REGISTRATION REPORT
Part A
Risk Management

Product code: GLOB2112dH
Product name: Walkover Trio
Chemical active substance:
Thiencarbazone-methyl, 75 g/L
Mesotrione, 375 g/L

Central Zone
Zonal Rapporteur Member State: Poland

NATIONAL ASSESSMENT Poland
(authorization)

Applicant: Globachem NV
Submission date: September 2024
zRMS Assessment : 31/03/2025
Version after commenting: 03/07/2025
List of references update: 10/07/2025

GAP correction: 25/08/2025

Version history

When	What
September 2024	Initial dossier submision by applicant for approval of new product.
March 2025	zRMS assessment
July 2025	After commenting round
July 2025	List of references update
August 2025	GAP correction (uses for PL)

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PART A
RISK MANAGEMENT

1 Details of the application

1.1 Application background

This application was submitted by Globachem NV in September 2024.

The application was for approval of GLOB2112dH, a suspension concentrate containing 375 g/L mesotrione and 75 g/L thiencarbazone-methyl for use as an herbicide in maize for which Poland was designated zRMS.

1.2 Letters of Access

A letter of access from Syngenta to a generic wildlife study was submitted.
A letter of access from Syngenta to mesotrione data was submitted.

1.3 Justification for submission of tests and studies

The application is for approval of a new product. It follows the data requirements for the active substance laid down in Regulation (EC) No. 283/2013 and the data requirements for the plant protection product laid down in Regulation (EC) No. 284/2013.

1.4 Data protection claims

Data protection is claimed for all documents and data included in this dossier. No part of the document or any information contained therein may be disclosed to any third party without the prior written authorisation of Globachem NV.

2 Details of the authorization decision

2.1 Product identity

Product code	GLOB2112dH
Product name in MS	Walkover Trio
Authorization number	/
Function	Herbicide
Applicant	Globachem NV
Active substance(s) (incl. content)	Mesotrione: 375 g/L Thiencarbazone-methyl: 75 g/L
Formulation type	SC

Packaging	0.1-20 L, HDPE; HDPE-F; HDPE/PA; HDPE-EVOH
Coformulants of concern for national authorizations	-
Restrictions related to identiy	-
Mandatory tank mixtures	-
Recommended tank mixtures	-

2.2 Conclusion

Insert information on the decision taken.

The evaluator also verified whether the co-formulants contained in plant protection product Walkover Trio (Product code: GLOB2112dH) are listed in Annex III to Regulation (EC) No 1107/2009 and/or could be considered unacceptable based on the criteria indicated in the Annex to the Commission Implementing Regulation (EU) 2023/574 of 13 March 2023.

Based on the currently available MSDSs and other information provided by applicant or manufacturer of co-formulant, the product Walkover Trio (Product code: GLOB2112dH) does not contain any unacceptable co-formulant/ingredient listed in the Commission Regulation (EU) 2021/383 amending Annex III to Regulation (EC) No 1107/2009.

According to the current knowledge and available information none of the co-formulants in the plant protection product Walkover Trio (Product code: GLOB2112dH) meets the Annex to Regulation (EU) 2023/574 criteria for identification of co-formulants that are unacceptable for inclusion in a plant protection products. Taking this into account, none of the co-formulants/ingredients in this product is considered to be a candidate for inclusion in Annex III of Regulation (EU) 1107/2009.

2.3 Substances of concern for national monitoring

There are no substances of concern for national monitoring.

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:	Repr. 2, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1

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:	**GHS08, GHS09**
Signal word:	**Warning**
Hazard statement(s):	**H361 –Suspected of damaging the unborn child** **H373, - May cause damage to organs (eyes, nervous system) through**

	prolonged or repeated exposure ~~**H400, Very toxic to aquatic life.**~~ **H410 - Very toxic to aquatic life with long lasting effects.**
Precautionary statement(s):	**P201~~,~~ - Obtain special instructions before use.** **P202~~,~~ - Do not handle until all safety precautions have been read and understood.** **P260~~,~~ - Do not breathe spray.** P273 - Avoid release to the environment. **P28~~10,~~ Wear protective gloves, protective clothing, eye protection or face protection.** **P308+P313~~,~~ - IF exposed or concerned: Get medical advice/attention.** P314~~,~~ - Get medical advice/attention if you feel unwell. **P391~~,~~ - Collect spillage.** **P405~~,~~ - Store locked up.** P501 - Dispose of contents/container to…
Additional labelling phrases:	To avoid risks to man and the environment, comply with the instructions for use. [**EUH401**]
	Contains 1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5), ~~2-methyl-4-isothiazolin-3-one (CAS No. 2682-20-14) and a mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (CAS No. 55965-84-9).~~ May produce an allergic reaction. [**EUH208**]

Special rule for labelling of plant protection product (PPP):	
EUH401	To avoid risks to man and the environment, comply with the instructions for use.

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).

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

-	-

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:	
~~P201~~	~~Obtain special instructions before use.~~
~~P202~~	~~Do not handle until all safety precautions have been read and understood.~~
~~P260~~	~~Do not breathe spray.~~
P28~~1~~0	~~Use personal protective equipment as required.~~ Wear protective gloves, protective clothing, eye protection or face protection.
~~P308+P313~~	~~IF exposed or concerned: Get medical advice/attention.~~

~~P314~~	~~Get medical advice/attention if you feel unwell.~~
Integrated pest management (IPM)/sustainable use:	
-	-
Environmental protection	
P273	Avoid release to the environment.
P391	Collect spillage.
SPe3	To protect aquatic organisms respect an unsprayed buffer zone of 10 m including a 10 m vegetated filter strip for the dose rate of 0.2 L/ha. To protect aquatic organisms respect an unsprayed buffer zone of 10 m including a 10 m vegetated filter strip for the dose rate of 0.13 L/ha on soils with pH below 7.9. To protect aquatic organisms respect an unsprayed buffer zone of 10 m including a 10 m vegetated filter strip for the banded application of 0.2 L/ha on soils with pH below 5.1.
SPe3	To protect non-target plants respect an unsprayed buffer zone of ~~1~~5 m or 50% drift reducing techniques ~~or 5 m~~ to non-agricultural land.
Other specific restrictions	
EUH401	To avoid risks to man and the environment, comply with the instructions for use.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)~~, 2-methyl-4-isothiazolin-3-one (CAS No. 2682-20-1) and a mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (CAS No. 55965-84-9).~~ May produce an allergic reaction.

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

Integrated pest management (IPM)/sustainable use:	
-	-

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.
-	-	
Environmental protection:		Relevant for use no.
-	-	

2.6 Intended uses (only NATIONAL GAP)

GAP rev. 1.0, date: 2024-06-10

PPP (product name/code):	Walkover Trio/GLOB2112dH	Formulation type:	SC[a, b]
Active substance 1:	Thiencarbazone-methyl	Conc. of as 1:	75 g/L[c]
Active substance 2:	Mesotrione	Conc. of as 2:	375 g/L[c]
Safener:	Cyprosulfamide	Conc. of safener:	112 g/L[c]
Synergist:	/	Conc. of synergist:	/
Applicant:	Globachem NV	Professional use:	☒
Zone(s):	central [d]	Non professional use:	☐
Verified by MS:	yes/no		

Field of use: herbicide

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Use-No. [e]	**Member state(s)**	**Crop and/ or situation** **(crop destination / purpose of crop)**	**F, Fn, Fpn G, Gn, Gpn or I**	**Pests or Group of pests controlled** (additionally: developmental stages of the pest or pest group)	**Application**				**Application rate**			**PHI** (days)	**Remarks:** e.g. g safener/synergist per ha [f]	**zRMS Conclusion (efficacy)**
					Method / Kind	Timing / Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	L product / ha a) max. rate per appl. b) max. total rate per crop/season	g as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max			
Zonal uses (field or outdoor uses, certain types of protected crops)														
1	PL	Maize (ZEAMX)	F	POLCO , THLAR , CAPBP, SOLNI.	Downwards spraying – Broadcast application	BBCH 10-18	a) 1 b) 1	/	a) 0.2 b) 0.2	a) Thiencarbazone-methyl: 15 + Mesotrione: 75 b) Thiencarbazone-methyl 15 + Mesotrione: 75	100 – 300	N/A	Safener: 22.4 g/ha cyprosulfamide	
3	PL	Maize (ZEAMX)	F	CAPBP, POLCO, THLAR	Downwards spraying – Broadcast application	BBCH 10-18	a) 1 b) 1	/	a) 0.13 b) 0.13	a) Thiencarbazone-methyl: 9.75 + Mesotrione: 48.75 b) Thiencarbazone-	100 – 300	N/A	Safener: 14.6 g/ha cyprosulfamide Optional lower	

										methyl 9.75 + Mesotrione: 48.75			rate as backup or dose range.	
5	PL,	Maize (ZEAMX)	F	POLCO , THLAR , CAPBP, SOLNI.	Downwards spraying – Banded application (50% of field)	BBCH 10-18	a) 1 b) 1	/	a) 0.2 b) 0.2	a) Thiencarbazone-methyl: 15 + Mesotrione: 75 b) Thiencarbazone-methyl 15 + Mesotrione: 75	100 – 300	N/A	Safener: 22.4 g/ha cyprosulfamide Dose rate is concentration within the band.	
7	PL	Maize (ZEAMX)	F	CAPBP, POLCO, THLAR	Downwards spraying – Banded application (50% of field)	BBCH 10-18	a) 1 b) 1	/	a) 0.13 b) 0.13	a) Thiencarbazone-methyl: 9.75 + Mesotrione: 48.75 b) Thiencarbazone-methyl 9.75 + Mesotrione: 48.75	100 – 300	N/A	Safener: 14.6 g/ha cyprosulfamide Optional lower rate as backup or dose range. Dose rate is concentration within the band.	

* 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

Column 15: zRMS conclusion.

A	Acceptable
R	Acceptable with further restriction
C	To be confirmed by cMS
N	Not acceptable / evaluation not possible
n.r.	Not relevant for section 3

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

Remarks columns:

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 season 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/m³ in case of fumigation of empty rooms. See also EPPO-Guideline PP 1/239 Dose expression for plant protection products.
11 The dimension (g, kg) must be clearly specified. (Maximum) dose of a.s. per treatment (usually g, kg or L product / ha).
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
14 Remarks may include: Extent of use/economic importance/restrictions

3 Background of authorization decision and risk management

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

Overall summary: 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 uniform white liquid, with an emulsion paint odour. It is not explosive, has no oxidising properties. The product is not flammable. It has a self ignition temperature more than 100°C. In aqueous solution, it has a pH value around 3.06 at 20°C. There is no effect of low and high temperature on the stability of the formulation, since after 7 days at 0 °C and 8 week at 40°C, neither the active ingredient content nor the technical properties were changed. The stability data indicate a shelf life of at least 2 years at ambient temperature when stored in *HDPE*. Its technical characteristics are acceptable for a *suspension concentrate* formulation.

Implications for labelling: none

Compliance with FAO specifications: The product GLOB2112dH complies with the general FAO specifications.

Nature and characteristics of the packaging: Information with regard to type, dimensions, capacity, size of opening, type of closure, strength, leakproofness, resistance to normal transport & handling, resistance to & compatibility with the contents of the packaging, have been submitted, evaluated and is considered to be acceptable.

Nature and characteristics of the protective clothing and equipment: Information regarding the required protective clothing and equipment for the safe handling of GLOB2112dH has been provided and is considered to be acceptable

3.2 Efficacy (Part B, Section 3)

3.2.1 Efficacy data

A data package consisting of 93 efficacy trials (3 of which are used to determine the ratio between the active substances) is submitted to support the post-emergence use of GLOB2112dH on maize. These trials were performed by GEP—certified research organizations belonging to the Maritime (31), North-East (10), Mediterranean (38) and South-East (14) EPPO Zones.
The applicant is aware that not all submitted trials are relevant to the countries where registration is sought, but considers the additional trials as confirmatory data demonstrating the product's efficacy in a range of climatic and edaphic conditions.
A dose rate of 0.2 L/ha is considered the minimum effective dose (MED), as supported by the MED data gathered in the separate EPPO Zones, although under certain conditions sufficient control can be reached at the reduced dose rate of 0.13 L/ha.

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

Because the product is only applied once per year there is very limited selection pressure. Moreover, mesotrione and thiencarbazone-methyl are typically used in a weed control scheme that consists of a mixture of different active ingredients that are applied together. This makes resistance very unlikely to occur.

The general principles of good plant protection practice (OEPP/EPP, 1993) apply. The product should always be applied in accordance with the official label.

3.2.3 Adverse effects on treated crops

A data package consisting of 63 crop safety is submitted to support the post-emergence use of GLOB2112dH on maize. These trials were performed by GEP—certified research organizations belonging to the Maritime (24), North-East (14), Mediterranean (15) and South-East (10) EPPO Zones.
The applicant is aware that not all submitted trials are relevant to the countries where registration is sought, but considers the additional trials as confirmatory data demonstrating the product's safety in a range of climatic and edaphic conditions

3.2.4 Observations on other undesirable or unintended side-effects

No observations of other undesirable or unintended side-effects were made in any of the trials.

Abstract

This document summarises information related to the efficacy of the plant protection product GLOB2112dH with brand name Walkover Trio, supporting its registration process under Article 33 of Regulation 1107/2009. Authorisation is sought for use as a post-emergence (BBCH 10-18) herbicide in maize for the control of a range of annual and perennial broadleaved weeds and annual grasses. GLOB2112dH has a proposed maximum individual dose of 0.2 l/ha (to deliver 15 g a.s/ha thiencarbazone-methyl, and 75 g a.s/ha mesotrione). This product is applied with a water volume of 100-300 l/ha. Only 1 application may be made per crop and season.

Preliminary range-finding tests
The ratio of thiencarbazone-methyl (15 g/ha) and mesotrione (75 g/ha) can be justified. Field trials demonstrated superior control efficacy against key weed species (CHEAL, ECHCG, SOLNI, DIGSA, and AMBEL) compared to alternative ratio combinations.

Minimum effective dose
The minimum effective dose (MED) of GLOB2112dH was assessed for two major weed species in maize across all EPPO zones: CHEAL and ECHCG. Regardless of the weed species or climatic zone, the data demonstrated a dose-response relationship, with 0.2 L/ha proving to be the optimal dose across all assessment timings, while efficacy at 0.13 L/ha was slightly lower. However, an exception to this trend was discussed in section 3.2.2, where the efficacy of GLOB2112dH at 0.2 L/ha in the south-eastern zone did not follow the expected dose-response trend observed in the maritime and northeaster zones.
Whilst the applicant did not present the MED data, the results tables Section 3.2.3 indicate that the lower dose of 0.13 L/ha can still be considered the minimum effective dose for a limited range of annual dicotyledonous weeds. Under optimal conditions in the maritime and north-eastern zones, this reduced herbicide rate provides sufficient efficacy against susceptible weeds (CAPBP, POLCO, THLAR), achieving consistent control levels of ≥88.6%. In the south-eastern zone, a lower dose rate it also gave good efficacy

with control levels of ≥88.8% for AMARE, AMBEL and CHEAL.
In conclusion, the proposed dose rate of 0.13 L/ha can be considered the minimum effective dose for controlling a limited spectrum of annual dicotyledonous weeds.

Efficacy tests
Overall, a better efficacy of GLOB2112dH is achieved with the application rate of 0.2 than with 0.13 L/ha. The proposed dose rate of 0.13 L/ha can be considered as the minimum effective dose for control a limited range of annual dicotyledonous weeds in maize.

In the **North East zone**, GLOB2112dH provides sufficient control of the following weed species:

	Dose rate of 0.13 L/ha	Dose rate of 0.2 L/ha
(S) (>85%)	CAPBP, POLCO, THLAR	POLCO , THLAR , CAPBP, SOLNI.
(MS) < 85%	-	ECHCG, CHEAL, VERPE, STEME, VIOAR, AMARE, MATCH

Possible development of resistance or cross-resistance
According to the applicant, the risk of development of resistance is considered to be acceptable and no further specific management strategies are required. This conclusion can generally be followed and the resistance risk of GLOB2112dH is therefore assessed as being low to moderate.

Phytotoxicity to host crop
Phytotoxicity was not observed in any of the 91 efficacy trials but was reported in 8 out of 63 selectivity trials. In one trial at the N rate and two trials at the 2N rate, phytotoxic symptoms exceeded 10%. However, the calculated mean yields for all trials where GLOB2112dH caused phytotoxic symptoms were 100.4% at the N rate and 100.45% at the 2N rate relative to the untreated control. The zRMS considers these values as evidence that phytotoxicity did not impact yield.

Effects on the quality of plants or plant products
Overall, the data indicate that neither the proposed dose of GLOB2112dH nor 2N is likely to have a significant negative impact on MOICON (%), TKW (Thousand Kernel Weight), or WTS (Weight per Thousand Seeds) in maize. The results suggest that crop quality is generally maintained or slightly improved, with no evidence of adverse effects. Based on these findings, the zRMS concludes that the proposed use of GLOB2112dH is unlikely to have a significant negative impact on crop quality.

