GLP Published/Unpublished: No	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 7.2.1	Rawle, N. W.	2022	Frozen Storage Stability of XDE-848 Benzyl Ester and its Metabolites in Crop Matrices Source: CEM Analytical Services Ltd (CEMAS) DAS Study No. 171027 GLP/non GLP/GEP/non GEP: GLP Published/Unpublished: No	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCA 6.2.1	Gordon, L.	2016	The Metabolism of [14C]-XDE-848 Benzyl Ester in Wheat Study ID 140594 Charles River Report No. 811993 GLP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 6.2.1	Inns, L.	2015	The Metabolism of [14C]-XDE-848 Benzyl Ester in Oilseed Rape Study ID 140595 Charles River Study No. 223367 GLP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 6.2.1	Begley, K.	2017	[14C]-XDE-848 Be Oilseed Rape Hydrolysis Investigation Study ID 160809 Charles River Study No. 226001 GLP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 6.2.1	Hobbs, G.	2015	The Metabolism of [14C]-XDE-848 Benzyl Ester in the Apple Study ID 140593 Charles River Study No. 811988 GLP Unpublished	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 6.2.3	[REDACTED]	2019	[14C]-X11966341-A Nature of the Residue Study in Lactating Goats [REDACTED] GLP Unpublished	Y	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCA 6.3	Devine, C	2023	Residues of Florpyrauxifen-Benzyl in Sugarbeet and Process Fractions at Intervals and at Harvest Following a Single or Multiple Applications of GF-3206 – Northern and Southern Europe – 2021 Company Report No: 210694 CEM Analytical Services Ltd (CEMAS) GLP Published	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 10.3.1.1.1/02	Amsel, K	2022	F7B-39-1 (GF-3206): Acute Contact and Oral Toxicity to the Bumblebee <i>Bombus terrestris</i> L. under Laboratory Conditions. BioChem agrar Labor für biologische und chemische Analytik GmbH, Germany. DAS Report No.: 220817 GLP/GEP (Y/N):Y Published (Y/N):N	N	Y	Data/study report never submitted before to Poland.	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CP 2	Boles, K., Jeon, J.	2018	GF-3206 Tank Mix Compatibility Study for European Union Market CORTEVA Report No. Błąd! Użyj karty Narzędzia główne, aby zastosować Report Number do tekstu, który ma się tutaj pojawić. Corteva Agriscience LLC 9330 Zionsville Road Indianapolis, Indiana 46268 GLP/GEP (Y/N): No Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 2	Grandcolas, D.	2015	Tank Mix Compatibility of GF-3479, An Herbicidal Formulation Containing 12 G/L Xde-848 Be + 160 G/L Cyhalofop-Butyl (Clincher), With Prospective Mixing Partners CORTEVA Report No. DAS-DH-15-1 Corteva Agriscience Europe, Drusenheim Laboratory, BP 20, 67410 Drusenheim, France GLP/GEP (Y/N): No Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 2.9	Grandcolas, D.	2015	Tank Mix Compatibility of GF-3565, An Herbicidal Formulation Containing 12.5 G/L Xde-848 Be + 20 G/L Penoxsulam, With Prospective Mixing Partners CORTEVA Report No. DAS-DH-15-5 Corteva Agriscience Europe, Drusenheim Laboratory, BP 20, 67410 Drusenheim, France GLP/GEP (Y/N): No Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CP 2.7/3 CP 2.8.2/4 CP 2.8.6/4	Tidswell, J	2018	GF-3206 Three Year Ambient Storage Stability in and Compatibility with PET and F-HDPE Packaging CORTEVA Report No.15-014-G Corteva Agriscience LLC, Actives to Products R&D 89 Paritutu Road Private Bag 2017 New Plymouth, New Zealand GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 2.1/1 CP 2.1/2 CP 2.3/1 CP 2.5/2 CP 2.6/2	Moe, T	2015	Determination of Color, Odor, Physical State, Oxidizing and Reducing Action, Flammability, pH, Viscosity, and Density of GF-3206, an End Use Product Containing XDE-848 BE CORTEVA Report No.FAPC-G-15-5 Corteva Agriscience LLC 9330 Zionsville Road Indianapolis, Indiana 46268 GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 2.2/1 CP 2.2/2 CP 2.5/1	Dunning, J.	2015	Determination of Explosive Properties, Oxidising Properties (liquids) and Kinematic Viscosity of