

# REGISTRATION REPORT

## Part A

### Risk Management

Product code: GF-3307 (S7K-3-3)

Product name(s): QUEEN

Chemical active substance(s):

Fenpicoxamid (XDE-777), 50 g/L

Prothioconazole, 100 g/L

Central Zone

Zonal Rapporteur Member State: Poland

NATIONAL ASSESSMENT Poland

(extension of use)

Applicant: Corteva Agriscience

Submission date: March 2025, update July 2025, March 2026

MS Finalisation date: August 2025 (initial National Assessment)

March 2026 (final National Assessment)

### Version history

When	What
March 2025	Submission of GF-3307 (S7K-3-3) Sugar beet/Fodder beet Extension of Use in the Central Zone – Corteva Agriscience
July 2025	GAP update – change in the number of applications per use - change indicated by the applicant in response to the email – E-V-A
August 2025	Initial zRMS assessment  In order to facilitate tracking of changes of the intended uses of the product due to the performed evaluation, amendments of the GAP table and in the product label (Appendix 2) and Lists of data considered for national authorization (Appendix 4) are <b>highlighted in grey</b> , while not agreed use pattern is <del>struck through</del> and <b>shaded</b> .
March 2026	Final report (National Assessment updated following the commenting period)  Additional information/assessments included by the zRMS in the report are <b>highlighted in yellow</b> . Not agreed or not relevant information are struck through and shaded for transparency.
March 2026	Applicant's update of the Lists of data considered for national authorization (Appendix 4). Changes are <b>highlighted in green</b> .

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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 July 2024.

The application is for the label extension on sugar beet/fodder beet of the formulation GF-3307 (S7K-3-3), an emulsion concentrate (EC) containing 50 g/L of fenpicoxamid and 100 g/L of prothioconazole for use as a fungicide.

zRMS is Poland for this application and cMS's are Hungary, Romania, Slovakia, Belgium, Czech Republic, Austria and the Netherlands. Fenpicoxamid (XDE-777) is approved under Regulation EC 1007/2009. The active substance prothioconazole is approved under Regulation EC 1007/2009 and is currently under re-evaluation.

This Part A is written for Poland; the application in Poland includes the following crops: sugar beet and fodder beet.

#### **1.2 Letters of Access**

The letter of access is confidential information and it has been submitted separately.

#### **1.3 Justification for submission of tests and studies**

The studies submitted are necessary for authorisation in zRMS Poland and the other Central zone countries 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.

Studies on vertebrates have been generated to be in compliance with Reg. 1107/2009 requirements. Acute toxicology data on GF-3307 (S7K-3-3) are presented to support the current application. These studies have been generated to support application of GF-3307 (S7K-3-3) in another geography where these data are requested to grant approval.

#### **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	GF-3307 (S7K-3-3)
Product name in MS	QUEEN
Authorization number	R-140/2023
Function	Fungicide
Applicant	Corteva Agriscience Poland Sp z o.o..

Active substance(s) (incl. content)	Fenpicoxamid; 50 g/L Prothioconazole; 100 g/L
Formulation type	Emulsion Concentrate (EC)
Packaging	F-HDPE: <ul style="list-style-type: none"> <li>0.25 – 60 litre bottles/ jerrican/drum</li> </ul> COEX HDPE/PA (external material HDPE / inner barrier Polyamide) <ul style="list-style-type: none"> <li>0.1 – 20 litre bottles/ jerrican</li> </ul> All packages are for professional users
Coformulants of concern for national authorizations	none
Restrictions related to identity	none
Mandatory tank mixtures	none
Recommended tank mixtures	none

## 2.2 Conclusion

The authorisation of GF 3307/ S7K 3-3 for the uses specified in 2.6 of this document can be granted.

The evaluation of the application for GF-3307/ S7K-3-3 resulted in the decision to grant the authorization. **For the details please see column 15 of the GAP table presented in Point 2.6 Intended uses (only NATIONAL GAP) of this document.**

## 2.3 Substances of concern for national monitoring

No substances of concern for national authorization are contained.

## 2.4 Classification and labelling

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

The following classification is proposed in accordance with Regulation (EC) No 1272/2008:

Hazard class(es), categories:	Eye irritation Cat 2 – H319 <del>H332 – Harmful if inhaled</del> <b>STOT SE3 H335 - May cause respiratory irritation.</b> Chronic aquatic Cat 1 – H410
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The following labelling information is derived from the classification and to be mentioned in the safety data sheet. The information which is determined for the **label** is **formatted bold**:

Hazard pictograms:	<b>GHS07, GHS09</b>
<b>Signal word:</b>	<b>Warning</b>
Hazard statement(s):	<b>H319, <del>H332</del>, H335, H410</b>
Precautionary statement(s):	<b>P261, P280, P304+340, P305+P351+P338, P312, P391, P501</b>
Additional labelling phrases:	<b>To avoid risks to human and the environment, comply with the instructions for use. [EUH401]</b>

Further labelling statements under Regulation (EC) No 1272/2008:	
According to Art. 18(3) of (EC) No 1272/2008	<b>Contains: Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-; cyclohexanone; Ethoxylated Alcohols, C12 to C15; Ethylhexanol</b>

## 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).
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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:	
	According to the EFSA model calculations, personal protective equipment (PPE) including gloves are required for handling the concentrate solution and application of the prepared spraying solution. Suitable eye protection should also be worn when handling the concentrate.
Worker protection:	
	There is no unacceptable risk anticipated for the worker wearing adequate work clothing (normal workwear and gloves for manual reaching, picking and removing bolting sugar beet tasks (gloves not required for inspection, irrigation tasks)), when re-entering crops treated with GF-3307 (S7K-3-3).
Integrated pest management (IPM)/sustainable use:	
	None required
Environmental protection	
SPe 3	To protect aquatic organisms, respect no spray zone of 30 m and a vegetated filter strip of 10 m to surface water bodies or a respect no spray zone of 10 m and a vegetated filter strip of 10 m to surface water bodies combined with 75% drift reduction using appropriate drift reducing techniques.
Other specific restrictions	
	None required

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

Integrated pest management (IPM)/sustainable use:	
	None required

### 2.5.2 Specific restrictions linked to the intended uses

Some of the authorised uses are linked to the following conditions in addition to those listed under point 2.5.1 (mandatory labelling):

Integrated pest management (IPM)/sustainable use:		Relevant for use no.
	None required	
Environmental protection:		Relevant for use no.
SPe 3	To protect aquatic organisms, respect no spray zone of 30 m and a vegetated filter strip of 10 m to surface water bodies or a respect no spray zone of 10 m and a vegetated filter strip of 10 m to surface water	1

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	bodies combined with 75% drift reduction using appropriate drift reducing techniques.	
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## 2.6 Intended uses (only NATIONAL GAP)

GAP rev. **3** date: **March 2026**

November August March 2025

PPP (product name/code): GF-3307 (S7K-3-3)  
Active substance 1: Fenpicoxamid  
Active substance 2: Prothioconazole  
Safener: Not Applicable  
Synergist: Not Applicable  
Applicant: Corteva Agriscience  
Zone(s): central <sup>(d)</sup>  
Verified by MS: **yes**/~~no~~  
Field of use: fungicide

Formulation type: EC <sup>(a, b)</sup>  
Conc. of as 1: 50 g/L <sup>(c)</sup>  
Conc. of as 2: 100g/L <sup>(c)</sup>  
Conc. of safener: Not Applicable <sup>(c)</sup>  
Conc. of synergist: Not Applicable <sup>(c)</sup>  
Professional use: ☒  
Non professional use: ☐

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15							
Use- No. *	Member state(s)	Crop and/ or situation  (crop destina- tion / purpose of crop)	F, Fn, G, Gn, Gnp or I **	Pests or Group of pests con- trolled  (additionally: developmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks:  e.g. g saf- ener/ syner- gist per ha, other dose rate expres- sion, dose range (min- max)	zRMS Conclusion							
					Method / Kind	Timing / Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between ap- plications (days)	kg or L product / ha a) max. rate per appl. b) max. to- tal rate per crop/season	g or kg ai/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max			Phys-chem	Analytical methods	Toxicology	Residues	Fate & behaviour	Ecotoxicology	Relevance of metabolites in groundwater	Efficacy
Zonal uses (field or outdoor uses, certain types of protected crops)																					
1	PL	Sugar Beet (BEAVA) Fodder Beet (BEAVC)	F	<i>Cercospora beticola</i> (CERCBE) <i>Uromyces betae</i> (UROMBE) <i>Erysiphe betae</i> (ERYSBE) <i>Ramularia beticola</i> (RAMUBE)	Tractor mounted spray	BBCH 39-49	a) 2 + b) 2	21 days	a) 1.5 L/ha b) 3 L/ha	a) 75 Fenpicox- amid + 150 Prothio- conazole b) 150 Fen- picoxamid + 300 Prothio- conazole	150- 300	21	Range 1.2- 1.5 L/ha	A	A	A	A	A	R Aquatics	A	A BEAVA: CERCBE, RAMUBE
																			A Remaining species		N BEAVA: UROMBE BEAVC: CERCBE , UROMBE, ERYSBE, RAMUBE  Possible au- thorization on the grounds of

\* 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

\*\*\* Final decision is left at the Authority discretion – for details, see point 5 part A

- (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.

<b>Remarks columns:</b>	1	Numeration necessary to allow references
	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)
	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
	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.
	6	Method, e.g. high volume spraying, low volume spraying, spreading, dusting, drench Kind, e.g. overall, broadcast, aerial spraying, row, individual plant, between the plants - type of equipment used must be indicated.

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 sea-  
son at time of application

8 The maximum number of application possible under practical conditions of use must be  
provided.

9 Minimum interval (in days) between applications of the same product

10 For specific uses other specifications might be possible, e.g.: g/m<sup>3</sup> in case of fumigation  
of empty rooms. See also EPPO-Guideline PP 1/239 Dose expression for plant protec-  
tion products.

11 The dimension (g, kg) must be clearly specified. (Maximum) dose of a.s. per treatment  
(usually g, kg or L product / ha).

12 If water volume range depends on application equipments (e.g. ULVA or LVA) it  
should be mentioned under “application: method/kind”.

13 PHI - minimum pre-harvest interval

F: PHI is defined by the application stage at last treatment (time elapsing between last  
treatment and harvest of the crop).

14 Remarks may include: Extent of use/economic importance/restrictions

A	Acceptable
R	Acceptable with further restriction
C	To be confirmed by eMS
N	Not acceptable / evaluation not possible
n.r.	Not relevant

## 3 Background of authorization decision and risk management

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

All studies have been performed in accordance with the current requirements and the results are deemed to be acceptable. The appearance of the product is that of orange liquid (19.7 °C), with a fruity odour. It is not explosive, has no oxidising properties. The product is not flammable/has a flash point of 76.5 °C. It has a self ignition temperature of 368 °C. In aqueous solution, it has a pH value around 4.60 at 21.6 °C. There is no effect of low and high temperature on the stability of the formulation, since after 7 days at 0 °C, 14 days at 54 °C, and 8 weeks at 40 °C, neither the active ingredient content nor the technical properties were changed. The product showed > 5% degradation of fenpicoxamid in 1-L COEX (HDPE/PA), 1-L F-HDPE, and 25-L steel after 2 years in ambient storage conditions but all breakdown products were identified and acceptable mass balance was demonstrated. The technical characteristics of GF-3307 are acceptable for an emulsifiable concentrate formulation.

The intended concentration of use is 0.5% to 1.0% per application.

Comments of zRMS:	The final version of the report was prepared in February 2023 (please refer final report - Core Assessment updated following the commenting period). No new studies have been presented for the purpose of extension of use, and all studies presented in the version of the report "February 2023" are still accepted. The intended concentration of use is 0.5% to 1.0% per application is supported by existing studies.
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### 3.2 Efficacy (Part B, Section 3)

#### 3.3 Efficacy data

This document summarises the information related to the efficacy data of the plant protection product GF-3307, containing the active substances fenpicoxamid + prothioconazole for the control of foliar diseases *Cercospora beticola* (CERCBE), *Uromyces betae* (UROMBE), *Erysiphe betae* (ERYSBE) and *Ramularia beticola* (RAMUBE) in sugar beet crops at a maximal dose rate of 1.5 L/ha.

This dossier supports submission for use extension of the product GF-3307 (S7K-3-3) as an Emulsifiable Concentrate (EC) for the control of foliar diseases of sugar beet/fodder beet within the Central administration registration zone.

Dossiers for the control of a range of diseases in wheat, triticale and rye at a dose rate range of 1.2 and up to 2.0 L/ha has been submitted previously to Central registration zone countries for this formulation and authorisation granted under the tradename Univoq or Queen. Member states where Univoq are currently registered for use in wheat, triticale and rye are Austria, Belgium and The Netherlands where extension of use is sought in sugar beet/fodder beet, Queen is registered for use in wheat, triticale and rye in Czech Republic, Hungary, Slovakia and is currently under registration process in Romania where extension of use is sought in sugar beet/fodder beet. Queen is registered in Poland for use in winter and spring wheat, triticale and rye under registration number R-140/2023.

Data to justify the ratio and rates and each active ingredient contained in GF-3307 was submitted and approved to obtain the original registration on cereals. Therefore, to extend the label of GF-3307 for disease control in sugar beet/fodder beet then no additional data to justify the mixture is required. However, as many trials contained treatments GF-3307 applied at 1.5 L/ha (75 g a.s./ha fenpicoxamid +150 g a.s./ha prothioconazole) and GF-3308 at 1.5 L/ha (75 g a.s./ha fenpicoxamid) and PROLINE at 0.6 L/ha (150 g a.s./ha prothioconazole) it was considered beneficial to present the mix partner benefit data as both actives will be new introductions to sugar beet disease control.

To confirm the benefit of fenpicoxamid and prothioconazole formulated as GF-3307, a total of 34 valid efficacy trials carried out from 2020 to 2023 in the Maritime EPPO Zone (1 trial in Czech Republic, 4 trials in Denmark, 10 trials in Germany, 4 trials in The United-Kingdom and 4 trials in France), the Northeast (2 trials in Lithuania and 3 trials in Poland) and the Southeast (4 trials in Hungary and 2 trials in Romania) EPPO climatic zones in sugar beet against *Cercospora beticola* and *Uromyces betae*.

The benefit of fenpicoxamid + prothioconazole formulated in GF-3307 allowed increasing the control of *Cercospora beticola* and *Uromyces betae* of sugar beet compared to the same rate of fenpicoxamid or prothioconazole applied straight. Indeed, the efficacy of GF-3307 at 1.5 L/ha over fenpicoxamid or prothioconazole applied straight is clearly demonstrated in 34 valid trials.

Based on the benefits with respect to resistance prevention and improved efficacy, the knowledge of each active substance, and technical possibilities on formulation, the combination of the active substances fenpicoxamid + prothioconazole in GF-3307 and their rate ratio are clearly justified in sugar beet and by extrapolation in fodder beet in accordance with PP 1/257 FEET 55(1).

The confirmation of required minimum effective doses of GF-3307 was supported by the data from 39 valid efficacy trials carried out from 2020 to 2023 to justify the minimum effective dose of GF-3307 applied at a maximum dose of 1.5 L/ha for Poland, Austria, Belgium, Czech Republic, Hungary, The Netherlands, Slovakia and Romania. All trials were carried out in Austria (1), Czech Republic (1), Denmark (4), France (4), Germany (13) and The United-Kingdom (5) in the EPPO Maritime climatic zone, in Lithuania (2) and Poland (3) in EPPO Northeast climatic zone and in Hungary (4) and Romania (2) in EPPO Southeast climatic zone in sugar beet against foliar diseases.

GF-3307 was tested at 1.0, 1.2-1.25 and 1.5 L/ha. These rates reflect 67%, 80-83% and 100% (1.5 L/ha, the maximum recommended dose of GF-3307) in accordance with the EPPO guideline PP 1/225(1) “Minimum effective rate”.

By and large, the mean efficacy increases is a function of the rate of GF-3307 and at GF-3307 at 1.5 L/ha reached a very good efficacy to control the diseases complex of sugar beet confirming the selection of 1.5 L/ha as maximum registered dose for Austria, Belgium, Czech Republic and The Netherlands and 1.2-1.5 L/ha for Poland, Hungary, Romania and Slovakia.

This choice of dose rate of GF-3307 at 1.5 L/ha for Austria, Belgium, Czech Republic and The Netherlands and 1.2-1.5 L/ha for Poland, Hungary, Romania and Slovakia is also justified on fodder beet by extrapolation in accordance with PP 1/257 FEET 55(1).

Data to confirm efficacy claims for applications of GF-3307 were taken from a set of 33 efficacy trials carried out from 2020 to 2023 including 1 trial in Austria, 1 trial in Czech Republic, 15 trials in Germany, 6 trials in Poland, 6 trials in Hungary and 4 trials in Romania for the Central registration zone. In addition, to complete the data package, 23 efficacy trials performed from 2020 to 2023 in the Maritime and Northeast EPPO climatic zones (as defined by EPPO standard PP 1/241(2)) from Southern and Northern registration zone (Denmark (6), France (8), The United-Kingdom (7) and Lithuania (2)) are also provided. Data from the United-Kingdom and Denmark present high risk situations for UROMBE where *Cercospora* is less prevalent and so present the worst case scenario for the Central zone for this disease.

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

GF-3307 is a co-formulated mixture of fenpicoxamid and prothioconazole. Fenpicoxamid has been combined with prothioconazole in order to build in resistance management by a combination of two different modes of action (MOAs). Fenpicoxamid belongs to FRAC group C4#21 (Inhibition of respiration at complex III; Qil fungicides). Prothioconazole is a member of the DMI group. FRAC group G1#3 (Demethylase inhibitors; Class I).

Fenpicoxamid offers a novel target site fungicide in the sugar beet crop segment (assigned to FRAC group C4 #21) and does not show target site based cross resistance to any of the current commercial fungicides. As a consequence, it will be an important additional tool for sugar beet farmers in aiding the management of resistance risk to the limited number of effective fungicide options currently available for control of foliar diseases in sugar beet/fodder beet.

GF-3307 will provide crop growers with a valuable new resistance management option for CERCBE, UROMBE, ERYSB and RAMUBE control in sugar beet. Fenpicoxamid and prothioconazole do not share the same mode of action and so the mixture represents a valid resistance management solution for the control of diseases complex of sugar beet/fodder beet. Given the history of resistance associated with DMI fungicides, we propose that the following modifiers be applied to the product use pattern in order to reduce the potential risk of resistance. A resistance risk analysis has been conducted in accordance

with EPPO guideline PP1/213(3) ‘Resistance risk analysis’. The combined risk is low to medium. The resistance risk is therefore acceptable.

Although the risk evaluation is acceptable, additional recommendations can be proposed.

There are a number of steps in the implementation of the resistance management strategy, ultimately based on methods of communication with the grower, either directly or indirectly. Proposals are outlined below:

- An internal training program of sales and development representatives prior to and during the launch of GF-3307 in sugar beet will be organized with emphasis on resistance management. Educational material on resistance and resistance management will be presented at launch meetings with customers.
- The principles of good plant protection practice will be promoted both during training sessions and within commercial advisory literature. These include the use of both cultural and chemical control measures and recommendations to ensure that fungicide application is made under favourable environmental conditions.
- The use of GF-3307 in program with differing modes of action either in tank-mix or in sequence will be promoted within training meetings and on all commercial support literature.
- The statements/modifiers relating to resistance management presented in the preceding sections will appear on the label. Study of the label is recommended prior to the use of the product.
- Two application per season of GF-3307 with 21 days between applications. No consecutive applications.

The applicant will also undertake to actively promote the resistance management plan, via product literature and during product technical presentations with customers and growers. The fenpicoxamid and prothioconazole resistance management strategies are communicated on the FRAC website (Working Group #21 “QiIs” and Working Group #3 “SBI-Fungicides”, respectively) and in the form of technical publications in appropriate journals or conferences.

### **3.3.2 Adverse effects on treated crops**

The crop sensitivity of GF-3307 was studied from a set of 56 efficacy trials carried out from 2020 to 2023 in sugar beet.

Overall, no phytotoxicity symptoms caused by GF-3307 at the proposed dose of 1.5 L/ha were recorded in all efficacy trials, so no effect is expected on the crop

Therefore, no effect is expected on sugar beet/fodder beet if GF-3307 is applied at the maximum requested rate of 1.5 L/ha according to the Good Agricultural Practices and label recommendations.

No adverse effect on the quality of sugar beet/fodder beet is expected if GF-3307 is applied at the maximum requested rate of 1.5 L/ha according to the Good Agricultural Practices and label recommendations.

Sugar beet seed is not subject to any transformation processes, as it is used for extraction of sugar (industrial processing with no biological activity). Therefore, no selectivity trials to investigate the possible adverse effects of GF-3307 on the transformation process of sugar beet, are included in this dossier. This is in line with the guidance in EPPO standard PP 1/243 ‘*Effects of plant protection products on transformation processes*’. Sugar beet is also not subject to any processes that would impact on taint (EPPO PP 1/242 (2) ‘*Taint tests*’).

It is considered that GF-3307 can be used on sugar beet without any specific label warnings relating to transformation processes.

No specific selectivity trials were required to be carried out to investigate the possible adverse effects of GF-3307 on propagation materials (sugar beet seed). In line with EPPO PP 1/135(3) ‘Phytotoxicity Assessment’ (Table 2: ‘The circumstances under which data on plant parts for propagation are required’), as no phytotoxicity effects have been reported in the effectiveness trials, it is considered that data on seed germination, using sugar beet seed from crops treated with GF-3307, are not required. Moreover, no problem with respect to propagation has been encountered during the experimental testing of GF-3307 which has been used to treat plants with no negative impact. Based on this, further investigation of the effects of treatments with GF-3307 was considered unnecessary.

However, a summary of the range of varieties tested and the extent of crop damage observed is provided in Section 3.4.1 to support the use of GF-3307 on plants used for propagation purposes. Finally, it is concluded that no negative impact on plant propagation will occur on sugar beet crops. Therefore, no effect on parts of plant used for propagating purposes is expected if GF-3307 is applied in accordance with the Good Agricultural Practices and label recommendations.

### **3.3.3 Observations on other undesirable or unintended side-effects**

Fungicides usually do not generally exhibit herbicidal activity. No phytotoxicity was observed on sugar beet in any of the 56 efficacy trials where GF-3307 applied as a straight product up to 1.5 L/ha at BBCH 39-49. For more details on phytotoxicity results, please refer to Section 3.4.1. and 3.4.2. Information on succeeding and adjacent crops was previously submitted in support of uses on cereals. GF-3307 has been registered for use in cereals in Europe for four years and no effect on adjacent or succeeding crops has been reported in Europe.

Finally, further information on the fate and behaviour of the active substances in the soil can be found in the relevant section in Part B Section 8 (“Environmental fate”) of the Registration Report.

Therefore, no impact is expected on succeeding and adjacent crops if GF-3307 is used according to the Good Agricultural Practices and label recommendations.

observations on adverse effects to beneficials have been made in the efficacy trials presented in this document. Detailed studies on the possible adverse effects to beneficial organisms are submitted and summarised in Part B, Section 9 (Ecotoxicology).

GF-3307 is currently authorised on wheat, rye and triticale at a higher dose rate of 2.0 L/ha. It is considered that the effects on the majority of beneficials assessed as part of the wheat, rye and triticale application are equally applicable to use on sugar beet. Moreover, information on beneficial organisms’ studies can be found in Part B Section 9 (“Ecotoxicological studies”) of the Registration Report.

No positive claims in relation to beneficials or IPM compatibility are specified on the label.

No observations on adverse effects to beneficials have been made in the efficacy trials presented in this document. Detailed studies on the possible adverse effects to beneficial organisms are submitted and summarised in Part B, Section 9 (Ecotoxicology).

GF-3307 is currently authorised on wheat, rye and triticale at a higher dose rate of 2.0 L/ha. It is considered that the effects on the majority of beneficials assessed as part of the wheat, rye and triticale application are equally applicable to use on sugar beet. Moreover, information on beneficial organisms’ studies can be found in Part B Section 9 (“Ecotoxicological studies”) of the Registration Report.

No positive claims in relation to beneficials or IPM compatibility are specified on the label.

It is considered that the use of GF-3307 as proposed will have no other undesirable or unintended side-effects on succeeding crops, adjacent crops or on beneficial and other non-target organism.

### **Summary and conclusions**

GF-3307 will provide a new solution for sugar beet growers in the central zone to control a broad spectrum of diseases and especially CERCBE, where the current chemical solutions are limited. It is considered these data support use on sugar beet/fodder beet at a maximum dose rate of 1.5 L/ha.

## **3.4 Methods of analysis (Part B, Section 5)**

### **3.4.1 Analytical method for the formulation**

#### Fenpicoxamid and prothioconazole

The formulation is analyzed using a reverse phase liquid chromatographic method using UV detection and internal standard calibration. The method is valid over a range of 0.253–0.960 mg/mL and 0.480–1.89 for fenpicoxamid and prothioconazole, respectively. The average recoveries for fenpicoxamid and prothioconazole over this range were 100% and 98%, respectively. The detector response was shown to be linear for fenpicoxamid, prothioconazole, and internal standard. Replicate analyses of GF-3307 formulation on two separate days gave a relative standard deviation of 0.34% at an average concentration

of 4.61% fenpicoxamid, and a relative standard deviation of 0.11% at an average concentration of 9.45% prothioconazole. The accuracy, precision and linearity of the method have been shown to be acceptable.

#### Desthio

The formulation is analyzed using a reverse phase liquid chromatographic method using MS detection with a five point calibration curve. The method is valid over a range of 0.0010 to 0.0069 wt% (10 to 69 ppm) desthio in GF-3307. The average recoveries for desthio over this range was 89.7%. The detector response was shown to be linear for desthio. Replicate analyses of GF-3307 formulation on two separate days gave a relative standard deviation of 3.72% at an average concentration of 0.0034% desthio on day 1 and a relative standard deviation of 5.66% at an average concentration of 0.0046% desthio on day 2. The accuracy, precision and linearity of the method have been shown to be acceptable.

#### Toluene

The formulation is analyzed using a reverse phase liquid chromatographic method using UV detection and internal standard calibration. The method is valid over a range of 0.00942 – 0.0588% for toluene. The average recovery for toluene over this range was 95.2%. The detector response was shown to be linear for toluene and internal standard. Replicate analyses of GF-3307 formulation on two separate days gave a relative standard deviation of 5.5% at an average concentration of 0.024% toluene. The accuracy, precision and linearity of the method have been shown to be acceptable.

### **3.4.2 Analytical methods for residues**

This application concerns the extension of the use of GC-3307 on sugar and fodder beet.

In accordance with the SANTE/2020/12830, Rev.2, 14. February 2023 sugar and fodder beets (roots and tops) belong to the analytical group of commodities with high water content. Applicant provided sufficient new pre-registration analytical methods for sugar beet.