Effects on transformation processes and impact on treated plants or plant products to be used for propagation
No evidence was presented to support an absence of effects on plant parts for propagation and processing and transformation.

Impact on succeeding crops
The applicant considered it acceptable to sow maize as the only replacement crop in case of crop failure. However, if the crop is harvested as normal (i.e. in the autumn after application), winter oilseed rape can be sown after cultivating the soil to a depth of 20 cm.
In the following spring, peas, sugar beet, spring oilseed rape, sunflowers, winter and spring wheat, winter and spring barley, ryegrass, and onions may be sown after deep cultivation (20 cm).

Impact on other plants including adjacent crops
The risk to non-target terrestrial plant is acceptable when applying GLOB2112dH according to the intended uses and taking into account the following mitigation measures: a buffer zone of 1 m in combination with 50% drift reducing techniques or a buffer zone of 5 m.

3.3 Methods of analysis (Part B, Section 5)

3.3.1 Analytical method for the formulation

Analytical methods for the determination of mesotrione, thiencarbazone-methyl and cyprosulfamide in GLOB2112dH were not evaluated as part of the EU review of the active substances. Therefore all relevant data are provided here and are considered adequate. An HPLC-UV method was submitted to analyse the active ingredients and relevant impurities content in the formulation. The method was successfully validated.

3.3.2 Analytical methods for residues

All analytical methods are active substance data and were provided in the EU review of mesotrione or thiencarbazone-methyl and were considered adequate.

3.4 Mammalian toxicology (Part B, Section 6)

Based on available data GLOB2112dH should be classified as Repr. 2, STOT RE 2. According to model calculations workwear and protective gloves should be worn during mixing, loading and workwear should be worn during application. Based on hazard classification the operator should wear workwear, gloves and protective googles or face protection during mixing/loading.

According to the model calculations, it can be concluded that the risk of worker exposure during re-entry activities on area treated with GLOB2112dH is acceptable when workwear (arms, body and legs covered) is worn.

3.4.1 Acute toxicity

Acute toxicity studies for GLOB2112dH were not evaluated as part of the EU review of mesotrione or thiencarbazone-methyl.
Studies to assess the acute oral, dermal and inhalation toxicity, skin/eye irritation and skin sensitisation properties of the plant protection product GLOB2112dH were judged to be not necessary in the interest of animal welfare. The assessment has been conducted according to the calculation method outlined in Regulation (EC) 1272/2008. Full details on composition and classification of formulants are provided in part C of this registration report.
Based on all available data GLOB2112dH should be classified as Repr. 2, STOT RE2. According to Regulation (EC) 1272/2008 (CLP Regulation), GLOB2112dH should be labelled as: ~~*GHS08, Warning,*~~ *H361d, H373, EUH208* Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. GLOB2112dH/Walkover Trio contains safener, but currently, according to the approach agreed in Poland, safeners are evaluated the same way as co-formulants.

3.4.2 Operator exposure

Operator exposure to GLOB2112dH was not evaluated as part of the EU review of mesotrione or thiencarbazone-methyl. Therefore all relevant data and risk assessments are provided here and are considered adequate.

Operator exposure was assessed against the AOEL agreed in the EU review of mesotrione (0.005 mg/kg bw/d) and thiencarbazone-methyl (0.12 mg a.i./kg bw/d).
The dermal absorption value (0.28%) for mesotrione in the spray dilution was based on an in vitro study using human dermatomed skin. For the concentrate, a default dermal absorption value of 10% was used. For dermal absorption of thiencarbazone-methyl default values of 10% for the concentrate and 50% for the spray solution were used.
Operator exposure was modelled using the online AOEM model (EFSA OPEX v 1.0.2).

According to the model calculations, it can be concluded that the risk for the operator using GLOB2112dH according to the intended use is acceptable when using workwear (arms, body and legs covered) and protective gloves during mixing and loading. Due to the fact that the product is classified as Repr. 2 H361d and STOT RE2 H373 (eyes, nervous system) the operator should wear workwear, gloves and protective googles or face protection during mixing/loading.

3.4.3 Worker exposure

Worker exposure to GLOB2112dH was not evaluated as part of the EU review of mesotrione or thiencarbazone-methyl. Therefore, all relevant data and risk assessments have been provided and are considered adequate.
Worker exposure was modelled using the online EFSA model OPEX v 1.0.2.
Based on model calculations, it is concluded that there is no unacceptable risk anticipated for the worker wearing adequate work clothing (arms, body and legs covered, but no PPE), when re-entering crops treated with GLOB2112dH under conditions of intended use. As a standard rule, it could be mentioned on the label that treated crops should not be re-entered before spray deposits on leaf surfaces have completely dried.

3.4.4 Bystander and resident exposure

Bystander and resident exposure to GLOB2112dH was not evaluated as part of the EU review of mesotrione or thiencarbazone-methyl. Therefore, all relevant data and risk assessments have been provided and are considered adequate.
Resident (covering bystander) exposure was modelled using the online EFSA model OPEX v 1.0.2.
~~It is concluded that there is no undue risk to any bystander after accidental short-term exposure or to any resident after long-term exposure to GLOB2112dH.~~ According to calculations, it can be concluded that there is no unacceptable risk to any resident (child and adult) and bystander after application of GLOB2112dH. No mitigation measures are needed.

3.4.5 Combined risk assessment

The Hazard Index is < 1 for operators, workers, bystanders and residents. Thus, combined exposure to all active substances in GLOB2112dH is not expected to present a risk for operators, workers, bystanders and residents~~.~~ when the product is used as intended and provided that the PPE stated in section 2.5.1 are applied.
See 6.6.5 in section B6 for detailed calculations.

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

3.5.1 Residues

For the applied use of GLOB2112dH in maize reference is made to studies available in the EU review of mesotrione and thiencarbazone-methyl. The evaluated GAP is covering the one intended for GLOB2112dH.

Compliance with the EU MRLs of mesotrione and thiencarbazone-methyl is met for the intended uses of GLOB2112dH.

3.5.2 Consumer exposure

Chronic and acute exposure calculations were performed using the EFSA PRIMO (rev. 3.1) model.
Acute exposure calculations were not required for thienarbazone-methyl as no acute reference dose (ARfD) has been set.

For mesotrione, the maximum calculated exposure values accounted for 12% of ADI (NL toddler) based on calculation of the TMDI, taking into account the EU agreed ADI of 0.01 mg/kg bw/d. The results of the IESTI calculations demonstrate that in no case the IESTI is above the acute reference dose (ARfD) of 0.02 mg/kg bw/day (max. 8% for potatoes in children).
For thiencarbazone-methyl, the maximum calculated exposure values accounted for 0.5% of ADI (NL toddler) based on calculation of the TMDI, taking into account the EU agreed ADI of 0.23 mg/kg bw/d.

Based on the calculations made to estimate consumer exposure, it can be concluded that the use of the product GLOB2112dH does not lead to an unacceptable acute or chronic risk for consumers when applied according to the recommendations.

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

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

The PEC of mesotrione, thiencarbazone-methyl and its metabolites in soil have been assessed with the FOCUS model and the DT_{50} values established in the EU review. The maximum initial predicted environmental concentration in soil (PECs) of the active substances and the metabolites as well as for the formulation are provided in the table 3.6-1 below.

Table 3.6-1: Maximum PEC_{soil} values

Compound	Maximum PECs (mg/kg)
Mesotrione	0.0750
MNBA	0.0310
AMBA	0.0046
Thiencarbazone-methyl	0.0151
BYH 18636-carboxylic acid	0.010364
BYH 18636-sulfonamide	0.0014
BYH 18636-sulfonamide carboxylic acid	0.0018
BYH 18636-MMT	0.0010
BYH 18636-triazolinone-carboxamide	0.0005
GLOB2112dH	0.2430

The PECsoil values were used for the ecotoxicological risk assessment.

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

The PEC of mesotrione and thiencarbazone-methyl in groundwater has been determined with standard FOCUS scenarios to obtain outputs from the FOCUS PELMO 6.6.4, FOCUS PEARL 5.5.5 and MACRO 5.4.4 models.

These evaluations lead to the following conclusions:

- Mesotrione and its metabolites leach in acceptable amounts (< 0.1 µg/L) in each FOCUS scenario.
- Thiencarbazone-methyl and its metabolites leach in acceptable amounts (< 0.1 µg/L) in each FOCUS scenario, except for the metabolite BYH 18636-carboxylic acid which exceeds the limit of 0.1 µg/L in all FOCUS scenarios.

An assessment of metabolite relevance in groundwater of BYH 18636-carboxylic acid is presented in the dRR B10. The groundwater relevance of this compound has previously been evaluated in the EU peer review procedure, and the compound was agreed to be non-relevant.

Therefore, the risk to groundwater with regard to mesotrione, thiencarbazone-methyl and its metabolites is acceptable for the intended uses of GLOB2112dH.

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

The PEC values (PEC_{sw} and PEC_{sed}) resulting from the FOCUS STEP 1 to 4 of mesotrione, thiencarbazone-methyl and its metabolites were calculated for the intended use. These were then used for the ecotoxicological risk assessment.
Where needed, FOCUS profiles of thiencarbazone-methyl from STEP 3 and 4 were analyzed using EPAT.

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

The fate and behaviour in air was evaluated during the EU review of mesotrione and thiencarbazone-methyl. No additional studies have been performed.
The active substances mesotrione and thiencarbazone-methyl are regarded as non-volatile. Therefore exposure of adjacent surface waters and terrestrial ecosystems by the active substances due to volatilization with subsequent deposition should not be considered.

3.7 Ecotoxicology (Part B, Section 9)

3.7.1 Effects on terrestrial vertebrates

Birds
Effects on birds for GLOB2112dH were not evaluated as part of the EU review of mesotrione or thiencarbazone-methyl. Therefore all relevant data and risk assessments are provided here and are considered adequate. The risk assessment for effects on birds is carried out according to the 'Guidance of EFSA – Risk assessment for Birds and Mammals' (EFSA 2009)[1].

The acute and long-term risks of GLOB2112dH to birds were assessed from toxicity exposure ratios between toxicity endpoints, estimated from studies with mesotrione and thiencarbazone-methyl, and maximum residues occurring on food items following applications according to the proposed use pattern.
The acute and long-term risk were acceptable at the screening step.
Risk of secondary poisoning through contaminated drinking water has also been assessed. The risk of secondary poisoning through bioaccumulation was not required as mesotrione and thiencarbazone-methyl have a log P_{OW} < 3.0.
Since GLOB2112dH contains two active substances, a combined risk assessment was also performed.

In conclusion, the TER_A and TER_{LT} values are greater than the Annex VI trigger of 10 and 5 respectively, indicating low acute and long-term risks to birds following application of GLOB2112dH according to the intended uses.

Terrestrial vertebrates (other than birds)
Effects on terrestrial vertebrates other than birds for GLOB2112dH were not evaluated as part of the EU review of mesotrione or thiencarbazone-methyl. Therefore all relevant data and risk assessments are provided here and are considered adequate.

The acute and long-term risks of GLOB2112dH to wild mammals were assessed using the 'Guidance of EFSA – Risk assessment for Birds and Mammals' (EFSA 2009) by calculating the toxicity exposure

[1] EFSA (2009). Guidance of EFSA – Risk assessment for Birds and Mammals. EFSA Journal 2009; 7(12):1438.

ratios between toxicity endpoints, estimated from studies with mesotrione and thiencarbazone-methyl, and maximum residues occurring on food items following applications according to the use pattern. The acute and long-term risk for thiencarbazone-methyl was acceptable at the screening step. The acute risk for mesotrione was also acceptable at the screening step. For the long-term risk for mesotrione, the following higher-tier refinements were used: refinement of the focal species, refinement of the PT of the wood mouse and the brown hare, refinement of the DT50 on monocots and dicots.
Risk of secondary poisoning through contaminated drinking water has also been assessed. The risk of secondary poisoning through bioaccumulation was not required as mesotrione and thiencarbazone-methyl have a log P_{OW} < 3.0.
Since GLOB2112dH contains two active substances, a combined risk assessment was also performed.

In conclusion, the TER_A and TER_{LT} values are greater than the Annex VI trigger of 10 and 5 respectively, indicating low acute and long-term risks to mammals following application of GLOB2112dH according to the intended uses.

3.7.2 Effects on aquatic species

Effects on aquatic organisms for GLOB2112dH were not evaluated as part of the EU review of mesotrione or thiencarbazone-methyl. A new risk assessment was performed for the intended uses using the toxicity data of GLOB2112dH, the active substances as well as the metabolites.
An acceptable risk is concluded for mesotrione at Step 3 in all scenarios of all intended uses, except for the R3 scenario at pH 6.5 and the R4 scenario at pH 5.1 and at pH 6.5 at the dose rate of 0.2 L/ha. The risk in these specific scenarios is acceptable when using a 10 m no spray buffer zone including a 10 m vegetated filter strip.
EPAT analyses were performed for thiencarbazone-methyl. An acceptable risk is demonstrated at Step 3. No mitigation measures are needed.
An acceptable risk from the combined toxicity can be demonstrated at Step 3 for the D scenarios in all intended uses. For the R scenarios, following mitigation measures would be needed:

- 0.2 L/ha:
    - R1: a 10 m no spray buffer zone including a 10 m vegetated filter strip in case VFSMOD is accepted. If VFSMOD is not accepted, a 10 m no spray buffer zone including a 10 m vegetated filter strip for soils with pH above 6.5, and a 20 m no spray buffer zone including a 20 m vegetated filter strip for soils with pH below 6.5.
    - R2: a 10 m no spray buffer zone including a 10 m vegetated filter strip.
    - R3 and R4: a 10 m no spray buffer zone including a 10 m vegetated filter strip in case VFSMOD is accepted. If VFSMOD is not accepted, a 20 m no spray buffer zone including a 20 m vegetated filter strip for soils with pH above 7.9, and a restriction of use on sloped areas with soil pH below 7.9.
- 0.13 L/ha:
    - R1 and R2: a 10 m no spray buffer zone including a 10 m vegetated filter strip for soils with pH below 7.9. No mitigation measures are needed for soils with pH 7.9 and above.
    - ~~R3 and R4: a 10 m no spray buffer zone including a 10 m vegetated filter strip in case VFSMOD is accepted. If VFSMOD is not accepted, a 10 m no spray buffer zone including a 10 m vegetated filter strip for soils with pH above 7.9, a 20 m no spray buffer zone including a 20 m vegetated filter strip for soils with pH below 5.1, and a restriction of use on sloped areas with soil pH between 5.1 and 7.9.~~
- 0.2 L/ha banded application:
    - R1: a 10 m no spray buffer zone including a 10 m vegetated filter strip for soils with pH below 6.5. No mitigation measures are needed for soils with pH 6.5 and above.
    - R2: a 10 m no spray buffer zone including a 10 m vegetated filter strip for soils with pH between 5.1 and 7.9. No mitigation measures are needed for soils with pH below 5.1 or above 7.9.

  - R3 and R4: a 10 m no spray buffer zone including a 10 m vegetated filter strip in case VFSMOD is accepted. If VFSMOD is not accepted, a 10 m no spray buffer zone including a 10 m vegetated filter strip for soils with pH above 7.9, and a 20 m no spray buffer zone including a 20 m vegetated filter strip for soils with pH below 7.9.
- 0.13 L/ha banded application:
  - R1 and R2: no mitigation measures required.
  - R3: a 10 m no spray buffer zone including a 10 m vegetated filter strip for soils with pH below 7.9. No mitigation measures are needed for soils with pH 7.9 and above.
  - R4: a 10 m no spray buffer zone including a 10 m vegetated filter strip in case VFSMOD is accepted. If VFSMOD is not accepted, a 10 m no spray buffer zone including a 10 m vegetated filter strip for soils with pH below 5.1 and above 7.9, and a 20 m no spray buffer zone including a 20 m vegetated filter strip for soils with pH between 5.1 and 7.9.

An acceptable risk for the formulation following spray drift is concluded at a no spray buffer zone of 3 m for the dose rate of 0.15 L/ha and a 2 m no spray buffer zone for the dose rate of 0.1 L/ha.

Taking into account the relevant FOCUS scenarios (D3, D4, R1) and the acceptance of VFSMOD, the following mitigation measures are proposed for Poland:

- 0.2 L/ha: a 10 m no spray buffer zone including a 10 m vegetated filter strip for all soil pH's.
- 0.13 L/ha: a 10 m no spray buffer zone including a 10 m vegetated filter strip at soils with pH below 7.9. No mitigation measures are needed for soils with pH above 7.9.
- 0.2 L/ha banded application: a 10 m no spray buffer zone including a 10 m vegetated filter strip for soils with pH below ~~5.1~~ 6,5. No mitigation measures are required for soils with pH above ~~5.1~~ 6.5.
- 0.13 L/ha banded application: no mitigation measures required for all soil pH's.

3.7.3 Effects on bees

Effects on bees for GLOB2112dH were not evaluated as part of the EU review of mesotrione or thiencarbazone-methyl.