GF-3206 CORTEVA Report No.NAFST-15-50 Huntingdon Life Sciences Occold Eye Suffolk IP23 7PX England GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CP 2.3/2 CP 2.5/3 CP 2.6/1	Dunning, J.	2016	Determination of Relative Density, Surface Tension and Auto-Ignition Temperature (liquids and gases) of GF-3206 CORTEVA Report No. NAFST-15-183 Envigo CRS Limited Project identity WV60YS Eye, Suffolk IP23 7PX, England GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 2.4/1 CP 2.7/1 CP 2.7/2	Tidswell, J.	2015	GF-3206 Two Weeks 54°C Accelerated Storage Stability in PET and FHDPE Packaging and One Week 0°C in Glass CORTEVA Report No.15-010-G Corteva Agriscience (NZ) Ltd Actives to Products R&D 89 Paritutu Road Private Bag 2017 New Plymouth, New Zealand GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 2.4/1 CP 2.7/3 CP 2.8.2/3 CP 2.8.6/3	Hofer, C.	2016	Three Year Warehouse Ambient Storage Stability of GF-3206 in PET and F-HDPE; Two Year Interim Report CORTEVA Report No. FOR-14-6.01 Corteva Agriscience LLC 9330 Zionsville Road Indianapolis, Indiana 46268 GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CP 2.7./1	Tidswell, J	2015	GF-3206 Two Weeks 54°C Accelerated Storage in COEX and Laminated Sachet Packaging and One Week 0°C Stability in Glass CORTEVA Report No.15-004-G Corteva Agriscience (NZ) Ltd Actives to Products R&D 89 Paritutu Road Private Bag 2017 New Plymouth, New Zealand GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 2.7/3	Tidswell, J Ralphs, C.	2017	GF-3206 2 Year Ambient Stability In and Compatibility with COEX Packaging CORTEVA Report No.15-005-G Corteva Agriscience (NZ) Ltd Actives to Products R&D 89 Paritutu Road Private Bag 2017 New Plymouth, New Zealand GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 5.1.1 (a)	Saur J.	2014	Analytical Method and Validation for the Determination of XDE-848 BE in GF-3206. Dow AgroSciences LLC, Actives to Products R&D 9330 Zionsville Road Indianapolis, Indiana 46268 Report No. DAS-AM-G-13-52 GLP Unpublished.	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 4.1.1 (a)	Kerbleski, H., Hamilton, T.	2015	Analytical Method and Validation for the Determination of Active Ingredient in XDE-848 BE Technical by Liquid Chromatography DAS Report No. DAS AM-2015004 The Dow Chemical Company, Midland, MI USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.1.1 (b)	Kerbleski, H., Dixon, T.	2015	Analytical Method and Validation for the Determination Residual Solvents in XDE-848 BE Technical by Gas Chromatography DAS Report No. DAS AM-2015003179 The Dow Chemical Company, Midland, MI USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.2 (a)/1	Lindner, M., Grewe, D.	2015	Validation of a Multi-Residue Method following the QuEChERS Sample Preparation Technique for the Determination of XDE-848 BE and XDE-848 in Matrices of Plant and Animal Origin DAS Report No. 130588 Eurofins Agrosience Services Chem GmbH, Hamburg, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 4.2 (a)/2	Austin, R., Turner, R.	2015	Independent Laboratory Validation of a Multi-residue Method Following the QuEChERS Sample Preparation Technique for the Determination of XDE-848 Benzyl Ester and its Metabolite X11438848 in Matrices of Plant and Animal Origin DAS Report No. 140899 Battelle UK Ltd, Chelmsford, Essex, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.2 (a)/3	Huang, T. Y., Walter, M. J.	2015	Method Validation of the Determination of Residues of XDE-848 Benzyl Ester and its Metabolites in Rice Grain and Straw Using Liquid Chromatography with Tandem Mass Spectrometry DAS Report No. 130794.01 Dow AgroSciences LLC, Indianapolis, Indiana, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.2 (a)/4	Huang, T. Y., Walter, M. J.	2015	Method Validation of the Determination of Residues of XDE-848 Benzyl Ester and its Metabolites in Rice Processed Fractions Using Liquid Chromatography with Tandem Mass Spectrometry DAS Report No. 130794.02 Dow AgroSciences