In addition, Applicant provided new analytical methods for risk assessment and monitoring purposes. All methods are acceptable. The details of the evaluation of new and additional studies are referred in Appendix 2.

Several analytical methods for risk assessment and monitoring have been evaluated in the Registration Report, Part B5 for Queen (GF-3307, zRMS-PL, January 2023) or in the Registration Report, Part B5 for GF-3308 on 24.08.2022 and are still valid in the context of the extension of use assessment. The analytical methods are not being re-assessed in this application.

#### **Summary**

##### **Fenpicoxamid**

EFSA in EFSA Journal 2018;16(1):5146 concluded:

*“Fenpicoxamid residues and also its metabolite X642188 can be monitored in food and feed of plant origin by liquid chromatography with tandem mass spectrometry (LC–MS/MS) with limit of quantifications (LOQs) of 0.01 mg/kg in all plant commodity groups for each analyte. Monitoring residues of fenpicoxamid and metabolite X642188 in milk, meat, liver, fat and poultry egg can be performed using LC–MS/MS with LOQs of 0.01 mg/kg all matrices for both compounds. The residue definition for monitoring in soil and water was defined as fenpicoxamid and its metabolite X642188. Appropriate LC–MS/MS methods exist for monitoring fenpicoxamid and metabolite X642188 in soil and water with LOQs of 0.05 mg/kg and LOQs of 0.05 µg/L, respectively, for both analytes. Fenpicoxamid residues in air can be determined by LC–MS/MS with a LOQ of 1.39 µg/m<sup>3</sup>. Determination of residues of fenpicoxamid in urine and blood can be done by LC–MS/MS with a LOQ of 0.05 mg/L.”*

#### List of End-point (UK, 2017):

##### **Analytical methods for residues (Regulation (EU) N° 283/2013, Annex Part A, point 4.2 & point 7.4.2)**

##### **Residue definitions for monitoring purposes**

Food of plant origin

Food of animal origin

XDE-777

No residue definition is proposed.

Soil		XDE-777 and metabolite X642188
Sediment		No data has been provided by the applicant and therefore it is not possible to set residue definition for sediment.
Water	surface	XDE-777 and metabolite X642188
	drinking/ground	XDE-777 and metabolite X642188
Air		XDE-777
Body fluids and tissues		XDE-777

### Monitoring/Enforcement methods

Food/feed of plant origin (analytical technique and LOQ for methods for monitoring purposes)	LC/MS/MS (ESI+) LOQ = 0.01 mg/kg for XDE-777 and its metabolite X642188 in plants (rye, lettuce, lemon and oilseed rape).
	LC/MS/MS (ESI+) LOQ = 0.01 mg/kg for XDE-777 and its metabolite X642188 in plants and processed fractions (cereal grain and straw, lettuce, cabbage, orange, grapefruit, oil seed rape seed, olive, bran, flour, bread).
Food/feed of animal origin (analytical technique and LOQ for methods for monitoring purposes)	LC/MS/MS (ESI+) LOQ = 0.01 mg/kg for XDE-777 in animal (bovine milk, meat, liver and fat and poultry egg) LOQ = 0.01 mg/kg for the metabolite X642188 in animal (bovine milk, meat, liver and fat and poultry egg). LOQ = 0.01 mg/kg for the metabolite X12326349 in animal (bovine milk, liver and fat and poultry egg).
Soil (analytical technique and LOQ)	LC/MS/MS (ESI+) LOQ = 0.05 mg/kg for XDE-777 and its metabolite X642188 in the four types of soil and in one type of sediment
Water (analytical technique and LOQ)	LC/MS/MS (ESI+) LOQ = 0.05 µg/L for XDE-777 and its metabolite X642188 in surface, ground and drinking water.
Air (analytical technique and LOQ)	LC/MS/MS (ESI+) LOQ = 0.5 µg for XDE-777 equivalent to 1.39 µg/m <sup>3</sup> of ambient air and warm and humid air.
Body fluids and tissues (analytical technique and LOQ)	LC/MS/MS (ESI+) LOQ = 0.05 mg/L for XDE-777 in urine and blood

Applicant submitted several new methods used in support of ecotoxicology studies. An overview of these methods and their evaluations are presented in Appendix 2 of Part B5.

Sufficiently sensitive and selective analytical methods for post-authorization control and monitoring purposes are available for all analytes included in the residue definitions.

For body tissues, a method for the determination of XDE-777 in bovine milk, meat, liver and fat and poultry egg with LOQ=0.01 mg/kg is available. This is acceptable.

For body fluids, a new method for the determination of XDE-777 in urine with LOQ = 0.01 mg/L is available.

Additionally, the study concerning extraction efficiency, conducted with using 3 different solvent systems, was submitted in the framework of this application (Study No. S20-01536; DAS Study No. 200456; the study was evaluated in the Registration Report, Part B5 for GF-3308 on 24.08.2022).

This study has proven the satisfactory extraction efficiency of the extraction used in the analytical methods (MOR Method/ DAS #120615, MRM Method/DAS # 120998) for the quantitative determination of residues of XDE-777 when compared with the NOR Method/DAS #110334 for fenpicoxamid (XDE-777) in banana, barley grain and oilseed rape seed matrices.

The study is acceptable. Summary is presented in Appendix 2.

### Prothioconazole

The endpoints reported in EFSA Scientific Report (2007) 106 are still valid for the ongoing evaluations. However, taking into account conclusions EFSA regarding residue definitions presented in EFSA Journal 2020;18(2):5999, EFSA Journal 2014;12(5):3689 and EFSA Journal 2018;16(7):5376, based on



the metabolic pattern identified in metabolism studies, hydrolysis studies, the toxicological significance of metabolites and degradation products, the residue definitions for plant products were proposed as ‘prothioconazole-desthio (sum of isomers)’ for enforcement and, as follows, for the risk assessment:

- 1) sum of prothioconazole-desthio and all metabolites containing the 2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl-2H-1,2,4-triazole moiety, expressed as prothioconazole-desthio (sum of isomers)
- 2) Triazole alanine (TA) and triazole lactic acid (TLA)
- 3) Triazole acetic acid (TAA)
- 4) 1,2,4-triazole (1,2,4-T).

Since all compounds included in the residue definitions are a mixture of enantiomers and since there are no enantiospecific analytical methods, the residue definitions are expressed as “sum of isomers”.

Although the residue definition for risk assessment includes consideration of all metabolites containing a common moiety, it is not possible to develop a common moiety method to meet the residue definition for risk assessment. For this reason, all the analytes have to be determined separately. 6 analytes, representing the major portion of the TRR (Total Radioactive Residue) for prothioconazole in the plant metabolism studies, should be determined in residue trials. These are: prothioconazole-desthio, 3-hydroxy-prothioconazole-desthio, 4-hydroxy-prothioconazole-desthio, 5-hydroxy-prothioconazole-desthio, 6-hydroxy-prothioconazole-desthio and alpha-hydroxy-prothioconazole-desthio (including all their acid-hydrolysable conjugates).

The residue definition for enforcement in animal products was set as prothioconazole-desthio (sum of isomers) for all the livestock matrices (EFSA Journal 2014;12(5):3689).

For risk assessment, the residue was defined in all commodities of animal origin as the sum of prothioconazole-desthio and all metabolites containing the 2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl-2H-1,2,4-triazole moiety, expressed as prothioconazole-desthio (sum of isomers).

During the peer review under Directive 91/414/EEC, analytical methods were evaluated and validated for the determination of prothioconazole-desthio in plant matrices and in food of animal origin. The available analytical methods are not enantioselective, hence the sum of isomers will be analyzed (EFSA Journal 2014;12(5):3689).

In EFSA Scientific Report (2007) 106, 1-98, “Conclusion on the peer review of prothioconazole” it is stated that:

*„Methods are available to monitor all compounds given in the respective residue definition for food of plant origin, water, soil and air. Residues in food of plant origin can be determined with a multimethod (The German S19 method has been validated for prothioconazole-desthio). Only single methods are available to determine residues of prothioconazole-desthio, in products of animal origin and prothioconazole, prothioconazole-desthio in soil water and air. A method is not available to monitor the glucuronide conjugate in products of animal origin. Also if the active is classified as toxic then methods for body fluids and tissues would need to be considered.”*

EFSA Scientific Report (2007):

**Analytical methods for residues (Annex IIA, point 4.2)**

Food/feed of plant origin (principle of method and LOQ for methods for monitoring purposes)	Weeren, Pelz 2000 (GC-MS, JAU6476-desthio) LOQ Wheat, Barley (Forage, Straw): 0.05 mg/kg LOQ Wheat, Barley (Grain), Canola (Seed), Tomato, Orange (Fruit): 0.02 mg/kg
Food/feed of animal origin (principle of method and LOQ for methods for monitoring purposes)	Heinemann 2001b (HPLC-MS/MS, JAU6476-desthio, JAU6476-3 hydroxy-desthio, JAU6476-4-hydroxy-desthio) LOQ Milk: 0.004 mg/kg LOQ Meat, Liver, Kidney, Fat: 0.01 mg/kg Open: there is no method available for the glucuronide conjugate
Soil (principle of method and LOQ)	Schramel 2000 (HPLC-MS/MS, JAU6476, JAU6476-desthio, JAU6476-S-methyl*) * for monitoring not needed

	LOQ Soil: 0.006 mg/kg Add'l method: Steinhauer 2001 (GC-MS, JAU6476-desthio) LOQ Soil: 0.01 mg/kg
Water (principle of method and LOQ)	Sommer 2001b (HPLC-MS/MS, JAU6476, JAU6476-desthio) LOQ Surface and Drinking water: 0.1 µg/L for JAU6476 and 0.05 µg/L for JAU6476-desthio
Air (principle of method and LOQ)	Maasfeld 2002a (HPLC-MS/MS, JAU6476) LOQ Air: 0.015 mg/m <sup>3</sup> Additional method: Maasfeld 2002b (HPLC-MS/MS, JAU6476-desthio) LOQ Air: 0.0006 mg/m <sup>3</sup>
Body fluids and tissues (principle of method and LOQ)	Open, data will be required if ECB classify the active as toxic

According to the EFSA Journal 2014;12(5):3689:

**Methods for enforcement of residues in food of plant origin**

*During the peer review under Directive 91/414/EEC, an analytical method using GC-MS and its ILV were evaluated and validated for the determination of prothioconazole-desthio in plant matrices with an LOQ of 0.02 mg/kg in high water content (tomato), high oil content (rape seed), acidic (orange), dry (wheat grain) commodities and an LOQ of 0.05 mg/kg in straw. This method can be confirmed by an independent analytical method using HPLC-MS/MS fully validated for the determination of prothioconazole-desthio in high water content commodities and in straw with an LOQ of 0.05 mg/kg and in high oil content and in dry commodities with an LOQ of 0.01 mg/kg (United Kingdom, 2004). The analytical methods are not enantioselective, hence the sum of isomers will be analyzed.*

*The multi-residue QuEChERS method in combination with HPLC-MS/MS, as described by CEN (2008), is also available to analyse the prothioconazole-desthio in plant commodities. Nevertheless, the validation data reported are too limited to conclude on the validity of this analytical method (EURL, 2013).*

*Hence it is concluded that prothioconazole-desthio can be enforced in food of plant origin with an LOQ of 0.02 mg/kg in high oil content and dry commodities and an LOQ of 0.05 mg/kg in high water content commodities and in straw taking into account the highest LOQ of both methods.*

**Methods for enforcement of residues in food of animal origin**

*During the peer review under Directive 91/414/EEC, an analytical method using HPLC-MS/MS and its ILV were evaluated and validated for the determination of prothioconazole-desthio only in food of animal origin with an LOQ of 0.004 mg/kg in milk and an LOQ of 0.01 mg/kg in muscle, fat, liver and kidney (United Kingdom, 2004; EFSA, 2007b). Hence it is concluded that prothioconazole-desthio can be enforced in food of animal origin with an LOQ of 0.004 mg/kg in milk and an LOQ of 0.01 mg/kg in muscle, fat, liver and kidney. Nevertheless, prothioconazole-desthio cannot be enforced in eggs. Therefore, **a fully validated analytical method for the determination of prothioconazole-desthio in eggs is required.***

*The available analytical method is not enantioselective, hence the sum of isomers will be analyzed.*

The Applicant submitted a number of methods for analysis of residues of prothioconazole for the generation of pre-authorization data and methods for post-authorization control and monitoring purposes.

The details of the evaluation of new and additional studies are referred in Appendix 2.

**Note:**

- According to the EFSA Scientific Report (2007) 106, 1-98, Conclusion on the peer review of Prothioconazole, the point regarding analytical methods for body fluids and tissues for prothioconazole is open, data will be required if ECB classify the active substance as toxic.

The active substance prothioconazole was evaluated at the EU level according to the old data requirements. The Commission Regulation (EU) No 284/2013 is applicable now.

In Regulation (EU) No 283/2013 it is stated that "...methods, with a full description, shall be submitted for the analysis in body fluids and tissues for the active substance and relevant metabolites" and this is a new requirement of SANTE/2020/12830. According to the SANTE/2020/12830: "*Analytical methods for monitoring residues in body fluids and tissues are required for detection of active substances and/or metabolites in humans and animals after possible intoxications or for biomonitoring purposes, regardless of their toxicological classification.*"

Therefore, an analytical method for the residues of prothioconazole in body fluids and tissues is required.

A body fluids method for prothioconazole-desthio was submitted by Bayer and is being evaluated within the framework of the active substance renewal. The limit of quantification was established at 0.05 mg/L, expressed as prothioconazole-desthio, but according to the SANTE/2020/12830, Rev.1, 24. February 2021, the LOQ should be lower - 0.01 mg/L for body fluids and 0.01 mg/kg for body tissues.

The applicant provided the following information: "*Bayer is also planning on including prothioconazole in the method and lowering the LOQ for prothioconazole-desthio to 0.01 mg/L as part of the active substance renewal process.*"

In our opinion, it is necessary to supply the method for determining the residues of prothioconazole in body fluids with lower LOQ=0.01 mg/L at the renewal of the active substance and/or re-evaluation of plant production product.

- According to the conclusions presented in EFSA Journal 2014;12(5):3689, a fully validated analytical method for the determination of prothioconazole-desthio in eggs is required.

Applicant submitted the analytical method 01009 for the determination of JAU 6476-desthio, JAU 6476-3-hydroxy-desthio, JAU 6476-4-hydroxy-desthio, JAU 6476-3,4-dihydroxydesthio, and JAU 6476-4,5-dihydroxy-desthio in/on matrices of animal origin: milk, muscle, kidney, liver, fat and egg with LOQ 0.01 mg/kg. The BCS Analytical Method No. 010091 has been independently validated.

The details of the evaluation of new and additional studies are referred in Appendix 2 of Part B5. No additional data are required to support the intended uses for GF-3307.

Sufficiently sensitive and selective analytical methods are available for all analytes included in the residue definitions.

Noticed data gaps are:

an analytical method for the determination of prothioconazole in body fluids with lower LOQ=0.01 mg/L is required according to SANTE/2020/12830, Rev.2, 2023 and should be provided at the renewal of the active substance and/or re-evaluation of plant production product.

### 3.5 Mammalian toxicology (Part B, Section 6)

A summary of the toxicological evaluation for GF-3307 (S7K-3-3) is given in the following two tables. In vivo toxicology studies have been conducted using GF-3307 (S7K-3-3).

**Table 3.5-1: Summary of evaluation of the studies on acute toxicity including irritancy and skin sensitisation for GF-3307**

Type of test, species, model system (Guideline)	Result	Acceptability	Classification (acc. to the criteria in Reg. 1272/2008)	Reference
LD <sub>50</sub> oral, rat (OECD 423)	2000 – 5000 mg/kg bw	Yes	None	2021, 211324
LD <sub>50</sub> dermal, rat (OECD 402)	>2000 mg/kg bw	Yes	None	2021, 211323
LC <sub>50</sub> inhalation, rat (OECD 436)	>2.9 mg/L air	Yes	Category 4 H332 – Harmful if inhaled None	211432

Skin irritation, Dermal, Rabbit (OECD 404)	Mean Erythema	Yes	None	2021, 211322
Eye irritation, Eye, Rabbit (OECD 405)	Mean Redness	Yes	Category 2 H319 Causes serious eye irritation	2021, 211321
Skin sensitisation	Dermal non sensitiser	Yes	None	2021, 211320
Supplementary studies for combinations of plant protection products	No data – not required	Yes	--	--

**Table 3.5-2: Additional toxicological information relevant for classification/labelling of GF-3307**

	Substance (concentration in product, % w/w)	Classification of the substance (acc. to the criteria in Reg. 1272/2008)	Reference	Classification of product (acc. to the criteria in Reg. 1272/2008)
Toxicological properties of active substance(s) (relevant for classification of product)	Fenpicoxamid (50 g/L)	None	Fenpicoxamid: EFSA Journal 2018;16(1):5146	Hazard statement(s): Not applicable
Toxicological properties of active substance(s) (relevant for classification of product)	Prothioconazole	None	SANCO/3923 /07 - final 10 December 2007	Hazard statement(s): Not applicable
Toxicological properties of non-active substance(s) (relevant for classification of product)	See part C, point 1.3.2	See part C, point 1.3.2	See part C, point 1.3.2	See part C, point 1.3.2
Further toxicological information	No data – not required			

Based on the results from the *in vivo* acute toxicity studies outlined above, it can be concluded that GF-3307 (S7K-3-3) has low concern for acute oral, dermal and inhalation toxicity and is not a skin irritant or dermal sensitizer. Based on the results from the acute eye irritation study in the rabbit, there was evidence of eye irritation which resolved by day 14 in all rabbits. Therefore, proposed classification regarding acute toxicity endpoints is:

- Eye irritation: Cat 2 – H319
- **STOT SE Cat 3 – H335**
- ~~Acute inhalation toxicity: Cat 4 – H332~~

### 3.5.1 Operator exposure

Rev. 1.7 of the GD applies to applications for the approval or renewal of approval of active substances and the applications to authorise or renew authorisations for plant protection products submitted since 1st March 2017 as follows: Where necessary, an AAOEL should be proposed during the EU peer-review taking into account the Annex to the Commission guidance document.

For fenpicoxamid an AAOEL has been established during an EU-approval evaluation. Thus an acute non-dietary risk assessment is included in this submission.

For prothioconazole and prothioconazole-desthio no AAOEL has been established during an EU-approval or EU renewal evaluation. Thus, no acute non-dietary risk assessment is included in this submission for prothioconazole and its metabolite prothioconazole-desthio.

In August 2025, EFSA published the peer review conclusions (EFSA Journal. 2025;23:e9593), in which a lower AOEL value was proposed for prothioconazole and new AAOEL values were proposed for both prothioconazole and prothioconazole-desthio. These values are not yet formally adopted in the European Union. However, at the request of the zRMS (PL) (December 2025), updated exposure assessments are provided considering the new AAOEL values.

Operator exposure estimations conducted using the EFSA online OPEX calculator indicated that the acceptable operator exposure level (AOEL) and acute acceptable operator exposure level (AAOEL, where relevant) will not be exceeded under conditions of intended use and with the operator wearing normal work wear and no specialised PPE for mixing/loading and application procedures. Assuming normal workwear and no specialised PPE, the maximum predicted exposures were 4.7% of the AOEL and 8.2% of the AAOEL for fenpicoxamid, 3.1% of the AOEL for prothioconazole and 26% of the AOEL for prothioconazole-desthio. Estimations of exposure to prothioconazole-desthio were for a worst-case scenario of 100% conversion of prothioconazole to prothioconazole-desthio once the product was diluted with water.

**New:** Operator exposure estimations conducted using the EFSA online OPEX calculator ([https://r4eu.efsa.europa.eu/app/opex\\_v1.1.3](https://r4eu.efsa.europa.eu/app/opex_v1.1.3)) and considering the new (A)AOELs (EFSA, 2025) indicated that the AOELs and AAOELs will not be exceeded under conditions of intended use with 50% drift reduction technology, and with the operator wearing normal work wear and no specialised PPE for mixing/loading and application procedures. With these conditions, the maximum predicted exposures were 3.3%, 13.1% and 11.7% of the AOELs and 3.6%, 9.7% and 57.4% of the AAOELs for fenpicoxamid, prothioconazole and prothioconazole-desthio, respectively. Risk assessments have been performed for both the parent (prothioconazole) and metabolite (prothioconazole-desthio) with the exposure estimates for prothioconazole-desthio assuming a worst-case scenario of 100% conversion of prothioconazole to prothioconazole-desthio once the product was diluted with water.

### 3.5.2 Worker exposure

Worker exposure estimations conducted using the EFSA online OPEX calculator indicated that the acceptable exposure level (AOEL) will not be exceeded under conditions of intended use and with the worker wearing normal workwear and gloves for manual reaching, picking and removing bolting sugar beet tasks (gloves not required for inspection, irrigation tasks). The maximum predicted exposures were 6.8, 3.9 and 71.6% of the AOEL for fenpicoxamid, prothioconazole and prothioconazole-desthio, respectively, assuming normal workwear and gloves for manual reaching, picking activities. The maximum predicted exposures during bolting sugar beets were 5.0%, 2.9%, 53.1% of the AOEL for fenpicoxamid, prothioconazole and prothioconazole-desthio, respectively, assuming normal workwear and gloves. Estimations of exposure to prothioconazole-desthio were for a worst-case scenario of 100% conversion of prothioconazole to prothioconazole-desthio.

**New:** Worker exposure estimations conducted using the EFSA online OPEX calculator ([https://r4eu.efsa.europa.eu/app/opex\\_v1.1.3](https://r4eu.efsa.europa.eu/app/opex_v1.1.3)) and considering the new AOEL for prothioconazole (EFSA, 2025) indicated that the AOELs will not be exceeded under conditions of intended use and with the worker wearing normal workwear and gloves for manual reaching, picking and removing bolting sugar beet tasks (gloves not required for inspection, irrigation tasks). The maximum predicted exposures were 6.8%, 21.9% and 71.6% of the AOELs for fenpicoxamid, prothioconazole and prothioconazole-desthio, respectively, assuming normal workwear and gloves for manual reaching, picking activities. Estimations of exposure to prothioconazole-desthio were for a worst-case scenario of 100% conversion of prothioconazole to prothioconazole-desthio. Assessments for prothioconazole are provided for information only. This is because only prothioconazole or its metabolite, prothioconazole-desthio can be present at a time if 100% conversion is assumed. Due to its toxicological properties, the assessment for 100% conversion to prothioconazole-desthio results in the more critical assessment.

### 3.5.3 Bystander and resident exposure

Resident exposure estimations carried out using the EFSA Model indicated that the acceptable exposure level will not be exceeded under conditions of intended use. Using the EFSA Model, the highest estimated all pathways exposure for residents for fenpicoxamid and prothioconazole were 7.6% and 4% of the AOEL respectively.

The EFSA model was used in conjunction with experimental DFR data in the assessment of PTZ-des-thio. The highest estimated all pathways exposure was 73% of the AOEL.

Bystander exposure estimations carried out using the EFSA Model indicated that the acceptable exposure level for fenpicoxamid, will not be exceeded under conditions of intended use.

For fenpicoxamid the highest predicted bystander exposure using the EFSA Model was 1.9% of the AAOEL (spray drift, 95<sup>th</sup> percentile).

**New:** Resident and bystander exposure estimations conducted using the EFSA online OPEX calculator ([https://r4eu.efsa.europa.eu/app/opex\\_v1.1.3](https://r4eu.efsa.europa.eu/app/opex_v1.1.3)) and considering the new (A)AOELs (EFSA, 2025) indicated that the AOELs and AAOELs will not be exceeded under conditions of intended use. The presented estimations of resident and bystander exposure are for the intended uses with no drift reduction technology. The highest estimated all pathways (mean) exposure for residents was 7.6%, 22.1% and 73.0% of the AOEL for fenpicoxamid, prothioconazole and prothioconazole-desthio, respectively. The highest estimated exposure for bystanders was 1.9%, 4.3% and 78.3% of the AAOEL (drift, 95<sup>th</sup> percentile). Estimations of exposure to prothioconazole-desthio were for a worst-case scenario of 100% conversion of prothioconazole to prothioconazole-desthio once the product was diluted with water. Assessments for prothioconazole are provided for information only. This is because only prothioconazole or its metabolite, prothioconazole-desthio can be present at a time if 100% conversion is assumed. Due to its toxicological properties, the assessment for 100% conversion to prothioconazole-desthio results in the more critical assessment.

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

### 3.6.1 Residues

Sugar beet and fodder beet are the major crops in northern Europe (SANTE/2019/12752, Rev02). A minimum of eight trials are required.

#### Fenpicoxamid

The GAP proposed for GF-3307 (S7K-3-3) results in a total maximum application rate of 2 x 75 g ai/ha (21 days interval) with final application BBCH 49 (21 days PHI) for Fenpicoxamid (XDE-777) in sugar beet/fodder beet.

New magnitude of residue studies conducted with GF-3307 in support of the proposed GAP (see GAP table), are submitted in the frame of this submission (2 x 75g ai/ha, last application BBCH 49, 21 days PHI).

According to the available data, the intended use on Sugar Beet/Fodder Beet is considered acceptable, for outdoor uses.

The data set presented is considered acceptable since residues in RAC (roots) are < LOQ in all 4 trials.

The data submitted show that no exceedance of the MRL will occur and the intended uses are considered acceptable on Sugar Beet/Fodder Beet.

#### Prothioconazole

The GAP proposed for GF-3307 (S7K-3-3) results in a total maximum application rate of 2 x 150 g ai/ha (21 days interval) with final application at BBCH 49 for Prothioconazole in sugar beet/fodder beet. This

GAP is less critical than the one in which the EU MRL is based (2 x 150 g ai/ha, 21 days interval, final app at BBCH 49 and minimum 7 days PHI).

New magnitude of residue studies conducted with GF-3307 in support of the proposed GAP (see GAP table), are submitted in the frame of this submission.

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

The data set presented is considered acceptable. For NEU 13 trials have been presented. Available results show that the in force MRL of prothioconazole on sugar beet roots of 0.03 mg/kg (Reg EU 2024/1318) will not be exceeded.

Regarding TDMs, the results presented in EFSA 2023 were considered for livestock and consumer exposure.

### **Conclusion**

According to the available data, the intended use on sugar beet is considered acceptable, for outdoor uses. The data available are considered sufficient for risk assessment. An exceedance of the current MRL of 0.01 and 0.03 mg/kg for Fenpicoxamid (Reg (EU) 2023/1069) and Prothioconazole (Reg. (EU) 2024/1318) respectively is not expected.

### **3.6.2 Consumer exposure**

#### Fenpicoxamid

A long-term consumer intake concern was not identified for any of the European diets incorporated in the EFSA PRIMo rev. 3.1 model. The highest calculated chronic intake accounted for 3% of the ADI (NL toddler). Considering all diets, the contribution of residues in the crops under consideration to the total consumer exposure accounted individually for a maximum of 0.17% of the ADI (NL child) for sugar beet roots.