The risk of GLOB2112dH to honeybees was assessed from hazard quotients between toxicity endpoints, estimated from acute oral and contact studies with the formulated product, and the single application rate of 242 g/ha. All the hazard quotients are considerably less than 50, indicating that GLOB2112dH poses a low acute risk to honeybees.

The risk of GLOB2112dH to bumble bees was assessed according to the "EFSA Guidance Document on the risk assessment of plant protection products on bees (*Apis mellifera*, *Bombus* spp. and solitary bees)" (EFSA Journal 2013;11(7):3295), using toxicity endpoints estimated from acute oral and contact toxicity studies with the formulated product. It was demonstrated that GLOB2112dH poses a low acute risk to bumble bees.

The chronic risk to honeybees (adult and larvae) was assessed according to the modified EPPO 2010 approach according to the ECPA proposal of 9 June 2017 (POS/17/LO/28028) and the "EFSA Guidance Document on the risk assessment of plant protection products on bees (*Apis mellifera*, *Bombus* spp. and solitary bees)" (EFSA Journal 2013;11(7):3295), using toxicity endpoints estimated from chronic studies with the formulated product. It was demonstrated that GLOB2112dH poses a low chronic risk to honeybees.

No risk mitigation measure is necessary.

3.7.4 Effects on other arthropod species other than bees

Effects on non-target arthropods for GLOB2112dH were not evaluated as part of the EU review of mesotrione or thiencarbazone-methyl.

Tier I laboratory studies were conducted on *Typhlodromus pyri* and *Aphidius rhopalosiphi,*. The in-field and off-field hazard quotients for all species are below the trigger values recommended by ESCORT 2.

The risk to non-target arthropods following application of GLOB2112dH is considered acceptable. No risk mitigation measure is necessary.

3.7.5 Effects on soil organisms

Effects on earthworms and other soil macro-organisms for GLOB2112dH were not evaluated as part of the EU review of mesotrione or thiencarbazone-methyl.

Earthworms
The long-term risk of GLOB2112dH to earthworms was assessed from a chronic toxicity exposure ratio (TER) between a chronic toxicity endpoint from a reproduction study on the formulation and the maximum PECsoil.

The TER_{lt} due to exposure to mesotrione, thiencarbazone-methyl, its metabolites and GLOB2112dH are above the trigger of 5.

No risk mitigation measure is necessary.

Effects on other soil non-target macro-organisms
The long term risk of GLOB2112dH to *Hypoaspis aculeifer* and *Folsomia candida* was assessed from a chronic toxicity exposure ratio (TER) between a chronic toxicity endpoint from a reproduction study on the formulation and the maximum PECsoil.

The chronic TER value for *Hypoaspis aculeifer* and *Folsomia candida* is greater than the Annex IV trigger of 5, indicating an acceptable risk to other soil non-target macro-organisms following application of GLOB2112dH for the intended uses.

Effects on soil non-target micro-organisms
Effects on soil microbial activity of GLOB2112dH were not evaluated as part of the EU review for mesotrione or thiencarbazone-methyl. Therefore all relevant data and assessments were provided.
They show that GLOB2112dH application according to the intended use has no significant effect on soil micro-organisms.

3.7.6 Effects on non-target terrestrial plants

Effects on non-target plants for GLOB2112dH were not evaluated as part of the EU review of mesotrione or thiencarbazone-methyl.

The potential effect of GLOB2112dH on vegetative vigour and seedling emergence has been tested through studies performed with the formulation on non-target terrestrial plants. The most sensitive species

in pre-emergence was *Brassica napus* with an ER_{50} of 28 mL/ha. In post-emergence, the most sensitive species was *Helianthus annuus* with an ER_{50} of 17.1 mL/ha.

To protect non-target plants after application of GLOB2112dH, a buffer zone of 1 m in combination with 50% drift reducing techniques or a buffer zone of 5 m is needed.

3.7.7 Effects on other terrestrial organisms (Flora and Fauna)

Not required.

3.8 Relevance of metabolites (Part B, Section 10)

The relevance of the groundwater metabolites BYH 18636-carboxylix acid has already been assessed and the assessment agreed at EU level. BYH 18636-carboxylix acid is not considered relevant according to the criteria laid down in the EC guidance document SANCO/221/2000 –rev.10.

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

GLOB2112dH does not contain a candidate for substitution.

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

Insert any data that the notifier needs to submit following authorization. As a rule, this is restricted to storage stability and monitoring data.

Insert the data that is still required for the evaluation of the product in the case where the product authorization is not granted.

Appendix 1 Copy of the product authorization

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

Appendix 2 Copy of the product label

MS assessor to present a copy of the approved product label for MS country.

Posiadacz zezwolenia:
Globachem NV, Brustem Industriepark, Lichtenberglaan 2019, 3800 Sint Truiden, Królestwo Belgii, tel.: +32 11 78 57 17, fax: +32 11 68 15 65, e-mail: globachem@globachem.com

WALKOVER TRIO

Środek przeznaczony do stosowania przez użytkowników profesjonalnych

Zawartość substancji czynnej:
mezotrion (związek z grupy trójketonów) – 375 g/l
tienkarbazon metylu - (związek z grupy triazolinonów) – 75 g/l
sejfner: cyprosulfamid – 112 g/l

Zezwolenie MRiRW nr


UWAGA	
H361d H373 H410	Podejrzewa się, że działa szkodliwie na dziecko w łonie matki. Może powodować uszkodzenie narządów (oczy, układ nerwowy) poprzez długotrwałe lub narażenie powtarzane. 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.
EUH208	Zawiera 1,2-benzisothiazol-3(2H)-one~~, 2-methyl-4-isothiazolin-3-one, mieszaninę 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one~~. Może powodować wystąpienie reakcji alergicznej.
P201 P202 P260 P280 P308 + P313	Przed użyciem zapoznać się ze specjalnymi środkami ostrożności. Nie używać przed zapoznaniem się i zrozumieniem wszystkich środków bezpieczeństwa. Nie wdychać rozpylonej cieczy Stosować rękawice ochronne, odzież ochronną oraz ochronę oczu lub ochronę twarzy. W przypadku narażenia lub styczności: Zasięgnąć porady/zgłosić się pod opiekę lekarza.

P391	Zebrać wyciek.

OPIS DZIAŁANIA

Herbicyd selektywny o działaniu układowym, stosowany nalistnie, w postaci koncentratu w formie stężonej zawiesiny do rozcieńczania wodą, przeznaczonym do zwalczania jednorocznych chwastów jednoliściennych i dwuliściennych w uprawie kukurydzy (SC).

Zgodnie z klasyfikacją HRAC substancja czynna mezotrion zaliczana jest do grupy 27 (dawnej grupy F2).
Substancja czynna tienkarbazon metylu zgodnie z klasyfikacją HRAC zaliczana jest do grupy B.

DZIAŁANIE NA CHWASTY

Środek zawiera 2 wzajemnie uzupełniające się substancje czynne należące do różnych grup chemicznych o odmiennym mechanizmie działania.
Mezotrion jest substancją czynną zaliczaną do inhibitorów biosyntezy karotenoidów, powodującą zniszczenie chlorofilu, objawiające się bieleniem liści. Środek pobierany jest głównie poprzez liście oraz dodatkowo poprzez korzenie chwastów i szybko przemieszczany w roślinie, hamując ich wzrost i rozwój.
Tienkarbazon metylu jest inhibitorem syntazy acetylomleczanowej (ALS) - enzymu odpowiedzialnego
za biosyntezę aminokwasów, co w konsekwencji prowadzi do zakłócenia syntezy białek. W efekcie
następuje zahamowanie wzrostu i rozwoju roślin.
Po zastosowaniu środka chwasty nie wschodzą lub krótko po wschodach bieleją, przestają rosnąć i zamierają

Dawka 0,13 l/ha

Chwasty wrażliwe:	tobołki polne, tasznik pospolity, rdestówka powojowata (rdest powojowaty)

Dawka 0,2 l/ha

Chwasty wrażliwe:	rdestówka powojowata (rdest powojowaty), tobołki polne tasznik pospolity, psianka czarna
Chwasty średniowrażliwe:	chwastnica jednostronna, komosa biała, przetacznik perski, gwiazdnica pospolita, fiołek polny, szarłat szorstki, rumianek pospolity

STOSOWANIE ŚRODKA

Środek przeznaczony jest do stosowania przy użyciu samobieżnych lub ciągnikowych opryskiwaczy polowych, oraz opryskiwaczy polowych z możliwością stosowania pasowego.

Kukurydza

Maksymalna/zalecana dawka dla jednorazowego zastosowania: 0,2 l/ha.
Zalecana dawka dla jednorazowego zastosowania: 0,13 – 0,2 l/ha.

Termin stosowania: Środek stosować od początku fazy rozwoju liści (z koleoptyla powstaje pierwszy liść) do fazy 4 liści kukurydzy (BBCH 10-14).

Maksymalna liczba zabiegów w sezonie wegetacyjnym: 1.

Zalecana ilość wody: 100 - 300 l/ha.
Zalecane opryskiwanie: średniokropliste.

ŚRODKI OSTROŻNOŚCI, OKRESY KARENCJI I SZCZEGÓLNE WARUNKI STOSOWANIA

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

Środek najlepiej stosować w temperaturze 12 – 20°C
Po wykonaniu zabiegu mogą wystąpić przejściowe objawy fitotoksyczne. Objawy te szybko mijają i nie mają wpływu na plon.

1. Środka nie stosować:
   - na rośliny osłabione lub uszkodzone przez szkodniki, przymrozki, zalanie lub suszę,
   - podczas wiatru stwarzającego możliwość znoszenia cieczy użytkowej na sąsiednie rośliny uprawne.
   - gdy spodziewane są duże wahania temperatury.
   - w temperaturach poniżej 8°C lub powyżej 25°C
   - po okresie niskich temperatur (<10°C), zwłaszcza w połączeniu z deszczem.
   - jeśli spodziewane są ujemne temperatury (w nocy).

2. Podczas stosowania środka nie dopuścić do:
   - znoszenia cieczy użytkowej na sąsiednie rośliny uprawne,
   - nakładania się cieczy użytkowej na stykach pasów zabiegowych i uwrociach.

3. Strategia zarządzania odpornością.
   W celu zminimalizowania ryzyka wystąpienia i rozwoju odporności chwastów, herbicydy powinny być stosowane zgodnie z Dobrą Praktyką Rolniczą:

- postępuj zgodnie z zaleceniami zawartymi w etykiecie środka ochrony roślin – stosuj środek w zalecanej dawce w terminie zapewniającym najlepsze zwalczanie chwastów,
- dostosuj zabiegi uprawowe do warunków panujących na polu, zwłaszcza do rodzaju i nasilenia chwastów,
- używaj różnych metod regulowania zachwaszczenia w tym rotację upraw, itp.,
- stosuj rotacje herbicydów o różnym (odmiennym) mechanizmie działania,
- stosuj mieszanki herbicydów o odmiennym mechanizmie działania,
- stosuj w rotacji i/lub mieszaninie herbicydy działające na kilka procesów życiowych chwastów,
- stosuj herbicyd o danym mechanizmie działania tylko 1 raz w ciągu sezonu wegetacyjnego rośliny uprawnej,
- informuj posiadacza zezwolenia o niesatysfakcjonującym zwalczaniu chwastów,
- w celu uzyskania szczegółowych informacji skontaktuj się z doradcą, posiadaczem zezwolenia dla środka lub przedstawicielem posiadacza.

NASTĘPSTWO ROŚLIN

Środek rozkłada się w glebie w okresie wegetacji do poziomu niestwarzającego zagrożenia dla roślin uprawianych następczo.
Po zbiorach kukurydzy odchwaszczanej środkiem, w warunkach normalnego przebiegu wegetacji i typowej uprawy gleby obejmującej wykonanie orki (20 cm), jesienią można wysiewać rzepak ozimy.
W przypadku normalnego płodozmianu po wykonaniu orki na głębokość 20 cm można uprawiać groch, buraka cukrowego, rzepak jary, słonecznik, życicę trwała, cebulę, pszenicę ozimą, pszenicę jarą, jęczmień ozimy, jęczmień jary i życice trwałą.
W przypadku konieczności wcześniejszej likwidacji plantacji chronionej środkiem (uszkodzenia kukurydzy przez grad, choroby, szkodniki czy przymrozki) możliwa jest tylko uprawa kukurydzy,

SPORZĄDZANIE CIECZY UŻYTKOWEJ

Ciecz użytkową przygotowywać bezpośrednio przed zabiegiem. Przed przystąpieniem do sporządzania cieczy użytkowej dokładnie ustalić potrzebną jej ilość oraz dawkę środka na hektar, w zależności od stanu i stopnia zachwaszczenia.
Zawartością opakowania przed użyciem wstrząsnąć. Odmierzoną ilość środka wlać do zbiornika opryskiwacza napełnionego częściowo wodą (z włączonym mieszadłem). Opróżnione opakowania przepłukać trzykrotnie wodą, a popłuczyny wlać do zbiornika opryskiwacza z cieczą użytkową. Uzupełnić wodą do potrzebnej ilości. Opryskiwać z włączonym mieszadłem. Po wlaniu środka do zbiornika opryskiwacza niewyposażonego w mieszadło hydrauliczne, ciecz w zbiorniku mechanicznie wymieszać. W przypadku przerw w opryskiwaniu, przed ponownym przystąpieniem do pracy należy dokładnie wymieszać ciecz użytkową w zbiorniku opryskiwacza.

POSTĘPOWANIE Z RESZTKAMI CIECZY UŻYTKOWEJ I MYCIE APARATURY

Resztki cieczy użytkowej oraz wodę użytą do mycia 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 pracy aparaturę dokładnie wymyć. Zaleca się m. in. całkowite opróżnienie zbiornika opryskiwacza i układu z resztek cieczy użytkowej, a następnie trzykrotne przepłukanie zbiornika i wszystkich części składowych opryskiwacza czystą wodą (za każdym razem z całkowitym opróżnieniem) celem usunięcia resztek środka.

ŚRODKI OSTROŻNOŚCI DLA OSÓB STOSUJĄCYCH ŚRODEK, PRACOWNIKÓW ORAZ OSÓB POSTRONNYCH

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

Nie jeść, nie pić ani nie palić podczas używania produktu.
Stosować rękawice ochronne, ochronę oczu lub twarzy oraz odzież ochronną, zabezpieczającą przed oddziaływaniem środków ochrony roślin, oraz odpowiednie obuwie (np. kalosze) w trakcie przygotowywania cieczy użytkowej oraz w trakcie wykonywania zabiegu.

Unikać wdychania rozpylonej cieczy.
Dokładnie umyć ręce i twarz po użyciu.
Zanieczyszczonej odzieży ochronnej nie wynosić poza miejsce pracy.
Zanieczyszczoną odzież zdjąć i wyprać przed ponownym użyciem.

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.

W celu ochrony roślin oraz stawonogów niebędących celem działania środka konieczne jest wyznaczenie strefy ochronnej o szerokości:

- ~~3 m od terenów nieużytkowanych rolniczo lub~~
- ~~1~~5 m od terenów nieużytkowanych rolniczo lub ~~równoczesnym~~ zastosowanie~~m~~ technik redukujących znoszenie cieczy użytkowej podczas zabiegu o 50%.

WARUNKI PRZECHOWYWANIA I BEZPIECZNEGO USUWANIA ŚRODKA OCHRONY ROŚLIN I OPAKOWANIA

Chronić przed dziećmi.
Środek ochrony roślin przechowywać:

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

Chronić przed światłem słonecznym.

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 dostania się do oczu: Ostrożnie płukać wodą przez kilka minut. Wyjąć soczewki kontaktowe, jeżeli są i można je łatwo usunąć. Nadal płukać. ~~Natychmiast skontaktować się z ośrodkiem zatruć/lekarzem.~~
~~W przypadku kontaktu ze skórą: umyć dużą ilością wody z mydłem.~~

~~W przypadku wystąpienia podrażnienia skóry lub wysypki: Zasięgnąć porady/zgłosić się pod opiekę lekarza.~~
W przypadku narażenia lub styczności: Zasięgnąć porady/zgłosić się pod opiekę lekarza.

Okres ważności - 2 lata
Data produkcji - .....
Zawartość netto - .....
Nr partii - .....

Appendix 3 Letter of Access

A letter of access from Syngenta to a generic wildlife study was submitted.
A letter of access from Syngenta to mesotrione data was submitted.

Appendix 4 Lists of data considered for national authorization

Tables considered not relevant can be deleted as appropriate.