LLC, Indianapolis, Indiana, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 4.2 (a)/5	Austin, R., Turner, R.	2015	Independent Laboratory Validation of a Dow AgroSciences Method for the Determination of XDE-848 Benzyl Ester and Three Metabolites (X11438848, X12300837 and X11966341) in Agricultural Commodities DAS Report No. 140963 Battelle UK Ltd, Chelmsford, Essex, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.2 (a)/6	Rawle, N. W.	2015	Validation of an Analytical Method for the Determination of XDE-848 Benzyl Ester, its Acid Metabolite (X11438848) and its Hydroxyl Acid Metabolite (X11966341) in Animal Matrices DAS Report No. 140961 CEM Analytical Services Ltd (CEMAS), Wokingham, Berkshire, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.2 (a)/7	Senciuc, M.	2015	Independent Laboratory Validation (ILV) of the Determination of XDE-848 Benzyl Ester and two Metabolites X11438848 and X11966341 in Animal Matrices DAS Report No. 140958 PTRL Europe GmbH, D-89081 Ulm, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 4.2 (a)/8	Deziderio, L. Ap. G.	2016	Validation for the Determination of Residues of XDE-848 BE (Benzyl Ester) and its Metabolites XDE-848 acid (X11438848) and XDE-848 HA (X11966341) in Agricultural Commodities by Liquid Chromatography with Tandem Mass Spectrometry DAS Report No. 150818 Dow AgroSciences Sementes e Biotecnologia Brasil Ltda, Cravinhos, SP, Brazil GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.2 (a)/9	Senciuc, M.	2016	Independent Laboratory Validation (ILV) of the Determination of XDE-848 Benzyl Ester and Two Metabolites X11438848 and X11966341 in Crop Matrices DAS Report No. 150105 PTRL Europe GmbH, D-89081 Ulm, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.2 (b)/1	Huang, T. Y., Walter, M. J.	2015	Method Validation Study for the Determination of Residues of XDE-848 Benzyl Ester and Three Metabolites (X11438848, X12300837 and X11966341) in Soil by Liquid Chromatography with Tandem Mass Spectrometry DAS Report No. 140956 Dow AgroSciences LLC, Indianapolis, Indiana, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 4.2 (a)/10	Begley, K.	2017	Determination of the Extraction Efficiency of XDE-848-BE and XDE-848-Acid Using Multiple Extraction Procedures Across NORs and Analytical Methods DAR Report No. 160014 Charles River Laboratories Edinburg Ltd, Elphinstone Research Centre, Tranent, East Lothian, EH33 2NE, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.2 (b)/2	Huang, T. Y., Walter, M. J.	2015	Method Validation Study for the Determination of Residues of XDE-848 and Five Metabolites (X11438848, X12300837, X11966341, X12131932 and X12393505) in Ground, Surface, and Drinking Water by Liquid Chromatography with Tandem Mass Spectrometry DAS Report No. 140952 Dow AgroSciences LLC, Indianapolis, Indiana, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.2 (b)/3	Austin, R.	2015	Independent Laboratory Validation of a Dow AgroSciences Method for the Determination of XDE-848 Benzyl Ester and Five Metabolites (X11438848, X12300837, X11966341, X12131932 and X12393505) in Water DAS Report No. 140962 Battelle UK Ltd, Chelmsford, Essex, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 4.2 (b)/4 (CA 4.1.2 (a)-02)	Finger, N.	2015	Field dissipation study with one summer application of XDE-848 BE (GF 3162) at six sites in Southern Europe in 2013 - 2014 DAS Report No. 141185 Eurofins Agriscience Services Chem GmbH, Hamburg, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.2 (b)/5	Tinnefeld V., Kovacevic, E.	2017	Validation Study for the Determination of XDE-848 Benzyl Ester and its Metabolite X11438848 in Soil DAS Report No. 170588 Eurofins Agriscience Services EcoChem GmbH, Niefem-Öschelbronn, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.2 (b)/6	Senciuc, M., Asekunowo, J.	2015	Validation of an Analytical Method for the Determination of XDE-848 BE in Ground-, Surface- and Drinking Water DAS Report No. 170590 Eurofins Agriscience