An acute consumer risk was not identified for the crops under consideration. The highest acute consumer exposure was calculated to be 0.06% of the ARfD for sugar beet (root) / sugar.

Therefore, the proposed uses of fenpicoxamid in the formulation GF-3307 (S7K-3-3) do not represent unacceptable acute and chronic risks for the consumer.

#### Prothioconazole

A long-term consumer intake concern was not identified for any of the European diets incorporated in the EFSA PRIMo rev. 3.1 model:

For (1) prothioconazole-desthio, the highest calculated chronic intake accounted for 17% of the ADI (NL toddler). Considering all diets, the contribution of residues in the crops under consideration to the total consumer exposure accounted individually for a maximum of 5.07% of the ADI (NL child) for sugar beet roots.

For (2) triazole derivative metabolites, the highest calculated chronic intakes accounted for 7.4% of the ADI for TA + TLA, 1.4% for TAA and 88% of the ADI for 1,2,4-T (NL toddler). Considering all diets, the contribution of residues in the crops under consideration to the total consumer exposure accounted individually for a maximum of 0.17%, 0.04% and 1.84% of the ADI (NL child) for TA + TLA, TAA and 1,2,4-T, respectively, for sugar beet.

An acute consumer risk was not identified for the crops under consideration.

For (1) prothioconazole-desthio, the highest acute consumer exposure was calculated to be 66% of the ARfD for sugar beet (root) / sugar.

For (2) triazole derivative metabolites, the highest acute consumer exposure was calculated to be 2.2%, 0.55% and 5.5% of the ARfD for TA + TLA, TAA and 1,2,4-T, respectively for sugar beet (root) / sugar.

Therefore, the proposed uses of prothioconazole in the formulation GF-3307 (S7K-3-3) do not represent unacceptable acute and chronic risks for the consumer.



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

#### **3.7.1 Predicted environmental concentrations in soil (PEC<sub>soil</sub>)**

Soil exposure for fenpicoxamid, prothioconazol and their relevant metabolites was calculated using approach described in respective FOCUS guidance for the intended uses of GF-3307 (S7K-3-3). For all compounds, EU agreed data were taken into account. Soil exposure for the formulated product was also calculated. Obtained PEC<sub>soil</sub> values were used in the risk assessment for soil organisms.

#### **3.7.2 Predicted environmental concentrations in groundwater (PEC<sub>gw</sub>)**

##### **Fenpicoxamid**

The leaching behaviour of fenpicoxamid and its metabolites: X642188, X696872, X12264475, X763024, X12313581, X696476, X11963422, X12314005, X12019520, X12255349 were assessed using FOCUS leaching models PEARL v5.5.5 and PELMO v6.6.4 and MACRO 5.5.4 on the basis of the EU agreed input parameters and intended use pattern of GF-3307 (S7K-3-3).

The maximum 80<sup>th</sup> percentile PEC<sub>gw</sub> values for fenpicoxamid and its metabolites: X642188, X696872, X12264475, X763024, X12313581, X696476, X11963422, X12314005, X12019520, X12255349 were <0.1 µg/L for all relevant Polish scenarios, no leaching is expected into groundwater of the active substance or its relevant metabolites when applied according to the recommended use patterns.

##### **Prothioconazole**

The leaching behaviour of prothioconazole and its metabolites: JAU 6476-S-methyl (M01), JAU 6476-desthio (M04) was assessed using FOCUS leaching models PEARL v5.5.5 and PELMO v6.6.4 and MACRO 5.5.4 on the basis of the EU agreed input parameters and intended use pattern of GF-3307 (S7K-3-3).

The maximum 80<sup>th</sup> percentile PEC<sub>gw</sub> values for prothioconazole and its metabolites: JAU 6476-S-methyl (M01), JAU 6476-desthio (M04) were <0.001 µg/L for all relevant Polish scenarios, no leaching is expected into groundwater of the active substance or its relevant metabolites when applied according to the recommended use patterns.

Overall, based on results of EU modelling performed, no unacceptable leaching of fenpicoxamid and prothioconazole and its metabolites is expected following application of GF-3307 (S7K-3-3) according to the use pattern intended in the Central Zone.

#### **3.7.3 Predicted environmental concentrations in surface water (PEC<sub>sw/sed</sub>)**

The surface water exposure for fenpicoxamid and prothioconazole and their relevant metabolites was estimated using the respective FOCUS models. EU agreed and intended use pattern of GF-3307 (S7K-3-3) were considered. The surface water exposure to the formulated product was calculated using Spray Drift Calculator. Obtained PEC<sub>sw</sub> values were used in the risk assessment for aquatic organisms.

#### **3.7.4 Predicted environmental concentrations in air (PEC<sub>air</sub>)**

##### **Fenpicoxamid**

The vapour pressure at 20°C of fenpicoxamid is <10<sup>-5</sup> Pa. Hence the active substance is regarded as non-volatile from both soil and plant surfaces. Therefore, assessment of exposure of adjacent surface waters and terrestrial ecosystems by fenpicoxamid due to volatilization and subsequent deposition is not required.

##### **Prothioconazole**

The vapour pressure at 20°C of prothioconazole is <10<sup>-5</sup> Pa. Hence the active substance is regarded as non-volatile from both soil and plant surfaces. Therefore, assessment of exposure of adjacent surface waters and terrestrial ecosystems by prothioconazole due to volatilization and subsequent deposition is not required.

### 3.8 Ecotoxicology (Part B, Section 9)

Acceptable risk is demonstrated for fenpicoxamid, prothioconazole, relevant metabolites, and GF-3307 (S7K-3-3) in sugarbeet at 1 to 2 applications of 1.5 L GF-3307/ha (75 g fenpicoxamid/ha + 150 g prothioconazole/ha) with a:

- 30 m no spray zone (NSZ) + 10 m Vegetative Filter Strip (VFS);
- 10 m NSZ + 10 m VFS + 75% drift reducing nozzles (DRN).

#### 3.8.1 Effects on terrestrial vertebrates

TER<sub>A</sub> and TER<sub>LT</sub> values are above the Annex VI trigger values, therefore, there is acceptable acute and chronic risk to birds from fenpicoxamid, prothioconazole, relevant metabolites, and GF-3307 (S7K-3-3). There is low risk to birds from drinking water or consuming contaminated prey items.

TER<sub>A</sub> and TER<sub>LT</sub> values are above the Annex VI trigger values, therefore, there is acceptable acute and chronic risk to mammals from fenpicoxamid, prothioconazole, relevant metabolites, and GF-3307 (S7K-3-3). There is low risk to mammals from drinking water or consuming contaminated prey items.

#### 3.8.2 Effects on aquatic species

Acceptable risk is demonstrated for fenpicoxamid, prothioconazole, relevant metabolites, and GF-3307 (S7K-3-3) in sugar beet at 2 applications of 1.5 L GF-3307/ha (2 x 75 g fenpicoxamid/ha + 2 x 150 g prothioconazole/ha) with a:

- 30 m no spray zone (NSZ) + 10 m Vegetative Filter Strip (VFS);
- 10 m NSZ + 10 m VFS + 75% drift reducing nozzles (DRN).

#### 3.8.3 Effects on bees

##### Acute assessment

The SANCO Q<sub>H</sub> values for fenpicoxamid, prothioconazole, relevant metabolites, and GF-3307 (S7K-3-3) in honeybee and bumble bee are below the Annex VI trigger of 50; therefore, the acute oral and contact risk to honeybees and bumble bees is acceptable. It should be noted that the risk performed in Core Dossier for ppp GF-3307 according EFSA GD for Bees 2013 based on acute studies for adult bees and larvae for formulation is not required yet for authorization of the product in Poland. The acute risk for bees for extended uses provided in the GAP is considered acceptable.

##### Chronic assessment

It should be noted that the chronic risk performed in Core Dossier for ppp GF-3307 according EFSA GD for Bees 2013 based on chronic studies for adult bees and larvae for formulation is not required yet for authorization of the product in Poland.

#### 3.8.4 Effects on other arthropod species other than bees

For fenpicoxamid, the tier 1 in- and off-field HQ values are below the Annex VI trigger of 2 for both indicator species, thus indicating that the active substance is of low risk to non-target arthropods at the maximum in-field application rate.

For prothioconazole, the tier 1 in-field HQ values are below the trigger of 2 for five of the six species tested, and the off-field HQ values are below the trigger of 2 for all six species tested. *A. rhopalosiphi* and *T. pyri* tier 2 in- and off-field HQ values are below the trigger of 1 indicating low risk to non-target arthropods in sugar beet/fodder beet at the proposed GAP.

Acceptable off-field risk is demonstrated for GF-3307 (S7K-3-3) when used according to proposed GAP. In-field risk to foliar-dwelling organisms (*Aphidius*, *Chrysoperla* and *Coccinella*) is acceptable 14 days post second application.

### **3.8.5 Effects on soil organisms**

TER<sub>A</sub> values for prothioconazole and relevant metabolites are above the Annex VI trigger value of 10 indicating there is low acute risk to earthworms. TER<sub>LT</sub> values for fenpicoxamid, prothioconazole, relevant metabolites, and GF-3307 (S7K-3-3) are above the Annex VI trigger value of 5 indicating there is acceptable chronic risk to earthworms, meso-, and macrofauna at the proposed GAP.

The maximum concentrations with less than 25% effects for fenpicoxamid, prothioconazole, relevant metabolites, and formulation are greater than their respective PEC<sub>soil</sub>. There will be no adverse effects to soil microflora when used at the proposed GAP.

### **3.8.6 Effects on non-target terrestrial plants**

It can be concluded that the risk to non-target plants from the application of GF-3307 (S7K-3-3) in sugar beet/fodder beet according to good agricultural practice is acceptable.

### **3.8.7 Effects on other terrestrial organisms (Flora and Fauna)**

The risk to other terrestrial vertebrate wildlife (birds, mammals, reptiles, and amphibians) are covered by the assessments conducted in Bobwhite quail, rats, and rabbits. No additional risk is anticipated.

## **3.9 Relevance of metabolites (Part B, Section 10)**

There are no metabolites of fenpicoxamid predicted to occur in groundwater at concentrations above 0.1 µg/L. Therefore, assessment of the relevance of these metabolites according to the stepwise procedure of the EC guidance document SANCO/221/2000 –rev.11 is not required.

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

The active substance fenpicoxamid is not a 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

The following claimed uses have not been accepted to be registered on the ground of article 33 of regulation 1107/2009:

1. Sugar beet (BEAVA): *Uromyces betae* (UROMBE).  
Justification: not supported by sufficient efficacy trials, no trials from North-East EPPO zone.  
Requirements: minimum 3 efficacy trials conducted in North-East EPPO zone (obligatory) and countries neighbouring to Poland (Czech Republic, Germany, Slovakia).  
Currently submitted data: 1 valid trial carried out in Germany.
2. Sugar beet (BEAVA): *Erysiphe betae* (ERYSBE).  
Justification: not supported by efficacy trials carried out in North-East EPPO zone.  
Requirements: Minimum 3 efficacy trials conducted in North-East EPPO zone (obligatory) and countries neighbouring to Poland (Czech Republic, Germany, Slovakia).  
Currently submitted data: 5 valid trials conducted in Germany.
3. Fodder beet (BEAVC): *Cercospora beticola* (CERCBE), *Uromyces betae* (UROMBE), *Erysiphe betae* (ERYSBE), *Ramularia beticola* (RAMUBE).  
Justification: not supported by any efficacy trials.  
Requirements:
  - 2 trials (the number of trials specified in the national extrapolation table), carried out ~~in North-East EPPO zone~~ in fodder beet to support the use: Fodder beet (BEAVC): *Cercospora beticola* (CERCBE). At least one of the two trials must be carried out in the EPPO N-E zone and the second may be carried out in a neighboring country: Czech Republic, Germany, Slovakia
  - Minimum 3 trials carried out in North-East EPPO zone (obligatory) and countries neighbouring to Poland (Czech Republic, Germany, Slovakia) in fodder beet to support the use: Fodder beet (BEAVC): *Uromyces betae* (UROMBE),
  - Minimum 3 trials carried out in North-East EPPO zone (obligatory) and countries neighbouring to Poland (Czech Republic, Germany, Slovakia) in fodder beet to support the use: Fodder beet (BEAVC): *Erysiphe betae* (ERYSBE),
  - Minimum 3 trials carried out in North-East EPPO zone (obligatory) and countries neighbouring to Poland (Czech Republic, Germany, Slovakia) in fodder beet to support the use: Fodder beet (BEAVC): *Ramularia beticola* (RAMUBE).

According to the updated extrapolation table (as of 26.02.2026) it is possible to extrapolate efficacy trial results for *Cercospora beticola* (CERCBE) and other beet diseases from sugar beet to fodder beet. 2 trials carried out in fodder beet for each use are required (provided that a complete set of trials for specific diseases in sugar beet is submitted) – requirement for a new use of a known mixture of two active substances. At least one of the two trials must be carried out in the EPPO N-E zone and the second may be carried out in a neighboring country: Czech Republic, Germany, Slovakia.

There is possible registration on the grounds of article 51 of regulation 1107/2009 (without efficacy trials) for the uses: Sugar beet (BEAVA): *Uromyces betae* (UROMBE); fodder beet (BEAVC): *Cercospora beticola* (CERCBE), *Uromyces betae* (UROMBE), *Erysiphe betae* (ERYSBE), *Ramularia beticola* (RAMUBE).

For the use: Sugar beet (BEAVA): *Erysiphe betae* (ERYSBE) a conditional approval is proposed,

subject to the submission of 1-2 trials carried out in North-East EPPO zone. The final decision on conditional approval is left at the Authority discretion.

Additional trials should be carried out in accordance with conditions of use contained in the GAP table, including range of dose rates, application timing, number of applications etc.

Analytical methods:

An analytical method for the determination of prothioconazole in body fluids with lower LOQ=0.01 mg/L is required according to SANTE/2020/12830, Rev.2, 2023 and should be provided at the renewal of the active substance and/or re-evaluation of plant production product.

## **Appendix 1    Copy of the product authorization**

## Appendix 2 Copy of the product label

### Komentarz oceniających:

Etykieta została sprawdzona w zakresie fizykochemii, metod analitycznych, pozostałości, toksykologii i istotności toksykologicznej metabolitów, losu i zachowania, ekotoksykologii oraz skuteczności. Zmiany wynikające z oceny wprowadzono do poniższej etykiety w widoczny sposób, poprzez zaznaczenie ich szarym kolorem, fragmenty usunięte zostały ~~przekreślone~~ i zaznaczone szarą czcionką. Zmiany wprowadzone przez wnioskodawcę względem pierwotnej etykiety, zaznaczono niebieską czcionką.

### Sekcja właściwości fizykochemiczne:

1. Środek nie wykazuje właściwości wybuchowych i utleniających, znakowanie środka wynikające z wyżej wymienionych właściwości fizykochemicznych zgodne z zapisami Rozporządzenia Parlamentu Europejskiego i Rady (WE) NR 1272/2008 z dnia 16 grudnia 2008r. nie jest wymagane.
2. Okres ważności: 2 lata w opakowaniach wykonanych z HDPE/PA, HDPE/F oraz ze stali na podstawie zaakceptowanych 2 letnich oraz 30-miesięcznych badań stabilności [FOR-14-37, Hofer, C; FOR-171251 Stoltz, V.]. W związku z powyższym wszystkie opakowania wymienione w punktach 2.1 dokumentu A i 4.1 Sekcji 1 można uznać za odpowiednie do celów transportu i magazynowania środka ochrony roślin.
3. Brak uwag do punktów dotyczących warunków przechowywania i bezpiecznego usuwania środka ochrony roślin i opakowania oraz sporządzania cieczy użytkowej.
4. Brak uwag do zapisu nazw grup chemicznych, do których przyporządkowano substancje czynne i ich zawartości (gęstość środka ochrony roślin 1.0389 g/mL zgodnie z danymi zawartymi w punkcie 2.6.1 Sekcji 1,2,4).
5. Zgodnie z informacjami zawartymi w punktach IIIA 2.9.1 i IIIA 2.9.2 Sekcji 1,2,4 Raportu Rejestracyjnego środek nie jest dedykowany do łącznego stosowania.

### Sekcja skuteczność:

1. W części STOSOWANIE ŚRODKA: na podstawie ważnych badań skuteczności:
  - uznano zastosowanie środka w ochronie buraka cukrowego w ochronie przed chwościkiem buraka i brunatną plamistością liści;
  - dopisano uwagę o średnim poziomie skuteczności środka w dawce 1,2 l/ha w ochronie przed chwościkiem buraka;
  - dla zastosowania burak cukrowy: brunatna plamistość liści, zgodnie z przeprowadzoną oceną zarekomendowano dawkę 1,5 l/ha oraz dopisano uwagę o średnim poziomie skuteczności;
  - dla zastosowań wnioskowanych w trybie art. 33 wykreślono uwagę o stosowaniu środka w dawce 1,5 l/ha w warunkach prognozowanej i/lub obserwowanej silnej presji sprawców chorób, a także w przypadku wystąpienia kompleksu chorób liści. Zgodnie z przeprowadzoną oceną, dawka 1,5 l/ha została uznana za dawkę o najwyższej skuteczności działania, jako minimalna skuteczna dawka, wykazująca najlepsze działanie w różnych warunkach presji infekcyjnej wszystkich testowanych patogenów i powinna być rekomendowana w pierwszej kolejności. Dawka 1,2 l/ha może być również zalecana, ale w warunkach niskiego nasilenia występowania chorób. W etykiecie dodano uwagę o stosowaniu środka w dawce 1,2 l/ha w warunkach prognozowanej i/lub obserwowanej niskiej presji sprawcy choroby;
  - z uwagi na niewystarczającą liczbę badań oraz brak badań wykonanych w strefie EPPO północno-wschodniej, wykreślono zastosowanie środka w ochronie buraka cukrowego przed rdzą buraka dla rejestracji w trybie art.33. Wymagania dla rejestracji środka w trybie art. 33 zostały opisane w punkcie 5 raportu rejestracyjnego, w części A. Dla powyższego zastosowania istnieje możliwość rejestracji w trybie artykułu 51. W propozycji etykiety środka dodano zastosowania możliwe do zarejestrowania w trybie art. 51;
  - z uwagi na brak badań wykonanych w strefie EPPO północno-wschodniej, ~~wykreślono zastosowanie środka w ochronie buraka cukrowego przed mączniakiem prawdziwym. Wymagania dla rejestracji środka w trybie art. 33 zostały opisane w punkcie 5 raportu rejestracyjnego w części A. dla powyższego zastosowania~~ **środek w ochronie buraka cukrowego przed mączniakiem prawdziwym** zaproponowano udzielenie warunkowego zezwolenia (**uprawa nie została wykreślona z projektu etykiety**). Warunki dla propozycji udzielenia zezwolenia opisano w punkcie 5 raportu rejestracyjnego, w części A;
  - z uwagi na brak badań wykonanych w buraku pastewnym, wykreślono tę uprawę z etykiety dla rejestracji w trybie art.33. Wymagania dla rejestracji środka w trybie art. 33 zostały opisane w punkcie 5 raportu rejestracyjnego, w części A. Istnieje możliwość rejestracji buraka pastewnego w trybie artykułu 51. W propozycji etykiety środka dodano zastosowania możliwe do zarejestrowania w trybie art. 51.

2. W części: POSTĘPOWANIE Z RESZTKAMI CIECZY UŻYTKOWEJ I MYCIE APARATURY: doprecyzowano zapis dotyczący mycia aparatury.

**Sekcja metody analityczne:**

1. Brak uwag.

**Sekcja toksykologia i istotność toksykologiczna metabolitów:**

1. Wnioskowane rozszerzenie stosowania (burak cukrowy, burak pastewny) nie wpływa na profil toksykologiczny środka ochrony roślin, klasyfikacja CLP pozostaje bez zmian.
2. W części dotyczącej środków ostrożności dla osób stosujących środek, pracowników oraz osób postronnych odpowiedni zapis dot. RMM pozostaje bez zmian i stanowi wypadkową klasyfikacji zagrożeń oraz szacowania NDE.
3. W części dotyczącej klasyfikacji zagrożeń (CLP) oraz w części „pierwsza pomoc” odpowiednie zwroty zostały zmodyfikowane zgodnie z zaakceptowanymi uwagami CMS.

**Sekcja pozostałości:**

1. Brak uwag do etykiety w zakresie pozostałości.

**Sekcja los i zachowanie w środowisku:**

1. Brak uwag do etykiety w zakresie losu i zachowania w środowisku.

**Sekcja ekotoksykologia:**

1. Wprowadzono dodatkowe alternatywne zarządzanie ryzykiem dla organizmów wodnych.
2. Wprowadzono dodatkowo zwrot P501.

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

## QUEEN

Środek przeznaczony do stosowania przez użytkowników profesjonalnych

Zawartość substancji czynnej:

fenpikoksamid - INATREQ™ (związek z grupy pikolinamidów) – 50 g/l (4,81 %)  
protiokonazol (związek z grupy triazoli) - 100 g/l (9,63 %)

Inne substancje stwarzające zagrożenie niebędące substancją czynną:

N-dimetyldekan-1-amidu, N, N-dimetyloktanamidu;  
cykloheksanon; Alkohole Etoksylowane, C12 do C15; 2-Etyloheksan-1-ol

**Zezwolenie MRiRW nr R -140/2023 z dnia 11 września 2023 r.  
ostatnio zmienione decyzją MRiRW nr R – xx/2025 z dnia xx.xx.2025r.**



Uwaga

H319

Działa drażniąco na oczy.

H332

Działa szkodliwie w następstwie wdychania.



H335	Może powodować podrażnienie dróg oddechowych
H410	Działa bardzo toksycznie na organizmy wodne, powodując długotrwałe skutki.
EUH401	W celu uniknięcia zagrożeń dla zdrowia ludzi i środowiska, należy postępować zgodnie z instrukcją użycia.
P261	Unikać wdychania rozpylonej cieczy.
P280	Stosować rękawice ochronne/ochronę oczu/ ochronę twarzy.
P304+P340	W PRZYPADKU DOSTANIA SIĘ DO DRÓG ODDECHOWYCH: Wyprowadzić lub wynieść poszkodowanego na świeże powietrze i zapewnić warunki do odpoczynku w pozycji umożliwiającej swobodne oddychanie.
P305+351+338	W PRZYPADKU DOSTANIA SIĘ DO OCZU: Ostrożnie płukać wodą przez kilka minut. Wyjąć soczewki kontaktowe, jeżeli są i można je łatwo usunąć. Nadal płukać.
P337+P313	W przypadku utrzymywania się działania drażniącego na oczy: Zasięgnąć porady/zgłosić się pod opiekę lekarza.
P312	W przypadku złego samopoczucia skontaktować się z OŚRODKIEM ZATRUĆ/lekarzem/...
P391	Zebrać wyciek.
P501	Zawartość/pojemnik usuwać do odpowiedniego miejsca utylizacji zgodnie z lokalnymi i krajowymi przepisami

## OPIS DZIAŁANIA

Fungicyd, w postaci koncentratu do sporządzania emulsji wodnej (EC) o działaniu układowym do stosowania zapobiegawczego oraz interwencyjnego w ochronie przed chorobami powodowanymi przez grzyby.

Opady deszczu występujące w godzinę po zabiegu nie mają wpływu na działanie środka.

Środek zawiera substancję czynną fenpikoksamid- INATREQ™ (wg klasyfikacji FRAC grupa 21) oraz protriokonazol (wg klasyfikacji FRAC grupa 3).

## STOSOWANIE ŚRODKA

Środek przeznaczony do stosowania przy użyciu samobieżnego lub ciągnikowego opryskiwacza polowego.

### Pszenica ozima

*Mączniak prawdziwy zbóż i traw, septorioza paskowana liści pszenicy.*

Maksymalna dawka dla jednorazowego zastosowania: 1,5 l/ha.

Zalecana dawka do jednorazowego stosowania: 1,0 - 1,5 l/ha.

*Brunatna plamistość liści, rdza brunatna pszenicy, rdza żółta zbóż i traw.*

Maksymalna dawka dla jednorazowego zastosowania: 1,5 l/ha.

Zalecana dawka do jednorazowego stosowania: 1,2-1,5 l/ha.

Środek w dawce 1,5 l/ha zaleca się stosować w warunkach prognozowanej i/lub obserwowanej silnej presji sprawców chorób, a także w przypadku wystąpienia całego kompleksu chorób liści.

Termin stosowania: środek stosować zapobiegawczo lub z chwilą wystąpienia pierwszych objawów chorób od początku fazy strzelania w źdźbło (początek wzrostu źdźbła) do fazy końca kwitnienia (BBCH 30 – 69).

Liczba zabiegów:1

### Fuzarioza kłosów

Maksymalna/zalecana dawka dla jednorazowego zastosowania: 1,5 l/ha.

Termin stosowania: środek stosować zapobiegawczo lub z chwilą wystąpienia pierwszych objawów choroby, od początku fazy kłoszenia do fazy końca kwitnienia (BBCH 51 – 69).

Liczba zabiegów:1

Zalecana ilość wody: 100-300 l/ha.  
Zalecane opryskiwanie: drobnokropliste.  
Maksymalna liczba zabiegów w sezonie wegetacyjnym: 1.

### **Pszenica jara**

*Mączniak prawdziwy zbóż i traw, septorioza paskowana liści pszenicy.*

Maksymalna dawka dla jednorazowego zastosowania: 1,5 l/ha.  
Zalecana dawka do jednorazowego stosowania: 1,0-1,5 l/ha.

*Brunatna plamistość liści, rdza żółta zbóż i traw.*

Maksymalna dawka dla jednorazowego zastosowania: 1,5 l/ha.  
Zalecana dawka do jednorazowego stosowania: 1,2-1,5 l/ha.

Środek w dawce 1,5 l/ha zaleca się stosować w warunkach prognozowanej i/lub obserwowanej silnej presji sprawców chorób, a także w przypadku wystąpienia całego kompleksu chorób liści.

Termin stosowania: środek zastosować zapobiegawczo lub z chwilą wystąpienia pierwszych objawów chorób, od początku fazy strzelania w źdźbło (początek wzrostu źdźbła) do fazy końca kwitnienia (BBCH 30–69).

Liczba zabiegów: 1.

Zalecana ilość wody: 100-300 l/ha.  
Zalecane opryskiwanie: drobnokropliste.  
Maksymalna liczba zabiegów w sezonie wegetacyjnym: 1.

### **Pszenżyto ozime**

*Mączniak prawdziwy zbóż i traw, rdza żółta zbóż i traw, septoriozy liści.*

Maksymalna dawka dla jednorazowego zastosowania: 1,5 l/ha.  
Zalecana dawka do jednorazowego stosowania: 1,2- 1,5 l/ha.

Środek w dawce 1,5 l/ha zaleca się stosować w warunkach prognozowanej i/lub obserwowanej silnej presji sprawców chorób, a także w przypadku wystąpienia kompleksu chorób liści.