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

List of data submitted by the applicant and relied on

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCP 2.1-2.9	Fitzmaurice T.	2023	Determination of storage stability and shelf life specification data for GLOB2112dH, a suspension concentrate formulation containing thiencarbazone-methyl, mesotrione and cyprosulfamide at accelerated temperatures. DNA7203 David Norris Analytical Laboratories Ltd. GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 2.2 *Confidential – filed in Part C*	Norris D.	2024	Theoretical certificate of explosive and oxidising properties for GLOB2112dH. DNA7397 David Norris Analytical Laboratories Ltd. GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-088	McCabe T.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-G-GLOB2107H-GLOB2112H-IE01 Crop Research GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-090	McCabe T.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-G-GLOB2107H-GLOB2112H-IE03	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Crop Research GEP, not published				
KCP 6.2-091	Lenane M.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-G-GLOB2107H-GLOB2112H-IE04 SGS IE GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-092	Vaitiekiene E.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-H-GLOB2107H-GLOB2112H-DK01 Agrolab DK GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-093	Vaitiekiene E.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-H-GLOB2107H-GLOB2112H-DK02 Agrolab DK GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-094	Semaskiene R.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-I-GLOB2107H-GLOB2112H-LT01 LRCAF GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-095	Gulbis K.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-I-GLOB2107H-GLOB2112H-LV02 LAAPC GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-097	Kolditz M.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-J-GLOB2107H-GLOB2112H-PL02 Biochem agrar GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-099	Zagi H.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-K-GLOB2107H-GLOB2112H-HR01 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCP 6.2-100	Zagi H.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-K-GLOB2107H-GLOB2112H-HR02 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-101	Perez A.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-K-GLOB2107H-GLOB2112H-PT03 Eurofins PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-102	Holaschke M.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-K-GLOB2107H-GLOB2112H-SI04 Eurofins AT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-103	Ferencz B.	2022	Efficacy of thiencarbazone-methyl in maize. HE-22-L-GLOB2107H-GLOB2112H-RO01 Syntech RO GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-115	de Vries H.	2023	Weed control in maize HE-23-A-GLOB2107H-2112H-BE01 Vertify GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-118	de Vries H.	2023	Weed control in maize HE-23-A-GLOB2107H-2112H-BE04 Vertify GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-119	Mathieu D.	2023	Weed control in maize HE-23-A-GLOB2107H-2112H-BE05 Redebel GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-120	Beyreiss S.	2023	Weed control in maize HE-23-A-GLOB2107H-2112H-UK06	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			OAT GEP, not published				
KCP 6.2-122	Mareckova J.	2023	Weed control in maize HE-23-B-GLOB2107H-2112H-CZ02 ZS Krasne Udoli GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-125	Zöllner H.	2023	Weed control in maize HE-23-B-GLOB2107H-2112H-DE05 FRS DE GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-126	von Appen A.	2023	Weed control in maize HE-23-B-GLOB2107H-2112H-DE06 Eurofins DE GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-128	Ewaldz T.	2023	Weed control in maize HE-23-C-GLOB2107H-2112H-SE02 HS Husec GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-129	Narockaite-Lelesiene R.	2023	Weed control in maize HE-23-C-GLOB2107H-2112H-DK03 Agrolab DK GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-138	Umiński P.	2023	Weed control in maize HE-23-E-GLOB2107H-2112H-PL04 FRS PL GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-139	Rembisz D.	2023	Weed control in maize HE-23-E-GLOB2107H-2112H-PL05 Green & Property GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCP 6.2-140	Rembisz D.	2023	Weed control in maize HE-23-E-GLOB2107H-2112H-PL06 Green & Property GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-141	Žagi H.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-HR01 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-142	Žagi H.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-HR02 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-143	Žagi H.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-HR03 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-144	Žagi H.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-HR04 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-145	Žagi H.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-HR05 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-146	Žagi H.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-HR06 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-147	Žagi H.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-HR07	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Pest-Pro GEP, not published				
KCP 6.2-148	Žagi H.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-HR08 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-149	Perez A.	2023	Weed control in maize. HE-23-F-GLOB2107H-2112H-PT09 Eurofins PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-150	Godinho B.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-PT10 Sagea PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-151	Silvia L.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-PT11 Syntech PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-152	Godinho B.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-PT12 Sagea PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-153	Godinho B.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-PT13 Sagea PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-154	Godinho B.	2023	Weed control in maize HE-23-F-GLOB2107H-2112H-PT14 Sagea PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCP 6.2-155	Žagi H.	2023	Weed control in maize HE-23-G-GLOB2107H-2112H-HR01 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-156	Barasits T.	2023	Weed control in maize HE-23-G-GLOB2107H-2112H-HU02 CPRP GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-158	Ferencz B.	2023	Weed control in maize HE-23-G-GLOB2107H-2112H-RO04 Syntech RO GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-159	Holaschke M.	2023	Weed control in maize HE-23-G-GLOB2107H-2112H-SI05 Eurofins AT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-160	Žveplan S.	2023	Weed control in maize HE-23-G-GLOB2107H-2112H-SI06 SIHRB GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-161	de Vries H.	2023	Weed control in maize. HE-23-H-GLOB2107H-2112H-BE01 Vertify GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-163	Mathieu D.	2023	Weed control in maize. HE-23-H-GLOB2107H-2112H-BE03 Redebel GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-165	Frydrych J.	2023	Weed control in maize HE-23-I-GLOB2107H-2112H-CZ01	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Oseva Pro GEP, not published				
KCP 6.2-166	Fiala T.	2023	Weed control in maize HE-23-I-GLOB2107H-2112H-CZ02 ZZS Kluky GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-167	Sikora A.	2023	Weed control in maize HE-23-I-GLOB2107H-2112H-CZ03 ZS Kujavy GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-168	Zöllner H.	2023	Weed control in maize HE-23-I-GLOB2107H-2112H-DE04 FRS DE GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-170	Ewaldz T.	2023	Weed control in maize HE-23-J-GLOB2107H-2112H-SE02 HS Husec GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-173	Semaskiene R.	2023	Weed control in maize. HE-23-K-GLOB2107H-2112H-LT02 LRCAF GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-177	Žagi H.	2023	Weed control in maize HE-23-M-GLOB2107H-2112H-HR01 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-178	Žagi H.	2023	Weed control in maize HE-23-M-GLOB2107H-2112H-HR02 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCP 6.2-179	Žagi H.	2023	Weed control in maize HE-23-M-GLOB2107H-2112H-HR03 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-180	Žagi H.	2023	Weed control in maize HE-23-M-GLOB2107H-2112H-HR04 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-181	Žagi H.	2023	Weed control in maize HE-23-M-GLOB2107H-2112H-HR05 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-182	Žagi H.	2023	Weed control in maize. HE-23-M-GLOB2107H-2112H-HR06 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-183	Silvia L.	2023	Weed control in maize HE-23-M-GLOB2107H-2112H-PT07 Syntech FR GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-184	Godinho B.	2023	Weed control in maize HE-23-M-GLOB2107H-2112H-PT08 Sagea PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-185	Godinho B.	2023	Weed control in maize HE-23-M-GLOB2107H-2112H-PT09 Sagea PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-186	Godinho B.	2023	Weed control in maize HE-23-M-GLOB2107H-2112H-PT10	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Sagea PT GEP, not published				
KCP 6.2-187	Godinho B.	2023	Weed control in maize. HE-23-M-GLOB2107H-2112H-PT11 Sagea PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-188	Godinho B.	2023	Weed control in maize. HE-23-M-GLOB2107H-2112H-PT12 Sagea PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-189	Sambolek H.	2023	Weed control in maize HE-23-N-GLOB2107H-2112H-HR01 Agrobiotest HR GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-190	Barasits T.	2023	Weed control in maize HE-23-N-GLOB2107H-2112H-HU02 CPRP GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-191	Ferencz B.	2023	Weed control in maize HE-23-N-GLOB2107H-2112H-RO03 Syntech RO GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-192	Žveplan S.	2023	Weed control in maize HE-23-N-GLOB2107H-2112H-SI04 SIHRB GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-193	de Vries H.	2023	Weed control in maize. HE-23-O-GLOB2107H-2112H-BE01 Vertify GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCP 6.2-194	Holaschke M.	2023	Weed control in maize. HE-23-O-GLOB2107H-2112H-AT02 Eurofins AT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-195	Hejny M.	2023	Weed control in maize. HE-23-P-GLOB2107H-2112H-CZ01 ZS Rymarov GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-197	von Appen A.	2023	Weed control in maize. HE-23-P-GLOB2107H-2112H-DE03 Eurofins DE GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-198	Semaskiene R.	2023	Weed control in maize. HE-23-R-GLOB2107H-2112H-LT01 LRCAF GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-199	Tetuan B.	2023	Weed control in maize. HE-23-S-GLOB2107H-2112H-ES01 GMW Biosciences GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-200	Chourdas M.	2023	Weed control in maize. HE-23-S-GLOB2107H-2112H-GR02 Magma-Agro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-201	Zambon D.	2023	Weed control in maize. HE-23-S-GLOB2107H-2112H-IT03 Sagea IT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-202	Zappalà P.	2023	Weed control in maize. HE-23-S-GLOB2107H-2112H-IT04	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Agrigeos GEP, not published				
KCP 6.2-203	Russo A.	2023	Weed control in maize. HE-23-S-GLOB2107H-2112H-IT05 Agri 2000 Net GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-204	Lang B.	2023	Weed control in maize. HE-23-T-GLOB2107H-2112H-HU01 Plant-Art. GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-205	Sambolek H.	2023	Weed control in maize. HE-23-T-GLOB2107H-2112H-HR02 Agrobiotest HR GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-206	Ferencz B.	2023	Weed control in maize. HE-23-T-GLOB2107H-2112H-RO03 Syntech RO GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-207	Lang B.	2023	Weed control in maize. HE-23-T-GLOB2107H-2112H-HU04 Plant-Art. GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-208	de Vries H.	2023	Weed control in maize HE-23-A-GLOB2112H-BE01 Vertify GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-209	Tvaružek L.	2023	Weed control in maize. HE-23-A-GLOB2112H-CZ02 Zvu Kromeriz GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV

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KCP 6.2-210	Trnka M.	2023	Weed control in maize HE-23-A-GLOB2112H-CZ03 Zemservis GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-211	Fiala T.	2023	Weed control in maize HE-23-A-GLOB2112H-CZ04 ZZS Kluky GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-212	Frydrych J.	2023	Weed control in maize HE-23-A-GLOB2112H-CZ05 Oseva Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-222	Lunzenfichter D.	2022	Screening of thiencarbazone-methyl and mesotrione in maize SCR-22-02-H-FR01 Qualiphyt GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-223	Antonio R.	2022	Screening of thiencarbazone-methyl and mesotrione in maize SCR-22-02-H-IT02 Agri 2000 Net GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-224	Umiński P.	2022	Screening of thiencarbazone-methyl and mesotrione in maize SCR-22-02-H-PL03 FRS PL GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-226	Žagi H.	2023	Weed control in maize SCR-23-03-H-HR02 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV

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KCP 6.2-227	Sambolek H.	2023	Weed control in maize SCR-23-03-H-HR03 Agrobiotest HR GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.2-228	Umiński P.	2023	Weed control in maize SCR-23-03-H-PL04 FRS PL GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-20	McCabe T.	2022	Selectivity of thiencarbazone-methyl in maize. HS-22-G-GLOB2107H-2012H-2101H-IE01 Crop Research GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-21	Lenane M.	2022	Selectivity of thiencarbazone-methyl in maize. HS-22-G-GLOB2107H-2012H-2101H-IE02 SGS IE GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-22	Lenane M.	2022	Selectivity of thiencarbazone-methyl in maize. HS-22-G-GLOB2107H-2012H-2101H-IE03 SGS IE GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-23	Hartvig P.	2022	Selectivity of thiencarbazone-methyl in maize. HS-22-H-GLOB2107H-2012H-2101H-DK01 Aarhus University GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-24	Gulbis K.	2022	Selectivity of thiencarbazone-methyl in maize. HS-22-I-GLOB2107H-2012H-2101H-LV01 LAAPC GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-25	Gulbis K.	2022	Selectivity of thiencarbazone-methyl in maize. HS-22-I-GLOB2107H-2012H-2101H-LV02	N	Y	Study report never submitted before to PL	Globachem NV

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			LAAPC GEP, not published				
KCP 6.4-26	Umiński P.	2022	Selectivity of thiencarbazone-methyl in maize. HS-22-J-GLOB2107H-2012H-2101H-PL01 FRS PL GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-27	Camuñez S.	2022	Selectivity of thiencarbazone-methyl in maize. Version 1 HS-22-J-GLOB2107H-2012H-2101H-PL02 Staphyt PL GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-28	Zagi H.	2022	Selectivity of thiencarbazone-methyl in maize. HS-22-K-GLOB2107H-2012H-2101H-HR01 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-29	Perez A.	2022	Selectivity of thiencarbazone-methyl in maize. HS-22-K-GLOB2107H-2012H-2101H-PT02 Eurofins PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-30	Silvia L.	2022	Selectivity of thiencarbazone-methyl in maize. HS-22-K-GLOB2107H-2012H-2101H-PT03 Syntech PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-31	Holaschke M.	2022	Selectivity of thiencarbazone-methyl in maize. HS-22-K-GLOB2107H-2012H-2101H-SI04 Eurofins AT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-32	Lang B.	2022	Selectivity of thiencarbazone-methyl in maize. HS-22-L-GLOB2107H-2012H-2101H-HU01 Plant-Art.	N	Y	Study report never submitted before to PL	Globachem NV

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			GEP, not published				
KCP 6.4-54	Mathieu D.	2023	Selectivity of herbicides in maize. HS-23-A-GLOB2107H-2112H-2101H-BE01 Redebel GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-55	Beyreiss S.	2023	Selectivity of herbicides in maize. HS-23-A-GLOB2107H-2112H-2101H-UK02 OAT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-56	Beyreiss S.	2023	Selectivity of herbicides in maize. HS-23-A-GLOB2107H-2112H-2101H-UK03 OAT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-57	Bauer T.	2023	Selectivity of herbicides in maize. HS-23-B-GLOB2107H-2112H-2101H-CZ01 InTec GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-58	Tvaružek L.	2023	Selectivity of herbicides in maize. HS-23-B-GLOB2107H-2112H-2101H-CZ02 Zvu Kromeriz GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-59	Mareckova J.	2023	Selectivity of herbicides in maize. HS-23-B-GLOB2107H-2112H-2101H-CZ03 ZS Krasne Udoli GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-60	Semaskiene R.	2023	Selectivity of herbicides in maize. HS-23-C-GLOB2107H-2112H-2101H-LT01 LRCAF GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-61	Semaskiene R.	2023	Selectivity of herbicides in maize.	N	Y	Study report never submitted before	Globachem NV

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			HS-23-C-GLOB2107H-2112H-2101H-LT02 LRCAF GEP, not published			to PL	
KCP 6.4-62	Gulbis K.	2023	Selectivity of herbicides in maize. HS-23-C-GLOB2107H-2112H-2101H-LV03 LAAPC GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-63	Umiński P.	2023	Selectivity of herbicides in maize. HS-23-D-GLOB2107H-2112H-2101H-PL01 FRS PL GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-64	Žagi H.	2023	Selectivity of herbicides in maize. HS-23-E-GLOB2107H-2112H-2101H-HR01 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-65	Žagi H.	2023	Selectivity of herbicides in maize. HS-23-E-GLOB2107H-2112H-2101H-HR02 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-66	Žagi H.	2023	Selectivity of herbicides in maize. HS-23-E-GLOB2107H-2112H-2101H-HR03 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-67	Godinho B.	2023	Selectivity of herbicides in maize. HS-23-E-GLOB2107H-2112H-2101H-PT04 Sagea PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-68	Godinho B.	2023	Selectivity of herbicides in maize. Portugal 2023. HS-23-E-GLOB2107H-2112H-2101H-PT05 Sagea PT	N	Y	Study report never submitted before to PL	Globachem NV

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			GEP, not published				
KCP 6.4-69	Camuñez S.	2023	Selectivity of herbicides in maize. Hungary, 2023. HS-23-F-GLOB2107H-2112H-2101H-HU02 Staphyt HU GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-70	Camuñez S.	2023	Selectivity of herbicides in maize. Hungary, 2023 HS-23-F-GLOB2107H-2112H-2101H-HU03 Staphyt HU GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-71	Camuñez S.	2023	Selectivity of herbicides in maize. Romania, 2023 HS-23-F-GLOB2107H-2112H-2101H-RO04 Staphyt RO GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-72	de Vries H.	2023	Selectivity of herbicides in maize. HS-23-A-GLOB2112H-BE01 Vertify GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-73	Holaschke M.	2023	Selectivity of herbicides in maize. HS-23-A-GLOB2112H-AT02 Eurofins AT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-74	Lenane M.	2023	Selectivity of herbicides in maize. HS-23-A-GLOB2112H-IE03 SGS IE GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-75	de Vries H.	2023	Selectivity of herbicides in maize. HS-23-A-GLOB2112H-NL04 Vertify GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-76	Narockaite-	2023	Selectivity of herbicides in maize.	N	Y	Study report never submitted before	Globachem NV