Services Chem GmbH, Hamburg, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 4.2 (c)/1	Senciuc, M., Asekunowo, J.	2015	The Development and Validation of a Method for the Analysis of XDE848 Benzyl Ester in Air DAS Report No. 140898 PTRL Europe GmbH, D-89081 Ulm, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 4.2 (g)/1	LaMonaca, SM.	2017	Validation of Analytical Method for the Determination of XDE-848 BE in body fluids. DAS Report No. 170551 JRF America, Inc., Audubon, Pennsylvania, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 8.3.1.2	Vergé, E.	2017	GF-3206 - Assessment of Effects on the Adult Honey Bee, Apis mellifera L., in a 10 Day Chronic Feeding Test under Laboratory Conditions. DAS Report No. 170080 Eurofins Agrosience Services EcoChem GmbH / Eurofins Agrosience Services Ecotox GmbH, Niefern-Öschelbronn, Germany GLP/GEP (Y/N):Y Published (Y/N):N	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 8.3.1.3	Vergé, E.	2018	Honey Bee (Apis mellifera L.) 22 Day Larval Toxicity Test (Repeated Exposure) DAS Report No. 170081 Eurofins Agrosience Services , Niefern-Öschelbronn, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 7.1.1/1	██████	2014	Acute Oral Toxicity Study of GF-3206 in Rats ████████████████████ ██ GLP/GEP (Y/N): Yes Published (Y/N): No	Y		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 7.1.2/1	██████	2014	Acute Dermal Toxicity Study of GF-3206 in Rats ████████████████████ ██ GLP/GEP (Y/N): Yes Published (Y/N): No	Y		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 7.1.3/1	██████	2014	Acute Inhalation Toxicity Study of GF-3206 in Rats ████████████████████ ██ GLP/GEP (Y/N): Yes Published (Y/N): No	Y		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CP 7.1.4/1	██████	2014	Acute Dermal Irritation Study of GF-3206 in Rabbits ████████████████████ ████████████████████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 7.1.5/1	██████	2014	Acute Eye Irritation Study of GF-3206 in Rabbits DAS Report No.131190 Jai Research Foundation, Dist. Valsad, Gujarat, India GLP/GEP (Y/N): Yes Published (Y/N): No	Y		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 7.1.6/1	██████	2014	Skin Sensitisation Study of GF-3206 in Guinea Pigs [BUEHLER Test] ████████████████████ ████████████████████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CP 7.3/1	██████████	2016	In vitro dermal absorption of XDE-848 Benzyl Ester, formulated in F7B-39-30, and one spray dilution through human split-thickness skin using flow through diffusion cells ████████████████████ ████████████████████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 6.1/1	Huang, T. Y., Walter, M. J.	2015	Frozen Storage Stability of XDE-848 BE and Major Metabolites in Rice Grain, Straw and Processed Fractions- 12 Month Final Report DAS Report No. 140955 Dow AgroSciences LLC, Indianapolis, Indiana, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 6.1/2	Rebstock, M.	2015	Stability Determination of XDE-848 Benzyl Ester and Major Metabolites in Water Under Freezer Storage Conditions – DAS Report No. 140567 ABC Laboratories, Inc., Columbia, Missouri, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 6.1/3	Commander, R. F.	2015	XDE-848 - Frozen Storage Stability for the Determination of XDE-848 Benzyl Ester and two Metabolites (X11438848, Acid Metabolite and X11966341, Hydroxyl Acid Metabolite) in Animal Matrices DAS Report No. 140960 CEM Analytical Services Ltd (CEMAS) Wokingham Berkshire, RG41 2FD, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 6.1/4	Rebstock, M.	2015	Stability Determination of XDE-848 Benzyl Ester and Major Metabolites in Soil Under Freezer Storage Conditions DAS Report No. 131252 ABC Laboratories, Inc., Columbia, Missouri, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 6.1/5	Latham, M.	2016	Storage Stability of XDE-848 Benzyl Ester and its Metabolites X11438848 and X11966341 in Plant Matrices - 6 Month Interim Report DAS Report No. 150027 SynTech Research