Termin stosowania: środek zastosować zapobiegawczo lub z chwilą wystąpienia pierwszych objawów chorób, od początku fazy strzelania w źdźbło (początek wzrostu źdźbła) do fazy końca kwitnienia (BBCH 30 – 69).

Liczba zabiegów: 1.

Zalecana ilość wody: 100-300 l/ha.  
Zalecane opryskiwanie: drobnokropliste.  
Maksymalna liczba zabiegów w sezonie wegetacyjnym: 1.

### **Pszenżyto jare**

*Brunatna plamistość liści, rdza brunatna.*

Maksymalna dawka dla jednorazowego zastosowania: 1,5 l/ha.  
Zalecana dawka do jednorazowego stosowania: 1,2- 1,5 l/ha.

Środek w dawce 1,5 l/ha zaleca się stosować w warunkach prognozowanej i/lub obserwowanej silnej presji sprawców chorób, a także w przypadku wystąpienia kompleksu chorób liści.

Termin stosowania: środek zastosować zapobiegawczo lub z chwilą wystąpienia pierwszych objawów chorób, od początku fazy strzelania w źdźbło (początek wzrostu źdźbła) do fazy końca kwitnienia (BBCH 30–69).

Liczba zabiegów: 1

Zalecana ilość wody: 100-300 l/ha  
Zalecane opryskiwanie: drobnokropliste.  
Maksymalna liczba zabiegów w sezonie wegetacyjnym: 1

### **Żyto ozime**

*Rdza brunatna żyta, rynchosporioza zbóż.*

Maksymalna dawka dla jednorazowego zastosowania: 1,5 l/ha

Zalecana dawka do jednorazowego stosowania: 1,2- 1,5 l/ha

Środek w dawce 1,5 l/ha zaleca się stosować w warunkach prognozowanej i/lub obserwowanej silnej presji sprawców chorób, a także w przypadku wystąpienia kompleksu chorób liści.

Termin stosowania: środek zastosować zapobiegawczo lub z chwilą wystąpienia pierwszych objawów chorób, od początku fazy strzelania w źdźbło (początek wzrostu źdźbła) do fazy końca kwitnienia (BBCH 30 – 69).

Liczba zabiegów: 1.

Zalecana ilość wody: 100-300 l/ha.

Zalecane opryskiwanie: drobnokropliste.

Maksymalna liczba zabiegów w sezonie wegetacyjnym: 1.

### **Burak cukrowy, ~~Burak pastewny~~**

*Chwościk buraka, ~~rdza buraka~~, mączniak prawdziwy, ~~brunatna plamistość liści buraka~~.*

Maksymalna dawka dla jednorazowego zastosowania: 1,5 l/ha

Zalecana dawka do jednorazowego stosowania: 1,2 - 1,5 l/ha

#### **Uwagi:**

- środek w dawce 1,2 l/ha wykazuje średni poziom skuteczności w ochronie przed chwościkiem buraka,
- środek w dawce 1,2 l/ha stosować w warunkach prognozowanej i/lub obserwowanej niskiej presji sprawcy choroby

*Brunatna plamistość liści buraka (średni poziom skuteczności)*

Maksymalna dawka dla jednorazowego zastosowania: 1,5 l/ha

Zalecana dawka do jednorazowego stosowania: 1,5 l/ha

~~Środek w dawce 1,5 l/ha zaleca się stosować w warunkach prognozowanej i/lub obserwowanej silnej presji sprawców chorób, a także w przypadku wystąpienia kompleksu chorób liści.~~

Termin stosowania: środek zastosować zapobiegawczo lub z chwilą wystąpienia pierwszych objawów chorób, od początku fazy całkowitego zakrycia międzyrzędzi - liście pokrywają 90% powierzchni gleby (BBCH 39), do fazy gdy korzeń osiąga wielkość wymaganą do zbioru (BBCH 49).

Zalecana ilość wody: 150-300 l/ha.

Zalecane opryskiwanie: drobnokropliste.

Minimalny odstęp między zabiegami: 21 dni.

Maksymalna liczba zabiegów w sezonie wegetacyjnym: 2.

## **STOSOWANIE ŚRODKA OCHRONY ROŚLIN W UPRAWACH I ZASTOSOWANIACH MAŁOBSZAROWYCH**

**Odpowiedzialność za skuteczność działania i fitotoksyczność środka ochrony roślin  
stosowanego w uprawach małoobszarowych ponosi wyłącznie jego użytkownik**

### **Burak cukrowy**

*Rdza buraka*

Maksymalna dawka dla jednorazowego zastosowania: 1,5 l/ha

Zalecana dawka do jednorazowego stosowania: 1,2 - 1,5 l/ha

Termin stosowania: środek zastosować zapobiegawczo lub z chwilą wystąpienia pierwszych objawów chorób, od początku fazy całkowitego zakrycia międzyrzędzi - liście pokrywają 90% powierzchni gleby (BBCH 39), do fazy gdy korzeń osiąga wielkość wymaganą do zbioru (BBCH 49).

Zalecana ilość wody: 150-300 l/ha.

Zalecane opryskiwanie: drobnokropliste.

Minimalny odstęp między zabiegami: 21 dni.

Maksymalna liczba zabiegów w sezonie wegetacyjnym: 2.

Środek w dawce 1,5 l/ha zaleca się stosować w warunkach prognozowanej i/lub obserwowanej silnej presji sprawcy choroby

### **Burak pastewny**

*Chwościk buraka, rdza buraka, mączniak prawdziwy, brunatna plamistość liści buraka.*

Maksymalna dawka dla jednorazowego zastosowania: 1,5 l/ha

Zalecana dawka do jednorazowego stosowania: 1,2 - 1,5 l/ha

Środek w dawce 1,5 l/ha zaleca się stosować w warunkach prognozowanej i/lub obserwowanej silnej presji sprawców chorób, a także w przypadku wystąpienia kompleksu chorób liści.

Termin stosowania: środek zastosować zapobiegawczo lub z chwilą wystąpienia pierwszych objawów chorób, od początku fazy całkowitego zakrycia międzyrzędzi - liście pokrywają 90% powierzchni gleby (BBCH 39), do fazy gdy korzeń osiąga wielkość wymaganą do zbioru (BBCH 49).

Zalecana ilość wody: 150-300 l/ha.

Zalecane opryskiwanie: drobnokropliste.

Minimalny odstęp między zabiegami: 21 dni.

Maksymalna liczba zabiegów w sezonie wegetacyjnym: 2.

## **ŚRODKI OSTROŻNOŚCI ORAZ SZCZEGÓLNE WARUNKI STOSOWANIA**

Warunkiem skuteczności zabiegu jest dokładne pokrycie roślin cieczą użytkową.

Ciecz roboczą należy niezwłocznie zużyć, nie pozostawiać niewykorzystanej cieczy roboczej w zbiorniku opryskiwacza.

Opady deszczu występujące w godzinę po zabiegu nie mają wpływu na działanie środka.

Podczas zabiegu nie dopuścić do znoszenia cieczy użytkowej na tereny sąsiadujące z chronioną uprawą. Szczególną ostrożność należy zachować, gdy na przyległych polach uprawiane są: słonecznik, pomidor lub ogórek.

Środek zawiera dwie substancje czynne o różnych mechanizmach działania: fenpikoksamid- INATREQ™, związek z grupy pikolinamidów (inhibitor oddychania na poziomie komórkowym - fungicydy Qil, wg klasyfikacji FRAC grupa 21) i protiokonazol, związek z grupy triazoli (fungicydy inhibitory biosyntezy steroli - inhibitory demetylacji, SBI I – DMI, wg klasyfikacji FRAC grupa 3).

Wielokrotne stosowanie środków grzybobójczych zawierających substancje czynne o tym samym mechanizmie działania może przyczynić się do wyselekcjonowania w populacji sprawcy choroby form odpornych i w konsekwencji do obniżenia skuteczności zabiegów z tego też względu w ramach strategii przeciwdziałania rozwojowi odporności w populacjach sprawców chorób zaleca się m.in.:

- stosować się do zaleceń integrowanej ochrony roślin, włączając przemienne stosowanie środków grzybobójczych, zawierających substancje czynne z innych grup wg klasyfikacji FRAC, o odmiennym mechanizmie działania,
- w miarę możliwości środek Queen stosować w mieszaninach zbiornikowych ze środkami grzybobójczymi, zawierającymi substancje czynne o innych mechanizmach działania niż protiokonazol i fenpikoksamid- INATREQ™, w takich przypadkach należy przestrzegać zaleceń z etykiet wszystkich środków będących składnikami mieszaniny zbiornikowej,
- środek stosować głównie zapobiegawczo, przestrzegając zalecanych dawek i terminów aplikacji,

- środek stosować wyłącznie do ochrony przed chorobami wymienionymi na etykiecie,
- nie przekraczać dopuszczalnej liczby zabiegów środkiem Queen w sezonie wegetacyjnym. Wykorzystywać w ochronie zbóż, buraka cukrowego i pastewnego przed chorobami grzybowymi inne niż chemiczne metody, zgodne z zaleceniami integrowanej ochrony, w tym uprawę odmian odpornych lub mniej podatnych, co może przyczyniać się do obniżenia nasilenia i tempa rozwoju infekcji i do ograniczenia ekspozycji populacji patogenu na zabiegi chemiczne, a tym samym spowolnić selekcję form mniej wrażliwych lub odpornych na zastosowane substancje grzybobójcze,
- sprawdzać aktualne zalecenia dotyczące zarządzania odpornością dla środków grzybobójczych przeznaczonych do stosowania w ochronie zbóż, buraka cukrowego i pastewnego.

## OKRESY KARENCJI

Okres od ostatniego zastosowania środka do dnia zbioru rośliny uprawnej (okres karencji):

Zboża : Nie dotyczy.

Burak Cukrowy, Burak Pastewny: 21 dni

## NASTĘPSTWO ROŚLIN

Po zbiorze zbóż, buraka cukrowego lub pastewnego, chronionych środkiem Queen można uprawiać wszystkie rośliny przewidziane w normalnym zmianowaniu.

Ze względu jednak na możliwość wystąpienia uszkodzeń liści i zahamowania wzrostu roślin życie trwałą można wysiewać na stanowisku, na którym wcześniej zastosowano środek Queen najwcześniej po 3 tygodniach od daty wykonania zabiegu.

## 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.

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.**

## POSTĘPOWANIE Z RESZTKAMI CIECZY UŻYTKOWEJ I MYCIE APARATURY

Po pracy aparaturę dokładnie wmyć, postępując zgodnie z zasadami dobrej praktyki ochrony roślin.

Resztki cieczy użytkowej 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 każdego dnia opryskiwacz powinien być dokładnie wmyty wodą z detergentem a filtry i dysze sprawdzone pod kątem zużycia/ uszkodzenia oraz ich zanieczyszczenia.

Z wodą użytą do mycia aparatury należy postąpić tak, jak z resztkami cieczy użytkowej, stosując te same środki ochrony osobistej.

## **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.

Unikać zanieczyszczenia skóry.

Stosować rękawice ochronne, ochronę oczu i twarzy, ochronę dróg oddechowych 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**

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.

Unikać niezgodnego z przeznaczeniem uwalniania do środowiska.

W celu ochrony organizmów wodnych konieczne jest wyznaczenie zadarnionej strefy ochronnej o szerokości 10 m od zbiorników i cieków wodnych z równoczesnym zastosowaniem technik redukujących znoszenie cieczy użytkowej podczas zabiegu o 75% lub zastosowanie strefy ochronnej o szerokości 30 m w tym 10 m strefy zadarnionej strefy, od zbiorników i cieków wodnych.

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

## **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.

## **PIERWSZA POMOC**

Antidotum: brak, stosować leczenie objawowe.

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

W przypadku narażenia lub stycznosci: Zasięgnąć porady/zgłosić się pod opiekę lekarza.

~~W przypadku dostania się do dróg oddechowych: Wyprowadzić lub wynieść poszkodowanego na świeże powietrze i zapewnić warunki do odpoczynku w pozycji umożliwiającej swobodne oddychanie.~~

~~W przypadku dostania się do oczu: Ostrożnie płukać wodą przez kilka minut. Wyjąć soczewki kontaktowe, jeżeli są i można je łatwo usunąć. Nadal płukać.~~

W przypadku utrzymywania się działania drażniącego na oczy: Zasięgnąć porady/zgłosić się pod opiekę lekarza.

Okres ważności - 2 lata

Data produkcji - .....

Zawartość netto - .....

Nr partii - .....

## **Appendix 3 Letter of Access**

The letter of access is confidential information and it has been submitted separately.



## Appendix 4 Lists of data considered for national authorization

### 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
KCP 2.1 2.3.1 2.4.2 2.5.1 2.6.1	Moe, T., Julien, T.	2016	Determination of Color, Physical State, Odor, Oxidizing and Reducing Action, Flammability, pH, Viscosity, and Density of GF-3307, an End Use Product Containing DE-777 and Prothioconazole FAPC-G-15-36 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 2.2.1 2.2.2 2.3.3 2.5.2	Dunning, J.	2016	Determination of Surface Tension, Explosive Properties, Auto-Ignition, Temperature (liquids and gases) and Oxidising Properties (liquids) of GF-3307 NAFST-15-159 Envigo CRS Ltd. GLP Not Published	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 2.4.1 2.7.1 2.7.4	Hofer, C.	2015	GF-3307 Two Week 54°C Accelerated Storage Stability and One Week 0°C Low Temperature Stability FOR-14-35 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 2.7.2	Hofer, C.	2015	GF-3307 Eight Week 40°C Accelerated Storage Stability in F-HDPE and COEX Bottles and Steel Drums FOR-14-36 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience

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 2.7.5 2.8.2 2.8.6.1 2.8.6.2 2.8.6.3 4.4	Hofer, C.	2017	Two Year Ambient Storage Stability of GF-3307 in COEX and F-HDPE Bottles and Steel Drums FOR-14-37 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 2.8.6.2	Stoltz, V.	2018	GF-3307 and GF-3308 Two Week 54°C Accelerated Storage Stability and One Week 0°C Low Temperature Stability: Emulsion Stability DAS Report No.: FOR-180883 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 2.7.5	Stoltz, G.	2018	30 Month Ambient Storage Stability of GF-3307 in COEX and F-HDPE Bottles and Steel Drums FOR-171251 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 2.11 4.2	Topham, D.	2016	Dow AgroSciences Clean Out Report for Fungicides: GF-2925, GF-3307, GF-3308, GF-3309, GF-3312 - Low Temperature Stability: Emulsion Stability DAS Report No.: LES 10126 Amega Sciences Non GLP Not Published	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP-6.2 KCP-6.4.1 #1	Zotter, C.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets Staphyt, Austria, Report No. CH3-23-106294-01-AT01 Report No. AT23E7B029-FSA05C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

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KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #2	Daňa, P.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023. Zemědělská zkušební stanice KUJAVY, s.r.o., Czech Republic, Report No. CZ23E7B029-PVL014C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 KCP 6.4.3 #3	Jørgensen, L.N.	2020	Efficacy and dose response of XDE 481 EC (GF 4480) and SC (GF 4505 + GF 4493) on Cercospora beticola and other key diseases in sugar beet. EU 2020 Aarhus University, Denmark, Report No. EA20F9B001F-DHW005 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 KCP 6.4.3 #4	Jørgensen, L.N.	2020	Efficacy and dose response of XDE 481 EC (GF 4480) and SC (GF 4505 + GF 4493) on Cercospora beticola and other key diseases in sugar beet. EU 2020 Aarhus University, Denmark, Report No. Report No. EA20F9B001F-DHW006 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 6.1 KCP 6.2 KCP 6.4.1 #5	Nistrup Jørgensen, L.	2022	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe Aarhus University, Denmark, Report No. 22392-1 Report No. DK22E7B026-KFB06C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #6	Hansen, A-L.	2022	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe Nordic Beet Research, Rohrau, Denmark Report No. DK22E7B026-KFB07C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #7	Kemezys, A-H.	2023	Performance of GF-3307 on pathogen complex (UROMBE, ERYSB, RAMUBE, CERCBE) in sugar beets, Europe 2023. Nordic Beet Research, Rohrau, Denmark, Report No. 481 2023 838 Report No. DK23E7B037-KFB05C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #8	Kemezys, A-H.	2023	Performance of GF-3307 on pathogen complex (UROMBE, ERYSB, RAMUBE, CERCBE) in sugar beets, Europe 2023. Nordic Beet Research, Rohrau, Denmark Report No. DK23E7B037-KFB06C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

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 6.2 KCP 6.4.1 #9	Chambon, J.	2020	Efficacy and dose response of XDE 481 EC (GF 4480) and SC (GF 4505 + GF 4493) on <i>Cercospora beticola</i> and other key diseases in sugar beet. EU 2020 Cerestis, Report No. EA20F9B001F-DDB015 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 #10	Lombart, L.	2020	Efficacy and dose response of XDE 481 EC (GF 4480) and SC (GF 4505 + GF 4493) on <i>Cercospora beticola</i> and other key diseases in sugar beet. EU 2020 Ephydia, Report No. EA20F9B001F-DDB016 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 #11	Rouane, W.	2020	Efficacy and dose response of XDE 481 EC (GF 4480) and SC (GF 4505 + GF 4493) on <i>Cercospora beticola</i> and other key diseases in sugar beet. EU 2020 Anadiag, Report No. EA20F9B001F-DDB017 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 #12	Chambon, J.	2021	Efficacy of mixtures of Adavelt (GF 3840) + Score (difenoconazole) at 1:1.33 ratio for control CERCBE on sugar beet, Europe 2021. Cerestis, Report No. EA21G1C011F-DBW006 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #13	Lefranc, M. Vinet, C.	2022	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets. France, EPPO MAR ANTEDIS, Report No. FR22E7B026-MBC01C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 6.1 KCP 6.2 KCP 6.4.1 #14	Deruy, M.	2022	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2022. Essais+, Report No. FR22E7B025-MBC05C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #15	Chambon, J.	2022	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2022. Cerestis, Report No. FR22E7B025-MBC07C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #16	Deruy, M.	2022	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2022. Essais+, Report No. FR22E7B026-MBC03C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #17	Wönckhaus, S.	2020	Efficacy of Inatreq (Fenpicoxami) applied straight and in tank mix with Difenconazole for control of CERCBE on sugar beet in Germany, 2020. Agrartest GmbH, Germany Report No. EA20E7B095F-DNZ091 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 6.1 KCP 6.2 KCP 6.4.1 #18	Wönckhaus, S.	2020	Efficacy of Inatreq (Fenpicoxami) applied straight and in tank mix with Difenoconazole for control of CERCBE on sugar beet in Germany, 2020. Agrartest GmbH, Germany Report No. EA20E7B095F-DNZ093 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #19	Wönckhaus, S.	2020	Efficacy of Inatreq (Fenpicoxami) applied straight and in tank mix with Difenoconazole for control of CERCBE on sugar beet in Europe, 2020 Agrartest GmbH, Germany Report No. EA20E7B016F-DNZ062 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 #20	Wönckhaus, S.	2020	Efficacy of Adavelt (GF-3840) applied straight and in tank mix with Difenoconazole for control of CERCBE on sugar beet in Europe, 2020 Agrartest GmbH, Germany Report No. EA20G1C011F-DNZ010 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 #21	Wönckhaus, S.	2021	Efficacy of mixtures of Adavelt (GF-3840) +Score (difenoconazole) at 1:1.33 ratio for control CERCBE on sugar beet, Europe 2021. Agrartest GmbH, Germany Report No. EA21G1C011F-DNZ012 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 6.1 KCP 6.2 KCP 6.4.1 #22	Rohr, J.	2022	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2022. Trialtec GmbH, Germany Report No. DE22E7B025-FSA01C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #23	Rohr, J.	2022	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2022. Trialtec GmbH, Germany Report No. DE22E7B025-FSA02C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #24	Wolf, P.	2022	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2022 Agricola, Germany, Report No. DE22E7B025-FSA03C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 #25	Wolf, P.	2022	Performance of GF-3307 and Copper based products on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2022 Agricola, Germany, Report No. DE22E7B073-FSA01C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience



<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 6.2 KCP 6.4.1 #26	Korporal, H.	2022	Performance of GF-3307 and Copper based products on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2022. Trialtec GmbH, Germany, Report No. DE22E7B073-FSA02C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #27	Wönckhaus, S.	2022	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2022. Eurofins Agrartest GmbH, Germany, Report No. DE22E7B025-FSA04C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #28	Rohr, J.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023. Trialtec GmbH, Germany, Report No. DE23E7B029-FSA03C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #29	Wolf, P.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023. Agricola, Germany, Report No. DE23E7B029-FSA04C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 #30	Wolf, P.	2023	Impact of copper on the performance of GF-3307 on CERCBE in sugar beets, Europe/Germany 2023 Agricola, Germany Report No. DE23E7B030-FSA01C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 #31	Wönckhaus, S.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023 Eurofins Agrartest GmbH, Germany Report No. DE23E7B029-FSA06C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 #32	Armstrong, A.	2020	Efficacy and dose response of XDE-481 EC (GF-4480) and SC (GF-4505 + GF-4493) on Cercospora beticola and other key diseases in sugar beet. EU 2020 Armstrong Fisher Ltd, United Kingdom Report No. EA20F9B001F-DEH010 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

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<del>KCP-6.2 KCP-6.4.1 #33</del>	<del>Armstrong, A.</del>	<del>2020</del>	<del>Efficacy and dose response of XDE 481 EC (GF 4480) and SC (GF 4505 + GF 4493) on Cercospora beticola and other key diseases in sugar beet. EU 2020 Armstrong Fisher Ltd, United Kingdom Report No. EA20F9B001F-DEH011 Corteva Agriscience GEP Unpublished</del>	<del>N</del>	<del>Y</del>	<del>Data/study report never submitted before to Poland</del>	<del>Corteva Agriscience</del>
<del>KCP-6.2 KCP-6.4.1 #34</del>	<del>Good, R.</del>	<del>2022</del>	<del>Performance of GF 3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2022. FieldArm Limited, United Kingdom, Report No. F22062-T1 Report No. GB22E7B026-GKA05C Corteva Agriscience GEP Unpublished</del>	<del>N</del>	<del>Y</del>	<del>Data/study report never submitted before to Poland</del>	<del>Corteva Agriscience</del>

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 6.1 KCP 6.2 KCP 6.4.1 #35	Haigh, I.	2023	Performance of GF-3307 on pathogen complex (UROMBE, ERYSB, RAMUBE, CERCBE) in sugar beets, Europe 2023. FieldArm Ltd, United Kingdom Report No. GB23E7B037-MAF02C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #36	Armstrong, A.	2023	Performance of GF-3307 on pathogen complex (UROMBE, ERYSB, RAMUBE, CERCBE) in sugar beets, Europe 2023. Armstrong Agriculture Ltd, United Kingdom Report No. GB23E7B037-MAF01C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #37	Armstrong, A.	2023	Performance of GF-3307 on pathogen complex (UROMBE, ERYSB, RAMUBE, CERCBE) in sugar beets, Europe 2023. Armstrong Agriculture Ltd, United Kingdom Report No. GB23E7B037-MAF03C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #38	Haigh, I	2023	Performance of GF-3307 on pathogen complex (UROMBE, ERYSB, RAMUBE, CERCBE) in sugar beets, Europe 2023. FieldArm Ltd, United Kingdom Report No. GB23E7B037-MAF04C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 6.1 KCP 6.2 KCP 6.4.1 #39	Semaškienė, R.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023. Lithuanian research centre for agriculture and forestry, Lithuania Report No. LT23E7B029-KFB12C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #40	Semaškienė, R.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023. Lithuanian research centre for agriculture and forestry, Lithuania Report No. LT23E7B029-KFB13C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 KCP 6.4.3 #41	Umiński, P.	2020	Efficacy of Adavelt (GF-3840) applied straight and in tank mix with Difenconazole for control of CERCBE on sugar beet in Europe, 2020. Dow AgroSciences, Poland Report No. EA20G1C011F-PLY053 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 #42	Tomczak, B.	2020	Efficacy and dose response of XDE-481 EC (GF-4480) and SC (GF-4505 + GF-4493) on Cercospora beticola and other key diseases in sugar beet Dow AgroSciences, Poland Report No. EA20F9B001F-PLY008 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 6.2 KCP 6.4.1 #43	Umiński, P.	2021	Efficacy of mixtures of Adavelt (GF-3840) + Score (difenoconazole) at 1:1.33 ratio for control CERCBE on sugar beet, Europe 2021. Field Research Support, Poland Report No. EA21G1C011F-PLY001 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #44	Umiński, P.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023. Field Research Support, Poland Report No. PL23E7B029-LMA09C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #45	Luboiński, A.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023 Corteva Agriscience Poland Sp. z o. o., Poland Report No. PL23E7B029-LMA07 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #46	Rezmierska-Piętka, J.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023. PerfectBAD, Poland Report No. PL23E7B029-LMA08C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

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 6.2 KCP 6.4.1 #47	Perényi, J.	2020	Efficacy of Adavolt (GF 3840) applied straight and in tank mix with Difenconazole for control of CERCBE on sugar beet in Europe, 2020 Dow AgroSciences, Hungary Report No. EA20G1C011F-EAN014 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.2 KCP 6.4.1 #48	Perényi, J.	2020	Efficacy of Adavolt (GF 3840) applied straight and in tank mix with Difenconazole for control of CERCBE on sugar beet in Europe, 2020 Dow AgroSciences, Hungary Report No. EA20G1C011F-EAN015 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #49	Kukorelli, G.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023. AGROPASS Hungária Kft., Hungary Report No. HU23E7B038-ZBA01C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #50	Boldizsár, Z.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023. Corteva Crop Solutions HUN Kft., Hungary Report No. HU23E7B038-ZBA02 Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

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 6.1 KCP 6.2 KCP 6.4.1 #51	Makó, I.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023 CPR Europe Kft., Hungary Report No. HU23E7B038-ZBA03C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #52	Varga, A.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023 CPR Europe Kft., Hungary Report No. HU23E7B038-ZBA04C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
<del>KCP 6.2 KCP 6.4.1 #53</del>	<del>Lunca, A.M.</del>	<del>2020</del>	<del>Efficacy and dose response of XDE 481 EC (GF 4480) and SC (GF 4505 + GF 4493) on Cercospora beticola and other key diseases in sugar beet. EU 2020 Eurofins Agroscience Services S.R.L., Romania Report No. EA20F9B001F-AMT003 Corteva Agriscience GEP Unpublished</del>	<del>N</del>	<del>Y</del>	<del>Data/study report never submitted before to Poland</del>	<del>Corteva Agriscience</del>
<del>KCP 6.2 KCP 6.4.1 KCP 6.4.3 #54</del>	<del>Botoman, C.</del>	<del>2020</del>	<del>Efficacy and dose response of XDE 481 EC (GF 4480) and SC (GF 4505 + GF 4493) on Cercospora beticola and other key diseases in sugar beet. AgroProspect SRL, Romania Report No. EA20F9B001F-AMT004 Corteva Agriscience GEP Unpublished</del>	<del>N</del>	<del>Y</del>	<del>Data/study report never submitted before to Poland</del>	<del>Corteva Agriscience</del>