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	Lelesiene R.		HS-23-A-GLOB2112H-DK05 Agrolab DK GEP, not published			to PL	
KCP 6.4-77	Haigh I.	2023	Selectivity of herbicides in maize. HS-23-A-GLOB2112H-UK06 FieldArm GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-78	McCabe T.	2023	Selectivity of herbicides in maize. HS-23-A-GLOB2112H-IE07 Crop Research GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-79	Hartvig P.	2023	Selectivity of herbicides in maize. HS-23-A-GLOB2112H-DK08 Aarhus University GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-80	Sikora A.	2023	Selectivity of herbicides in maize. HS-23-B-GLOB2112H-CZ01 ZS Kujavy GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-81	Trnka M.	2023	Selectivity of herbicides in maize. HS-23-B-GLOB2112H-CZ02 Zemservis GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-82	Hejny M.	2023	Selectivity of herbicides in maize. HS-23-B-GLOB2112H-CZ03 ZS Rymarov GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-83	Bauer T.	2023	Selectivity of herbicides in maize. HS-23-B-GLOB2112H-CZ04 InTec	N	Y	Study report never submitted before to PL	Globachem NV

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			GEP, not published				
KCP 6.4-84	Zöllner H.	2023	Selectivity of herbicides in maize. HS-23-B-GLOB2112H-DE05 FRS DE GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-85	von Appen A.	2023	Selectivity of herbicides in maize. HS-23-B-GLOB2112H-DE06 Eurofins DE GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-86	Umiński P.	2023	Selectivity of herbicides in maize. HS-23-C-GLOB2112H-PL01 FRS PL GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-87	Rembisz D.	2023	Selectivity of herbicides in maize. HS-23-C-GLOB2112H-PL02 Green & Property GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-88	Rembisz D.	2023	Selectivity of herbicides in maize. HS-23-C-GLOB2112H-PL03 Green & Property GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-89	Semaskiene R.	2023	Selectivity of herbicides in maize. HS-23-C-GLOB2112H-LT04 LRCAF GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-90	Semaskiene R.	2023	Selectivity of herbicides in maize. HS-23-C-GLOB2112H-LT05 LRCAF GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-91	Semaskiene R.	2023	Selectivity of herbicides in maize.	N	Y	Study report never submitted before	Globachem NV

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			HS-23-C-GLOB2112H-LT06 LRCAF GEP, not published			to PL	
KCP 6.4-92	Sambolek H.	2023	Selectivity of herbicides in maize. HS-23-D-GLOB2112H-HR01 Agrobiotest HR GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-93	Žagi H.	2023	Selectivity of herbicides in maize. HS-23-D-GLOB2112H-HR02 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-94	Lang B.	2023	Selectivity of herbicides in maize. HS-23-D-GLOB2112H-HU03 Plant-Art. GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-95	Lang B.	2023	Selectivity of herbicides in maize. HS-23-D-GLOB2112H-HU04 Plant-Art. GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-96	Žagi H.	2023	Selectivity of herbicides in maize. HS-23-D-GLOB2112H-HR05 Pest-Pro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-97	Ferencz B.	2023	Selectivity of herbicides in maize. HS-23-D-GLOB2112H-RO06 Syntech RO GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-98	Tetuan B.	2023	Selectivity of herbicides in maize. HS-23-E-GLOB2112H-ES01 GMW Biosciences	N	Y	Study report never submitted before to PL	Globachem NV

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			GEP, not published				
KCP 6.4-99	Chourdas M.	2023	Selectivity of herbicides in maize. HS-23-E-GLOB2112H-GR02 Magma-Agro GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-100	Zappalà P.	2023	Selectivity of herbicides in maize. HS-23-E-GLOB2112H-IT03 Agrigeos GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-101	Zambon D.	2023	Selectivity of herbicides in maize. HS-23-E-GLOB2112H-IT04 Sagea IT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-102	Russo A.	2023	Selectivity of herbicides in maize. HS-23-E-GLOB2112H-IT05 Agri 2000 Net GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.4-103	Silvia L.	2023	Selectivity of herbicides in maize. HS-23-E-GLOB2112H-PT06 Syntech PT GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.5-1	Dommes A.	2023	GLOB2112dH (Soil incorporated): Effects on Terrestrial Plants (selected Succeeding Crops): Seedling Emergence and Seedling Growth Test 177011084 Ibacon GEP, not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 6.5-2	Dommes A.	2023	GLOB2112dH: Effects on Terrestrial (Non-Target) Plants: Vegetative Vigour Test 177011087	N	Y	Study report never submitted before to PL	Globachem NV

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			Ibacon GEP, not published				
KCP 5.1.1	Fitzmaurice T.	2023	Validation of the methods of determination of active ingredients and specified impurities in a suspension concentrate formulation containing thiencarbazone-methyl, mesotrione and cyprosulfamide, in compliance with good laboratory practice. DNA7206 David Norris Analytical Laboratories Ltd. GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 5.1.2	Schneider E.	2016	Validation of the Analytical Method for the Determination of Mesotrione and its Metabolite Residues in Maize (Whole Plant and grain) B5117 Anadiag GLP Unpublished	N	Y	Data protection started with Osorno 480 (178/2021)	Globachem NV
KCP 5.1.2	Faessel V.	2018	Validation of the Analytical Method for the Analysis of Mesotrione in Oilseed rape whole plant B7315 ANADIAG GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 5.1.2 *(submitted as KCP 10.2.1)*	Kosak & Wydra	2016	Mesotrione Wet Paste (ZA1296) - Toxicity to the Aquatic Plant *Lemna gibba* in a Semi-Static Growth Inhibition Test with a Subsequent Recovery Period 105732240 Ibacon GmbH GLP Unpublished	N	-	-	Syngenta *Globachem access*

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KCP 5.1.2 *(submitted as KCP 10.2.1)*	Gonsior G.	2017	Mesotrione – Growth Inhibition of *Myriophyllum spicatum* in a Water/Sediment System Eurofins Agroscience Services EcoChem GmbH S16-06273 GLP Unpublished	N	-	-	Syngenta *Globachem access*
KCP 5.1.1 *Submitted as KCA 8.2.7*	Minati R.	2024	Thiencarbazone-methyl: Toxicity to the Aquatic Plant Lemna gibba in a Pulsed Exposure Growth Inhibition Test 178651240 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL.	Globachem NV
KCP 5.1.1 *Submitted as KCA 8.2.7*	Bebon R.	2024	Thiencarbazone-methyl: Toxicity to the aquatic plant Myriophyllum spicatum in a pulsed exposure growth inhibition test with a prior rooting phase 178651215 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL.	Globachem NV
KCP 5.1.2 *(submitted as KCP 10.2.1)*	Bauer J.	2024a	GLOB2112dH: Toxicity to *Pseudokirchneriella subcapitata* in an Algal Growth Inhibition Test 177011210 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 5.1.2 *(submitted as KCP 10.2.1)*	Bauer J.	2024b	GLOB2112dH: Toxicity to the Aquatic Plant *Lemna gibba* in a Static Growth Inhibition Test 177011240 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV

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KCP 5.1.2 *(submitted as KCP 10.2.1)*	Bauer J.	2024c	GLOB2112dH: Toxicity to the aquatic plant *Myriophyllum spicatum* in a static growth inhibition test with a prior rooting phase 177011215 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 5.1.2 *(submitted as KCP 10.3.1.1)*	Schabio S.	2024	GLOB2112dH: effects (acute contact and oral) on honey bees (*Apis mellifera* L.) in the laboratory 177011035 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 5.1.2 *(submitted as KCP 10.3.1.1)*	Chwiesko D.	2024	GLOB2112dH: acute contact and oral toxicity to bumblebees (*Bombus terrestris* L.) in the laboratory 177011105 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 5.1.2 *(submitted as KCP 10.3.1.2)*	Venturi S.	2023	Chronic oral effects of GLOB2112dH to adult worker honeybees (Apis mellifera L.) in a 10-day feeding laboratory test BT215/23 Biotechnology BT GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 5.1.2 *(submitted as KCP 10.3.1.3)*	Venturi S.	2024	Effects of GLOB2112dH on honeybees (*Apis mellifera L.*) 22- day larval toxicity test with repeated exposure BT131/23 Biotechnology BT GLP	N	Y	Study report never submitted before to PL	Globachem NV

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			Unpublished				
KCP 5.1.2 *(submitted as KCP 10.6)*	Dommes A.B.	2024a	GLOB2112dH: Effects on terrestrial (non-target) plants : seedling emergence and seedling growth test 177011086 Ibacon GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 5.1.2 *(submitted as KCP 10.6)*	Dommes A.B.	2024b	GLOB2112dH: Effects on terrestrial (non-target) plants : vegetative vigour test 177011087 Ibacon GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 5.2	Gustloff C.	2024	Validation of analytical methods to determine residues of thiencarbazone-methyl and its metabolite in eggs Eurofins Agroscience Services Chem Gmbh S24-102708 GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 5.2	Senciuc M.	2024	Independent laboratory validation of an analytical method for the determination of thiencarbazone-methyl and its metabolite BYH18636-MMT in eggs Eurofins Agroscience Services Eag Laboratories Gmbh GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 7.3	Spa S.	2023	The in vitro percutaneous absorption of radiolabelled mesotrione from an in-use dilution of GLOB2112dH though human split-thickness skin 20444571	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Charles River Laboratories Den Bosch BV GLP Unpublished				
KCA 6.10	Schneider E.	2016	Determination of mesotrione and its metabolite (MNBA) residues in maize following treatment with Mesotrione 100 SC under field conditions in northern and southern France in 2015. Study No B5116 Anadiag GLP Unpublished	N	Y	Data protection started with Osorno 480 (178/2021)	Globachem NV
KCA 6.10	Ertus C.	2020	Determination of mesotrione residues in oilseed rape following treatment with Mesotrione 100 g/L SC under field conditions in northern and southern Europe in 2018 and 2019. Study No B7314 Anadiag GLP Unpublished	N	Y	Data protection started with Osorno 480 (178/2021)	Globachem NV
KCP 9.2.4	Truyens S.	2024	Estimations of the PECgw of mesotrione, thiencarbazone-methyl and metabolites in maize GLOB2112dHGW Globachem NV non GLP Unpublished	N	N	-	Globachem NV
KCP 9.2.5	Truyens S.	2024	Estimations of the PECsw of mesotrione, thiencarbazone-methyl and metabolites in maize GLOB2112dHSW Globachem NV non GLP Unpublished	N	N	-	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCP 10.1.2.2	Hazlerigg C. & Garrat J.	2016	A kinetic analysis of the dissipation of mesotrione in maize Report No E2016-13 Enviresearch Limited Not GLP Unpublished	N	Y	Data protection started with Osorno 480 (178/2021)	Globachem NV
KCP 10.1.2.2	Grimm & Katzschner	2019	Generic monitoring of European hares to determine proportion of time spend foraging in early maize in Central Europe. Rifcon GmbH GLP Unpublished	N	-	-	Syngenta *Globachem access*
KCA 8.2.7	Minati R.	2024	Thiencarbazone-methyl: Toxicity to the Aquatic Plant *Lemna gibba* in a Pulsed Exposure Growth Inhibition Test 178651240 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCA 8.2.7	Bebon R.	2024	Thiencarbazone-methyl: Toxicity to the aquatic plant *Myriophyllum spicatum* in a pulsed exposure growth inhibition test with a prior rooting phase 178651215 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 10.2.1	Bauer J.	2024a	GLOB2112dH: Toxicity to *Pseudokirchneriella subcapitata* in an Algal Growth Inhibition Test 177011210 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCP 10.2.1	Bauer J.	2024b	GLOB2112dH: Toxicity to the Aquatic Plant *Lemna gibba* in a Static Growth Inhibition Test 177011240 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 10.2.1	Bauer J.	2024c	GLOB2112dH: Toxicity to the aquatic plant *Myriophyllum spicatum* in a static growth inhibition test with a prior rooting phase 177011215 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 10.2.1	Kosak & Wydra	2016	Mesotrione Wet Paste (ZA1296) - Toxicity to the Aquatic Plant *Lemna gibba* in a Semi-Static Growth Inhibition Test with a Subsequent Recovery Period 105732240 Ibacon GmbH GLP Unpublished	N	-	-	Syngenta *Globachem access*
KCP 10.2.1	Gonsior G.	2017	Mesotrione – Growth Inhibition of *Myriophyllum spicatum* in a Water/Sediment System Eurofins Agroscience Services EcoChem GmbH S16-06273 GLP Unpublished	N	-	-	Syngenta *Globachem access*
KCP 10.3.1.1	Schabio S.	2024	GLOB2112dH: effects (acute contact and oral) on honey bees (*Apis mellifera* L.) in the laboratory 177011035 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCP 10.3.1.1	Chwiesko D.	2024	GLOB2112dH: acute contact and oral toxicity to bumblebees (*Bombus terrestris* L.) in the laboratory 177011105 Ibacon GmbH GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 10.3.1.2	Venturi S.	2023	Chronic oral effects of GLOB2112dH to adult worker honeybees (Apis mellifera L.) in a 10-day feeding laboratory test BT215/23 BioTecnologie BT S.r.l. GLP Not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 10.3.1.3	Venturi S.	2024	Effects of GLOB2112dH on honeybees (*Apis mellifera L.*) 22-day larval toxicity test with repeated exposure BT131/23 BioTechnologie BT GLP Unpublished	N	Y	Study report never submitted before to PL	Globachem NV
KCP 10.3.2	Leopold J.	2023a	GLOB2112dH: Effects on the predatory mite *Typhlodromus pyri* (Acari: Phytoseiidae) in the laboratory. A dose response test on glass plates. 177011063 Ibacon GmbH GLP Not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 10.3.2	Leopold J.	2023b	GLOB2112dH: Effects on the parasitoid *Aphidius rhopalosiphi* (Hymenoptera: Braconidae) in the laboratory. A dose response test on glass plates. 177011001 Ibacon GmbH	N	Y	Study report never submitted before to PL	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			GLP Not published				
KCP 10.4.1.1	Hübner S.	2024	GLOB2112dH: Effects on reproduction and growth of earthworms Eisenia andrei in artificial soil 177011022 Ibacon GmbH GLP Not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 10.4.2.1	Hübner S.	2023a	GLOB2112dH: Effects on reproduction of Collembola (*Folsomia candida*) in artificial soil 177011016 Ibacon GmbH GLP Not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 10.4.2.1	Hübner S.	2023b	GLOB2112dH: Effects on the reproduction of the predatory mite *Hypoaspis aculeifer* in artificial soil. 177011089 Ibacon GmbH GLP Not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 10.4.2.1	Dickinson R.	2015	R169649 - Collembola (Folsomia candida) Reproduction Test in Soil Syngenta Crop Protection AG, Basel, Switzerland AgroChemex Ltd, Manningtree, United Kingdom, ENV-14-015 GLP not published Syngenta File No CA3511_10011	N	-	-	Syngenta *Globachem access*
KCP 10.4.2.1	Ramsden C.	2015	R169649 - Predatory Mite (Hypoaspis (Geolaelaps) aculeifer) Reproduction Test in Soil Syngenta Crop Protection AG, Basel, Switzerland AgroChemex Ltd, Manningtree, United Kingdom, ENV-14-012	N	-	-	Syngenta *Globachem access*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			GLP not published Syngenta File No CA3511_10010				
KCP 10.5	Hammesfahr U.	2023	GLOB2112dH: Effects on the Activity of the Soil Microflora in the Laboratory (Nitrogen Transformation). 177011080 Ibacon GmbH GLP Not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 10.6	Dommes A.B.	2024a	GLOB2112dH: Effects on terrestrial (non-target) plants: seedling emergence and seedling growth test 177011086 Ibacon GmbH GLP Not published	N	Y	Study report never submitted before to PL	Globachem NV
KCP 10.6	Dommes A.B.	2024b	GLOB2112dH: Effects on terrestrial (non-target) plants : vegetative vigour test 177011087 Ibacon GmbH GLP Not published	N	Y	Study report never submitted before to PL	Globachem NV

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	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCA 4.1.2	Bolygo E.	1996	ZA 1296: Independent Laboratory Confirmation of an Analytical Method for Liquid Chromatographic Determi-	N	N	-	Syngenta