Laboratory Services, Stilwell, Kansas, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 6.1/5	Jutsum, L. and Commander, R. F.	2017	XDE-848 - Frozen Storage Stability for the Determination of XDE-848 Benzyl Ester and two Metabolites (X11438848, Acid Metabolite and X11966341, Hydroxyl Acid Metabolite) in Two Animal Matrices DAS Report No. 160511 GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 6.2.1/1	Rotondaro, S. L., Taylor, J. A., Adelfinskaya, Y. A.	2015	A Nature of the Residue Study with [14C]-XR-848-Benzyl Ester Applied to Rice DAS Report No. 121067 Dow AgroSciences LLC, Indianapolis, Indiana, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 6.2.2/1	[REDACTED]	2015	A Nature of the Residue Study with [14C]-XDE-848 Benzyl Ester in the Laying Hen [REDACTED] [REDACTED] GLP/GEP (Y/N): Yes Published (Y/N): No	Y		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 6.2.3/1	[REDACTED]	2015	A Nature of the Residue Study in the Ruminant with [14C]-XDE-848 Benzyl Ester [REDACTED] [REDACTED] GLP/GEP (Y/N): Yes Published (Y/N): No	Y		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 6.5.1	Rotondaro, S.L., Taylor, J. A., Adelfinskaya, Y. A	2015	[14C] XDE-848 Benzyl Ester and [14C] X11438848: Processing Nature of the Residue - High Temperature Hydrolysis Study ID 140912 IES study ID 20140073 GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 6.6.1	Rotondaro, S.L., Croffie, J.W., Adelfinskaya, Y.A	2015	A Confined Rotational Crop Study with [14C]-XDE-848 Benzyl Ester;PY, PH and BE Labels Study ID 130201 Dow AgroSciences LLC GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 6.4.2/1	[REDACTED]	2015	XDE-848 Livestock Feeding Study: Magnitude of Residue in Milk, Muscle, Liver, Kidney and Fat of Lactating Dairy Cattle [REDACTED] [REDACTED] GLP/GEP (Y/N): Yes Published (Y/N): No	Y		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 6.6.2/1	Woodard, D.	2017	Field Accumulation in Rotational Crops with XDE-848 DAS Report No. 141286 SynTech Research Laboratory Services, LLC, 17745 S Metcalf Ave., Stilwell, KS, 66085 GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 7.1.1.1/2	Taylor, J. A., Laughlin, L. A., Balcer, J. L.	2015	Degradation of XR-848 Benzyl Ester in Four Soils under Aerobic Conditions Report No.121106 Dow AgroSciences LLC, Indianapolis, Indiana, USA GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 7.1.3.1.1/1	Wang, H.,	2015	Batch Equilibrium Adsorption/Desorption of XDE-848 Benzyl Ester Study ID 130638 Dow AgroSciences LLC, USA GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 7.1.2.1.2/1	Wang, H.	2016	Degradation of XDE-848 Benzyl Ester Metabolite, X12483137, in Four Soils under Aerobic Conditions Report No.150781 Dow AgroSciences LLC, Indianapolis, Indiana, USA GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 7.2.1.2/1	Taylor, J. A., Laughlin, L. A., Balcer, J. L.	2014	Aqueous Photolysis of XR-848 Benzyl Ester in pH4 Buffer and Natural Water under Xenon Light Report No.120732 Dow AgroSciences LLC, Indianapolis, Indiana, USA GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 7.1.3.1.2/1	Ding, Y.,	2015	Batch Equilibrium Adsorption of XDE-848 Benzyl Ester Metabolites, X11438848, X11966341 and X12300837, Study ID 130567 Dow AgroSciences LLC, USA GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
CA 7.1.3.1.2/2	Lynn, K	2016	Batch Equilibrium Adsorption of XDE-848 Benzyl Ester Metabolite, X12483137, Study ID 151038 Dow AgroSciences LLC, USA GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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CA 7.2.2.3/1	Guenthenspberger, K. A., Balcer, J. L.	2015	Aerobic Aquatic Degradation of XR-848 Benzyl Ester in 2 Sediment and Pond Water System Report No.121001 Dow AgroSciences LLC, Indianapolis, Indiana, USA GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 10.1.1.1/01	[REDACTED]	2015	GF-3206: An Acute Oral Toxicity Study with the Northern Bobwhite Using a Sequential Testing Procedure [REDACTED] [REDACTED] GLP/GEP (Y/N): Yes Published (Y/N): No	Y		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 8.2.1/01	[REDACTED]	2015a	GF-3206: Acute Toxicity to the Common Carp, Cyprinus carpio, Determined Under Static-Renewal Test Conditions [REDACTED] [REDACTED] GLP/GEP (Y/N): Yes Published (Y/N): No	Y		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 10.2.1/02	Lamichhane, K.	2015	GF 3206: Acute Toxicity to the Cladoceran, Daphnia magna, Determined Under Static Renewal Test Conditions DAS Report No.150488 ABC Laboratories, Inc. Columbia, Missouri, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCP 10.2.1/03	Aufderheide, J.	2015	GF-3206: Growth Inhibition Test with the Unicellular Green Alga, Pseudokirchneriella subcapitata DAS Report No.130425 ABC Laboratories, Inc. Columbia, Missouri, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 10.2.1/04	Mays, C.	2015	GF-3206: Growth Inhibition Test with the Freshwater Aquatic Plant, Duckweed, Lemna gibba DAS Report No.150487 ABC Laboratories, Inc. Columbia, Missouri, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 10.2.1/05	Gonsior, G.	2015	GF-3206: Growth Inhibition of Myriophyllum spicatum in a Water/Sediment System DAS Report No.150382 Eurofins Agrosience Services EcoChem GmbH, Niefern-Öschelbronn, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 10.3.1.1.1/01	Schmitzer, S.	2015	GF-3206: Acute contact and oral effects on honeybees (Apis mellifera L.) in the laboratory DAS Report No.150360 Ibacon GmbH, Rossdorf, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCA 8.3.1.1	Chwiesko, D.	2017	XDE-848 Benzyl Ester: Effects (Acute Contact and Oral) on Bumble bees (<i>Bombus terrestris</i> L.) in the Laboratory. DAS Report No. 170055 ibacon GmbH, Leverkusen, Germany GLP/GEP (Y/N):Y Published (Y/N):N	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 8.3.1.2	Vergé, E.	2017	GF-3206 - Assessment of Effects on the Adult Honey Bee, <i>Apis mellifera</i> L., in a 10 Day Chronic Feeding Test under Laboratory Conditions. DAS Report No. 170080 Eurofins Agriscience Services EcoChem GmbH / Eurofins Agriscience Services Ecotox GmbH, Niefern-Öschelbronn, Germany GLP/GEP (Y/N):Y Published (Y/N):N	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 8.3.1.3	Vergé, E.	2018	GF-3206 - Honey Bee (<i>Apis mellifera</i> L.) 22 Day Larval Toxicity Test (Repeated Exposure) DAS Report No. 170081 Eurofins Agriscience Services EcoChem GmbH / Eurofins Agriscience Services Ecotox GmbH, Niefern-Öschelbronn, Germany GLP/GEP (Y/N):Y Published (Y/N):N	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCA 9.3.2.1/01	Moll, M.	2015a	GF-3206: Effects on the Parasitoid Aphidius rhopalosiphi in the Laboratory (Tier I) - Dose Response Test DAS Report No. 130245 Institut für Biologische Analytik und Consulting IBACON GmbH, 64380 Rossdorf, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 10.3.2.1/02	Moll, M.	2015b	GF-3206: Effects on the Predatory Mite Typhlodromus pyri in the Laboratory (Tier 1) - Dose Response Test DAS Report No. 130246 Institut für Biologische Analytik und Consulting IBACON GmbH, 64380 Rossdorf, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 10.3.2.2/01	Vaughan, R.	2015	GF-3206: A rate-response extended laboratory study with the green lacewing Chrysoperla carnea (Neuroptera, Chrysopidae) DAS Report No.130247 Mambo-Tox Ltd., Southampton, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCP 10.3.2.2/02	Fallowfield, L.	2015	GF-3206: A rate-response extended laboratory bioassay of the effects of fresh residues on the predatory mite Typhlodromus pyri (Acari: Phytoseiidae) DAS Report No.150327 Mambo-Tox Ltd., Southampton, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 8.4.1/02	Straube, D.	2015a	GF-3206: Effects on Reproduction and Growth of Earthworms Eisenia fetida in Artificial Soil DAS Report No.150331 ibacon GmbH, Rossdorf, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 8.4.2.1	Straube, D.	2018	Florpyrauxifen-benzyl: Effects on Reproduction of the Collembola Folsomia candida in Artificial Soil Study No. 180818 ibacon GmbH GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 8.4.2.1	Straube, D.	2018	Florpyrauxifen-benzyl: Effects on Reproduction of the Predatory Mite Hypoaspis aculeifer in Artificial Soil with 5% Peat Study No. 180820 ibacon GmbH GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCA 8.4.2.1	Wagenhoff, E.	2017	XDE-848 BE: Effects on the Reproductive Output of the Springtail Folsomia candida Willem (Collembola, Isotomidae) in different soils when the concentration of non-extractable residues is higher than 70% Study No. 160450 Eurofins Agriscience Services Ecotox GmbH GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 8.4.2.1	Wagenhoff, E.	2018	X12300837: Effects on the Reproduction of the Springtail Folsomia candida Willem (Collembola, Isotomidae) in Artificial Soil Study No. 180819 Eurofins Agriscience Services Ecotox GmbH GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCA 8.4.2.1	Wagenhoff, E.	2018	X12300837: Effects on the Reproduction of the Predatory Mite Hypoaspis aculeifer Canestrini (Acari: Laelapidae) in Artificial Soil Study No. 180821 Eurofins Agriscience Services Ecotox GmbH GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCA 8.4.1	Wagenhoff, E.	2018	X12300837: Effects on Reproduction of the Earthworm Eisenia fetida (Annelida, Lumbricidae) in Artificial Soil with 10% Peat Study No. 180822 Eurofins Agrosience Services Ecotox GmbH GLP Unpublished	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 10.4.2.1/01	Straube, D.	2015b	GF-3206: Effects on Reproduction of the Predatory Mite Hypoaspis aculeifer in Artificial Soil with 5% Peat DAS Report No.150330 ibacon GmbH, Rossdorf Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 10.4.2.1/02	Straube, D.	2015c	GF-3206: Effects on Reproduction of the Collembola Folsomia candida in Artificial Soil with 5% Peat DAS Report No.150329 ibacon GmbH, Rossdorf, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 10.5/01	Hammesfahr, U.	2015b	GF-3206: Effects on the Activity of the Soil Microflora in the Laboratory DAS Report No.150326 ibacon GmbH, Rossdorf, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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KCP 10.6.2/01	Lee, B.	2015b	GF-3206 (XDE-848 Benzyl, 25 g a.s./L, EC): Effects on the Vegetative Vigor of Non-Target Terrestrial Plants (Tier II) DAS Report No. 140394 ABC Laboratories, Inc., Columbia, Missouri 65202, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)
KCP 10.6.2/02	Bergfield, A.	2015b	GF-3206 (XDE-848 Benzyl, 25 g a.s./L EC): Effects on the Seedling Emergence and Growth of Non-Target Terrestrial Plants (Tier II) DAS Report No. 140396 ABC Laboratories, Inc. 7200 E. ABC Lane Columbia, Missouri 65202 USA GLP/GEP (Y/N): Yes Published (Y/N): No	N		Data/study report never submitted before to Poland	Corteva Agriscience (bringing together the global heritage businesses of Pioneer, DuPont Crop Protection, and Dow AgroSciences)

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List of data submitted by the applicant and not relied on

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KCP XX	Author	YYYY	Title Company Report No Source GLP/non GLP/GEP/non GEP Published/Unpublished	Y/N	Y/N	Data/study report never submitted before to <insert MS> If previously submitted in this MS: Data protection started with: <insert authorization number of first authorization>	Owner

List of data relied on and not submitted by the applicant but necessary for evaluation

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCP XX	Author	YYYY	Title Company Report No Source GLP/non GLP/GEP/non GEP Published/Unpublished	Y/N	Y/N	Data/study report never submitted before to <insert MS> If previously submitted in this MS: Data protection started with: <insert authorization number of first authorization>	Owner

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