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 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #55	Lunca, A-M.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023. Eurofins Agroscience Services SRL, Romania Report No. RO23E7B038-MST05C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 KCP 6.4.3 #56	Lunca, A-M.	2023	Performance of GF-3307 on pathogen complex (CERCBE, UROMBE, ERYSB, RAMUBE) in sugar beets, Europe 2023. Eurofins Agroscience Services SRL, Romania Report No. RO23E7B038-MST06C Corteva Agriscience GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 6.1 KCP 6.2 KCP 6.4.1 #57	Karaïskou, G Kaehler, E	2023	Performance of Corteva™ products GF-3308 and GF-3307 for control of Cercospora beticola following protectant and curative applications Report GL23E7B004F Corteva Agriscience Indianapolis Non-GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
<del>KCP 6.3</del> <del>KCP 6.1</del> <del>KCP 6.2</del> <del>KCP 6.4.1</del> #58	Mboupe, M, Leader, A	2023	Sensitivity baseline 2023 for European Cercospora Beticola population versus Fenpicoxamid and prothioconazole Lab report No number Corteva Agriscience Eschbach, Germany Non-GEP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

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 5.1.1/1	Frank, A.	2015	Analytical Method and Validation for the Determination of XDE-777 and Prothioconazole in GF-3307 and GF-3310 Formulations DAS Report No.DAS-AM-G-14-24 Dow AgroSciences, LLC GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 <b>dated 11 September 2023</b> )	Corteva Agriscience
KCP 5.1.1/2	Moe, T	2015	Analytical Method and Validation for the Determination of the Dethio Impurity in GF-3307 Formulation DAS Report No.DAS-AM-G-14-38 Dow AgroSciences, LLC GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 <b>dated 11 September 2023</b> )	Corteva Agriscience
KCP 5.1.1/3	Nelson, R.M.	2018	Analytical Method and Validation for the Determination of Toluene in GF-3307 Formulation DAS Report No.DAS-AM-G-15-44 Dow AgroSciences, LLC GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 <b>dated 11 September 2023</b> )	Corteva Agriscience
KCP 5.1.1/4	Hofer, C.	2017	Analytical Method and Validation for the Determination of Potential Degradates in GF-3307 DAS Report No.DAS-AM-G-170058 Dow AgroSciences, LLC GLP/GEP (Y/N): Yes Published (Y/N): N	N	Y	<del>Data protection started with : QUEEN (registration n°R-140/2023)</del> <b>Data/study report never submitted before to Poland</b>	Corteva Agriscience
KCP 5.1.1/4	Megregian, J.	2021	GF-3307 Method Precision- Supplemental data Report No. DAS-AM-G-170058- Supplemental Corteva Agriscience GLP/GEP (Y/N): No Published (Y/N): N	N	Y	<del>Data protection started with : QUEEN (registration n°R-140/2023)</del> <b>Data/study report never submitted before to Poland</b>	Corteva Agriscience

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 5.1.1/5	Frank, A.	2016	Analytical Method and Validation for the Determination of Potential Degradates in GF-3307 DAS Report No.DAS-AM-G-15-1 Dow AgroSciences, LLC GLP/GEP (Y/N): Yes Published (Y/N): N	N	Y	<del>Data protection started with : QUEEN (registration n°R-140/2023)</del> Data/study report never submitted before to Poland	Corteva Agriscience
KCP 5.1.1/6	Frank, A.	2015	Analytical Method and Validation for the Determination of Potential Degradates in GF-3307 DAS Report No.DAS-AM-G-14-35 Dow AgroSciences, LLC GLP/GEP (Y/N): Yes Published (Y/N): N	N	Y	<del>Data protection started with : QUEEN (registration n°R-140/2023)</del> Data/study report never submitted before to Poland	Corteva Agriscience
KCP 5.3.2.2/05	Senciuc, M.	2021	Cross-Validation – Comparing Amounts of Fenpicoxamid Extracted from Samples of Barley Grain, Oil Seed Rapeseed and Banana with Incurred Residues using 3 Different Solvent Systems Lab Study No S20-01536; Sponsor Study No. 200456 EAG Laboratories GmbH, Ulm, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	<del>Data/study report never submitted before to Poland</del> Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCP 5.3.2.3/03	Skaggs, C.	2021	Independent Laboratory Validation of Fenpicoxamid (XDE-777) in Honey Lab Study No. SGS-21-S-04; DAS No. 210700 SGS North America, Inc. GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 5.3.3.2/03	Chambers, J., Jarrett, H.	2014	Modification M018 of the analytical method 01300 (based on QuEChERS method) for the determination of residues of prothioconazole-desthio and iprovalicarb in wheat grain, grapes, rapeseed, dry bean and cucumber Bayer CropScience, Report No.: VC/13/017, Edition Number: M-498384-01-1, Method Report No.: VC/13/017, Date: 2014-09-30 Battelle UK Ltd., Chelmsford, Essex, United Kingdom GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.3.3.2/04	Thies, S.	2014	Amendment no.2 to study 2014/0110/01 - Independent laboratory validation of BCS method 01300/M018 (based on "QuEChERS" method) for the determination of residues of prothioconazole-desthio and iprovalicarb in/on plant matrices by LC/MS/MS Bayer CropScience, Report No.: 2014/0110/01, Edition Number: M-508116-03-1, Date: 2014-12-17 Currenta GmbH & Co. OHG, Leverkusen, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.3.3.2/06	Desmaris, F.	2015	Amendment no. 1 to the final report - Cross validation of extraction methods for the determination of residues of prothioconazole-desthio in plant material by HPLC-MS/MS Bayer CropScience, Report No.: MR-15/117, Edition Number: M-536877-02-1, Method Report No.: MR-15/117, Date: 2015-10-26, ...Amended: 2015-10-27 Bayer S.A.S., Bayer CropScience, Lyon, France GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 5.3.3.3/02	Freitag, Th..	2007	Analytical method 00655/M002 for the determination of residues of JAU6476-desthio, JAU6476-3-hydroxy-desthio and JAU6476-4-hydroxy-desthio in/on matrices of animal origin by HPLC-MS/MS Method no. 00655/M002, Report no. MR-06/199 Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.3.3.3/03	Schwarz, T., Class, T.	2007	Independent laboratory validation of Bayer CropScience method 00655/M002 for the determination and confirmation of residues of JAU6476-desthio, JAU6476-3-hydroxy-desthio and JAU6476-4-hydroxy-desthio in/on matrices of animal origin by HPLC-MS/MS Method no. 00655/M002, Report no. P/B 1226 G Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.3.3.3/04	Billian, P.; Wolters, A.	2006	Analytical method 01009 for the determination of residues of JAU 6476-desthio, JAU 6476-3-hydroxy-desthio, JAU 6476-4-hydroxy-desthio, JAU 6476-3,4-dihydroxy-desthio, and JAU 6476-4,5-dihydroxy-desthio in/on matrices of animal origin by HPLCMS/MS. Method no. 01009, report no. MR-06/120, ASB2010-11620 incl. Amendment no. 1 ASB2013-9506 BVL-2283223, BVL-2295522, ASB2010-11620 Bayer CropScience GLP: Yes Published: No	N	N		BCS*

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 5.3.3.3/05	Schulte, G., Oel, D.	2006, amended 2014	Analytical method 01009 for the determination of residues of JAU 6476-desthio, JAU 6476-3-hydroxy-desthio, JAU 6476-4-hydroxy-desthio, JAU 6476-3,4- dihydroxy-desthio, and JAU 6476-4,5-dihydroxy-desthio in/on matrices of animal origin by ... Report No.: M-279725-03-1, Edition Number: M-279725-03-1, Method Report No.: MR-06/120, Date: 2006-10-26, ...Amended: 2014-06-18 Bayer CropScience, GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.3.3.3/06	Bacher; R.	2006	Independent laboratory validation of Bayer CropScience method No. 01009 for the determination of residues of JAU 6476-desthio, JAU 6476-3-hydroxy-desthio, JAU 6476-4-hydroxy-desthio, JAU 6476-3,4-dihydroxydesthio, and JAU 6476-4,5-dihydroxy-desthio in/on matrices of animal origin by HPLC-MS/MS Report no. P/B 1111G, Study no.P613060597, ASB2011-13494 PTRL Europe GmbH, Ulm, Germany; Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.3.3.3/07	Fritzsche, S.	2020	Independent laboratory validation of the analytical method 01600 for the determination of prothioconazole (JAU 6476) and its metabolite JAU 6476-desthio in/on honey Report No. M-684857-01-1, Reference No. S19-22668 Eurofins Agroscience Services Chem GmbH (EAS Chem), Hamburg, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 5.3.3.3/08	Senciuc, M., Przybylek, A.	2022	Method Validation for the Determination of X12326349 in Animal Matrices; Lab Study No. S22-03479; Sponsor Study No. 220575; Eurofins Agrosience Services EAG Laboratories GmbH, GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 5.3.3.3/09	Moore, S., Shepherd, J.	2023	Independent Laboratory Validation of an Analytical Method for the Determination of Residues of X12326349 (XDE-777 Metabolite) in Animal Matrices Lab Study No. 598SRUS23R0052; Sponsor Study No. 230145 SynTech Research, GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 5.3.3.3/10	Senciuc, M., Przybylek, A	2022	Validation of the Analytical Method for the Determination of Fenpicoxamid (XDE-777) in Honey; Lab Study No. S22-03480; Sponsor Study No. 220576 ; Eurofins Agrosience Services EAG Laboratories GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 5.3.3.3/11	Moore, S., Shepherd, J.	2023	Independent Laboratory Validation of an Analytical Method for the Determination of Residues of XDE-777 in Honey Lab Study No. 598SRUS23R0053; Sponsor Study No. 230146 SynTech Research GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 5.3.3.5/03	Krebber, R., Sandau, C.	2015	Modification M002 of analytical method 01387 for the determination of various pesticides in drinking and surface water by HPLC-MS/MS Report No.: MR-15/025, Edition Number: M-526061-01-1, Date: 2015-06-01 TF- BCS-Adama Agan, GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		TF- BCS*-Adama Agan
KCP 5.3.3.5/04	Thies, S.	2015	Independent laboratory validation of the BCS analytical method 01387/M002 for the determination of various pesticides in surface water by HPLC-MS/MS Report No.: 2015/0034/01, Edition Number: M-536990-01-1, Date: 2015-10-27 Currenta GmbH & Co. OHG, Leverkusen, Germany ; TF- BCS-Adama Agan, GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		TF- BCS*-Adama Agan
KCP 5.3.3.7/01	Hoepfner, S.	2015	Validation of the BCS analytical method 01471 for the determination of prothiconazole-desthio in body fluid by HPLC-MS/MS Report No.: M-535874-02-1, Edition Number: M-535874-02-1, Method Report No.: 2015/0047/01, Date: 2015-10-06, ...Amended: 2015-11-11 Currenta GmbH & Co. OHG, Leverkusen, Germany; Bayer CropScience, GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.3.3.7/02	Senciuc, M.	2023	Method Validation for the Determination of Fenpicoxamid (XDE-777) in Body Fluids Lab Study No. S22-08468; Sponsor Study No. 221208 Eurofins Agrosience Services EAG Laboratories GmbH, GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience



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 7.1.1/1	██████	2021a	Acute Oral Toxicity Study of GF-3307 in Rats Company Report No: 211324 ██████ GLP Unpublished	Y	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP.7.1.2/1	██████	2021b	Acute Dermal Toxicity Study of GF-3307 in Rats Company Report No: 211323 ██████ GLP Unpublished	Y	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 7.1.3/1	██████	2021	GF-3307: Inhalation Median Lethal Concentration (LC50) Study in Rats Company Report No: 211432 ██████ GLP Unpublished	Y	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 7.1.4/1	██████	2021c	Acute Dermal Irritation Study of GF-3307 in Rabbits Company Report No: 211322 ██████ GLP Unpublished	Y	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 7.1.5/1	██████	2021d	Acute Eye Irritation Study of GF-3307 in Rabbits Company Report No: 211321 ██████ GLP Unpublished	Y	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 7.1.6/1	██████	2021e	Skin Sensitisation Study of GF-3307 by Local Lymph Node Assay in Mice Company Report No: 211320 ██████ GLP Unpublished	Y	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience

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 7.3/1	Whitfield, C.	2020	GF-3307: In Vitro Percutaneous Absorption of Prothioconazole-desthio in Human Skin Company Report No: 200102 Source: Dow AgroSciences LLC GLP Unpublished	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 7.3/2	Whitfield, C.	2021	GF-3307: In Vitro Percutaneous Absorption of Fenpicoxamid in Human Skin Company Report No: 200109 Source: Dow AgroSciences LLC GLP Unpublished	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 7.3/3	Maas, W.J.M	2023	GF-3307: In Vitro Percutaneous Absorption of Prothioconazole in Human Skin Company Report No: 220958 Source: Charles River Laboratories GLP Unpublished	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
<del>KCA-6.10/01</del>	<del>Stuke, S.</del>	<del>2013</del>	<del>Determination of the dislodgeable foliar residues (DFR) of prothioconazole in/on wheat after spray application of JAU 6476 &amp; KWG 4168 EC 460 in the field in Germany Company Report No. M 455270-01-1 Source: Bayer Crop Science GLP Unpublished</del>	<del>N</del>	<del>N</del>		<del>BCS*</del>
<del>KCA-6.10/02</del>	<del>Stuke, S.</del>	<del>2015</del>	<del>Determination of the dislodgeable foliar residues (DFR) of prothioconazole and BYF 00587 in/on wheat after spraying of Bixafen &amp; Prothioconazole EC 225 in the field in France (North) and Portugal Company Report No. M 507834-01-1 Source: Bayer Crop Science GLP Unpublished</del>	<del>N</del>	<del>N</del>		<del>BCS*</del>

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
KCA 6.3.1/1	Munro, M.	2024	Fenpicoxamid Residues in Sugar Beet Including Processed Fractions Following Two Applications of GF-3307, Europe, 2022. DAS Report No.: 220541/ Study Number: 685066 Charles River Laboratories Edinburgh Limited GLP/GEP (Y/N): Y Published (Y/N):	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
<del>KCA 6.3.1/2</del>	<del>Semrau, J., Thomas, B.</del>	<del>2019</del>	<del>Residues of Fenpicoxamid and Prothioconazole in Barley at Interval and at Harvest Following Two Applications of GF-3307—Southern and Northern Europe—2017 and 2018. Report No. S17-01904/ 170191. Eurofins AgroScience Services GmbH, Carl-Goerdeler-Weg 5 21684 Stade, Germany GLP/GEP (Y/N): Yes Published (Y/N): No</del>	<del>N</del>	<del>Y</del>	<del>Data protection started with: QUEEN (registration n°R-140/2023)</del>	<del>Corteva Agriscience</del>
<del>KCA 6.10.1/1 KCP 10.3.1.6/1</del>	<del>Appeltauer, A</del>	<del>2021</del>	<del>Determination of Residues of Fenpicoxamid and Prothioconazole in Nectar, Pollen and Plants of Winter Oilseed Rape after One Application of GF-3307 in a Semi-Field Residue Study in Central and Southern Europe in 2020. DAS Report No.: 200670 Eurofins Agroscience Services Ltd GLP/GEP (Y/N): Y Published (Y/N): N</del>	<del>N</del>	<del>Y</del>	<del>Data/study report never submitted before to Poland</del>	<del>Corteva Agriscience</del>
<del>KCA 6.10.1/2</del>	<del>Appeltauer, A.</del>	<del>2020</del>	<del>Determination of residues of prothioconazole and its metabolites in honey after two applications of PTZ-EC 250 in winter oilseed rape at 5 sites in Northern and Southern Europe in 2019. Bayer Report No.: M-682401-01-1/ Study Number: S19-00902 Eurofins Agroscience Services Ltd GLP/GEP (Y/N): Y Published (Y/N): N</del>	<del>N</del>	<del>N</del>		<del>BCS*</del>

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCA 6.1/1	M. Lindner, A. Büdel	2019	Storage Stability of XDE-777 and X642188 in 5 Matrices under Deep Frozen Conditions DAS Report No.: 150026 Eurofins Agrosience Services Chem GmbH GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCA 6.1/3	Driss, F.	2021	Storage Stability of XDE-777 metabolite X12314005 in Oilseed Rape under Deep Frozen Conditions DAS Report No.: 200444 Eurofins Agrosience Services Chem SAS GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCA 6.1/4 KCP 5.2.3/06	Kalathoor, R.	2020a	Amendment no. 01: Residue analytical method 01600 and short term storage stability of prothioconazole (JAU 6476) and its Metabolite JAU 6476-desthio in/on honey by HPLC-MS/MS Report No. M-68023-02-1, Reference No. S19-01124 Eurofins Agrosience Services EcoChem GmbH / Eurofins Agrosience Services Ecotox GmbH, Niefern-Oeschelbronn, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCA 6.1/5 KCP 5.2.3/07	Kalathoor, R.	2020b	Residue analytical method 01601 and short term storage stability of the metabolites JAU 6476-alpha-hydroxy-desthio, JAU 6476-3-hydroxy-desthio, JAU 6476-4-hydroxy-desthio, JAU 6476-5-hydroxy-desthio and JAU 6476-6-hydroxy-desthio in/on honey by HPLC-MS/MS Report No. M-681477-01-1, Reference No. S19-01125 Eurofins Agrosience Services EcoChem GmbH / Eurofins Agrosience Services Ecotox GmbH, Niefern-Oeschelbronn, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*

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KCA 6.1/6 KCP 5.2.3/08	Kalathoor, R.	2020c	Amendment no. 02: Residue analytical method 01602 and short term storage stability of 1,2,4-triazole, triazole alanine, triazole acetic acid and triazole lactic acid in/on honey by HPLC-DMS-MS/MS Report No. M-680825-03-1, Reference No. S19-01126 Eurofins Agroscience Services EcoChem GmbH / Eurofins Agroscience Services Ecotox GmbH, Niefern-Oeschelbronn, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCA 6.1/2	Heinemann, O.	2003	36 months storage stability of residues of JAU6476 and JAU6476 desethio during frozen storage in/on wheat matrices. Report no: MR 354/01, Edition No: M 081351 02/1 Not provided GLP/GEP (Y/N): N Published (Y/N): N	N	N		BCS*
KCP 9.1.1.2.1/01 9.2.4 9.2.5	Hardy, I. A. J.	2012	Kinetic modelling analysis of prothioconazole from field soil residue studies conducted in Europe normalised to 20°C and pF2 Bayer CropScience, Report No.: VC/11/022F, Edition Number: M 429069 01 1, Date: 2012 04 11 Battelle UK Ltd., Ongar, Essex, United Kingdom GLP/GEP (Y/N): N Published (Y/N): N	N	N		BCS*
KCP 9.2/01 9.2.1 9.2.2 9.2.3	Schad, T. & Zerbe, P.	2008	Dissipation of prothioconazole and JAU6476 desethio under field conditions in Europe, Kinetic evaluation and calculation of non-referenced DT50 Report No.: M298575 01 1 Bayer Crop Science, GLP/GEP (Y/N): N Published (Y/N): N	N	N		BCS*

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KCP 10.1.1.1/1	██████	2014	GF-3307: An Acute Oral Toxicity Study with the Northern Bobwhite using a Sequential Testing Procedure DAS Report No.140447 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.2.1/1	██████	2014, revised 2017	GF-3307: Acute Toxicity to the Rainbow Trout, Oncorhynchus mykiss, Determined Under Static-Renewal Test Conditions DAS Report No.140479 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.2.1/2	Hadsell, R. L., Hoover, E.	2014, revised 2018	GF-3307: Acute Toxicity to the Cladoceran, Daphnia magna, Determined Under Static-Renewal Test Conditions DAS Report No.140489 ABC Laboratories, Inc., Columbia, Missouri, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.2.1/3	Hicks, S	2014, Final report addendum 2020	GF-3307: Growth Inhibition Test with the Unicellular Green Alga, Pseudokirchneriella subcapitata DAS Report No.140491 ABC Laboratories, Inc., 7200 E. ABC Lane Columbia, Missouri 65202, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.2.1/4	Goudie, O.J.	2018	X1642188 (a metabolite of XDE-777): Acute Toxicity Test to Cladoceran, Daphnia magna, Determined Under Flow-Through Test Conditions DAS# 180562 ABC Laboratories, Inc., Columbia, Missouri, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience

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 10.2.1/5	██████	2018a	X12019520 (a metabolite of XDE-777): Acute Toxicity to the Rainbow Trout, Oncorhynchus mykiss, Determined Under Static-Renewal Test Conditions DAS# 180560 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 10.2.1/6	██████	2018b	X12446477 (metabolite of XDE-777): Acute Toxicity to the Rainbow Trout, Oncorhynchus mykiss, Determined Under Static-Renewal Test Conditions DAS# 180561 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 10.2.1/7	Goudie, O.	2016b	GF-3308: Acute Toxicity to the Cladoceran, Daphnia magna, Determined Under Static Renewal Test Conditions DAS# 160102 ABC Laboratories, Inc., Columbia, Missouri, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 10.2.1/8	██████	2018	GF-3307: Acute Toxicity to the Rainbow Trout, Oncorhynchus mykiss, Determined Under Flow-Through Test Conditions DAS Report No.180975 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUEEN (registration n°R-140/2023 <b>dated 11 September 2023</b> )	Corteva Agriscience
KCP 10.2.1/9	Goudie, O.J	2020a	GF-3307: A 48-Hour Static-Renewal Acute Toxicity Test with the Cladoceran (Daphnia magna) DAS Report No. 191366 Eurofins EAG Agrosience, LLC, Easton, Maryland, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 10.2.1/10	Goudie, O.J.	2021	GF-2925: A Static-Renewal Acute Toxicity Test with the Cladoceran (Daphnia magna) DAS Report No. 202284 Eurofins EAG Agrosience, LLC, Easton, Maryland, USA	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title</b> <b>Company Report No.</b> <b>Source (where different from company)</b> <b>GLP or GEP status</b> <b>Published or not</b>	<b>Vertebrate study</b> <b>Y/N</b>	<b>Data protection claimed</b> <b>Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
			GLP/GEP (Y/N): Yes Published (Y/N): No				



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KCP 10.2.2/1	Beasley, J.	2018	X1642188 (a metabolite of XDE-777): Chronic Toxicity in Whole Sediment to Freshwater Midge, Chironomus riparius, Using Spiked Sediment DAS# 180563 ABC Laboratories, Inc., Columbia, Missouri, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 10.2.2/2	Leak, T.	2018	X12335723 (a metabolite of XDE-777): Chronic Toxicity in Whole Sediment to Freshwater Midge, Chironomus riparius, Using Spiked Sediment DAS# 180564 ABC Laboratories, Inc., Columbia, Missouri, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 10.2.3/1	Blickley, T.M., Kramer, V.J.	2018	X12433979 (a metabolite of XDE-777): Prediction of Octanol-Water Partition Coefficient and Aquatic Toxicity using Computerized Quantitative Structure-Activity Relationships DAS# 180910 Dow Agrosiences, 9330 Zionsville Rd, Indianapolis, IN 46268 GLP/GEP (Y/N): No Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 10.2.3/2	Hicks, S.	2016	GF-3308: Population Effects Study in an Indoor Aquatic Microcosm with Daphnia magna DAS# 160126 ABC Laboratories, Inc., 7200 E. ABC Lane Columbia, Missouri 65202, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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 10.2.3/3	Hicks, S.	2017	XDE-777: Population Effects Study in an Indoor Aquatic Microcosm with <i>Daphnia magna</i> DAS# 160125 ABC Laboratories, Inc., 7200 E. ABC Lane Columbia, Missouri 65202, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCP 10.2.3/4	Lamichhane, K.	2015	X642188 (a metabolite of XDE-777): Population Effects Study in an Indoor Aquatic Microcosm with <i>Daphnia magna</i> DAS# 131295 ABC Laboratories, Inc., Columbia, Missouri, USA GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCP 10.2.3/5	Mathieson, T.	2018	Efficacy of XDE-777 metabolites to <i>Septoria tritici</i> on wheat DAS# NA Dow AgroSciences, LLC, Zionsville, Indiana, USA GLP/GEP (Y/N): No Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCP 10.2.3/6	Yao, C.	2014	<i>Septoria tritici</i> Biological Screening Report for Five Metabolites of XDE-777 DAS# DAI 1370 Dow AgroSciences, LLC, Zionsville, Indiana, USA GLP/GEP (Y/N): No Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCP 10.2.3/7	Brüggemann, M., Böhmer, W., Kosak, L	2020	GF-3307: Population Effects Study in an Indoor Aquatic Microcosm with <i>Daphnia magna</i> DAS Study No. 181382 Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Schmallenberg, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience

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KCP 10.3.1.1.1/1	Noël, E.	2015a	GF-3307: A laboratory study to determine the acute oral toxicity on the honey bees <i>Apis mellifera</i> L. (Hymenoptera: Apidae). DAS Report No.150736 SynTech Research France S.A.S., La Chapelle de Guinchay, France GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.1.1.1/2  KCP 10.3.1.1.2/1	Schmitzer, S	2014	GF-3307: Acute contact and oral effects on honeybees ( <i>Apis mellifera</i> L.) in the laboratory DAS Report No.140220 & 140213 Institut für Biologische Analytik und Consulting IBACON GmbH Arheilger Weg 17, 64380 Rossdorf, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
<del>KCP 10.3.1.1.1/3</del>	<del>Cornement, M., Morgenthal, K.</del>	<del>2022</del>	<del>XDE 777 TGAI – Acute Oral and Contact Toxicity to Bumble Bees (<i>Bombus terrestris</i>) under Laboratory Conditions Corteva Report No. 201076 IES GLP/GEP (Y/N): Yes Published (Y/N): No</del>	<del>N</del>	<del>Y</del>	<del>Data/study report never submitted before to Poland</del>	<del>Corteva Agriscience</del>
KCP 10.3.1.1.1/4	Cornement, M., Morgenthal, K.	2022	GF-3307 - Acute Oral and Contact Toxicity to Bumble Bees ( <i>Bombus terrestris</i> ) under Laboratory Conditions Corteva Report No. 201075 IES GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.1.1.2/2	Noël, E.	2015b	GF-3307: A laboratory study to determine the acute contact toxicity on the honey bees <i>Apis mellifera</i> L. (Hymenoptera: Apidae). DAS Report No.150737 SynTech Research France S.A.S., La Chapelle de Guinchay, France GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.1.2/1	Oberrauch, S.	2018	GF-3307 - Honey Bee ( <i>Apis mellifera</i> L.) 22 Day Larval Toxicity Test (Repeated Exposure)	N	Y	Data protection started with : QUEEN (registration n°R-	Corteva Agriscience