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			nation with Fluorescence Detection of ZA 1296 and 4-(methylsulfonyl)-2-nitrobenzoic acid in Crops after Conversion to 2-amino-4-(methylsulfonyl)- benzoic acid Zeneca Report No. RJ2149B				*Out of data protection*
KCA 4.1.2	Meyers T.J., Ryan J.	1997	ZA 1296: Determination of ZA 1296 and its Metabolite MNBA in Corn by Gas Chromatography with Mass-Selective Detection (WRC-96-163) Zeneca Report No. TMR0689B	N	N	-	Syngenta *Out of data protection*
KCA 4.1.2	Zimmer D., Philipowski C.	2006	Analytical method 00962 for the determination of residues of BYH18636 and its metabolites BYH18636-N-desmethyl and BYH18636-MMT-glucoside, and of AE 0001789 in/on plant matrices by HPLC-MS/MS Bayer CropScience AG 00962 GLP Unpublished	N	N	-	Bayer *Data out of protection*
KCA 4.1.2	Zimmer D., Philipowski C.	2006	Analytical method 00963 for the determination of residues of BYH18636 and its metabolites BYH18636-N-desmethyl and BYH18636-MMT-glucoside in/on plant matrices by HPLC-MS/MS Bayer CropScience AG 00963 GLP Unpublished	N	N	-	Bayer *Data out of protection*
KCA 4.1.2	Brumhard B.	2006	Analytical method 00990 for the determination of residues of BYH 18636 and its metabolites in animal matrices Bayer CropScience AG 00990 GLP Unpublished	N	N	-	Bayer *Data out of protection*
KCA 4.2	Watson G.	2013	Mesotrione - Validation of the QuEChERS Method for the Determination of Residues of mesotrione in Crop Matrices by LC-MS/MS Report No. S12-03251	N	N	-	Syngenta *Matching data pro-*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Syngenta File No ZA1296_10090 Eurofins Agroscience Services Ltd, Wilson, UK, GLP Unpublished				*vided*
KCA 4.2	Schlewitz P.	2016	Validation of the Analytical Method for the Determination of Mesotrione, MNBA and AMBA Residues in Orange whole fruit and Oilseed rape seeds B6202 Anadiag GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 4.2	Schlewitz P.	2017	Validation of the Analytical Method for the Determination of Mesotrione, MNBA and AMBA Residues in Maize (whole plant) B6363 GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 4.2	Tessier V.	2013	Mesotrione - Independent Laboratory Validation of the QuEChERS Method for the Determination of Residues of Mesotrione in Crop Matrices by LC-MS/MS Report No.: S12-04607 Syngenta File No ZA1296_10129 Eurofins Agroscience Services Chem SAS, Vergèze, France GLP Unpublished	N	N	-	Syngenta *Matching data pro-vided*
KCA 4.2	Gaffney V.	2017	Validation of an Analytical Method for the Determination of Residues of Mesotrione and Metabolites in Maize (Whole Plant and Grain), ILV VAL24/17 Laboratorio de Residuos SAPEC AGRO S.A. GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 4.2	Arias A.	2017	Validation of an Analytical Method for the Determination	N	N	-	Globachem

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			of Mesotrione, MNBA and AMBA in Oilseed rape seeds, ILV VAL10/17 Laboratorio de Residuos SAPEC AGRO S.A. GLP Unpublished				NV *Matching data*
KCA 4.2	Watson G.	2013	Mesotrione - Validation of the QuEChERS Method for the Determination of Residues of mesotrione in Animal Matrices by LC-MS/MS Report No: S12-03250 Syngenta File No ZA1296_10093 Eurofins Agroscience Services Ltd, Wilson, UK GLP Unpublished	N	N	-	Syngenta *Matching data pro-vided*
KCA 4.2	Lefresne S.	2017	Validation of the Analytical Method for the Determination of residues of Mesotrione (milk, egg, muscle, fat, liver and kidney) and body fluids (blood). B17S-G2-M-01 FREDON/ pays de la Loire/ GIRPA GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 4.2	Bernal J.	2013	Bernal J., 2013 Mesotrione - Independent Laboratory Validation of the QuEChERS Method for the Determination of Residues of Mesotrione in Animal matrices by LC-MS/MS Report No: S12-04608 Syngenta File No ZA1296_10130 Eurofins Agroscience Services Chem SAS, Vergèze, France GLP Unpublished	N	N	-	Syngenta *Matching data pro-vided*
KCA 4.2	Arias A.	2017	Validation of an Analytical Method for the Determination of Mesotrione in Food of Animal Origin, ILV. VAL42/17	N	N	-	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Laboratório SAPEC Agro, Setúbal, Portugal. GLP Unpublished				*Matching data*
KCA 4.2	Jutsum L., Williams R.	2013	Analytical Method GRM007.10A for the Determination of Mesotrione and its Metabolites AMBA and MNBA in Soil Report No: GRM007.10A Syngenta File No ZA1296_10092 Syngenta CEMAS, North Ascot, United Kingdom, GRM007.10A Not GLP Unpublished	N	N	-	Syngenta *Matching data provid-ed*
KCA 4.2	Jutsum L.	2013	Mesotrione – Validation of Draft Residue Method GRM007.10A for the Determination of Mesotrione and its Metabolites AMBA and MNBA in Soil Report No: CEMR-5657-REG Syngenta File No ZA1296_10088 CEMAS, North Ascot, United Kingdom GLP Unpublished	N	N	-	Syngenta *Matching data provid-ed*
KCA 4.2	Schneider E.	2016	Validation of the Analytical Method for the Determination of Mesotrione and its Metabolites Residues in Soil B5329 Anadiag Not GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 4.2	Jutsum L., Chamkesam N.	2013	Analytical Method GRM007.09A for the Determination of Mesotrione and its Metabolites AMBA and MNBA in Water Report No: GRM007.09A Syngenta File No ZA1296_10092 CEMAS, North Ascot, United Kingdom Not GLP Unpublished	N	N	-	Syngenta *Matching data provid-ed*
KCA 4.2	Jutsum L.	2013	Validation of Draft Residue Method GRM007.09A for the	N	N	-	Syngenta

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Determination of Mesotrione and its metabolites AMBA and MNBA in Water Report No: CEMR-5658-REG Syngenta File No ZA1296_10087 CEMAS, North Ascot, United Kingdom GLP Unpublished				*Matching data provid-ed*
KCA 4.2	Schneider E.	2016	Validation of the Analytical Method for the Determination of Mesotrione and its Metabolite Residues In Surface and ground waters B5176 Anadiag GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 4.2	Wiesner F., Breyer N.	2013	Mesotrione - Independent Laboratory Validation of Analytical Method GRM007.09A for the Determination of Residues of Mesotrione and its Metabolites in AMBA and MNBA Water Report No: S13-04185 Syngenta File No ZA1296_10174 Eurofins Agroscience Services Chem GmbH, Hamburg, Germany GLP Unpublished	N	N	-	Syngenta *Matching data provid-ed*
KCA 4.2	Ferreira Morais F.	2017	Validation of an Analytical Method for the Determination of Residues of Mesotrione and its Metabolites in Drinking Water, ILV. VAL12/17 Laboratorio de Residuos SAPEC AGRO, S.A. GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 4.2	Jutsum L.	2013	Mesotrione - Residue Method GRM007.08B for the Determination of Mesotrione in Air Report GRM007.08B	N	N	-	Syngenta *Matching*

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			Syngenta File No ZA1296_10089 Syngenta CEMAS, North Ascot, United Kingdom Not GLP Unpublished				*data provid-ed*
KCA 4.2	Jutsum L.	2013	Mesotrione - Validation of Residue Method GRM007.08A for the Determination of Mesotrione in Air Report CEMR-5403-REG Syngenta File No ZA1296_10084 Syngenta CEMAS, North Ascot, United Kingdom GLP Unpublished	N	N	-	Syngenta *Matching data provid-ed*
KCA 4.2	Schneider E.	2016	Validation of the Analytical Method for the Determination of Mesotrione Residues in Air B5330 Anadiag GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 4.2	Krebber R., Leppelt L.	2007	Analytical method 01025 for the determination of thiencarbazone-methyl (BYH 18636) in drinking and surface water by HPLC-MS/MS Bayer CropScience AG 01025 GLP Unpublished	N	N	-	Bayer *Data out of protection*
KCA 4.2	Class T.	2006	Independent laboratory validation of Bayer CropScience method No. 00963 for the determination of residues of BYH 18636 and its metabolites BYH 18636-N-desmethyl and BYH 18636-MMT-glucoside in/on plant materials by LC/MS/MS PTRL Europe P/B 1125 G GLP Unpublished	N	N	-	Bayer *Data out of protection*
KCA 4.2	Bongartz R.	2006	[Dihydrotriazole-3-14C]BYH18636: Extraction efficiency	N	N	-	Bayer

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			of the residue analytical method for the determination of BYH18636 residues in plant matrices using aged radioactive residues Bayer CropScience AG MEF-05/504 GLP Unpublished				*Data out of protection*
KCA 4.2	Zimmer D., Kup-pels U.	2007	Analytical method 01022 for the determination of residues of BYH18636 and BYH18636-MMT in animal matrices Bayer CropScience AG 01022 GLP Unpublished	N	N	-	Bayer *Data out of protection*
KCA 4.2	Class T.	2007	Independent laboratory validation of Bayer CropScience method no. 01022 for the determination of residues of BYH 18636 and its metabolite BYH 18636-MMT in animal matrices by LC/MS/MS PTRL Europe P/B 1138 G GLP Unpublished	N	N	-	Bayer *Data out of protection*
KCA 4.2	Schmeer K.	2007	[Dihydrotriazole-3-14C]BYH18636 and [thiophene-4-14C]BYH18636: Extraction efficiency of the residue analytical method for the determination of BYH18636 residues in animal matrices using aged radioactive residues Bayer CropScience AG MEF-06/292 GLP Unpublished	N	N	-	Bayer *Data out of protection*
KCA 4.2	Brumhard B., Koch V.	2006	Analytical method 01028 for the determination of residues of BYH18636 in soil by HPLC-MS/MS Bayer CropScience AG 01028 GLP	N	N	-	Bayer *Data out of protection*

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			Unpublished				
KCA 4.2	Ripperger R.J.	2007	BYH 18636: Analytical method for the determination of BYH 18636 in air Bayer CropScience AG RAGSM003-1 GLP Unpublished	N	N	-	Bayer *Data out of protection*
KCA 5.8	Wirnitzer U.	2006	BYH 18636-carboxylic acid (project: BYH 18636) - Salmonella/microsome test - Plate incorporation and preincubation method - 1st amendment to toxicology report AT01522 of September 22, 2004 AT01522A GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 5.8	Herbold B.	2005	BYH 18636-carboxylic acid (Project: BYH 18636) - In vitro chromosome aberration test with chinese hamster V79 cells M-250256-02-2 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 5.8	Herbold B.	2005	BYH 18636-carboxylic acid (Project: BYH 18636) - V79/HPRT-test in vitro for the detection of induced forward mutations AT02038 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 5.8	Anonymous	2006	BYH 18636-carboxylic acid (AE 1394083) - Acute toxicity in the rat after oral administration [redacted] GLP Unpublished	Y	N	-	Bayer CropScience *Data out of protection*
KCA 5.8	Anonymous	2007	BYH 18636-carboxylic acid - 90-day toxicity study in the rat by dietary administration [redacted]	Y	N	-	Bayer CropScience

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			GLP Unpublished				*Data out of protection*
KCA 6.1	Wiebe, L.A.	1997	ZA 1296: Stability of ZA 1296 and the Metabolite MNBA in Frozen Crops (Interim Report) Zeneca Report No: RR 97-042B INT DPDB Ref. 59800 GLP unpublished	N	N	-	Syngenta *Data out of protection*
KCA 6.1	Brumhard B., Wolters A	2007	Storage stability of BYH18636 and its metabolites BYH18636-N-desmethyl and BYH18636-MMT-glucoside in plant matrices for 18 months - results for an interval of 0 to 12 months MR186/05 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.1	Brumhard B., Wolters A	2008	Storage stability of BYH18636 and its metabolites BYH18636-N-desmethyl and BYH18636-MMT-glucoside in plant matrices for 24 months MR-07/229 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.1	Brumhard B., Auer S., Eberhardt R.	2007	BYH 18636: Dairy Cattle Feeding Study MR-06/095 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.2.1	Wei, Y. *et al.*	1997	[Cyclohexane-2-^{14}C]ZA 1296: Nature of the Residues in Corn (Zea mays) Zeneca Report No: RR 96-026B DPDB Ref. 59801 GLP	N	N	-	Syngenta *Data out of protection*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			unpublished				
KCA 6.2.1	Tarr, J.B. *et al.*	1997	[Phenyl-U-^{14}C]ZA 1296: nature of the residues in corn Report No: not given DPDB Ref. 59802 GLP unpublished	N	N	-	Syngenta *Data out of protection*
KCA 6.2.1	Bongartz R.	2005	Metabolism of [dihydrotriazole-3-^{14}C]BYH18636 in Corn in Combination with the Safener AE 0001789 as a Pre-emergence Application MEF-05/004 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.2.1	Bongartz R.	2005	Metabolism of [thiophene-4-^{14}C]BYH18636 in Corn in Combination with the Safener AE 0001789 as a Pre-emergence Application MEF-05/003 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.2.1	Bongartz R.	2005	Metabolism of [dihydrotriazole-3-^{14}C]BYH18636 in Corn MEF-04/182 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.2.1	Bongartz R.	2005	Metabolism of [thiophene-4-^{14}C]BYH18636 in Corn MEF-04/181 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.2.1	Bongartz R.	2005	Metabolism of [dihydrotriazole-3-^{14}C]BYH18636 in Corn in Combination with the Safener Isoxadifen-ethyl following two Post-emergence Applications at Growth Stages V6 and V12 MEF-05/006	N	N	-	Bayer CropScience *Data out of protection*

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			GLP Unpublished				
KCA 6.2.1	Bongartz R.	2006	Metabolism of [thiophene-4-^{14}C]BYH18636 in Corn in Combination with the Safener Isoxadifen-ethyl following two Post-emergence Applications at Growth Stages V6 and V12 MEF-05/005 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.2.1	Sur R.	2005	Metabolism of [dihydrotriazole-3-^{14}C]BYH18636 in Wheat MEF-05/041 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.2.1	Sur R.	2005	Metabolism of [thiophene-4-^{14}C]BYH18636 in Wheat MEF-05/042 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.2.2	Hand L.H.	1997	AMBA: Metabolism of Orally Administrated Multiple doses in Lactating Cow Report No: not given DPDB Ref. 59803 GLP unpublished	Y	N	-	Syngenta *Data out of protection*
KCA 6.2.2	[redacted]	2006	Metabolism of [Thiophene-4- 14C]BYH18636 in the Laying Hen [redacted] GLP Unpublished	Y	N	-	Bayer CropScience *Data out of protection*
KCA 6.2.2	[redacted]	2006	Metabolism of [Dihydrotriazole-3-^{14}C]BYH18636 in the Laying Hen [redacted]	Y	N	-	Bayer CropScience

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			GLP Unpublished				*Data out of protection*
KCA 6.2.3	[redacted]	2006	[Thiophene-4-^{14}C]BYH18636: Absorption, Distribution, Excretion and Metabolism in the Lactating Goat [redacted] GLP Unpublished	Y	N	-	Bayer CropScience *Data out of protection*
KCA 6.2.3	[redacted]	2006	[Dihydrotriazole-3-^{14}C]BYH18636: Absorption, Distribution, Excretion, and Metabolism in the Lactating Goat [redacted] GLP Unpublished	Y	N	-	Bayer CropScience *Data out of protection*
KCA 6.3	Barnes, J.P. *et al.*	1997a	ZA 1296: Residue Levels in Maize from Trials Carried Out in France during 1995 Zeneca Agrochemicals Report No: RR 96-071B DPDB Ref. 59806 GLP unpublished	N	N	-	Syngenta *Data out of protection*
KCA 6.3	Barnes, J.P. *et al.*	1997b	ZA 1296: Residue Levels in Maize from Trials Carried Out in France during 1996 Zeneca Agrochemicals Report No: RR 97-045B DPDB Ref. 59808 GLP unpublished	N	N	-	Syngenta *Data out of protection*
KCA 6.3	Barnes, J.P. *et al.*	1997c	ZA 1296: Residue Levels in Maize from Trials Carried Out in Germany during 1995 Zeneca Agrochemicals Report No: RR 96-078B DPDB Ref. 59810 GLP	N	N	-	Syngenta *Data out of protection*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			unpublished				
KCA 6.3	Barnes, J.P. *et al.*	1997d	ZA 1296: Residue Levels in Maize from Trials Carried Out in Germany during 1995 Zeneca Agrochemicals Report No: RR 97-048B DPDB Ref. 59812 GLP unpublished	N	N	-	Syngenta *Data out of protection*
KCA 6.3	Barnes, J.P. *et al.*	1997e	ZA 1296: Residue Levels in Maize from Trials Carried Out in Italy during 1995. Zeneca Agrochemicals Report No: RR 96-077B DPDB Ref. 59813 GLP unpublished	N	N	-	Syngenta *Data out of protection*
KCA 6.3	Barnes, J.P. *et al.*	1997f	ZA 1296: Residue Levels in Maize from Trials Carried Out in Italy during 1995. Zeneca Agrochemicals Report No: RR 97-049B DPDB Ref. 59815 GLP unpublished	N	N	-	Syngenta *Data out of protection*
KCA 6.3	Billian P., Wolters A.	2006	Determination of the residues of AE 0001789 and BYH 18636 in/on corn after spraying of AE 1162464 02 SC39 A4 (450 SC) in the field in Germany, northern France, United Kingdom and Belgium RA-2583/05 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.3	Zimmer D.	2007	Determination of the residues of AE 0001789 and BYH 18636 in/on corn after spraying of AE 1162464 02 SC39 A4 (450 SC) in the field in southern France, Spain, Italy, Greece and Portugal	N	N	-	Bayer CropScience *Data out of*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			RA-2584/05 GLP Unpublished				*protection*
KCA 6.3	Wolters A.	2007	Determination of the residues of AE 0001789, Isoxaflutole, and BYH 18636 in/on corn after spraying of AE 0001789 & Isoxaflutole (480 SC) and AE 0001789 & BYH 18636 (450 SC) in the field in northern France, United Kingdom and Germany RA-2615/06 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.3	Wolters A.	2007	Determination of the residues of AE 0001789, Isoxaflutole, and BYH 18636 in/on corn after spraying of AE 0001789 & Isoxaflutole (480 SC) and AE 0001789 & BYH 18636 (450 SC) in the field in southern France, Spain and Italy RA-2616/06 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.6.1	Spillner, C. *et. al*	1997	[Cyclohexane-2-14C]ZA 1296: confined accumulation studies on rotational crops – low rate Report No.: not given DPDB Ref. 59812 GLP unpublished	N	N	-	Syngenta *Data out of protection*
KCA 6.6.1	Gorder, G.W. *et al.*	1997	[Phenyl-U-^{14}C]ZA 1296: confined accumulation studies on rotational crops – low rate Report No: not given DPDB Ref. 59818 GLP unpublished	N	N	-	Syngenta *Data out of protection*
KCA	Justus K.	2006	Metabolism of [dihydrotriazole-3- 14C]BYH18636 in	N	N	-	Bayer

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
6.6.1			Confined Rotational Crops following co-application with Safener AE 0001789 MEF-06/215 GLP Unpublished				CropScience *Data out of protection*
KCA 6.6.1	Justus K.	2006	Metabolism of [thiophene-4-^{14}C]BYH18636 in Confined Rotational Crops following coapplication with Safener AE 0001789 MEF-05/297 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.6.1	Justus K.	2006	Metabolism of [dihydrotriazole-3-^{14}C]BYH18636 in Confined Rotational Crops after an application rate of 30 g/ha in the presence of safener AE 0001789 MEF-06/258 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.6.1	Justus K.	2006	Metabolism of [thiophene-4-^{14}C]BYH18636 in Confined Rotational Crops after an application rate of 30 g/ha in the presence of safener AE 0001789 MEF-05/539 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.6.1	Reiner H.	2005	Metabolism of [dihydrotriazole-3-^{14}C]BYH18636 in Confined Rotational Crops MEF-05/023 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 6.6.1	Reiner H.	2005	Metabolism of [thiophene-4-^{14}C]BYH18636 in Confined Rotational Crops MEF-05/024 GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA	Barnes, J.P., Wiebe,	1997	ZA 1296: Residue Levels on Rotated Crops from Trials	N	N	-	Syngenta

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
6.6.2	L.A.		Carried Out in the United States During 1995-1996. Zeneca Report No: RR 97-044B DPDB Ref. 59819 GLP unpublished				*Data out of protection*
KCA 6.10.1	Hoffmann M., Barrière I.	2020	EU approval renewal of the active substance thiencarbazone-methyl – Waiver for studies investigating residues in honey Bayer AG Not GLP Unpublished	N	N	-	Bayer CropScience *Not GLP, not protected*
KCA 7.1.1.3	Graham R., Gilbert J.	2013	Mesotrione - Soil Photolysis of [14C]-Mesotrione Smithers Viscient (ESG) Ltd. Covance Laboratories Limited GLP, not published	N	N	-	Syngenta *Matching data provided*
KCA 7.1.1.3	Miner P. & Grcar M.	2016	Soil Photolysis of 14C Mesotrione Ricerca Biosciences, LLC Study No. 034223 GLP, not published	N	N	-	Globachem NV *Matching data*
KCA 7.1.2	Hardy I.	2013	Mesotrione – Kinetic Modelling Analysis of Data from Aerobic Soil Degradation Studies to Derive Modelling and Persistence Endpoint DT_{50} Values Syngenta Battelle UK Ltd. Not GLP, not published	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Graham D.G. et al	1997	Field Soil Dissipation Study Carried Out in France During 1995-1996. Zeneca Agrochemicals Report No: RR97-026B	N	N	-	Syngenta *No data protection claimed*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCA 7.1.2	Graham D.G. et al	1997	Field Dissipation Study Carried Out in Italy During 1995-1996. Zeneca Agrochemicals Report No: RR97-025B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Graham D.G. et al	1997	Field Dissipation Study Carried Out in Germany During 1995- 1996. Zeneca Agrochemicals Report No: RR97-051B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Graham D.G. et al	1998	Field Dissipation Study Carried Out in Germany During 1996- 1997. Zeneca Agrochemicals Report No: RR97-067B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Graham D.G. et al	1998	Field Dissipation Study Carried Out in Italy During 1996-1997. Zeneca Agrochemicals Report No: RR97-070B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Wiebe L.A., Yeh S.M.	1999	ZA 1296: Stability of ZA 1296 and the Metabolites MNBA and AMBA in Frozen Soil (WRC-98- 158). (WINO 2775). Zeneca Agrochemicals Report No: RR98-065B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Carley S.E.	1996	[phenyl-U-14C]ZA 1296 Anaerobic Aquatic Soil Metabolism Zeneca Agrochemicals Report No: RR96-033B GLP, not published	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Marth J.L.	1997	[14C]AMBA, a Metabolite of ZA 1296: Rate of Degradation in Soil Under Aerobic Laboratory Conditions. Zeneca Agrochemicals Report No: RR97-032	N	N	-	Syngenta *No data protection*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
							claimed
KCA 7.1.1 & 7.1.2	Miller M.M	1997	[Phenyl-U- 14C]ZA 1296: Route and Rate of Degradation in Wisconsin Silt Loam Soil Under Aerobic Laboratory Conditions. Zeneca Agrochemicals Report No: RR97-033B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Miller M.M, Wilson W.R.	1997	[phenyl-U- 14C]ZA 1296. Rate of Degradation in Three Soils Under Aerobic Laboratory Condition. Zeneca Agrochemicals Report No: RR96-099B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Subba-Rao R.V.	1996	[Phenyl 14C-ZA 1296. Aerobic soil metabolism study. Zeneca Agrochemicals Report No: RR95-082B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Tarr J.B.	1997	[phenyl-U- 14C]ZA 1296. Metabolism in Thirteen Soils Under Aerobic Conditions. Zeneca Agrochemicals Report No: RR93-092B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Vispetto A.R., Tovshteyn M.	1996	[cyclohexane-2- 14C]ZA 1296. Anaerobic Aquatic Soil Metabolism. Zeneca Agrochemicals Report No: RR95-048B GLP	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Vispetto A.R., Tovshteyn M.	1997	Addendum to: [Cyclohexane-2- 14C]ZA 1296. Aerobic soil metabolism study. Zeneca Agrochemicals Report No: RR95-047B ADD	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.2	Lay M.M.	2000	[Phenyl-U-14C] AMBA : Rate of Degradation in Soil under Aerobic Laboratory Conditions Zeneca Ag products Western Research Center	N	N	-	Syngenta *No data*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Report No RR 99-096B				*protection claimed*
KCA 7.1.2	Fliege R.	2006	[Dihydrotriazole-3-14C] and [thiophene-4-14C] BYH 18636: Aerobic soil metabolism in four soils MEF-05/532 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.2	Fliege R.	2006	[Dihydrotriazole-3-14C] and [thiophene-4-14C]BYH 18636: Aerobic soil metabolism in one US soil MEF-05/224 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.2	Heinemann O.	2006	BYH18636-triazolinone carboxamide: Aerobic soil degradation in 3 EU soils MEF-05/519 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.2	Fliege R.	2006	[Dihydrotriazole-3-14C] and [thiophene-4-14C] BYH 18636: Anaerobic soil metabolism MEF-05/490 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.2	Stupp H.P.	2006	BYH 18636: Phototransformation on soil MEF-04/561 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.2	Hammel K.	2007	Kinetic evaluation of the aerobic metabolism of BYH 18636, BYH 18636-carboxylic acid, BYH 18636-sulfonamide, BYH 18636-sulfonamide-carboxylic acid and	N	N	-	Bayer CropScience

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			BYH 18636 MMT in soil for comparison with triggers MEF-07/109 Bayer CropScience AG Not GLP Unpublished				*Not protected (not GLP)*
KCA 7.1.2	Hammel K.	2007	Kinetic evaluation of the aerobic metabolism of BYH 18636, BYH 18636-carboxylic acid, BYH 18636-sulfonamide, BYH 18636-sulfonamide-carboxylic acid and BYH 18636 MMT in soil for modelling purposes MEF-07/024 Bayer CropScience AG Not GLP Unpublished	N	N	-	Bayer CropScience *Not protected (not GLP)*
KCA 7.1.2	Wyatt D.R.	2007	Terrestrial field dissipation of BYH18636 in Nebraska soil, 2005 MEGSP002 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.2	Wyatt D.R.	2007	Terrestrial field dissipation of BYH18636 in Illinois soil, 2005 MEGSP004 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.2	Wyatt D.R.	2007	Terrestrial field dissipation of BYH18636 in California soil, 2005 MEGSP013 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.2	Wyatt D.R.	2007	Terrestrial field dissipation of BYH18636 in Ontario, Canada soil, 2005 MEGSP003	N	N	-	Bayer CropScience

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			Bayer CropScience GLP Unpublished				*Data out of protection*
KCA 7.1.2	Couckel G.	2007	Field dissipation of BYH18636 in three Canadian soils MEGSP019 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.2	Heinemann O.	2006	Determination of the residues of AE 1394083 in/on soil after spraying of AE 1394083 00 WP10 A1 (10 WP) in the field in France, Germany and Spain RA-2146/04 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.2	Heinemann O.	2006	Determination of the residues of AE 1394083 in/on soil after spraying of AE 1394083 00 WP10 A1 (10 WP) in the field in France RA-2048/05 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.2	Hammel K.	2007	Kinetic Evaluation of the dissipation of BYH 18636-carboxylic acid in soil based on field studies MEF-07/067 Bayer CropScience AG Not GLP Unpublished	N	N	-	Bayer CropScience *Not protected (not GLP)*
KCA 7.1.3	Diaz D.G.	1995	[14C]ZA 1296. Adsorption and Desorption Properties in Soil Zeneca Agrochemicals Report No: RR95-070B GLP, not published	N	N	-	Syngenta *Out of data protection*
KCA	Rowe D., Lane	1997	ZA 1296: Adsorption and Desorption properties of ZA	N	N	-	Syngenta

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7.1.3	M.C.G.		1296 in 4 soils. Zeneca Agrochemicals Report No: RJ2340B GLP, not published				*Out of data protection*
KCA 7.1.3	Diaz D.G.	1995	[14C]ZA 1296. Adsorption and Desorption Properties in Soil. Zeneca Agrochemicals Report No: RR95-070B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.3	Diaz D.G.	1996	[14C]MNBA. Adsorption and Desorption Properties in Soil of a ZA 1296 Metabolite. Zeneca Agrochemicals Report No: RR96-008B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.3	Diaz D.G.	1996	[14C]AMBA. Adsorption and Desorption Properties in Soil of a ZA 1296 Metabolite. Zeneca Agrochemicals Report No: RR96-009B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.3	Hand L.H.	1999	MNBA (R169649) : Absorption Properties in Four Soils Zeneca Agrochemicals Jealott's Hill Research Station Report No RJ2885B	N	N	-	Syngenta *No data protection claimed*
KCA 7.1.3	Fliege R.	2006	Adsorption/desorption of BYH 18636 on five soils MEF-191/03 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.3	Stupp H.P.	2006	GSE28226: Adsorption/desorption in five soils MEF-191/04 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCA 7.1.3	Fliege R.	2006	GSE 18448: Adsorption/desorption on five soils MEF-085/04 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.3	Simmonds M., Early E.	2006	[14C]-BYH18636-sulfonamide-carboxylic acid: Adsorption to and desorption from five soils CX/04/069 Battelle AgriFood Ltd. GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.3	Henk F., Haas M., Sneikus J.	2007	GSE12201: Adsorption/desorption on five soils MEF-027/04 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.1.3	Koenig H., Fliege R.	2006	BYH 18636-triazolinone-carboxamide (AE 1430601): Estimation of the adsorption coefficient (Koc) MEF-05/417 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.2.1.3	Eya B.K.	1995	[Carbonyl-^{13}C][phenyl-U-^{14}C]ZA 1296 and [cyclohexane-2-^{14}C]ZA 1296 – Aqueous photolysis. Zeneca Agrochemicals Report No: RR94-071B	N	N	-	Syngenta *Out of data protection*
KCA 7.2.1.3	Eya B.K.	1997	Calculation of the Water Photolysis Half Life at 50°N. Zeneca Agrochemicals Report No: 6439	N	N	-	Syngenta *Out of data protection*
KCA 7.2.2.2	Graham R., Yeo-mans P.	2013	Aerobic Mineralisation of 14C-Phenyl Labelled ZA1296 in Surface Water Syngenta Smithers Viscient (ESG) Ltd GLP, not published	N	N	-	Syngenta *Matching data*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
							provided
KCA 7.2.2.2	Miner P.	2016	Aerobic Mineralisation of 14C-Mesotrione in Surface Water. AgChem Product Development Ricerca Biosciences, LLC, USA Study No. 034269-1 GLP, not published	N	N	-	Globachem NV *Matching data*
KCA 7.2.2.3	Graham R., Gilbert J.	2013	Mesotrione - Aerobic and Anaerobic Aquatic Sediment Metabolism of [Phenyl-14C]- Mesotrione Syngenta Smithers Viscient (ESG) Ltd Covance Laboratories Limited GLP, not published	N	N	-	Syngenta *Matching data provided*
KCA 7.2.2.3	Miner P.	2016	Aerobic Aquatic Metabolism of [14C]Mesotrione. AgChem Product Development Ricerca Biosciences, LLC, USA Study No. 034270-1 GLP, not published	N	N	-	Globachem NV *Matching data*
KCA 7.2.2.3	Hardy I.	2013	Mesotrione – Kinetic Modelling Analysis of Data from Water Sediment Studies to Derive Modelling and Persistence Endpoint DT_{50} Values Syngenta Battelle UK Ltd. Not GLP, not published	N	N	-	Syngenta *No data protection claimed*
KCA 7.2.2.3	Henk F., Haas M.	2006	BYH18636: Aerobic aquatic metabolism MEF-05/008 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.2.2.3	Sneikus L.	2007	BYH18636-MMT: Aerobic aquatic degradation MEF-06/500 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 7.2.2.3	Hammel K.	2007	Kinetic evaluation of the aerobic aquatic metabolism of BYH 18636, BYH 18636-carboxylic acid, BYH 18636-	N	N	-	Bayer CropScience

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			sulfonamide, BYH 18636-sulfonamide-carboxylic acid, BYH 18636-MMT and BYH 18636-dicarboxy-sulfonamide MEF-06/489 Bayer CropScience AG Not GLP Unpublished				*Not protected (not GLP)*
KCA 7.3	Patel A., Benner K.	1997	ZA 1296: Volatilisation from Soil and Leaf Surfaces Following Application as a Suspension concentrate Formulation Containing a Build in Wetter. Zeneca Agrochemicals Report No: RJ2374B	N	N	-	Syngenta *No data protection claimed*
KCA 7.3	Fliege R.	2007	BYH 18636 (AE 1162464): Calculation of the chemical lifetime in the troposphere MEF-05/299 Bayer CropScience AG GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.1.1.1	[redacted]	1995	ZA 1296: Acute oral toxicity (LD_{50}) of mesotrione to Bobwhite quail [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*
KCA 8.1.1.1	[redacted]	2005	Acute oral toxicity for bobwhite quail (Colinius virgianus) with BYH 18636 a.s. [redacted] GLP Unpublished	Y	N	-	Bayer CropScience *Data out of protection*
KCA 8.1.1.2	[redacted]	1995	ZA 1296: Sub-acute dietary toxicity (LC_{50}) to the Bobwhite quail [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCA 8.1.1.2	[redacted]	1995	ZA 1296: Sub-acute dietary toxicity (LC_{50}) to the Mallard duck [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*
KCA 8.1.1.3	[redacted]	1997	ZA 1296: Effects on reproduction in Bobwhite quail [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*
KCA 8.1.1.3	[redacted]	1997	ZA 1296: Effects on reproduction of Mallard duck. [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*
KCA 8.1.1.3	[redacted]	2007	Effect of technical BYH 18636 on mallard reproduction [redacted] GLP Unpublished	Y	N	-	Bayer CropScience *Data out of protection*
KCA 8.1.2.1	[redacted]	1994	ZA 1296: Acute oral toxicity to the rat [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*
KCA 8.1.2.1	[redacted]	1996	2-nitro-4-methylsulfonyl benzoic acid: Acute oral toxicity to the rat [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*
KCA 8.1.2.1	[redacted]	1996	AMBA (2-amino-4-methylsulfonyl benzoic acid): Acute oral toxicity to the rat [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*
KCA	Anonymous	2004	BYH 18636 – Acute toxicity in the rat after oral	Y	N	-	Bayer