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
			DAS# 171043 Institut für Biologische Analytik und Consulting IBACON GmbH, 64380 Rossdorf, Germany GLP/GEP (Y/N): Yes Published (Y/N): No			140/2023 dated 11 September 2023)	
KCP 10.3.1.2/2	Verge, E., Kastel, A.	2018	GF-3307 - Assessment of Effects on the Adult Honey Bee, <i>Apis mellifera</i> L., in a 10 Day Chronic Feeding Test under Laboratory Conditions DAS# 170077 Eurofins Agrosience Services EcoChem / Eurofins Agrosience Services Ecotox GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.1.5/1	Kleinhenz, M.	2018	GF-3307 (Fenpicoxamid + Prothioconazole): Brood Development of the Honeybee ( <i>Apis mellifera</i> L.) in a Semi-Field Tunnel Study in <i>Phacelia tanacetifolia</i> in Germany 2017 DAS Report No. 170673 Eurofins Agrosience Services EcoChem GmbH / Eurofins Agrosience Services Ecotox GmbH, Niefern-Öschelbronn, Germany GLP: Yes Published: No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
<del>KCP 10.3.1.6/1 KCA 6.10.1/1</del>	<del>Appeltauer, A.</del>	<del>2021</del>	<del>Determination of Residues of Fenpicoxamid and Prothioconazole in Nectar, Pollen and Plants of Winter Oilseed Rape after One Application of GF 3307 in a Semi-Field Residue Study in Central and Southern Europe in 2020. DAS Report No.: 200670 Eurofins Agrosience Services Ltd GLP/GEP (Y/N): Y Published (Y/N): N</del>	<del>N</del>	<del>Y</del>	<del>Data/study report never submitted before to Poland</del>	<del>Corteva Agriscience</del>
KCP 10.3.1.6/2	Gonsoir, G.	2021	Assessment of Side-Effects on the GF-3307 (Fenpicoxamid and Prothioconazole): Brood Development of the Honey Bee ( <i>Apis mellifera</i> L.) in a Colony Feeding Test in Germany 2020 DAS Report No. 200660 Eurofins Agrosience Services EcoChem GmbH / Eurofins	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience

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
			Agroscience Services Ecotox GmbH, Niefern-Öschelbronn, Germany GLP: Yes Published: No				
KCP 10.3.1.6/4	United States Environmental Protection Agency (US EPA)	2019	EPA (2019). Guidance for Assessing Pesticide Risks to Bees. Not applicable Office of Pesticide Programs United States Environmental Protection Agency. GLP: No Published: Yes	N	N		US EPA
KCP 10.3.1.6/5	US EPA	2020	EPA (2020). Final Bee Risk Assessment to Support the Registration Review of Clothianidin and Thiamethoxam. PC Codes: 044309, 060109, DP Barcode: 455645 United States Environmental Protection Agency Office of Chemical Safety and Pollution Prevention. GLP: No Published: Yes	N	N		US EPA
KCP 10.3.1.6/6	Last, G. et al.	2019	Last G, Lewis G, Pap G (2019) Regulatory report on the occurrence of flowering weeds in agricultural fields. ERM report Nr. 0482579. ERM, Harrogate, United Kingdom GLP: No Published: Yes	N	N		ERM
KCP 10.3.2.1/1	Moll, M.	2014a	GF-3307: Effects on the Predatory Mite Typhlodromus pyri in the Laboratory (Tier I) - Dose Response Test - DAS Report No.140226 Institut für Biologische Analytik und Consulting IBACON GmbH, 64380 Rossdorf, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.2.1/2	Moll, M.	2014b	GF-3307: Effects on the Parasitoid Aphidius rhopalosiphii in the Laboratory (Tier I) - Dose Response Test DAS Report No.140224 Institut für Biologische Analytik und Consulting IBACON GmbH, 64380 Rossdorf, Germany GLP/GEP (Y/N): Yes	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience

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			Published (Y/N): No				
KCP 10.3.2.1/3	Tew, G.	2020	GF-3307: A laboratory Study of the Effects of Freshly Treated Substrate on the Rove Beetle, Aleochara bilineata (Coleoptera, Staphylinidae) DAS Report No.200609 Mambo Tox, Southhampton, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.2.2/1	Kimmel, S.	2016a	GF-3307: Effects on mortality and reproduction to Coccinella septempunctata L (Coleoptera:Coccinellidae) under extended Laboratory Conditions DAS Report No. 150923 Innovative Enivironmental Services (IES) Ltd, Witterswil, Switzerland GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.2.2/2	Kimmel, S.	2016b	GF-3307: Effects to the Parasitoid Rove Beetle Aleochara bilineata (Coleoptera: Staphylinidae) under extended Laboratory Conditions DAS Report No. 150926 Innovative Enivironmental Services (IES) Ltd, Witterswil, Switzerland GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.2.2/3	Moll, M.	2014c	GF-3307: Effects on the Lacewing Chrysoperla carnea under Extended Laboratory Conditions (Tier II) DAS Report No.140948 Institut für Biologische Analytikund Consulting IBACON GmbH, Arheilger Weg 1764380 Rossdorf Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.2.2/4	Moll, M.	2014d	GF-3307: Effects on the Parasitoid Aphidius rhopalosiphi, Extended Laboratory Study (Tier II) - Dose Response Test DAS Report No.140947 Institut für Biologische Analytikund Consulting IBACON GmbH, Arheilger Weg 1764380 Rossdorf Germany GLP/GEP (Y/N): Yes	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience

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
			Published (Y/N): No				
KCP 10.3.2.2/5	Schmitzer, S.	2015	GF-3307: Effects on the Wolf Spider Pardosa spec. in the Laboratory – Extended Laboratory Study (Tier II) DAS Report No.150927 Institut für Biologische Analytikund Consulting IBACON GmbH, Arheilger Weg 1764380 Rossdorf Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.2.2/6	Tew, G.	2020	GF-3307: A Rate-Response Extended Laboratory Study of the Effects of Freshly Treated Substrate on the Rove Beetle, Aleochara bilineata (Coleoptera, Staphylinidae) DAS Report No. 200610 Mambo-Tox, Southhampton, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.2.3/1	Stevens, J.	2016	GF-3307: An aged residue extended laboratory study on the parasitic wasp Aphidius rhopalosiphi (Hymenoptera, Braconidae) DAS Report No.150924 Mambo-Tox Ltd., 2 Venture Road, University Science Park, Southampton SO16 7NP, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.2.3/2	Vaughan, R.	2015	GF-3307: An aged-residue extended laboratory study with the green lacewing Chrysoperla carnea (Neuroptera, Chrysopidae) DAS Report No.150925 Mambo-Tox Ltd.Southampton SO16 7NP, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.3.2.3/3	Vaughan, R.	2018	GF-3307: An aged-residue extended laboratory tests to determine effects on the ladybird beetle, Coccinella septempunctata (Coleoptera, Coccinellidae) DAS Report No.170778 Mambo-Tox Ltd.Southampton SO16 7NP, UK GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience

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 10.4.1.1/1	Ganßmann, M.	2014a	GF-3307: Effects on Reproduction and Growth of Earthworms Eisenia fetida in Artificial Soil with 10% Peat DAS Report No.140234 Institut für Biologische Analytikund Consulting IBACON GmbH, Arheilger Weg 1764380 Rossdorf Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.4.2.1/1	Ganßmann, M.	2015	GF-3307: Effects on Reproduction of the Collembola Folsomia candida in Artificial Soil with 5% Peat DAS Report No.140227 Institut für Biologische Analytik und Consulting IBACON GmbH Arheilger Weg 17 64380 Rossdorf Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.4.2.1/2	Ganßmann, M.	2014b	GF-3307: Effects on Reproduction of the Predatory Mite Hypoaspis aculeifer in Artificial Soil with 5% Peat DAS Report No.140230 Institut für Biologische Analytikund Consulting IBACON GmbH, Arheilger Weg 1764380 Rossdorf Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.5/1	Hammesfahr, U.	2014	GF-3307: Effects on the Activity of the Soil Microflora in the Laboratory DAS Report No.140237 Institut für Biologische Analytik, und Consulting IBACON GmbH, Arheilger Weg 17, 64380 Rossdorf, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience
KCP 10.6.2/1	Brockmann, A.	2014a	GF-3307 (XDE-777 + prothioconazole 50 + 100 g as/L, EC): A Vegetative Vigour Test with ten Non Target Plant Species, GLP DAS Report No.140555 agro-check Dr. Teresiak & Erdmann GbR, Dorfstr.15D-16833 Lentzke, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 dated 11 September 2023)	Corteva Agriscience



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 10.6.2/2	Brockmann, A., Teresiak, H..	2014b	GF-3307 (XDE-777 + prothioconazole 50 + 100 g as/L, EC): A Seedling Emergence and Seedling Growth Test with ten Non Target Plant Species, GLP Terrestrial Non Target Plants (based on OECD Guideline 208) – Europe 2014 DAS Report No.140707 agro-check Dr. Teresiak & Erdmann GbR, Dorfstr.15 D-16833 Lentzke, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023 <b>dated 11 September 2023</b> )	Corteva Agriscience

**List of data submitted or referred to by the applicant and relied on, but already evaluated at EU peer review**

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
CA 1.11/1	Kerbleski HK Hamilton T Crispin TA Birk KH Ring CD Zhang L Yusuf S Xiang F Gobbi GC	2013	Batch Analysis Study for XDE-777 Technical DAS Report No.: ML AL-2013-005807 The Dow Chemical Company GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 1.11/2	Crouse C Godbey J Simo	2010	Determination of Purity and Identity of TSN003571-0001, XR-777 Technical Grade Active Ingredient-Tox DAS Report No.: FAPC10-247744 The Dow Chemical Company GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
CA 1.11/3	Kerbleski HK And el	2013	Determination of Purity and Identity of TSN303159, XDE-777 Technical Grade Active Ingredient-Tox DAS Report No.: FAPC12-000594 The Dow Chemical Company GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
CA 1.11/4	Von Wald G And el	2012	Analysis of the Purity of XDE-777 from the Carbonate Removal Campaign at the 969 Pilot Plant in January of 2012 using Liquid Chromatography DAS Report No.: AL-2012-004219 The Dow Chemical Company Non GLP Not Published	N	N		Corteva Agriscience
CA 1.11/5	Von Wald G Lehr, S.	2013	Chloromethyl isobutyrate Concentration in Typical Lots of XDE-777 measured by Headspace Gas Chromatography DAS Report No.: AL-2013-014264 The Dow Chemical Company Non GLP Not Published	N	N		Corteva Agriscience
CA 1.11/6	Kerbleski H.	2013	Formaldehyde Concentration in Typical and Toxicological Lots of XDE-777 Technical by HPLC DAS Report No.: AL-2013-016296 The Dow Chemical Company Non GLP Not Published	N	N		Corteva Agriscience
CA 1.11/7	Frank, A.	2013	To Whom it may concern: Analysis of formaldehyde and CMIB NA Dow AgroSciences LLC Non GLP Not Published	N	N		Corteva Agriscience

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
CA 1.11/8	Maguire, A. and Wilson, D	2014	Impurities QSAR Files (Compilation of OASIS (.pdf)/DEREK (.doc) reports and .mol files) NA The Dow Chemical Company Non GLP Not Published	N	N		Corteva Agriscience
CA 1.11/9	Jones, J.	2016a	Certificate of analysis for test/reference/control substances (TSN303161) DAS Report No.: FAPC16-000472 Dow AgroSciences LLC Non GLP Not Published	N	N		Corteva Agriscience
CA 1.11/9	Waine C and Watts P (BIBRA report)	2015	Expert assessment of the genotoxicity of two compounds related to the pesticide XDE-777 NA GLP : not applicable Not Published	N	<del>N</del> Y	Data protection started with : QUESTAR (registration n° 2200066), R-67/2023 dated 21 March 2023)	Corteva Agriscience
CA 1.11/10	Jones, J.	2016b	Certificate of analysis for test/reference/control substances (TSN302214) DAS Report No.:FAPC-000473 Dow AgroSciences LLC Non GLP Not Published	N	N		Corteva Agriscience
CA 4.1.1/2	Frank, A	2016	Analytical Method and Validation for the Determination of Impurities in DE-777 Technical Grade Material DAS Report No.: DAS-AM-G-15-32 The Dow Chemical Company GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience

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
CA 2.1/1 CA 2.3/1	Moe TE	2012a	Determination of Color, Physical State, Odor, Melting Point and Decomposition Temperature of XDE-777 Pure Active Ingredient DAS Report No.: FAPC-G-12-29 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 2.2/1	Comb AL	2012a	Determination of Vapour Pressure of XDE-777 DAS Report No.: NAFST-12-114 Huntingdon Life Sciences Ltd. GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 2.2/2	Frank A	2013	Calculation of the Henrys Law Constants for XDE-777 from Unbuffered and pH 5, 7, and 9 Buffered Water DATA GUIDELINE European Regulation (EC) No 11072009, OECD Point 2.3.2 DAS Report No.: NAFST-12-227 Dow AgroSciences LLC Non GLP Not Published	N	N		Corteva Agriscience
CA 2.3/2	Moe TE	2012b	Determination of Color, Odor, Physical State, Oxidizing and Reducing Action, Explodability, pH and Bulk Density of XDE-777 Technical Grade Active Ingredient DAS Report No.: FAPC-G-12-30 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 2.3/3	Moe TE	2012c	Determination of Color, Odor, Physical State, Oxidizing and Reducing Action, Explodability, pH and Bulk Density of XDE-777 Technical Grade Active Ingredient DAS Report No.: FAPC-G-12-31 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
CA 2.4/1	Elliott T	2014	X772777: Determination of Spectral Characteristics (UVVisible Absorption and Molar Absorptivities, Mass Spectrum, Infrared Spectrum, and NMR) (Revision) DAS Report No.: NAFST-12-223 ABC Laboratories, Inc. GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 2.5/1	Comb AL	2012b	Determination of Water Solubility for XDE-777 DAS Report No.: NAFST-12-110 Huntingdon Life Sciences Ltd. GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 2.6/1	Comb AL	2012c	Determination of Organic Solvent Solubility for XDE-777 TGAI DAS Report No.: NAFST-11-352 Huntingdon Life Sciences Ltd. GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 2.6/2	Comb AL	2012d	Determination of Organic Solvent Solubility for XDE-777 TGAI DAS Report No.: NAFST-12-137 Huntingdon Life Sciences Ltd. GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 2.7/1	Comb AL	2012e	Determination of OctanolWater Partition Coefficient for XDE-777 by Shake Flask Method DAS Report No.: NAFST-12-111 Huntingdon Life Sciences Ltd. GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
CA 2.8/1	Comb AL	2012f	Determination of Dissociation Constant of XDE-777 DAS Report No.: NAFST-12-112 Huntingdon Life Sciences Ltd. GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 2.9/1 CA 2.11/1 CA 2.12/1 CA 2.13/1	Comb AL	2012g	Determination of Surface Tension, Flammability (solids), Explosive Properties, Relative Self-Ignition Temperature for Solids and Oxidising Properties for XDE-777 TGAI DAS Report No.: NAFST-11-351 Huntingdon Life Sciences Ltd. GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 2.9/2 CA 2.11/2 CA 2.12/2 CA 2.13/2	Comb AL	2012h	Determination of Surface Tension, Flammability (solids), Explosive Properties, Relative Self-Ignition Temperature for Solids and Oxidising Properties for XDE-777 TGAI DAS Report No.: NAFST-12-136 Huntingdon Life Sciences Ltd. GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 2.14/1	Comb AL	2012i	Determination of Relative Density of XDE-777 DAS Report No.: NAFST-12-113 Huntingdon Life Sciences Ltd. GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 2.14/2	Xiong Q Lewer P Graupner PG Frank A Pearson DL	2013	Determination of the Absolute Configuration of XDE-777 Using Vibrational Circular Dichroism (VCO) DAS Report No.: DAI 1277 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CP 2.1/1 CP 2.3/1 CP 2.4/1 CP 2.5/1 CP 2.6/1	Moe TE	2012	Determination of Color, Odor, Physical State, Oxidizing and Reducing Action, Flashpoint, Explodability, pH, Viscosity, and Density of GF-2925, an End Use Product Containing XDE-777 DAS Report No.: FAPC-G-12-52 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
CP 2.2/1 CP 2.3/2 CP 2.5/2	Comb AL	2012	Determination of Surface Tension, Explosive Properties, Auto-Ignition Temperature (liquids and gases) and Oxidising Properties (liquids) of GF-2925 DAS Report No.: NAFST-12-228 Huntingdon Life Sciences Ltd. GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
CP 2.7/1	Hofer C	2012a	GF-2925 Two Week 54°C Accelerated Storage Stability and One Week 0°C in Glass DAS Report No.: FOR-12-12 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
CP 2.7/2 CP 2.7.2/1 CP 2.7.3/1 CP 2.7.4.1/1 CP 2.7.7/1	Hofer C	2012b	GF-2925 Accelerated Storage Stability; Eight Week 40°C in PET and HDPE DAS Report No.: FOR-12-13 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
CP 2.7/3	Hofer C	2014	Three Year Ambient Storage Stability of GF-2925 in PET and HDPE; Two Year Ambient Interim Report DAS Report No.: FOR-12-14 Dow AgroSciences LLC GLP Not Published	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience

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
KCA 4.1.1 (a)/1	Hamilton T	2013	Analytical Method and Validation for the Determination of Active Ingredient in XDE-777 Technical by Liquid Chromatography DAS Report No.: ML AL-2013-012856 The Dow Chemical Company GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 4.1.1 /2	Kerbleski HK Hamilton TD Birk KH Zhang L	2013	Analytical Method and Validation for the Determination of Active Ingredient and Impurities in XDE-777 Technical by Liquid Chromatography DAS Report No.: ML AL-2013-005479 The Dow Chemical Company GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 4.1.1 /3	Crispin TA Hamilton TD	2013	Analytical Method and Validation for the Determination of Residual Solvents and Process Impurities in XDE-777 Technical by Gas Chromatography DAS Report No.: ML AL-2013-005805 The Dow Chemical Company GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 5.1.1/1	Speak T	2012	Analytical Method for the Determination of XDE-777 in GF-2925 DAS Report No.: DAS-AM-G-12-19 Dow AgroSciences (NZ) Ltd GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 5.2.2/01	Watson G	2012	XDE-777 and its Metabolite X642188 – Validation of the Method for the Determination of Residues of XDE-777 and its Metabolite X642188 in Crops by LC-MS/MS DAS Report No.: 120615 Eurofins Agroscience Services Ltd GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience



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KCP 5.3.2.2/02	Lindner, M. Giesau, A.	2013	Validation of a Multi-residue Method Following the QuEChERS Sample Preparation Technique for the Determination of XDE-777 and Its Metabolite X642188 in Matrices of Plant and Animal Origin DAS Report No.: 120998 Eurofins Agrosience Services Ltd GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 5.3.2.2/03	Amic, S.	2013	Independent Laboratory Validation of a Multi-residue Method Following the QuEChERS Sample Preparation Technique for the Determination of XDE-777 and Its Relevant Metabolite X642188 in Matrices of Plant and Animal Origin DAS Report No.: 130114 Eurofins Agrosience Services Chem SAS GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 5.3.2.3/01	Garcia-Alix, M.	2014	Method Validation for the Determination of XDE-777 and Its Metabolite (X12326349) in Animal Matrices DAS Report No.: 131027 CEM Analytical Services GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 5.3.2.2/01	Chambers J Jarrett H	2013	Independent Laboratory Validation: XDE-777 and X641288 Residue Determination in Crops (Revision) DAS Report No.: 120951 Battelle UK Ltd GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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 5.3.2.2/04	Li Q Dixit V	2013	Evaluation of the Extraction Efficiency in Analytical Method - Determination of XDE-777 and Its X642188 Metabolite in Agricultural Commodities Using Liquid Chromatography with Tandem Mass Spectrometry Detection DAS Report No.: 121023 Dow AgroSciences LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 5.3.2.3/02	Lindner, M. Grewe, D.	2014	Independent Laboratory Validation of an Analytical Method for the Determination of XDE-777 and its Metabolite X12326349 in Matrices of Animal Origin DAS Report No.: 130712 Eurofins Agrosiences Services GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 5.3.2.4/01	Lindner M Giesau A	2014a	Validation of an Analytical Method for the Determination of Residues of XDE-777 and its Metabolite X642188 in Soil and Sediment DAS Report No.: 131045 Eurofins Agrosiences Services GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 5.3.2.5/01	Austin R Turner R	2014	Method Validation Study for the Determination of Residues of XDE-777 and Its Metabolite X642188 in Water by LC-MS/MS DAS Report No.: 131046 Battelle UK Ltd. GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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 5.3.2.5/02	Lindner M Giesau A	2014b	Independent Laboratory Validation of an Analytical Method for the Determination of XDE-777 and its Metabolite X642188 in Water DAS Report No.: 130711 Eurofins Agrosiences Services GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 5.3.2.6/01	Bacher, R.	2012	The Development and Validation of a Method for the Analysis of XDE-777 in Air PTRL Europe GmbH DAS Report No.: 120681 GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 5.3.2.7/01	Göcer, M.	2012	Development and Validation of an Analytical Method for the Determination of XDE-777 in Body Fluid(s) DAS Report No.: 120682 PTRL Europe GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 5.2.3/01	Heinemann, O.	2000	Analytical determination of residues of JAS 6476 and desthio-JAU 6476 in/on cereals by HPLC/MS/MS Method No. 00598; M-028457-01-1 Bayer AG, Leverkusen, Germany, Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.2.3/02	Heinemann, O.	2000b	Analytical determination of residues of JAU6476 and JAU6476-desthio in/on cereals and canola by HPLC-MA/MA (method modification 00598/M001) Method No. 00598/M001; M-047681-01-1 Bayer AG, Leverkusen, Germany, Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 5.3.3.4/02	Schramel, O.	2000	Residue analytical method 00610 (MR-643/99) for the determination of JAU6476 and the metabolites JAU6476-desthio and JAU6476-S-methyl in soil by HPLC-MS/MS Report Number: 00610 Bayer AG, Leverkusen, Germany, Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.3.3.4/03	Brumhard, B.	2005	Modification M001 of method 00610 for the determination of JAU6476 and the metabolites JAU6476-desthio and JAU6476-S-methyl in soil by HPLCMS/MS. Method no. 00610/M001, report no. MR-183/04, MET2005-358 Bayer AG, Leverkusen, Germany, Bayer CropScience GLP: Yes Published: No	N	N		BCS*
KCP 5.3.3.5/01	Sommer, H.	2001	Enforcement method 00684 for determination of JAU6476 and JAU6476-desthio in drinking and surface water by HPLC-MS/MS Report Number 00684 Bayer AG, Leverkusen, Germany, Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
5.3.3.5/02	Brumhard, B.	2005b	Modification M001 of method 00684 for the determination of JAU6476 and JAU6476-desthio in drinking and surface water by HPLC-MS/MS Method no. 00684/M001, report no. MR-184/04, MET2005-359, BVL-2283234, BVL-2291531, MET2005-359 Bayer AG, Leverkusen, Germany, Bayer CropScience GLP: Yes Published: No	N	N		BCS*

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 5.3.3.6/01	Maasfeld, W.	2002a	Method for the determination of JAU 6476 in air by HPLC-MS/MS Report Number 00724 Bayer AG, Leverkusen, Germany, Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.2.3/03	Heinemann, O.	2001a	Analytical determination of residues of JAU6476-3-hydroxy-desthio, JAU6476-4-hydroxy-desthio, and JAU6476-desthio in/on matrices of animal origin by HPLC-MS/MS Method-No. 00655, Report No.: 00655 Bayer AG, Leverkusen, Germany, Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.2.3/04	Heinemann, O.	2001b	Analytical determination of residues of JAU6476-3-hydroxy-desthio, JAU6476-4-hydroxy-desthio, and JAU6476-desthio in milk by HPLC-MS/MS (00655/M001) Method-No. 00655/M001, Report No.: MR-170/01 Bayer AG, Leverkusen, Germany, Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.2.3/09	Freitag, Th., Daniels, M.	2009	Analytical Method 00979/M001 for the determination of residues of JAU 6476- $\alpha$ -hydroxy-desthio, JAU 6476-3-hydroxy-desthio, JAU 6476-4-hydroxy-desthio, JAU 6476-5-hydroxy-desthio, and JAU 6476-6-hydroxy-desthio in/on matrices of plant origin by HPLC-MS/MS Method-No. 00979/M001, Report No.: MR-08/023 Bayer AG, Leverkusen, Germany, Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCP 5.3.3.4/01	Steinhauer, S.	2001	Enforcement method 00086/M038 for the determination of the residues of JAU 6476-desthio in soil - Validation of DFG method S 19 (extended revision) Report No.: 00086/M038 Dr. Specht & Partner, Chemische Laboratorien GmbH, Hamburg, Germany, Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.3.3.6/02	Maasfeld, W.	2002b	Method for the determination of JAU 6476-desthio (SXX-0665) in air by HPLC-MS/MS Report Number 00731 Bayer AG, Leverkusen, Germany, Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.3.3.6/03	Anft, T.; Bardel, P.	2005	Modification M001 of method 00731 for the determination of residues of JAU 6476-desthio (SXX 0665) in air by HPLC/MS/MS MR-166/04 ! 00731/M001, P 606 041201, MO-05-001163, M-242870-01-1, BVL-2283237, BVL-2291532, MET2005-360 Bayer AG GLP: Yes Published: No	N	N		BCS*
KCP 5.3.3.2/01	Weeren, R.D.; Pelz, S.	2000	Modification M033 of method 00086: Validation of DFG method S 19 (extended revision) for the determination of residues of JAU 6476-desthio in materials of plant and animal origin. Bayer AG, Report No.: 0086/M033, Date 200-11-20 Dr. Specht Partner, Chemische Laboratorien GmbH, Hamburg, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*

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KCP 5.3.3.2/02	Class, Th.	2001	Independent laboratory validation of DFG method S19 (extended revision) for the determination of residues of JAU 6476-desthio (Bayer method 00086/M033) in plant materials Report No.: P/B 484 G PTRL Europe, Ulm, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.3.3.2/05	Haas, M.	2001	Extraction efficiency testing of the residue method (00647) for the determination of JAU 6476 residues in spring wheat using aged radioactive residues Report No.: MR-084/01 Bayer AG, Leverkusen, Germany, Bayer CropScience GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCP 5.3.3.3/01	Dubey, L.	2001	Independent laboratory validation of Bayer methods 00655 and 00655/M001 for the determination of residues of JAU6476-3-hydroxy-desthio, JAU6476-4-hydroxy-desthio, and JAU6476-desthio in/on matrices of animal origin by HPLC-MS/MS Report No.: A-14-01-01 Battelle, Geneva Research Centres, Carouge/Geneva, Switzerland GLP/GEP (Y/N): Yes Published (Y/N): No	N	N		BCS*
KCA 6.2.2/01	██████	2001	(Phenyl-UL-14C)JAU6476 Absorption, distribution, excretion and metabolism in the lactating goat Report No.: MR-092/01 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	<del>N</del> Y	N		BCS*

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
CA 5.1.1/1	■■■	2012a	XDE-777: PROBE STUDY TO DETERMINE ABSORPTION, METABOLISM AND ELIMINATION IN F344NTac RATS, CrI:CD1(ICR) MICE AND NEW ZEALAND WHITE RABBITS (Revision) DAS Report No.: 101038 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.1.1/2	■■■	2012	A PROBE STUDY TO INVESTIGATE THE METABOLISM AND EXCRETION OF 14C-LABELED XDE-777 IN BEAGLE DOGS FOLLOWING A SINGLE ORAL (GAVAGE) ADMINISTRATION DAS Report No.: 111004 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.1.1/3	■■■	2012b	XDE-777: TISSUE DISTRIBUTION IN F344DuCrI RATS DAS Report No.: 111150 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.1.1/4	■■■	2013	ELIMINATION OF RADIOACTIVITY IN BILE, URINE, AND FECES FOLLOWING ORAL ADMINISTRATION OF [14C]-LABELED XDE-777 TO RATS DAS Report No.: 130007 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.1.1/5	■■■	2013	XDE-777: PHARMACOKINETICS AND METABOLISM IN F344DuCrI RATS DAS Report No.: 111149 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience



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CA 5.1.1/6	Zhang F McClymont EL Fiting JA Erskine TC Clark AJ	2014	XDE-777: In Vitro Comparative Metabolism Study DAS Report No.: 130798 Toxicology & Environmental Research and Consulting, The Dow Chemical Company GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.2.1/1	■■■■	2011 a	Acute Oral Toxicity Up And Down Procedure In Rats DAS Report No.: 101555 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.2.2/1	■■■■	2011 b	Acute Dermal Toxicity Study in Rats DAS Report No.: 101664 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.2.3/1	■■■■	2012	XR-777: ACUTE DUST AEROSOL INHALATION TOXICITY STUDY IN F344DuCrI RATS DAS Report No.: 101136 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.2.4/1	■■■■	2011 c	Primary Skin Irritation Study In Rabbits DAS Report No.: 101665 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.2.5/1	■■■■	2011 d	Primary Eye Irritation Study in Rabbits DAS Report No.: 101666 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CA 5.2.6/1	■■■■	2012	XR-777: LOCAL LYMPH NODE ASSAY IN CBAJ MICE DAS Report No.: 101154 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.2.7/1	Roth M	2015	XDE-777: Cytotoxicity Assay in vitro with Balb/c 3T3 Cells: Neutral Red (NR) Test during Simultaneous Irradiation with Artificial Sunlight DAS Report No.: 150039 Harlan Cytotest Cell Research GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.3.1/1	■■■■	2010	XR-777: PALATABILITY PROBE STUDY IN F344DuCrI RATS DAS Report No.: 100041 ■■■■ GLP/GEP (Y/N): No Published (Y/N): No	Y	N		Corteva Agriscience
CA 5.3.1/2	■■■■	2012a	XR-777: 28-DAY DIETARY TOXICITY STUDY IN F344DuCrI RATS DAS Report No.: 101053 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.3.1/3	■■■■	2010	XR-777: PALATABILITY PROBE STUDY IN CrI:CD1(ICR) MICE DAS Report No.: 100043 ■■■■ GLP/GEP (Y/N): No Published (Y/N): No	Y	N		Corteva Agriscience

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CA 5.3.1/4	■■■	2012	XR-777: 28-DAY DIETARY TOXICITY STUDY IN CrI:CD1(ICR) MICE DAS Report No.: 101052 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.3.1/5	■■■	2012	XDE-777: A PRELIMINARY PALATABILITY STUDY IN BEAGLE DOGS DAS Report No.: 110033 ■■■ GLP/GEP (Y/N): No Published (Y/N): No	Y	N		Corteva Agriscience
CA 5.3.1/6	■■■	2013a	XDE-777: A 28-DAY DIETARY TOXICITY STUDY IN BEAGLE DOGS DAS Report No.: 111034 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.3.2/1	■■■	2012 b	XR-777: 90 DAY DIETARY TOXICITY STUDY IN F344DuCrI RATS DAS Report No.: 101110 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.3.2/2	■■■	2014	XR777: 90-DAY DIETARY TOXICITY STUDY WITH A 28-DAY RECOVERY IN CrI:CD1(ICR) MICE (Revision) DAS Report No.: 101103 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CA 5.3.2/3	■■■■	2013 b	XDE-777: A 90-DAY DIETARY TOXICITY STUDY IN BEAGLE DOGS DAS Report No.: 111035 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.3.2/4	■■■■	2014	XDE-777: A One-Year Dietary Toxicity Study in Beagle Dog DAS Report No.: 121002 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.4.1/1	Dakoulas EW Divi K	2010	Salmonella - Escherichia coli/Mammalian-Microsome Reverse Mutation Assay Preincubation Method with a Confirmatory Assay with XR-777 DAS Report No.: 100088 BioReliance GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.4.1/2	Schisler MR	2011 a	EVALUATION OF XR-777 IN AN IN VITRO CHROMOSOMAL ABERRATION ASSAY UTILIZING RAT LYMPHOCYTES DAS Report No.: 101069 Toxicology & Environmental Research and Consulting, The Dow Chemical Company GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
CA 5.4.1/3	Schisler MR	2011 b	EVALUATION OF XR-777 IN THE CHINESE HAMSTER OVARY CELLHYPOXANTHINE-GUANINE-PHOSPHORIBOSYL TRANSFERASE (CHOHGPRT) FORWARD MUTATION ASSAY DAS Report No.: 101089 Toxicology & Environmental Research and Consulting, The Dow Chemical Company GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.4.2/1	■■■■	2011 c	EVALUATION OF XR-777 IN THE MOUSE PERIPHERAL BLOOD MICRONUCLEUS TEST DAS Report No.: 101061 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.4.2/2	■■■■	2014	XDE-777: In Vivo Unscheduled DNA Synthesis (UDS) Test in Mouse Liver Cells DAS Report No.: 140628 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.5/1	■■■■	2013	XR-777: 18-MONTH DIETARY ONCOGENICITY STUDY IN CrI:CD1(ICR) MICE DAS Report No.: 111068 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.5/2	■■■■	2014	XDE-777: Two-Year Dietary Chronic Toxicity/Oncogenicity Study in F344/DuCrI Rats DAS Report No.: 111064 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CA 5.6.1/1	■■■	2012 a	XR-777: DIETARY REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST IN CrI:CD(SD) RATS DAS Report No.: 101200 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.6.1/2	■■■	2013a	XDE-777: TWO GENERATION DIETARY REPRODUCTION TOXICITY STUDY IN CrI:CD(SD) RATS DAS Report No.: 111186 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.6.2/1	■■■	2012b	XR-777: DIETARY DEVELOPMENTAL TOXICITY PROBE STUDY IN CrI:CD(SD) RATS DAS Report No.: 101099 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.6.2/2	■■■	2012c	XDE-777: DIETARY DEVELOPMENTAL TOXICITY STUDY IN CrI:CD(SD) RATS DAS Report No.: 111184 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 5.6.2/3	■■■	2012d	XDE-777: DIETARY DEVELOPMENTAL TOXICITY PROBE STUDY IN NEW ZEALAND WHITE RABBITS DAS Report No.: 121001 ■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CA 5.6.2/4	■■■■	2013b	XDE-777: DIETARY DEVELOPMENTAL TOXICITY STUDY IN NEW ZEALAND WHITE RABBITS DAS Report No.: 121070 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
CA 5.8.1/1	Patel NN	2012	BACTERIAL REVERSE MUTATION TEST OF X642188 USING SALMONELLA TYPHIMURIUM DAS Report No.: 120873 JAI RESEARCH FOUNDATION GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
CA 5.8.1/2	■■■■	2013	ACUTE ORAL TOXICITY STUDY OF X642188 IN RATS DAS Report No.: 120874 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
CA 5.8.2/3	Scherzer MK Passage JK	2014	XDE-777: Solubility in New Zealand White Rabbit Plasma DAS Report No.: 140630 Toxicology & Environmental Research and Consulting, The Dow Chemical Company GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
K-CP 7.1.1/01	■■■■	2012a	Acute Oral Toxicity Study of GF-2925 in Rats DAS Report No.: 120725 ■■■■ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
K-CP 7.2.1/01	■■■■	2012b	Acute Dermal Toxicity Study of GF-2925 in Rats DAS Report No.: 120726 ■■■■ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience

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K-CP 7.1.3/01	■■■■	2016	ACUTE INHALATION TOXICITY STUDY OF GF-2925 IN RATS DAS Report No.: 160249 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
K-CP 7.1.4/01	■■■■	2012c	Acute Dermal Irritation Study of GF-2925 in Rabbits DAS Report No.: 120727 ■■■■ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
K-CP 7.1.5/01	■■■■	2012d	Acute Eye Irritation Study of GF-2925 in Rabbits DAS Report No.: 120728 ■■■■ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
K-CP 7.1.6/01	■■■■	2012e	Skin Sensitisation Study of GF-2925 by Local Lymph Node Assay in Mice DAS Report No.: 120729 ■■■■ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
K-CP 7.3/01	Maas WJM	2013	In Vitro Dermal Absorption of XDE-777, Formulated in GF-2925 and Two Dilutions, Through Human Split-Thickness Skin Using Flow-Through Diffusion Cells DAS Report No.: 120518 TNO Triskelion BV GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience



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KCA 6.1/2	Heinemann, O.	2003	36 months storage stability of residues of JAU6476 and JAU6476-desthio during frozen storage in/on wheat matrices.	KCA 6.1/2 N	Heinemann, O. N	2003	36 months storage stability of residues of JAU6476 and JAU6476-desthio during frozen storage in/on wheat matrices. BCS
KCA 6.1/2	Weir, A	2014	XDE-777 and Its Metabolite X642188 Storage Stability in Wheat and Wheat Processed Fractions Stored Frozen for up to 24 Months DAS Report No.: 120749 Eurofins Agroscience Services Chem Ltd GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCA 6.1/4	Devine, HC	2014	Frozen Storage Stability of Residues of XDE-777 and Its Metabolites (X642188 and X12326349) in Animal Matrices Final Report DAS Report No.: 130709 CEM Analytical Services Ltd. GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCA 6.2.1/1	Ma, M Jackson, U	2013	A NATURE OF THE RESIDUE STUDY WITH [14C]-XR-777 APPLIED TO WHEAT DAS Report No.: 110334 Dow AgroSciences LLC; Research for Hire GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience

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KCA 6.2.1/2	Wu, S	2013a	A Nature of the Residue Study with [14C]-XDE-777 Applied to Tomatoes DAS Report No.: 121003 Symbiotice Research, LLC, Research For Hire (RFH) GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 6.2.1/3	Wu, S	2013b	A Nature of the Residue Study with [14C]-XDE-777 Applied to Cabbage DAS Report No.: 121002 Symbiotice Research, LLC, Research For Hire (RFH) GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 6.2.2	■■■	2013	A Nature of the Residue Study in the Laying Hen with [14C]-XDE-777 DAS Report No.: 110421 ■■■ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 6.2.3	■■■	2013	A NATURE OF THE RESIDUE STUDY IN THE RUMINANT WITH [14C]-XR-777 DAS Report No.: 110766 ■■■ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCP 5.2.2/03 KCA 6.4.2/1	■■■	2013	XDE-777 Livestock Feeding Study: Magnitude of Residue in Milk, Muscle, Liver, Kidney and Fat of Lactating Dairy Cattle DAS Report No.: 130949 ■■■ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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 5.2.2/04	Li, Q., Hasting, M., Slinkard, E.W.	2015	Method Validation Study for the Determination of XDE-777 and Its Metabolites in Soil by Liquid Chromatography with Tandem Mass Spectrometry Dow AgroSciences LLC, Indianapolis, Indiana, USA DAS Report No.: 141042 GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 6.5.1/1	Ma, M Zhou, X Brackman, R	2013	Processing Study to Determine the Nature of Residues of [14C]-XDE-777 Following Industrial or Household Preparation Dow AgroSciences LLC DAS Report No.: 121153 GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 6.6.1/1	Ma, M Aldelfinskaya, Y	2014	A Confined Rotational Crop Study with [14C]-XDE-777, 2014 Final Report Dow AgroSciences LLC DAS Report No.: 140050 GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 6.1 /01	Heinemann, O.	2001	18 months storage stability of residues of JAU 6476 and JAU 6476-Desthio during frozen storage in/on wheat matrices Bayer CropScience, Report No.: MR-282/00, Edition Number: M-072461-01-1 Date: 2001-09-13 Bayer AG, Leverkusen, Germany GLP/GEP: yes, unpublished	N	N		BCS*
KCA 6.1/03	Freitag, T.	2005	Storage stability of Prothioconazole-desthio in/on canola, spinach, sugar beet, tomato, and pea during freezer storage for 24 months (incl. Amendment no. 001 dated 04.06.2007) Report no: MR-07/282 (new)/ MR-066/03 (old) Edition No: M-258955-01-1/M258955-02-1 GLP/GEP: Y Published: N	N	N		BCS*

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
KCA 6.4.2 /01	██████	2001	JAU 6476-desthio - Dairy cattle feeding study Report No.: MR-535/00, Edition Number: M-078342-01-1, Date: 2001-10-15 ██████ GLP/GEP: yes, unpublished	NY	N		BCS*
KCA 6.2.1 /01	Haas, M.; Bornatsch, W.	2000	Metabolism of JAU6476 in spring wheat (after foliar application) Bayer CropScience, Report No.: MR-198/99, Edition Number: M-041657-01-1, EPA MRID No.: 46246141, Date: 2000-07-10 Bayer AG, Leverkusen, Germany GLP/GEP: yes, unpublished	N	N		BCS*
KCA 6.2.1 /04	Vogeler, K.; Sakamoto, H.; Brauner, A.	1993	Metabolism of SXX 0665 in summer wheat Bayer CropScience, Report No.: PF3906, Edition Number: M-008633-01-1, Date: 1993-08-13 Bayer AG, Leverkusen, Germany GLP/GEP: yes, unpublished	N	N		BCS*
KCA 6.2.1 /02	Duah, F. K.; Lopez, R. T.	2004	The metabolism of [triazole-3,5-14 C] JAU 6476 in wheat Bayer CropScience, Report No.: 200733, Edition Number: M-001524-01-1, EPA MRID No.: 46246143, Date: 2004-03-12 Bayer CropScience LP, Stilwell, KS, USA GLP/GEP: yes, unpublished	N	N		BCS*
KCA 6.2.1 /03	Haas, M.	2001	Metabolism of JAU 6476 in spring wheat after seed dressing Bayer CropScience, Report No.: MR-467/99, Edition Number: M-030412-01-3, EPA MRID No.: 46246142, Date: 2001-05-10 Bayer AG, Leverkusen, Germany GLP/GEP: yes, unpublished	N	N		BCS*

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
KCA 6.2.1 /07	Beedle, E. C.; Ying, S. L.	2004	The metabolism of [phenyl-UL-14C]JAU6476 in sugar beets Bayer CropScience, Report No.: 200466, Edition Number: M-001059-01-1, EPA MRID No.: 46246148, Date: 2004-03-11 Bayer CropScience LP, Stilwell, KS, USA GLP/GEP: yes, unpublished	N	N		BCS*
KCA 6.2.1 /08	Beedle, E. C.; Ying, S. L.	2004	The metabolism of [triazole-UL-14C]JAU6476 in sugar beets Bayer CropScience, Report No.: 200467, Edition Number: M-001049-01-1, EPA MRID No.: 46246147, Date: 2004-03-11 Bayer CropScience LP, Stilwell, KS, USA GLP/GEP: yes, unpublished	N	N		BCS*
KCA 6.2.1 /05	Haas, M.	2001	Metabolism of [phenyl-UL-14C]JAU6476 in peanuts Bayer CropScience, Report No.: MR-193/01, Edition Number: M-033059-01-2, EPA MRID No.: 46246145, Date: 2001-11-27 Bayer AG, Leverkusen, Germany GLP/GEP: yes, unpublished	N	N		BCS*
KCA 6.2.1 /06	Haas, M.	2003	Metabolism of [triazole-UL-14C]JAU6476 in peanuts Report No.: MR-194/02, Edition Number: M-103268-01-2, EPA MRID No.: 46246146, Date: 2003-12-01 Bayer CropScience, GLP/GEP: yes, unpublished	N	N		BCS*
KCA 6.6.1 /01	Haas, M.	2001	Confined rotational crop study with JAU6476 Bayer CropScience, Report No.: MR-159/00, Edition Number: M-049955-01-1, EPA MRID No.: 46246225, Date: 2001-05-14 Bayer AG, Leverkusen, Germany GLP/GEP: yes, unpublished	N	N		BCS*

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
KCA 6.5.1 /01	Gilges, M.	2001	Hydrolysis of JAU 6476 under conditions of processing Bayer CropScience, Report No.: MR-166/00, Edition Number: M-035289-01-1, Date: 2001-01-29 Bayer AG, Leverkusen, Germany GLP/GEP: yes, unpublished	N	N		BCS*
KCA 6.2.3 /06	██████	2011	[Triazole-UL-14C]JAU 6476-desthio: Metabolism in the lactating goat Report No.: MEF-11/011, Edition Number: M-404996-02-1, Date: 2011-03-31, ...Amended: 2011-06-16  GLP/GEP: yes, unpublished	<del>N</del> Y	N		BCS*
KCA 6.2.3 /04	██████	2006	[Phenyl-UL-14C]JAU 6476-desthio: Absorption, distribution, excretion and metabolism in the lactating goat - Subsequent identification of metabolite hydrolysis products Report No.: MEF-06/469, Edition Number: M-279178-01-1 Date: 2006-10-10 GLP/GEP: no, unpublished	<del>N</del> Y	N		BCS*
KCA 5.1.2 /01	██████	2003	[Triazole-UL-14C]JAU 6476: Absorption, distribution, excretion, and metabolism in the lactating goat Report No.: MR-448/02, Edition Number: M-116219-02-1 Date: 2003-10-20, ...Amended: 2005-06-06 GLP/GEP: yes, unpublished	<del>N</del> Y	N		BCS*
6.2.2 /02	██████	2003	[Triazole-UL- 14C]JAU6476: Absorption, distribution, excretion, and metabolism in laying hens Report No.: MEF-005/03, Edition Number: M-109936-02-1, Date: 2003-06-23, ...Amended: 2003-07-14 GLP/GEP: yes, unpublished	<del>N</del> Y	N		BCS*

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KCA 6.2.2 /01		2001	[Phenyl-UL-14C]JAU6476 - Absorption, distribution, excretion and metabolism in laying hens Report No.: MR-309/01, Edition Number: M-032686-01-2, EPA MRID No.: 46246202, Date: 2001-10-29 GLP/GEP: yes, unpublished	N	N		BCS*
KCA 7.1.1.1/01 KCA 7.1.2.1.1/01	Hastings MJ Jackson AU	2013	Degradation of 14C-XDE-777 in Four Soils Under Aerobic Conditions (Revision) Report No.: 110492 Dow AgroSciences LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCA 7.1.1.2/01 KCA 7.1.2.1.3	Liu D Balcer J Kish B	2013	Degradation of 14C-XDE-777 in One Soil Under Anaerobic Conditions Report No.: 120539 Dow AgroSciences LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCA 7.1.1.3/01	Cooke L	2013	XDE-777: Soil Photolysis Report No.: 130655 Symbiotic Research, LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCA 7.1.2.1.2/03	Austin R	2013	X12264475: Rate of Degradation under Aerobic Conditions in Four Soils at 20 °C Report No.: 121010 Battelle UK Ltd GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience

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KCA 7.1.2.1.2/04	Seck C	2013	X763024: Rate of Degradation under Aerobic Conditions in Four Soils at 20 °C Report No.: 121012 Battelle UK Ltd GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 7.1.2.1.2/05	Oddy A	2013	X12313581: Rate of Degradation under Aerobic Conditions in Four Soils at 20 °C Report No.: 121011 Battelle UK Ltd GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 7.1.2.1.2/06	Oddy A	2013	X696476: Rate of Degradation under Aerobic Conditions in Four Soils at 20 °C Report No.: 121009 Battelle UK Ltd GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 7.1.2.1.2/07	Oddy A	2013	X11963422: Rate of Degradation under Aerobic Conditions in Four Soils at 20 °C Report No.: 121013 Battelle UK Ltd GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 7.1.2.1.2/08	Ma M Li Q	2014	Degradation of X12255349, X12314005, X12019520, and X12442397 in Four Soils under Aerobic Conditions Report No.: 140543 Dow AgroSciences LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience



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KCA 7.1.2.1.2/09	Liu D Lynn KJ Adusumilli H	2014	Degradation of Multi-Component Region from the XDE-777 Anaerobic Soil Study and the Aerobic Aquatic Study in Two Soils under Aerobic Conditions Report No.: 141023 Dow AgroSciences LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 7.1.2.2.1/01 KCP 9.1.1.2.1/01	Fischer A	2015	Soil Dissipation Study With One Spring Application of GF-2925 (XDE-777) at Five Sites to Bare Soil in Europe in 2013-2015 DAS Report No.: 130672 Eurofins Agrosience Services GmbH GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 7.1.2.2.1/02 KCP 9.1.1.2.1/02	Reeves, G.	2015a	Field Soil Degradation Kinetics for XDE-777 and its Metabolites DAS Report No.: 150411 Dow AgroSciences GLP/GEP (Y/N): N Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 7.1.3.1.1/01 KCA 7.1.3.1.2/01	Liu D Brackman R Zhou X	2013	Batch Equilibrium Adsorption/Desorption of XDE-777 and Adsorption of X642188 Report No.: 120540 Dow AgroSciences LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 7.1.2.1.3/02-07	ZhouX Liu D Brackman R Jonas N	2014	Batch Equilibrium Adsorption of the Aerobic Soil Metabolites of XDE-777 (Revision) Report No.: 121024 Dow AgroSciences LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
KCA 7.1.3.1.2/08	Zhou X	2014	Batch Equilibrium Adsorption of the Soil Photodegradates of XDE-777 Report No.: 140540 Dow AgroSciences LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCA 7.1.3.1.2/09	Blakeslee, B.	2017	Estimation of the Photochemical Oxidation Rates of XDE-777 metabolites X642188, X696872, X12264475, X763024, X12313581, X696476, X11963422, X12314005, X12019520, X12255349, X12335723, X12386481 and X12446477 DAS Report No. 170682 Dow AgroSciences LLC GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCA 7.2.1.1/01	Yoder RN Jackson AU	2014	Hydrolysis of XDE-777 at pH 4, 7, and 9 (Revision) Report No.: 120538 Dow AgroSciences LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCA 7.2.1.1/02	Austin R	2013	Hydrolysis of X642188 at pH 4, 7 and 9 Report No.: 130663 Battelle UK Ltd GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
KCA 7.2.1.1/03	Cooke L	2013	Solubility Determination of XDE-777 in 1% Acetonitrile Co-solvent in Water Report No.: 130599 Symbiotic Research, LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience

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KCA 7.2.1.2/01	Blakeslee BA Jackson AU	2014	Aqueous Photolysis of XDE-777 in pH 7 Buffer under Xenon Light (Revision) Report No.: 110422 Dow AgroSciences LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 7.2.2.1/01	Tunink A	2012	XDE-777: Determination of Ready Biodegradability Using the CO2 Evolution Method Report No.: 120559 ABC Laboratories, Inc. GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 7.2.2.2/01	Adam D	2013	[14C]-XDE-777 – Aerobic Mineralisation in Surface Water – Simulation Biodegradation Test Report No.: 130702 Innovative Environmental Services (IES) Ltd GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 7.2.2.3/01	Adusumilli H Jackson AU	2014	Aerobic Aquatic Degradation of XDE-777 in Two Sediment and Pond Water Systems (Revision) Report No.: 120839 Dow AgroSciences LLC GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
KCA 7.3.1/01	Zhou, X	2013	Estimation of the Photochemical Oxidation Rate of XDE-777 Report No.: 131075 Dow AgroSciences LLC GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
CP 9.1.1.1/1	Reeves G	2014a	Laboratory Soil Degradation Kinetics for XDE-777 and its Aerobic Metabolites for Model Input in the EU Derived From the Parent Applied Study DAS Report No.: 140267 Dow AgroSciences GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience
CP 9.1.1.1/2	Reeves G	2014b	Laboratory Soil Degradation Kinetics for XDE-777 Aerobic Metabolites for Model Input in the EU Derived From the Metabolite Applied Studies DAS Report No.: 140308 Dow AgroSciences GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience
CP 9.1.1.1/3	Reeves G	2014c	Laboratory Degradation Kinetics for XDE-777 Soil Photodegradates for Model Input in the EU Derived From the Metabolite Applied Studies DAS Report No.: 140626 Dow AgroSciences GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience
CP 9.1.1.2.1/1 submitted under CA 7.1.2.2.1/1	Fischer A	2015	Soil Dissipation Study With One Spring Application of GF-2925 (XDE-777) at Five Sites to Bare Soil in Europe in 2013-2015 DAS Report No.: 130672 Eurofins Agrosience Services GmbH GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 9.1.1.2.1/2 Submitted under CA 7.1.2.2.1/2	Reeves, G.	2015a	Field Soil Degradation Kinetics for XDE-777 and its Metabolites DAS Report No.: 150411 Dow AgroSciences GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience

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 9.1.1.2.1/3  Submitted under CA 7.1.2.2.1/3	Li Q Slinkard, E W	2015	Frozen Storage Stability of XDE-777 and its Metabolites in Soil – 5 Month Interim Report DAS Report No.: 141045 Dow AgroSciences GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
CP 9.2.2/1	Reeves G	2014d	Laboratory Water/Sediment Degradation Kinetics for XDE-777 and its Metabolites for Model Input in the EU Derived From the Parent Applied Study DAS Report No.: 140309 Dow AgroSciences GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience
CP 9.2.4.1/1	Reeves G	2014e	Modelling the Leaching of XDE-777 and its Aerobic Soil Metabolites to Groundwater in the EU DAS Report No.: 140269 Dow AgroSciences GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience
CP 9.2.4.1/2	Reeves G	2014f	Modelling the Leaching of Three Soil Photodegradates of XDE-777 to Groundwater in the EU DAS Report No.: 141067 Dow AgroSciences GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience
CP 9.2.4.1/3	Reeves	2015b	Modelling the Leaching of XDE-777 to Groundwater in the EU When Using a Field DT50 DAS Report No.: 150551 Dow AgroSciences GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience

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 9.2.5/1	Reeves G	2015c	Modelling the Predicted Environmental Concentrations of XDE-777 and its Metabolites in Surface Water and Sediment in the EU Using a 10-12 m VBS DAS Report No.: 150623 Dow AgroSciences GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience
CP 9.2.5/2	Reeves G	2015d	Modelling the Predicted Environmental Concentrations of XDE-777 and its Metabolites in Surface Water and Sediment in the EU Using a Field DT50 DAS Report No.: 150552 Dow AgroSciences GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience
CA 8.1.1.1 /1	██████	2012	XR-777: An Acute Oral Toxicity Study with the Northern Bobwhite Using a Sequential testing Procedure DAS Report No.: 110247 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
CA 8.1.1.3 /1	██████	2013	XDE-777 TGAI: A Reproduction Study with the Northern Bobwhite DAS Report No.: 120384 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
CA 8.1.1.3/2	██████	2015	XDE-777: Reproductive Toxicity Test with the Northern Bobwhite ( <i>Colinus virginianus</i> ) (Amended report) DAS Report No.: 140424 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience

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
CA 8.1.1.3/3	Valverde P	2016	XDE-777: Comparative analysis of historical control data in the reproductive toxicity tests with the northern bobwhite ( <i>Colinus virginianus</i> ). DAS Study No. 120384A Lab: Wildlife International; Dow AgroSciences; GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience
CA 8.1.1.3/4	Valverde P	2016	XDE-777: Comparative analysis of historical control data in the reproductive toxicity tests with the northern bobwhite ( <i>Colinus virginianus</i> ). DAS Study No. 140424B Lab: Smithers Viscient; Dow AgroSciences; GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience
CA 8.2.1 /1	██████	2012	XR-777 - Acute Toxicity to Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Under Flow-Through Conditions, Following OECD Guideline #203 DAS Report No.: 110213 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience
CA 8.2.1 /2	██████	2012	XDE-777 Technical: Acute Toxicity to the Common Carp, <i>Cyprinus carpio</i> , Determined Under Flow-Through Test Conditions DAS Report No.: 120392 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 dated 21 March 2023)	Corteva Agriscience

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
CA 8.2.1 /3	██████	2012	X642188 Metabolite: Acute Toxicity Test with the Rainbow Trout, <i>Oncorhynchus mykiss</i> , Determined Under Flow-Through Test Conditions DAS Report No.: 120382 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.1/4	██████	2014	X11963422 (a metabolite of XDE-777): Acute Toxicity to the Rainbow Trout, <i>Oncorhynchus mykiss</i> , Determined Under Static-Renewal Test Conditions (Revision) DAS Report No.: 130361 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.1/5	██████	2014	X12264475 (a metabolite of XDE-777): Acute Toxicity to the Rainbow Trout, <i>Oncorhynchus mykiss</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130360 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.1/6	██████	2014	X12313581 (a metabolite of XDE-777): Acute Toxicity to the Rainbow Trout, <i>Oncorhynchus mykiss</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130362 ██████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience



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
CA 8.2.1/7	████	2014	X696872 (a metabolite of XDE-777): Acute Toxicity to the Rainbow Trout, <i>Oncorhynchus mykiss</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130363 ████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.1/8	████	2014	X696476 (a metabolite of XDE-777): Acute Toxicity to the Rainbow Trout, <i>Oncorhynchus mykiss</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130364 ████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.1/9	████	2014	X12314005 (a metabolite of XDE-777): Acute Toxicity to the Rainbow Trout, <i>Oncorhynchus mykiss</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130365 ████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.1/10	████	2015	X12255349 (a metabolite of XDE-777): Acute toxicity to the Rainbow Trout, <i>Oncorhynchus mykiss</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 141000 ████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.1	████	2016	XDE-777: Acute Toxicity to the Zebra Fish, <i>Danio rerio</i> , Determined Under Flow-Through Test Conditions DAS Report No. 160129 ████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
CA 8.2.1	████	2016	XDE-777: Acute Toxicity to the Fathead minnow, Pimephales promelas, Determined Under Flow-Through Test Conditions DAS Report No. 160130 ████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.1	████	2016	XDE-777: Acute Toxicity to the Bluegill, Lepomis macrochirus, Determined Under Flow-Through Test Conditions DAS Report No. 161022 ████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.2.1 /1	████	2012	XR-777 TGAI – Early Life-Stage Toxicity Test with Fathead Minnow, Pimephales promelas, Following OECD Guideline #210 ████ DAS Report No.: 110214 GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.2.1/2	████	2016	XDE-777: Investigation of Larval Toxicity to the Fathead Minnow (Pimephales promelas) Under Static Conditions in a Water-Sediment System DAS Report No. 160128 ████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.2.3/1	████	2014	XDE-777: Investigation of bioconcentration in zebrafish ( <i>Danio rerio</i> ) under flow-through conditions DAS Report No.: 130983 ████ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
CA 8.2.2.3/2	■■■■	2015	14C-X696476: Bioconcentration and Metabolism Study with Zebrafish, Danio rerio DAS Report No.: 140481 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.2.3/3	■■■■	2014	14C-X12019520: Bioconcentration and Metabolism Study with Zebrafish, Danio rerio DAS Report No.: 140480 ■■■■ GLP/GEP (Y/N): Yes Published (Y/N): No	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1 /1	Fournier A	2012	XR-777 TGAI - Acute Toxicity to Water Fleas (Daphnia magna) Under Static-Renewal Conditions, Following OECD Guideline #202 and JMAFF 12 NohSan, No. 8147 Daphnia Acute Immobilization Test (2-7-2-1) Data Requirement OECD Guideline 202 JMAFF 12 NohSan, No. 8147 (Revision) DAS Report No.: 110215 Smithers Viscient GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1 /2	Holou M	2013	X642188 Metabolite: Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 120381 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
CA 8.2.4.1/03	Romine J	2014	X11963422 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130372 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1/04	Huffman	2014	X12264475 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130371 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1/05	Romine J	2014	X12313581 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130373 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1/06	Stadler T	2014	X696872 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130374 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CA 8.2.4.1/07	Stadler T	2014	X696476 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130375 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1/08	Dinehart S	2014	X12314005 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determine Under Static-Renewal Test Conditions DAS Report No.: 130376 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1/09	Stadler T	2014	X12386481 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130379 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1/10	Romine J	2014	X763024 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130378 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CA 8.2.4.1/11	Romine J	2014	X12019520 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130380 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1/12	Dinehart S	2014	X12335723 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130377 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1/13	Romine J	2014	X12393285 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130383 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1/14	Lamichhane K	2014	X12255349 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Exposed Under Static-Renewal Test Conditions DAS Report No.: 140484 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CA 8.2.4.1/15	Lamichhane K	2014	X12446477 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Exposed Under Static-Renewal Test Conditions DAS Report No.: 140485 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1/16	Romine J	2014	X12442397 (sodium salt of X12399889, a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 130382 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.1/17	Dinehart S	2015	X12442403 (a metabolite of XDE-777): Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions DAS Report No.: 140486 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.2/1	Lamichhane K	2014	XDE-777 TGAI: Acute Toxicity to the Cladoceran, <i>Daphnia pulex</i> , Exposed Under Static-Renewal Test Conditions DAS Report No.: 140483 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.2/2	VanHooser, A.	2015a	XDE-777: Acute toxicity to the Freshwater Midge, Chironomus riparius, Determined Under Static-Renewal Test Conditions DAS Report No.: 141002 ABC Laboratories, Inc. GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CA 8.2.4.2/3	VanHooser, A.	2015b	X642188 (a metabolite of XDE-777): Acute toxicity to the Freshwater Midge, Chironomus riparius, Determined Under Static-Renewal Test Conditions DAS Report No.: 141003 ABC Laboratories, Inc. GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.4.2/4	Hadsell, R.	2015	X12255349 (a metabolite of XDE-777): Acute toxicity to the Freshwater Midge, Chironomus riparius, Determined Under Static-Renewal Test Conditions DAS Report No.: 141004 ABC Laboratories, Inc. GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.5/2	Lamichhane, K.	2015	X12255349 (a metabolite of XDE-777): Population Effects Study in an Indoor Aquatic Microcosm with Daphnia magna DAS Report No. 140999 ABC Laboratories GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.5.1 /1	Fournier A	2012	XR-777 TGAI: Full Life-Cycle Toxicity Test with Water Fleas, Daphnia magna, Under Static Renewal Conditions Following OECD Guideline #211 DAS Report No.: 110216 Smithers Viscient GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.6.1 /1	Rebstock M	2013	XDE-777: Growth Inhibition Test with the Unicellular Green Alga, Pseudokirchneriella subcapitata DAS Report No.: 120383 ABC Laboratories, Inc GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience



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CA 8.2.6.1 /2	Rebstock M	2013	X642188 metabolite: Growth Inhibition Test with the Unicellular Green Alga, <i>Pseudokirchneriella subcapitata</i> DAS Report No.: 120380 ABC Laboratories, Inc GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.6.1 /3	Bergfield A	2014	X11963422 (a metabolite of XDE-777): Growth Inhibition Test with the Unicellular Green Alga, <i>Pseudokirchneriella subcapitata</i> DAS Report No.: 130385 ABC Laboratories, Inc GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.6.1 /4	Aufderheide, J.	2014	X12264475 (a metabolite of XDE-777): Growth Inhibition Test with the Unicellular Green Alga, <i>Pseudokirchneriella subcapitata</i> DAS Report No.: 130384 ABC Laboratories, Inc GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.2.6.1 /5	Aufderheide, J.	2015	X12255349 (a metabolite of XDE-777): Growth Inhibition Test with the Unicellular Green Alga, <i>Pseudokirchneriella subcapitata</i> DAS Report No.: 141001 ABC Laboratories, Inc GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.3.1.1.1/1 CA 8.3.1.1.2/1	Schmitzer S	2012	Effects of XR-777 (Acute Contact and Oral) on Honey Bees ( <i>Apis mellifera</i> L.) in the Laboratory DAS Report No.: 110168/110169 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
CA 8.3.1.1.1/2 CA 8.3.1.1.2/2	Schmitzer S	2014	XDE-777: Acute Contact and Oral Effects on Honey Bees ( <i>Apis mellifera</i> L.) in the Laboratory DAS Report No.: 140217/140221 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.3.1.1.1/3	Schmitzer S	2012	Effects of X642188 (metabolite of XR-777) (Acute Oral Test) on Honey Bees ( <i>Apis mellifera</i> L.) in the Laboratory DAS Report No.: 120379 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.3.1.1.1/4	Schmitzer S	2014	X696476 (a metabolite of XDE-777): Acute Oral Effects on Honey Bees ( <i>Apis mellifera</i> L.) in the Laboratory DAS Report No.: 140215 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.3.1.1.1/5	Schmitzer S	2014	X12019520 (a metabolite of XDE-777): Acute Oral Effects on Honey Bees ( <i>Apis mellifera</i> L.) in the Laboratory DAS Report No.: 140216 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
CA 8.3.2.1 /1	Moll M	2013	Effects of XDE-777 on the Parasitoid Aphidius rhopalosiphi in the Laboratory (Tier I) - Dose Response Test - (Revision) DAS Report No.: 110170 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.3.2.2 /1	Schwarz A	2013	Effects of XDE-777 on the Predatory Mite Typhlodromus pyri in the Laboratory (Tier I) - Dose Response Test – (Revision) DAS Report No.: 110171 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.1 /1	Ganßmann M	2012	Effects of XDE-777 TGAI on Reproduction and Growth of Earthworms Eisenia fetida in Artificial Soil with 5% Peat DAS Report No.: 110172 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.1 /2	Ganßmann M	2012	Effects of X642188 (metabolite of XDE-777) on Reproduction and Growth of Earthworms Eisenia fetida in Artificial Soil with 5% Peat DAS Report No.: 120378 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
CA 8.4.1 /3	Ganßmann M	2013	X11963422 (a metabolite of XDE-777): Effects on Reproduction and Growth of Earthworms <i>Eisenia fetida</i> in Artificial Soil with 10% Peat DAS Report No.: 130204 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.1 /4	Ganßmann M	2013	X12264475 (a metabolite of XDE-777): Effects on Reproduction and Growth of Earthworms <i>Eisenia fetida</i> in Artificial Soil with 10% Peat DAS Report No.: 130203 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.1 /5	Ganßmann M	2014	X696476 (a metabolite of XDE-777) Effects on Reproduction and Growth of Earthworms <i>Eisenia fetida</i> in Artificial Soil with 10% Peat DAS Report No.: 140235 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.1 /6	Witte, B	2015	X12255349 (a metabolite of XDE-777) Effects on Reproduction and Growth of Earthworms <i>Eisenia fetida</i> in Artificial Soil DAS Report No.: 141006 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
CA 8.4.2.1 /1	Ganßmann M	2012	Effects of XDE-777 TGAI on Reproduction of the Collembola Folsomia candida in Artificial Soil with 5% Peat DAS Report No.: 120385 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.2.1 /2	Ganßmann M	2012	Effects of XDE-777 TGAI on Reproduction of the Predatory Mite Hypoaspis aculeifer in Artificial Soil with 5% Peat DAS Report No.: 120386 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.2.1 /3	Ganßmann M	2012	Effects of X642188 (metabolite of XDE-777) on Reproduction of the Collembola Folsomia candida in Artificial Soil with 5% Peat DAS Report No.: 120387 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.2.1 /4	Ganßmann M	2012	Effects of X642188 (metabolite of XDE-777) on Reproduction of the Predatory Mite Hypoaspis aculeifer in Artificial Soil with 5% Peat DAS Report No.: 120388 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CA 8.4.2.1 /5	Ganßmann M	2013	X11963422 (a metabolite of XDE-777): Effects on Reproduction of the Collembola <i>Folsomia candida</i> in Artificial Soil with 5% Peat DAS Report No.: 130208 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.2.1 /6	Ganßmann M	2013	X11963422 (a metabolite of XDE-777): Effects on Reproduction of the Predatory Mite <i>Hypoaspis aculeifer</i> in Artificial Soil with 5% Peat DAS Report No.: 130210 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.2.1 /7	Ganßmann M	2013	X12264475 (a metabolite of XDE-777): Effects on Reproduction of the Collembola <i>Folsomia candida</i> in Artificial Soil with 5% Peat DAS Report No.: 130207 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.2.1 /8	Ganßmann M	2013	X12264475 (a metabolite of XDE-777) on Reproduction of the Predatory Mite <i>Hypoaspis aculeifer</i> in Artificial Soil with 5% Peat DAS Report No.: 130209 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CA 8.4.2.1 /9	Ganßmann M	2014	X696476 (a metabolite of XDE-777): Effects on Reproduction of the Collembola <i>Folsomia candida</i> in Artificial Soil with 5% Peat DAS Report No.: 140229 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.2.1 /10	Ganßmann M	2014	X696476 (a metabolite of XDE-777): Effects on Reproduction of the Predatory Mite <i>Hypoaspis aculeifer</i> in Artificial Soil with 5% Peat DAS Report No.: 140232 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.2.1 /11	Witte, B	2015 a	X12255349 (a metabolite of XDE-777): Effects on Reproduction of the Collembola <i>Folsomia candida</i> in Artificial Soil with 5% Peat DAS Report No.: 141007 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.4.2.1 /12	Witte, B	2015 b	X12255349 (a metabolite of XDE-777): Effects on Reproduction of the Predatory Mite <i>Hypoaspis aculeifer</i> <i>Folsomia candida</i> in Artificial Soil with 5% Peat DAS Report No.: 141008 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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
CA 8.5 /1	Hammesfahr U	2012	Effects of XDE-777 on the Activity of the Soil Microflora in the Laboratory DAS Report No.: 110173 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): Yes	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.5 /2	Hammesfahr U	2012	Effects of X642188 (metabolite of XDE-777) on the Activity of the Soil Microflora in the Laboratory DAS Report No.: 120377 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): Yes	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.5 /3	Hammesfahr U	2013	X11963422 (a metabolite of XDE-777): Effects on the Activity of the Soil Microflora in the Laboratory DAS Report No.: 130206 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): Yes	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.5 /4	Hammesfahr U	2013	X12264475 (a metabolite of XDE-777): Effects on the Activity of the Soil Microflora in the Laboratory DAS Report No.: 130205 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): Yes	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience



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
CA 8.5 /5	Hammesfahr U	2014 a	X696476 (a metabolite of XDE-777): Effects on the Activity of the Soil Microflora in the Laboratory DAS Report No.: 140238 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): Yes	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.5 /6	Hammesfahr U	2014 b	X12255349 (a metabolite of XDE-777): Effects on the Activity of the Soil Microflora in the Laboratory (Nitrogen Transformation) DAS Report No.: 141009 Institut für Biologische Analytik und Consulting IBACON GmbH GLP/GEP (Y/N): Yes Published (Y/N): Yes	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CA 8.8 /1	Griffith A	2012	XR-777 TGAI - Activated Sludge Respiration Inhibition Test Following OECD Guideline 209 DAS Report No.: 110217 Smithers Viscient GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.1.1.1/1	██████	2012	GF-2925: An acute oral toxicity study with the Northern Bobwhite using a sequential testing procedure DAS Report No.: 120389 ██████ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.2.1/1	██████	2013	GF-2925: Acute Toxicity to the Rainbow Trout, <i>Oncorhynchus mykiss</i> , Determined Under Static-Renewal Test Conditions (Revision) DAS Report No.: 120374 ██████ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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 10.2.1/2	Stadler T Lamichhane K	2014	GF-2925: Acute Toxicity to the Cladoceran, <i>Daphnia magna</i> , Determined Under Static-Renewal Test Conditions (Revision) DAS Report No.: 120375 ABC Laboratories GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.2.1/3	Holou M	2013	GF-2925: Growth inhibition test with the unicellular green alga, <i>Pseudokirchneriella subcapitata</i> DAS Report No.: 120376 ABC Laboratories, Inc. GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.2.3/01	■■■■	2014	GF-2925 (126 g/L): GF-2925 (126 g/L XDE-777): Investigation of larvae toxicity of fathead minnow ( <i>Pimephales promelas</i> ) under static conditions in a water sediment system DAS Report No.: 130367 ■■■■ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.2.3/02	■■■■	2014	GF-2925 (132 g/L): GF-2925 (132 g/L XDE-777): Investigation of larvae toxicity of rainbow trout ( <i>Oncorhynchus mykiss</i> ) under static conditions in a water sediment system DAS Report No.: 130368 ■■■■ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.2.3/03	■■■■	2014	GF-2925 (126 g/L XDE-777): Full Life Cycle test with the Zebrafish ( <i>Danio rerio</i> ) under static conditions in a water sediment system DAS Report No.: 121049 ■■■■ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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 10.2.3/04	████	2014	XDE-777: Community level study in outdoor aquatic mesocosms DAS Report No.: 130984 ████ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.2.3/05	Kramer V	2014	Prediction of Octanol-Water Partition Coefficient, Acid Dissociation Constant, Fish Bioconcentration and Aquatic Toxicity of Metabolites of XDE-777 using Computerized Quantitative Structure-Activity Relationships DAS Report No.: 141106 Dow AgroSciences LLC GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience
CP 10.2. 3/06	Mueller, J.	2015	XDE-777 metabolites: Analysis in aqueous and sediment samples of the outdoor mesocosm study DAS Report No.: 140860 Fraunhofer Institute GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.2.3/07	████	2016	GF-2925 (126 g/L XDE-777): Investigation of larvae toxicity of fathead minnow ( <i>Pimephales promelas</i> ) under static conditions in a water sediment system DAS Report No.: 130367, 1st study report ammendment ████ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.2.3/08	████	2014	GF-2925 (132 g/L XDE-777): Investigation of larvae toxicity of rainbow trout ( <i>Oncorhynchus mykiss</i> ) under static conditions in a water sediment system DAS Report No.: 130368, 1st study report ammendment ████ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CP 10.2.3/09	■■■■■	2014	GF-2925 (126 g/L XDE-777): Full Life Cycle test with the Zebrafish ( <i>Danio rerio</i> ) under static conditions in a water sediment system DAS Report No.: 121049, 1st study report ammendment ■■■■■ GLP/GEP (Y/N): Y Published (Y/N): N	Y	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.2.3/10	Kramer V, Lopez-Mancisidor P	2016	Additional Summary Information on the Scientific Reliability of the XDE-777 Mesocosm Study Supporting the Assignment of an Assessment Factor of 2 for Derivation of the ETO-RAC for Aquatic Invertebrate and Plant Communities No study number Dow AgroSciences GLP/GEP (Y/N): N Published (Y/N): N	N	N		Corteva Agriscience
CP 10.3.1.1.1/1 CP 10.3.1.1.2/1	Schmitzer S	2012	Effects of GF-2925 (Acute Contact and Oral) on Honey Bees ( <i>Apis mellifera</i> L.) in the Laboratory DAS Report No.: 120370, 120371 IBACON GmbH GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.3.1.1.1/2 CP 10.3.1.1.2/2	Schmitzer S	2014	GF-2925: Acute Contact and Oral Effects on Honey Bees ( <i>Apis mellifera</i> L.) in the Laboratory DAS Report No.: 140218, 140222 IBACON GmbH GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.3.2.1/1	Schwarz A	2012	Effects of GF-2925 on the Predatory Mite <i>Typhlodromus pyri</i> in the Laboratory (Tier I) - Dose Response Test DAS Report No.: 110174 IBACON GmbH GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CP 10.3.2.1/2	Moll M	2012	Effects of GF-2925 on the Parasitoid <i>Aphidius rhopalosiphi</i> in the Laboratory (Tier I) - Dose Response Test DAS Report No.: 110175 IBACON GmbH GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.4.1.1/1	Ganßmann M	2012a	Effects of GF-2925 on Reproduction and Growth of Earthworms <i>Eisenia fetida</i> in Artificial Soil with 5% Peat DAS Report No.: 120373 IBACON GmbH GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.4.2.1/1	Ganßmann M	2012b	Effects of GF-2925 on Reproduction of the Collembola <i>Folsomia candida</i> in Artificial Soil with 5% Peat DAS Report No.: 120390 IBACON GmbH GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.4.2.1/2	Ganßmann M	2012c	Effects of GF-2925 on Reproduction of the Predatory Mite <i>Hypoaspis aculeifer</i> in Artificial Soil with 5% Peat DAS Report No.: 120391 IBACON GmbH GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.5/1	Hammesfahr U	2012	Effects of GF-2925 on the Activity of the Soil Microflora in the Laboratory DAS Report No.: 120372 IBACON GmbH GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

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CP 10.6.2/1	Friedemann A Teresiak H	2012a	Evaluation of the Phytotoxicity of GF-2925 (XDE-777 130 g as/L, SC), GLP Vegetative Vigour Test DAS Report No.: 110093 agro-check GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience
CP 10.6.2/2	Friedemann A Teresiak H	2012b	Evaluation of the Phytotoxicity of GF-2925 (XDE-777 130 g as/L SC), GLP Seedling Emergence and Seedling Growth Test DAS Report No.: 110094 agro-check GLP/GEP (Y/N): Y Published (Y/N): N	N	Y	Data protection started with : QUESTAR (registration n°R-67/2023 <b>dated 21 March 2023</b> )	Corteva Agriscience

**List of data submitted by the applicant and not relied on**

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KCA 6.3.1/2	Semrau, J., Thomas, B.	2019	Residues of Fenpicoxamid and Prothioconazole in Barley at Interval and at Harvest Following Two Applications of GF-3307 – Southern and Northern Europe – 2017 and 2018. Report No. S17-01904/ 170191. Eurofins AgroScience Services GmbH, Carl-Goerdeler-Weg 5 21684 Stade, Germany GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data protection started with : QUEEN (registration n°R-140/2023)	Corteva Agriscience
KCA 6.10.1/1 KCP 10.3.1.6/1	Appeltauer, A	2021	Determination of Residues of Fenpicoxamid and Prothioconazole in Nectar, Pollen and Plants of Winter Oilseed Rape after One Application of GF-3307 in a Semi-Field Residue Study in Central and Southern Europe in 2020. DAS Report No.: 200670 Eurofins Agrosience Services Ltd	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience

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
			GLP/GEP (Y/N): Y Published (Y/N): N				
KCA 6.10.1/2	Appeltauer, A.	2020	Determination of residues of prothioconazole and its metabolites in honey after two applications of PTZ EC 250 in winter oilseed rape at 5 sites in Northern and Southern Europe in 2019. Bayer Report No.: M-682401-01-1 / Study Number: S19-00902 Eurofins Agrosience Services Ltd GLP/GEP (Y/N): Y Published (Y/N): Y	N	N		BCS*
KCP 9.1.1.2.1/01 9.2.4 9.2.5	Hardy, I. A. J.	2012	Kinetic modelling analysis of prothioconazole from field soil residue studies conducted in Europe normalised to 20°C and pF2 Bayer CropScience, Report No.: VC/11/022F, Edition Number: M-429069-01-1, Date: 2012-04-11 Battelle UK Ltd., Ongar, Essex, United Kingdom GLP/GEP (Y/N): N Published (Y/N): N	N	N	-	BCS*
KCP 9.2/01 9.2.1 9.2.2 9.2.3	Schad, T. & Zerbe, P.	2008	Dissipation of prothioconazole and JAU6476-desthio under field conditions in Europe, Kinetic evaluation and calculation of non-referenced DT50 Report No.: M298575-01-1 Bayer Crop Science, GLP/GEP (Y/N): N Published (Y/N): N	N	N	-	BCS*
KCP 10.3.1.1.1/3	Cornement, M., Morgenthal, K.	2022	XDE-777 TGAI - Acute Oral and Contact Toxicity to Bumble Bees ( <i>Bombus terrestris</i> ) under Laboratory Conditions Corteva Report No. 201076 IES GLP/GEP (Y/N): Yes Published (Y/N): No	N	Y	Data/study report never submitted before to Poland	Corteva Agriscience
KCA 6.10/01	Stuke, S.	2013	Determination of the dislodgeable foliar residues (DFR) of prothioconazole in/on wheat after spray application of JAU 6476 & KWG 4168 EC 460 in the field in Germany Company Report No. M-455270-01-1 Source: Bayer Crop Science	N	N		BCS*

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
			GLP Unpublished				
KCA 6.10/02	Stuke, S.	2015	Determination of the dislodgeable foliar residues (DFR) of prothioconazole and BYF 00587 in/on wheat after spraying of Bixafen & Prothioconazole EC 225 in the field in France (North) and Portugal Company Report No. M-507834-01-1 Source: Bayer Crop Science GLP Unpublished	N	N		BCS*
KCP 10.2.1/11	Gonsior, G.	2025	Fenpicoxamid: Acute Immobilisation Toxicity Test with the Mayfly ( <i>Cloeon dipterum</i> ) under Semi-Static Conditions Corteva Report No. 2025-0642 Lab Report No. G25-10 GG BioTech Design GmbH, Homberg (Ohm), Germany GLP/GEP (Y/N): Y Published (Y/N): N	N	N		Corteva Agriscience
KCP 10.2.1/12	Goudie, O.J.	2020	X642188 (a metabolite of XDE-777): Toxicity Test with the Cladoceran, <i>Daphnia magna</i> , Conducted Under Pulse-Dosed, Static-Renewal Conditions Corteva Report No. 191071 Lab Report No. 88456 Eurofins EAG Agrosience LLC, Columbia, Missouri, USA GLP/GEP (Y/N): Y Published (Y/N): N	N	N		Corteva Agriscience

**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
-	-	-	-	-	-	-	-