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
8.1.2.1			administration [redacted] GLP Unpublished				CropScience *Data out of protection*
KCA 8.1.2.2	[redacted]	1997	ZA 1296: Multigeneration study in the rat [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*
KCA 8.1.2.2	[redacted]	2005	BYH 18636 – Two-generation reproduction study in the Wistar rat by administration in the diet [redacted] GLP Unpublished	Y	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.1	[redacted]	1994	ZA 1296: Acute Toxicity to Rainbow Trout (Oncorhynchus mykiss) [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*
KCA 8.2.1	[redacted]	1994	ZA 1296: Acute Toxicity to Bluegill Sunfish (Lepomis macrochirus) [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*
KCA 8.2.1	[redacted]	1997	MNBA: Acute Toxicity to Rainbow Trout (Oncorhynchus mykiss) [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*
KCA 8.2.1	[redacted]	1998	R044276 (AMBA): Acute Toxicity to Rainbow Trout (Onchorhynchus mykiss) [redacted] GLP	Y	N	-	Syngenta *Data out of protection*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Unpublished				
KCA 8.2.1	[redacted]	2005	Acute toxicity of BYH 18636 technical to the rainbow trout (Oncorhyncus mykiss) under static conditions [redacted] GLP Unpublished	Y	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.1	[redacted]	2005	Acute toxicity of BYH 18636 sulfonamide to the rainbow trout (Oncorhyncus mykiss) under static conditions [redacted] GLP Unpublished	Y	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.2	[redacted]	1997	ZA 1296: Chronic Toxicity to Fathead Minnow (Pimephales promelas) Embryos and Larvae [redacted] GLP Unpublished	Y	N	-	Syngenta *Data out of protection*
KCA 8.2.2	[redacted]	2006	Early life stage toxicity of BYH 18636 technical to the fathead minnow (Pimephales promelas) under flow-through conditions [redacted] GLP Unpublished	Y	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.4.1	Gentle W. E., Hamer M. J.	1995	ZA 1296: Acute Toxicity of the Technical Material to First Instar Daphnia magna RJ1872B Zeneca Agrochemicals GLP Unpublished	N	N	-	Syngenta *Data out of protection*
KCA 8.2.4.1	Kent S. J., Shillabeer N.	1997	MNBA: Acute Toxicity to Daphnia magna BL6108/B Zeneca Brixham Laboratory	N	N	-	Syngenta *Data out of*

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			GLP Unpublished				*protection*
KCA 8.2.4.1	Magor S. E., Gore N. R.	1998	R044276 (AMBA): Acute Toxicity to Daphnia magna BL6392/B Zeneca Brixham Laboratory GLP Unpublished	N	N	-	Syngenta *Data out of protection*
KCA 8.2.4.1	Banman C.S.; Lam C.V.	2005	Acute toxicity of BYH 18636 technical to the Daphnia magna under static conditions EBGSM007 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.4.1	Bruns E.	2007	Acute toxicity of BYH 18636-sulfonamide to the water flea Daphnia magna in a static laboratory test system – limit test EBGSP087 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.5.1	Morris D.S. *et al.*	1996	ZA 1296: Chronic Toxicity to Daphnia magna BL5832/B Zeneca Brixham Laboratory GLP Unpublished	N	N	-	Syngenta *Data out of protection*
KCA 8.2.5.1	Kern M.E., Lam C.V.	2006	Chronic toxicity of BYH 18636 technical to the Daphnia magna under static renewal conditions EBGSM008-1 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.5.3	Bruns E.	2006	Acute toxicity of BYH 18636 (tech.) to larvae of Chironomus riparius in a 48 h static laboratory test system (Limit-Test)	N	N	-	Bayer CropScience

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			EBGSP03-7 Bayer CropScience GLP Unpublished				*Data out of protection*
KCA 8.2.5.3	Bruns E.	2006	Acute toxicity of BYH 18636-carboxylic acid to larvae of Chironomus riparius in a 48 h static laboratory test system (Limit-Test) EBGSP07-9 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.5.3	Bruns E.	2006	Acute toxicity of BYH 18636-sulfonamide-carboxylic acid to larvae of Chironomus riparius in a 48 h static laboratory test system (Limit-Test) EBGSP07-8 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.6.1	Shillabeer N., Kent S.J., Smyth D.V.	1997	ZA 1296: Toxicity to the green alga, Selenastrum capricornutum BL6113/B Brixham Environmental Laboratory, Zeneca Limited GLP Unpublished	N	N	-	Syngenta *Data out of protection*
KCA 8.2.6.1	Smyth D.V. *et al.*	1997	MNBA: Toxicity to the green alga, Selenastrum capricornutum BL6066/B Brixham Environmental Laboratory, Zeneca Limited GLP Unpublished	N	N	-	Syngenta *Data out of protection*
KCA 8.2.6.1	Smyth, D. V., Magor, S. E., Shillabeer, N.	1998	R044276 (AMBA): Toxicity to Green Alga (Selenastrum capricornutum) BL6354/B Brixham Environmental Laboratory, Zeneca Limited	N	N	-	Syngenta *Data out of protection*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			GLP Unpublished				
KCA 8.2.6.1	Kern M.E., Banman C.S., Lam C.V.	2005	Toxicity of BYH 18636 technical to the green algae – Pseudokirchneriella subcapitata EBGSM001 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.6.1	Banman C.S., Lam C.V.	2005	Toxicity of BYH 18636 sulfonamide to the green algae Pseudokirchneriella subcapitata EBGSP003 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.6.2	Kern M.E., Roberts J.A., Lam C.K.	2005	Toxicity of BYH 18636 technical to the freshwater diatom Navicula pelliculosa EBGSPM015 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.6.2	Kern M.E., Lam C.V.	2006	Toxicity of BYH 18636 technical to the blue-green alga Anabaena flos-aquae EBGSP012-1 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.7	Smyth D.V. *et al.*	1997	ZA 1296: Toxicity to the Duckweed (Lemna gibba) BL5849/B Brixham Environmental Laboratory, Zeneca Limited GLP Unpublished	N	N	-	Syngenta *Data out of protection*
KCA 8.2.7	Liedtke A.	2013	R169649 - Toxicity to the aquatic higher plant Lemna gibba in a 7-day growth inhibition test D55592	N	N	-	Syngenta *Matching*

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			Harlan Laboratories Ltd. GLP Unpublished				*data provided*
KCA 8.2.7	Renner P.	2016	Effects of MNBA on lemna gibba in a growth inhibition test under semi-static test conditions. 16 10 48 034 W BioChem agrar GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 8.2.7	Liedtke A.	2013	R44276 - Toxicity to the aquatic higher plant Lemna gibba in a 7-day growth inhibition test D55614 Harlan Laboratories Ltd. GLP Unpublished	N	N	-	Syngenta *Matching data provided*
KCA 8.2.7	Renner P.	2016	Effects of AMBA on *lemna gibba* in a growth inhibition test under semi-static test conditions. 16 10 48 035 W BioChem agrar GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 8.2.7	Liedtke A.	2013	SYN546974 - Toxicity to the aquatic higher plant Lemna gibba in a 7-day growth inhibition test D77394 Harlan Laboratories Ltd. GLP Unpublished	N	N	-	Syngenta *Matching data provided*
KCA 8.2.7	Renner P.	2016	Effects of SYN546974 on lemna gibba in a growth inhibition test under semi-static test conditions. 16 10 48 036W BioChem agrar GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA	Kern M.E., Lam	2006	Toxicity of BYH 18636 technical to duckweed (Lemna	N	N	-	Bayer

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8.2.7	C.V.		gibba G3) under static-renewal conditions EBGSM016 Bayer CropScience GLP Unpublished				CropScience *Data out of protection*
KCA 8.2.7	Christ M. T., Lam C.V.	2007	Toxicity of BYH 18636 technical to the aquatic macrophyte, Myriophyllum spicatum, during a 14-day exposure and 14-day recovery period EBGSP077 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.7	Hoberg J.R.	2007	BYH 18636 – Comparative toxicity to three aquatic macrophytes during a 14-day exposure followed by a 14-day recovery period EBGSP086 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.7	Banman C.S., Lam C.V.	2005	Toxicity of BYH 18636 carboxylic acid to duckweed (Lemna gibba G3) under static renewal conditions EBGSP019 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.7	Dorgerloh M.	2006	Lemna gibba G3 growth inhibition test with BYH 18636 – sulfonamide-carboxylic acid under static conditions EBGSP042 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.7	Christ M.T., Lam C.V.	2006	Toxicity of BYH 18636 sulfonamide (a metabolite of BYH 18636) to duckweed (Lemna gibba G3) under static-renewal conditions	N	N	-	Bayer CropScience

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			EBGSP029 Bayer CropScience GLP Unpublished				*Data out of protection*
KCA 8.2.7	Christ M.T., Lam C.V.	2007	Toxicity of BYH 18636 MMT (a metabolite of BYH 18636) to duckweed (Lemna gibba G3) under static-renewal conditions EBGSP040 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.7	Christ M.T., Hoff-mann J.M., Lam C.V.	2007	Toxicity of BYH 18636-dicarboxy-sulfonamide (a metabolite of BYH 18636) to duckweed (Lemna gibba G3) under static-renewal conditions EBGSP045 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.8	Banman C.S., Lam C.V.	2005	Acute toxicity of BY 18636 technical to the sheepshead minnow (Cyprinodon variegatus) under static conditions EBGSM011 Bayer CropScience GLP Unpublished	Y	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.8	Putt A.E.	2006	BYH 18636 technical – acute toxicity to Mysids (Americamysis bahia) under flow-through conditions EBGSP011 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.8	Putt A.E.	2006	BYH18636 technical – life-cycle toxicity test with mysids (americamysis bahia) under flow-through conditions EBGSP004 Bayer CropScience	N	N	-	Bayer CropScience *Data out of*

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			GLP Unpublished				*protection*
KCA 8.2.8	Cafarella M.A.	2006	BYH 18636 technical – acute toxicity to Eastern Oyster (Crassostrea virginica) under flow-through conditions EBGSP010 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.2.8	Christ M.T., Lam C.V.	2006	Toxicity of BYH 18636 technical to the saltwater diatom Skeletonema costatum EBGSM017 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.3.1.1	Jackson D., Gough H.J.	1995	ZA 1296: Acute Contact and Oral Toxicity to the Honey Bees (Apis mellifera) of Technical Material RJ1959B Zeneca Agrochemicals GLP Unpublished	N	N	-	Syngenta *Data out of protection*
KCA 8.3.1.1	Barth M.	2005	Acute toxicity of BYH 18636 a.i. tech. to the honeybee Apis mellifera L. under laboratory conditions 05 10 48 030 BioChem agrar GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.4.1	Friedrich S.	2011	Mesotrione SC (A12739A) - Sublethal toxicity to the earthworm Eisenia fetida in artificial soil 11 10 48 003 S BioChem agrar GLP Unpublished	N	N	-	Syngenta *Matching data provided*
KCA 8.4.1	Friedrich S.	2016	Sublethal effects of Mesotrione 100 SC on the earthworm Eisenia fetida in artificial soil.	N	N	-	Globachem NV

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			16 10 48 112 S BioChem agrar GLP Unpublished				*Matching data*
KCA 8.4.1	Friedrich S.	2013	R44276 – Sublethal Toxicity to the Earthworm Eisenia fetida in Artificial Soil with 5% Peat 13 10 48 111 S BioChem agrar GLP Unpublished	N	N	-	Syngenta *Matching data provided*
KCA 8.4.1	Friedrich S.	2016	Effects of AMBA on the earthworm Eisenia fetida in arti-ficial soil. 16 10 48 144 S BioChem agrar GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 8.4.1	Friedrich S.	2013	R169649 – Sublethal Toxicity to the Earthworm Eisenia fetida in Artificial Soil with 5 % Peat 13 10 48 086 S BioChem agrar GLP Unpublished	N	N	-	Syngenta *Matching data provided*
KCA 8.4.1	Friedrich S.	2016	Effects of MNBA on the earthworm *Eisenia fetida* in arti-ficial soil. 16 10 48 145 S BioChem agrar GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 8.4.1	Lechelt-Kunze C.	2005	BYH 18636-carboxylic acid (technical): Effects on survival, growth and reproduction on the earthworm Eisenia fetida tested in artificial soil LKC-RG-R-17/05 Bayer CropScience GLP	N	N	-	Bayer CropScience *Data out of protection*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Unpublished				
KCA 8.4.1	Friedrich S.	2006	BYH 18636-sulfonamide: Sublethal toxicity to the earthworm Eisenia fetida in artificial soil 06 10 48 063 BioChem agrar GmbH GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.4.1	Luehrs U.	2006	BYH 18636-sulfonamide-carboxylic acid: effects on reproduction and growth of earthworms Eisenia fetida in artificial soil 28471022 Ibacon GmbH GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.4.1	Luehrs U.	2006	BYH 18636-MMT: effects on reproduction and growth of earthworms Eisenia fetida in artificial soil 28461022 Ibacon GmbH GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.4.2	Friedrich S.	2013	Mesotrione SC (A12739A) - Effects on the Reproduction of the Collembolan Folsomia candida 13 10 48 009 S BioChem agrar GLP Unpublished	N	N	-	Syngenta *Matching data provided*
KCA 8.4.2	Friedrich S.	2016	Effects of Mesotrione 100 SC on the reproduction of the collembolan *Folsomia candida* 16 10 48 111 S BioChem agrar GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 8.4.2	Schulz L.	2013	Mesotrione SC (A12739A) - Effects on the Reproduction of the Predatory Mite Hypoaspis aculeifer	N	N	-	Syngenta

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			13 10 48 010 S BioChem agrar GLP Unpublished				*Matching data provided*
KCA 8.4.2	Schulz L.	2016	Effects of Mesotrione 100 SC on the reproduction of the predatory mite *Hypoaspis aculeifer* 16 10 48 058 S BioChem agrar GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 8.4.2	Frommholz U.	2006	BYH 18636 tech.: Influence on the reproduction of the collembola species Folsomia candida tested in artificial soil FRM-COLL-46/06 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.4.2	Frommholz U.	2005	BYH 18636-carboxylic acid: Influence on the reproduction of the collembola species Folsomia candida tested in artificial soil LKC-COLL-44/05 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.4.2	Friedrich S.	2006	BYH 18636-sulfonamide-carboxylic acid: Effects on the reproduction of the collembolans Folsomia candida 06 10 48 168 BioChem agrar GmbH GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.4.2	Friedrich S.	2006	BYH 18636-MMT: Effects on the reproduction of the collembolans Folsomia candida 06 10 48 167 BioChem agrar GmbH	N	N	-	Bayer CropScience *Data out of*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			GLP Unpublished				*protection*
KCA 8.4.2	Friedrich S.	2006	BYH 18636-triazolinone-carboxamide: Effects on the reproduction of the collembolans Folsomia candida 06 10 48 169 BioChem agrar GmbH GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.5	Schulz L.	2013	Mesotrione SC (A12739A) – Effects on the Activity of Soil Microflora (Nitrogen and Carbon Transformation Tests) 13 10 48 006 C/N BioChem agrar GLP Unpublished	N	N	-	Syngenta *Matching data provided*
KCA 8.5	Servajean E.	2013	Soil micro-organisms: nitrogen transformation test with Mesotrione 100 SC (OECD 216, January 2000). 16-99-053-ES Phytosafe s.a.r.l. GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 8.5	Schulz L.	2013	R169649 and R44276 – Effects on the Activity of Soil Microflora (Nitrogen and Carbon Transformation Tests) 12 10 48 045 C/N BioChem agrar GLP Unpublished	N	N	-	Syngenta *Matching data provided*
KCA 8.5	Schulz L.	2016	Effects of AMBA on the activity of soil microflora (Nitro-gen transformation test) 16 10 48 035 N BioChem agrar GLP Unpublished	N	N	-	Globachem NV *Matching data*
KCA 8.5	Schulz L.	2016	Effects of MNBA on the activity of soil microflora (Nitro-	N	N	-	Globachem

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			gen transformation test). 16 10 48 036 N BioChem agrar GLP Unpublished				NV *Matching data*
KCA 8.5	Lechelt-Kunze C.	2005	BYH 18636 tech.: determination of effects on nitrogen transformation in soil LKC-N-55/05 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.5	Lechelt-Kunze C.	2005	Metabolite BYH 18636-carboxylic acid: determination of effects on nitrogen transformation in soil LKC-N-56/05 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.5	Heimbach F.	2006	Metabolite BYH 18636-sulfonamide: determination of effects on nitrogen transformation in soil LKC-N-66/06 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.5	Heimbach F.	2006	Metabolite BYH 18636-sulfonamide-carboxylic acid: determination of effects on nitrogen transformation in soil LKC-N-67/06 Bayer CropScience GLP Unpublished	N	N	-	Bayer CropScience *Data out of protection*
KCA 8.5	Heimbach F.	2006	Metabolite BYH 18636-MMT: determination of effects on nitrogen transformation in soil LKC-N-65/06 Bayer CropScience GLP	N	N	-	Bayer CropScience *Data out of protection*

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Unpublished				

The following tables are to be completed by MS

List of data submitted by the applicant and not relied on

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

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

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Verte-brate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner