

REGISTRATION REPORT

Part A

Risk Management

Product code: AG-E1-500 SC1

Product name: Ethosat 500 SC

Chemical active substance:

Ethofumesate, 500 g/L

Central Zone

Zonal Rapporteur Member State: Poland

NATIONAL ASSESSMENT Poland
(authorization)

Sponsor: ADAMA Agan Ltd.

Applicant: ADAMA Polska Sp. z o.o.

Submission date: March 2021

MS Finalisation date: January 2022 (initial National Assessment)

June 2022 (final National Assessment)

Version history

When	What
March 2021	dRR version 1 submitted by applicant
January 2022	Initial zRMS assessment In order to facilitate tracking of changes of the intended uses of the product due to the performed evaluation, amendments of the GAP table and the product label are highlighted in grey, while not agreed use pattern is struck through and shaded .
June 2022	Final report (National Assessment updated following the commenting period) Additional information/assessments included by the zRMS in the report in response to comments received from the cMS and the Applicant are highlighted in yellow. Information no longer relevant is struck through and shaded .

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PART A

RISK MANAGEMENT

1 Details of the application

1.1 Application background

This application under article 33 of regulation 1107/2009 submitted by the applicant in March 2021 is for the first authorisation of the product AG-E1-500 SC1, a soluble concentrate containing 500 g/L ethofumesate for use in sugar beets and fodder beets, with a maximum application rate of 0.6 L/ha and at latest BBCH of 18.

The zRMS for this central zone dossier is Poland. The concerned member states (cMS) are Hungary and Slovakia.

An application is submitted in parallel to the Central Zone (zRMS Germany), the Northern Zone (zRMS Sweden) and to the Southern zone (zRMS France) in March 2021.

1.2 Letters of Access

Not applicable.

1.3 Justification for submission of tests and studies

All reports submitted are needed for the first registration of AG-E1-500 SC1 in accordance to the data requirements laid down in Regulation (EC) No. 284/2013.

1.4 Data protection claims

Under Article 59, Regulation 1107/2009/EC, on behalf of the Sponsor Company, the Applicant claims data protection for the studies submitted with this application. The list of the studies for which the applicant requests data protection are reported in the appendix 4 of Part A. The Applicant confirms that no period of data protection has previously been granted in respect of the study or has been granted and not yet expired.

2 Details of the authorization decision

2.1 Product identity

Product code	AG-E1-500 SC1
Product name in MS	Ethosat 500 SC
Authorization number	new product
Function	herbicide
Applicant	ADAMA Polska Sp. z o.o.
Active substance(s) (incl. content)	ethofumesate; 500 g/L
Formulation type	Suspension concentrate [Code: SC]
Packaging	1, 5, 10 and 20 L HDPE, professional user
Coformulants of concern for national authorizations	not applicable
Restrictions related to identity	not applicable
Mandatory tank mixtures	not applicable
Recommended tank mixtures	not applicable

2.2 Conclusion

The evaluation of the application for Ethosat 500 SC resulted in the decision to grant the authorization. All uses applied for may be authorised. In order to protect groundwater this or any other product containing ethofumesate may be applied every third year. **Maximum cumulative rate of ethofumesate on the treated field from all used products with this substance is 1000 g a.s. every three years.**

2.3 Substances of concern for national monitoring

Not applicable.

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:	Aquatic Chronic 1
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The following labelling information is derived from the classification and to be mentioned in the safety data sheet. The information which is determined for the **label is formatted bold**:

Hazard pictograms:	GHS09
Signal word:	Warning
Hazard statements:	H410
Precautionary statements:	P102, P501, P391
Additional labelling phrases:	To avoid risks to man and the environment, comply with the instructions for use. [EUH401]

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

SP 1	Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).
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2.4.3 Other phrases (according to Article 65 (3) of the Regulation (EU) No 1107/2009)

Refer to national product label.

2.5 Risk management

2.5.1 Restrictions linked to the PPP

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

Operator protection:	
Respective code if available	none
Worker protection:	
Respective code if available	none
Integrated pest management (IPM)/sustainable use:	
Respective code if available	none
Environmental protection	
Respective code if available	<p>SPe1: To protect groundwater do not apply this or any other product containing ethofumesate more than every 3 years. Maximum cumulative rate of ethofumesate on the treated field from all used products with this substance is 1000 g a.s. every three years.</p> <p>SPe3: To protect aquatic organisms respect an unsprayed buffer zone of 1 m to non-agricultural land/surface water bodies.</p>

	SPE3: To protect non-target plants respect an unsprayed buffer zone of 1 m to non-agricultural land/surface water bodies.
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2.5.2 Specific restrictions linked to the intended uses

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

Integrated pest management (IPM)/sustainable use:		Relevant for use no.
	none	

2.6 Intended uses (only NATIONAL GAP)

PPP (product name/code):	AG-E1-500 SC1	Formulation type:	SC
Active substance 1:		Conc. of as 1:	500 g/L
Safener:	not relevant	Conc. of safener:	not relevant
Synergist:	not relevant	Conc. of synergist:	not relevant
Applicant:	ADAMA Polska Sp. z o.o.	Professional use:	X
Zone(s):	central	Non professional use:	<input type="checkbox"/>
Verified by MS:	yes <small>⚠</small>		
Field of use:	herbicide		

GAP rev. 3 ±, date: 06.2022 01.2022

Remarks table heading :	(a)	e.g. wettable powder (WP), emulsifiable concentrate (EC), granule (GR)	(d)	Select relevant
	(b)	Catalogue of pesticide formulation types and international coding system CropLife International Technical Monograph n°2, 6th Edition Revised May 2008	(e)	Use number(s) in accordance with the list of all intended GAPs in Part B, Section 0 should be given in column 1
	(c)	g/kg or g/l	(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	7	Growth stage at first and last treatment (BBCH Monograph, Growth Stages of Plants, 1997, Blackwell, ISBN 3-8263-3152-4), including where relevant, information on season at time of application
	2	Use official codes/nomenclatures of EU Member States	8	The maximum number of application possible under practical conditions of use must be provided.
	3	For crops, the EU and Codex classifications (both) should be used; when relevant, the	9	Minimum interval (in days) between applications of the same product
		use situation should be described (e.g. fumigation of a structure)	10	For specific uses other specifications might be possible, e.g.: g/m ³ in case of fumigation of empty rooms. See also EPPO-Guideline PP 1/239 Dose expression for plant protection products.
	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	11	The dimension (g, kg) must be clearly specified. (Maximum) dose of a.s. per treatment (usually g, kg or L product / ha).
	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.	12	If water volume range depends on application equipments (e.g. ULVA or LVA) it should be mentioned under “application: method/kind”.
	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.	13	PHI - minimum pre-harvest interval
			14	Remarks may include: Extent of use/economic importance/restrictions
			15	Overall conclusions - explanation for the column 15 is below*

* Explanation for column 15 “Overall conclusions”

A	Acceptable, Safe use
R	Further refinement and/or risk mitigation measures required
C	To be confirmed by cMS
N	No safe use

3 Background of authorization decision and risk management

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

All studies have been performed in accordance with the current requirements and the results are deemed to be acceptable. The appearance of the product is that of a homogeneous white liquid. It is not explosive, has no oxidising properties. The product has a flash point of >90 °C. It has a self-ignition temperature of 480°C. The pH value of the neat formulation is 7.7 at ambient temperature. There is no effect of low and high temperature on the stability of the formulation, since after 7 days at 0 °C and 14 days at 54 °C, neither the content of the active ingredient nor the technical properties were changed. ~~The 2-years shelf-life study is on going at the time of submission of this dossier. Interim~~ The results after one year ~~two~~ years of storage are provided. Based on these results and on the accelerated storage stability study, the data confirms the high quality of the formulation and the shelf life ~~expected to be~~ at least 2 years when stored at ambient temperature in HDPE commercial containers. Its technical characteristics are acceptable for a SC formulation.

The intended concentration of use is 0.05% to 0.66% v/v.

The product can be used in tank mixtures.

Justified Proposals for Classification and Labelling (KCP 12) for physical chemical part only

Experimental results on the product AG-E1-500 SC1 with regard to product classification and labelling:

Studies	Method	Findings	Classification acc. to Regulation (EC) No. 1272/2008
Explosive properties	Expert statement	Not explosive	None
Oxidising properties	Expert statement	Not oxidizing	None
Flammability	--	Not applicable for SC-formulation	--
Flash point	EEC A.9	> 90°C	None
Auto-flammability	EEC A.15	Self-ignition temperature = 480°C	None
pH	CIPAC MT 75.3	7.7	None
Viscosity	CIPAC MT 192, OECD	Dynamic viscosity at 20°C 213.1 mPa*s at 18 s ⁻¹ and 85.5 mPa*s at 105 s ⁻¹ Dynamic viscosity at 40°C 190.0 mPa*s at 18 s ⁻¹ 76.3 mPa*s at 105 s ⁻¹ Kinematic Viscosity at 20°C 170.5 mm ² /s at 18 s ⁻¹ 62.5 mm ² /s at 18 s ⁻¹	None
Surface tension	EEC A.5	41.6 mN/m for 1% (v/v) solution of the test item in water at 21.7°C	None
Relative density	EEC A.3	1.12 g/mL	None

Notifier Proposals for Risk and Safety Phrases (KCP 12)

No precautionary statements according to Regulation (EC) No. 1272/2008 are needed with regard to the physical/chemical data of the product.

Compliance with FAO specifications:

The product AG-E1-500 SC1 complies with FAO specifications.

3.2 Efficacy (Part B, Section 3)

To demonstrate the efficacy and crop safety of AG-E1-500 SC1 within the Central regulatory zone efficacy trials were conducted in the North-East (Poland) and the South-East (Hungary and Slovakia)

EPPO climatic zones. Regarding beet crops, the agronomic conditions and cultural practices in Germany and Czech Republic (Maritime EPPO zone) are very close to what is encountered in Poland (North-East EPPO zone). Moreover, the climatic conditions at application were globally homogeneous from a climatic zone to another. Thus, complementary data from Germany and Czech Republic are considered as supportive to evaluate the efficacy and crop safety of AG-E1-500 SC1.

Compliance with the Uniform Principles

The product AG-E1-500 SC1 complies with the Uniform Principles.

- Guidelines: Trials were conducted under GEP guidelines EPPO PP 1/52(3), PP 1/135(4), PP 1/152(4), PP 1/181(4) and PP 1/225(2) and followed method recommendations published by EPPO. No significant deviation to guidelines was reported.
- Testing facility or organisation: All trials were carried out by testing facilities officially recognised as competent to carry out efficacy testing in accordance with the requirements of Directive 93/71/EEC, and in accordance with the principles of GEP. Copies of certificates are given under point 3.7.
- Sites: Trials were located in areas considered to be either representative of the range of agricultural, plant health and environmental conditions (including climatic conditions) likely to be encountered in practice in the area of proposed use, or of a more severe nature of those conditions. The field were selected based on a history of infestation with annual weeds.
- Meteorological information: Trials included a range of climatic conditions representative of those where crops are grown commercially. Data describing the climatic conditions at application are presented in individual trial reports. In all cases, conditions were within the normal range for the areas in which the trials were conducted for the duration of the study or were considered to have represented a more severe nature of those conditions.
- Experimental details: In all trials, crops were managed according to local agronomical best practices. There were no significant deviations from the specified testing methods in any trial. Trials were conducted in order to investigate the effectiveness of AG-E1-500 SC1 as an herbicide against annual weeds of economical importance in sugar and fodder beets, in order to assess its efficacy under the conditions in which it will be applied.

3.3 Efficacy data

Preliminary tests

No preliminary tests were carried out as ethofumesate has been used for many years in beets and as AG-E1-500 SC1 was formerly registered in several countries of the EU Central zone, North-East and South-East EPPO zones (Poland and Slovakia).

Minimum effective dose tests

Results of 10 efficacy trials conducted in 2019 and 2020 in Poland (North-East EPPO zone) showed that AG-E1-500 SC1 applied in split-up applications 3 times at 0.6 L/ha gives a satisfactory control on the key weeds *Stellaria media* (STEME) and *Galium aparine* (GALAP). Both tested lower rates gave lower results on all the weed species.

As a result, the proposed rate for AG-E1-500 SC1 in Poland is 3*0.6 L/ha (*i.e.* a total amount of 1.8 L/ha).

Efficacy

Results of 10 trials implemented in Poland in 2019 and 2020 showed that AG-E1-500 SC1 applied as split-up application 3 times at 0.6 L/ha, gave a satisfactory level of control against the key weeds *Galium aparine* and *Stellaria media*, which are of economical importance in sugar beet in the Central zone of Europe.

Results of 6 trials implemented in the Czech Republic and Germany in 2019 and 2020 showed that AG-E1-500 SC1 applied as split-up application 3 times at 0.6 L/ha controls there a number of key weeds of economical importance in sugar beet in the Central zone of Europe, especially against *Galium aparine*, *Stellaria media*, *Persicaria maculosa* and *Thlaspi arvense*.

Results of 10 trials implemented in Poland (North-East EPPO zone) in 2019 and 2020 showed that the tank-mix [GOLTIX TITAN 565 SC 1.5 L/ha + AG-E1-500 SC1 0.5 L/ha] applied 3 times gave an excellent and broad-spectrum level of control against most weeds of economical importance in sugar beet in the Central zone of Europe, such as *Stellaria media*, *Galium aparine*, *Chenopodium album*, *Lamium purpureum*, *Fallopia convolvulus* and *Veronica persicaria*.

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

The occurrence of resistance may result from the application of one herbicide or several herbicides with a similar mode of action, often associated with monocropping and reduced cultivation practices. These cultivation practices have an effect on weed seedbank. The risk of resistance arising is dependent on the mode of action of the active substance and the inherent ability of the target plant to develop resistance. A weed species is considered resistant to a herbicide if it survives a correctly applied treatment at the recommended dose.

Ethofumesate is a selective systemic herbicide. It is an inhibitor of elongases, enzymes leading to long chain of fatty acids (over 18 C), precursors of waxy cuticle and sobering. It acts as an inhibitor of cell division and lipid synthesis in the seedling shoot leading to retardation of meristem growth. The selectivity of the beet can be explained by its ability to metabolize this active substance, rendering it inactive.

The key strategy to manage the resistance development is the reduction of pressure on populations by using combined techniques (HRAC guideline):

- Soil cultivation does not exert a chemical selection pressure and limit the soil seed bank. One of the most efficient for annual weeds is ploughing or deep till prior to control emerged plants. Ploughing and deep till bury also new seeds.
- Crop rotation avoids successive crops in the same field which require herbicides with the same mode of action for control of the same weed species. Different crops will allow rotation of herbicides having a different site of action and can interrupt the growth season of the weed. A strongly competitive crop in the rotation can give a better chance to restrict weed seed production. Including autumn and spring sown crops within a rotation increases the range of weed species and reduces overall numbers. This makes easier the weeding.
- herbicide management
 - use of products with alternative modes of action in sequence.
 - use of products with alternative modes of actions in tank mixture if recommended. AG-E1-500 SC1 will always be applied in tank-mix with other herbicides from different families, which minimises at the maximum the selection pressure on ethofumesate, added to the crop rotations with an interval of generally at least 3 years.
 - use of low residual herbicides and/or contact herbicides.

Determination of the combined risk of resistance with AG-E1-500 SC1

- Inherent risk of resistance for target weeds: low to high
- Inherent risk of resistance for the active substance: very low
- Inherent agronomic risk for resistance development: low

In conclusion, even if the inherent risk for the target weeds can be high, considering the fact that the inherent risk of resistance for the active substance is very low and that the inherent agronomic risk for

resistance development is low, **it can be concluded that the risk of resistance with AG-E1-500 SC1 used according to the GAP is low.**

3.3.2 Adverse effects on treated crops

Conclusion of selectivity for the North-East EPPO zone:

According to the results of 6 selectivity trials and 10 efficacy trials carried out in the North-East EPPO zone (Poland) in 2019 and 2020, AG-E1-500 SC1 applied on sugar beet up to 0.6 L/ha and maximum 3 times per season (*i.e.* a total rate of 1.8 L/ha) is safe to sugar beet.

According to the supporting results of 4 selectivity trials and 6 efficacy trials carried out in the Maritime EPPO zone (Germany and Czech Republic) in 2019 and 2020, AG-E1-500 SC1 applied on sugar beet up to 0.66 L/ha and maximum 3 times per season (*i.e.* a total rate of 2.0 L/ha) is safe to sugar beet.

According to the results of 6 selectivity trials and 10 efficacy trials carried out in the North-East EPPO zone (Poland) in 2019 and 2020, AG-E1-500 SC1 applied at 3 times at 0.5 L/ha in tank-mix with GOLTIX TITAN and an oil-based adjuvant, is safe to sugar beet. Results of 1 selectivity trial carried out in the Maritime EPPO zone (Germany) in 2020 led to the same conclusion.

Conclusion on the effect on yield for the North-East EPPO zone:

According to the results of 6 selectivity trials carried out in the North-East EPPO zone (Poland) in 2019, AG-E1-500 SC1 applied on sugar beet up to 0.6 L/ha and maximum 3 times per season (corresponding to a total dose rate of 1.8 L/ha) has no negative impact on the yield of the treated beets.

According to the results of 4 supporting selectivity trials carried out in the Maritime EPPO zone (Germany) in 2019 and 2020, AG-E1-500 SC1 applied on sugar beet up to 0.66 L/ha and maximum 3 times per season (corresponding to a total dose rate of 2.0 L/ha) has no negative impact on the yield of the treated beets.

According to the results of 6 selectivity trials carried out in the North-East EPPO zone (Poland) in 2019 and 2020, AG-E1-500 SC1 applied at 3 times at 0.5 L/ha in tank-mix with GOLTIX TITAN and an oil-based adjuvant has no negative impact on the yield of the treated crop. Results of 1 selectivity trial carried out in the Maritime EPPO zone (Germany) in 2020 led to the same conclusion.

Conclusion on the effect on yield quality for the North-East EPPO zone:

According to the results of 6 selectivity trials carried out in the North-East EPPO zone (Poland) in 2019, AG-E1-500 SC1 applied on sugar beet up to 0.6 L/ha and maximum 3 times per season (corresponding to a total dose rate of 1.8 L/ha) has no negative impact on the quality of the treated roots.

According to the results of 4 supporting selectivity trials carried out in the Maritime EPPO zone (Germany) in 2019 and 2020, AG-E1-500 SC1 applied on sugar beet up to 0.66 L/ha and maximum 3 times per season (corresponding to a total dose rate of 2.0 L/ha) has no negative impact on the quality of the treated roots.

According to the results of 6 selectivity trials carried out in the North-East EPPO zone (Poland) in 2019 and 2020, AG-E1-500 SC1 applied at 3 times at 0.5 L/ha in tank-mix with GOLTIX TITAN and an oil-based adjuvant has no negative impact on the quality of the treated roots. Results of 1 selectivity trial carried out in the Maritime EPPO zone (Germany) in 2020 led to the same conclusion.

Effects on transformation processes

Not relevant for sugar and fodder beets. The effect of AG-E1-500 SC1 on sugar content was addressed under Effects on the quality of plants or plant products.

Impact on treated plants or plant products to be used for propagation

Since AG-E1-500 SC1 is not intended to be applied in the seed plantations of sugar beet, no data on the effect on propagative material have been submitted.

3.3.3 Observations on other undesirable or unintended side-effects

Formulations with ethofumesate as the active component have been approved and widely used on beets for many years and when used according to label recommendation are known to have no adverse effects on succeeding and adjacent crops. No adverse effect of AG-E1-500 SC1 on beneficial and other non-target organisms was reported in the efficacy and selectivity trials presented in this dossier.

3.4 Methods of analysis (Part B, Section 5)

3.4.1 Analytical method for the formulation

The analysis of ethofumesate in the plant protection product AG-E1-500 SC1 (containing 500 g/L ethofumesate) was done by high performance liquid chromatograph (HPLC) with DAD detection using external standard technique.

3.4.2 Analytical methods for residues

Proposed uses for Ethosat 500 SC: sugar beet, fodder beet.

Residues definition:

- for plants

According to the EFSA Journal 2016;14(1):4374 and Regulation 2017/1016: Ethofumesate, ethofumesate-lactone (NC 9607), ethofumesate-carboxylic acid (NC 20645) and its conjugate (their sum expressed as ethofumesate)

- for foodstuff of animal origin

According to the EFSA Journal 2016;14(1):4374: Ethofumesate, ethofumesate-lactone (NC 9607), ethofumesate-carboxylic acid (NC 20645) (their sum expressed as ethofumesate)

According to the Regulation 2017/1016: Ethofumesate, ethofumesate-lactone (NC 9607), ethofumesate-carboxylic acid (NC 20645) and its conjugate (their sum expressed as ethofumesate)

The value of MRLs (Regulation 2017/1016):

- 0.2 mg/kg (sugar beet roots, beetroots),
- 0.03 mg/kg* (foodstuff of animal origin).
-

Adequate methods are available to monitor the respective current residue definition in plant material, soil, drinking water, surface water and air.

Validated methods for the generation of post-authorisation data

Matrix group / crop group	Residue definition for monitoring	LOQ	Methods		
			Primary method	Confirmatory method	Independent lab validation
Wheat grain = Dry commodity (high protein/high starch content)	Ethofumesate, 2-keto-ethofumesate (NC 9607), open ring-2-keto-ethofumesate (NC 20645) and its conjugate	0.01 mg/kg each	Schulte, G.; Diehl, P.; 2014; M-479926-01 BCS method 01392 LC-MS/MS <u>ethofumesate</u> : NC 20645: (common moiety covering all relevant metabolites) two transitions	not necessary for all analytes	Betson, S.; 2014 M-497682-01-1 LC-MS/MS covering all crop groups
Sugar beet leaf = Commodity with high water content		0.01 mg/kg each			
Rape seed = Commodity with high oil content		0.01 mg/kg each			
Orange fruit = Commodity with high acid content		0.01 mg/kg each			

Matrix group / crop group	Residue definition for monitoring	LOQ	Methods		
			Primary method	Confirmatory method	Independent lab validation
Hop, green cone = Commodity difficult to analyse		0.01 mg/kg each			
Milk	Ethofumesate, 2-keto- ethofumesate (NC 9607), open ring- 2-keto- ethofumesate (NC 20645)	0.01 mg/kg each	Jooß, S. 2012; P 2371 G UPL method LC-MS/MS two transitions for <u>ethofumesate</u> : and <u>NC 20645</u> <u>NC 9607</u> one transition	not necessary for <u>ethofumesate</u> and <u>NC 20645</u> <u>NC 9607</u> 2 nd LC column (different stationary phase)	Schlewitz, P. (2013b) LC-MS/MS covering all animal matrices
Eggs		0.01 mg/kg each			
Meat		0.01 mg/kg each			
Fat		0.01 mg/kg each			
Kidney/liver		0.01 mg/kg each			
Soil	Ethofumesate	0.05 mg/kg	Brumhard, B; 2003 M-122476-01-1 LC-MS/MS one transition	Schneider, E.; 2000 M-351953-01 GC-MS	not necessary
Water (surface)	Ethofumesate	0.05 µg/L	Krebber, R.; Braune, M., 2013, M-466732- 01 LC-MS/MS two transitions	not necessary	Stanislawski, T., 2013, M-470714- 02
Air	Ethofumesate	0.5 µg/m ³	Schneider, E.; 2000; M-351963-01-1 GC-MS 3 fragment ions >m/z 100	not necessary	not necessary
Body fluids	Not relevant (LoEP), therefore no method is justified	0.1 µg/mL	McKenzie 1994 reported in the DAR 1998 HPLC-UV	not reported	not necessary
Body tissues	Not relevant (LoEP), therefore no method is justified	refer to animal matrices above	refer to animal matrices above	refer to animal matrices above	refer to animal matrices above

3.5 Mammalian toxicology (Part B, Section 6)

Toxicological studies were performed with a previous composition of AG-E1-500 SC1. The results of these studies can be taken into account for AG-E1-500 SC1 as the difference in the composition can be regarded as minor. Details of both compositions are presented in the confidential Part C of this dossier.

3.5.1 Acute toxicity

Following studies with a previous composition of AG-E1-500 SC1 were performed: Acute oral, acute dermal, acute inhalation, skin irritation, eye irritation and skin sensitisation maximisation test. Comparison of both formulations are presented in the confidential Part C of this dossier. Difference in the composition has been considered as admissible, thus studies has been accepted as relevant data to prediction of toxicological potential of the product AG-E1-500 SC1. All studies were considered acceptable.

The formulation was not acutely toxic with respect to oral, dermal or inhalation application. The formulation was mildly irritant to skin according to Draize scheme and minimal irritant to the eye according to Kay and Calandra scheme. It showed a mild skin sensitising potential.

According to Regulation (EC) No 1272/2008 the findings in the toxicity studies did not trigger a classification. Also, the toxicological properties of the non-active substances in the formulation were not relevant for classification. Thus, no classification for acute toxicity is required for the product AG-E1-500 SC1.

3.5.2 Operator exposure

Exposure was assessed according to the EFSA published exposure model: Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products; EFSA Journal 2014;12(10):3874, calculator version: 30/03/2015.

The estimated operator exposure for an operator wearing normal work clothing but no gloves were below the established AOEL. Thus, it is concluded that the use of AG-E1-500 SC1 is at an acceptable risk for the operator.

3.5.3 Worker exposure

Exposure was assessed according to the EFSA published exposure model: Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products; EFSA Journal 2014;12(10):3874, calculator version: 30/03/2015.

The estimated exposure of a worker dressed in work wear (arms, body and legs covered, no gloves) was below the established AOEL. Thus, it is concluded that the use of AG-E1-500 SC1 is at an acceptable risk for the worker.

As a standard rule, it should be mentioned on the label that treated crops should not be re-entered before spray deposits on leaf surfaces have completely dried.

3.5.4 Bystander and resident exposure

According to the EFSA-OPEX guidance, a bystander risk assessment is required for plant protection products that have significant acute toxicity or the potential to exert toxic effects after a single exposure, based on the 95th percentile data values.

For ethofumesate no AAOEL and no ARfD have been established. Therefore, a risk assessment for bystanders was not performed. The chronic risk for bystanders, however, is covered by the chronic risk assessment for residents.

Exposure was assessed according to the EFSA published exposure model: Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products; EFSA Journal 2014;12(10):3874, calculator version: 30/03/2015.

The calculated total systemic exposure for residents was below the established AOEL for the child and adult scenario. Thus, it is concluded that the use of AG-E1-500 SC1 is at an acceptable risk for the residents.

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

This dossier is presented to support the product AG-E1-500 SC1 for the use in in sugar beet and fodder beet. The supported uses are all within the critical GAP evaluation on EU-level (refer to EFSA Journal 2012;10(11):2959; EFSA Journal 2016;14(1):4374).

The summary for the ethofumesate is given hereafter:

Use-No.	Crop	Plant metabolism covered?	Sufficient residue trials?	PHI sufficiently supported?	Sample storage covered by stability data?	MRL compliance	Chronic risk for consumers identified?	Acute risk for consumers identified?
3	Sugar beet	Yes	Yes (36 trials)	N/A (determined by growth stage at last application)	Yes	Yes	No	N/A (no ARfD set)
3	Fodder beet	Yes	Yes (36 trials extrapolated from sugar beet)	N/A (determined by growth stage at last application)	Yes	N/A (no MRL set)		N/A (no ARfD set)

3.6.1 Residues

Sugar beet is the major crop in northern Europe (EU Technical Guidelines Document SANTE/2019/12752). A minimum of eight trials are required. Residue data on sugar beet (0900010) can be extrapolated to fodder beet.

The intended GAP for ethofumesate for sugar and fodder beets in northern Europe is 2x0.50 kg a.i./ha or 3x0.30 kg a.i./ha with interval between applications of 5 days at BBCH 10-18 with PHI as not applicable, the PHI is covered by the time remaining between application and harvest with remark: max. rate of active must not exceed 1.0 kg/ha every 3 years.

No new studies on the magnitude of residue have been submitted by the Applicant in the framework of this application.

Sufficient trials are available to support the proposed use in sugar beet (EFSA, 2016).

In EFSA Journal 2016;14(1):4374 it is stated that “*In residue trials in the primary crop and in rotational crops residues of ethofumesate and by turns of free NC 9607, free and conjugated NC 20645 and NC 8493 were determined. When the occurrence of residues in the primary or rotational crop (food and feed items) at harvesting stage is considered, the residue definition for risk assessment is appropriately defined as the sum of ethofumesate, NC 9607, NC20645 and its conjugate, expressed as ethofumesate. The same residue definition was proposed for monitoring purposes and MRL setting.*”

Sufficient residue trials were conducted in NEU. According to the RMS-Austria conclusion (DRAR for Ethofumesate, 2015): “*Between 1972 and 2012, numerous residue trials were conducted to support the presented “representative use” (pre-emergence and post-emergence use) of ethofumesate in Beta vulgaris, the trials were conducted in different growing areas in the northern and southern European residue region. The vegetation period in sugar and fodder beet ranges between 5 and 9 months and the studies indicate that the variation within the vegetation period is much higher than the time period between pre- and post-emergent treatment. The final residues were at or slightly above the LOQ levels.*”

Residues of ethofumesate (Sum of ethofumesate, ethofumesate-lactone (NC 9607), ethofumesate carboxylic acid (NC 20645), and its conjugate expressed as ethofumesate) in samples of sugar beet roots (applications post-emergence up to BBCH 18) were 8x<0.02, 15x<0.06, 0.06, 0.09, 11x<0.1 mg/kg.

The residues arising from the proposed uses will not exceed the MRL established for ethofumesate (as Sum of ethofumesate, 2-keto-ethofumesate, open-ring-2-keto-ethofumesate and its conjugate, expressed as ethofumesate) for sugar beet roots (0.2 mg/kg) in Reg. (EC) No 2017/1016.

In GAP for Poland Applicant proposes that “At each time can be applied in tankmix: AG-E1-50 SC 0.5 L/ha + Goltix Titan 565 SC 1.5 L/ha + Atpolan BIO 80 EC 1.0 L/ha.”

The residue studies were conducted without the addition of adjuvant. Applicant submitted the following statement (January 2022):

“A field trials for the active substance ethofumesate were not conducted with the addition of an oil adjuvant. However, due to the early application (BBCH < 18) of product Ethosat 500 SC in tank mix with adjuvant, it is not expected to have any negative impact on residues or exceedance of currently applicable

MRLs. In addition, the adjuvant Atpolan BIO 80 EC has been widely used in Poland with a wide range of herbicides for many years and no impact on residue levels of these plant protection products has been observed.

However, taking into account that a guideline introducing the obligation to submit for new registrations or extensions of existing authorizations residue studies of the mixture with the adjuvant was published on November 4, 2021, and the application for Ethosat 500 SC was submitted to Authorities on April 16, 2021, we believe that the above guideline should not apply in the evaluation of Ethosat 500 SC, as the Applicant was not able to comply with the new requirements.”

zRMS-PL agrees with Applicant position. Due to early application (BBCH < 18) of product Ethosat 500 SC in tank mix with oil adjuvant, no significant increase in residue level in/on harvested sugar beet roots is expected. No additional data are required.

The effects of processing on the nature of ethofumesate residues have been investigated. Processing studies on the magnitude of residues have been submitted but are not required to support the proposed uses of ethofumesate in this submission, as the trigger for requiring such studies is not met by the envisaged uses for AG-E1-500 SC1.

Residues in succeeding crops have been sufficiently investigated taking into account the specific circumstances of the cGAP use and following mitigation measure has been proposed: **Do not grow root vegetables (except sugar or fodder beet) in case of crop failure.**

Considering dietary burden and based on the intended uses, no significant modification of the intake was calculated for livestock. Further investigation of residues as well as the modification of MRLs in commodities of animal origin is therefore not necessary.

3.6.2 Consumer exposure

The consumer risk assessments were performed with revision 3.1 of the EFSA Pesticide Residues Intake Model (PRIMO). The calculation of the TMDI using EFSA model (version 3.1) and MRLs according to Reg. (EU) 2017/1016 led to a utilisation of the ADI of 0.5% with the NL toddler being the population group with the highest value. For this diet, the highest contributor is Milk: Cattle with 0.2% of the ADI. The estimated chronic consumer intake levels is therefore well below the EU agreed ADI of 1.0 mg/kg bw per day for ethofumesate. It can therefore be concluded that acceptable margins of safety exist for consumers.

The intended uses will not result in a consumer chronic exposure exceeding the ADI. As no ARfD has been set for ethofumesate, an acute risk assessment was not conducted.

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

No new experimental studies were submitted to the List of Endpoints of ethofumesate. The appropriate endpoints regarding Polish requirements were used to calculate PECs for the active substance and its relevant metabolites in soil, groundwater and surface water/sediment for the single and multiple applications on sugar beet (20% interception). The respective worst-case application rate for the active substance is 300 g a.s./ha.

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

Predicted environmental concentrations in soil (PEC_{SOIL}) values were calculated for ethofumesate and its relevant soil metabolite, NC8493, taking into account the molar weight factor and its maximum observed occurrence in soil. The worst-case GAP used for PEC_{SOIL} calculations was 1x1000 g a.s./ha, covering all uses intended in the Central Zone.

The formulation PEC_{SOIL} of AG-E1-500 SC1 was calculated with an application rate of 1 × 1120 g/ha, which is the worst-case application rate for the Central Zone. A density of 1.12 g/mL was assumed.

All calculations were carried out using a dry soil bulk density of 1.5 g/cm³ and both 5 cm and 20cm soil depths, in accordance with SANCO/10058/2005 v.2.0, 2006.

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

Predicted concentration in groundwater for ethofumesate and its relevant metabolites were calculated with consideration of the EU agreed input parameters using FOCUS PELMO 5.5.3, FOCUS PEARL 4.4.4 and MACRO with the respective FOCUS groundwater scenarios for sugar beet. As a worst case cumulative application rate of 1000 g a.s./ha was assumed, covering all uses intended in the Central Zone. Simulations were performed with assumption of triennial application, in line with indications of EFSA Journal 2016;14(1):4374.

The PEC_{GW} for ethofumesate and metabolites (NC8493 and NC20645) were ≤ 0.1 µg/L for all scenarios relevant to Poland for applications carried out every third year. **Please note that the maximum cumulative rate of ethofumesate on the treated field from all used products with this substance cannot exceed 1000 g a.s. every three years.**

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

Predicted environmental concentrations in surface water were calculated with consideration of the EU agreed input parameters using FOCUS Steps 1-2 v3.2, FOCUS SWASH v5.3, FOCUS PRZM v4.6.2, FOCUS MACRO v5.5.4, FOCUS TOXWA v5.5.3 and SPIN v3.3 for scenarios defined for sugar beet. Scenarios relevant for Poland (D3, D4 and R1) were considered in these calculations. Since for the use pattern intended in Poland (3x300 g a.s./ha with 5 days interval) acceptable risk to aquatic organisms could be concluded with Step 3 PECSW/SED values, no further Step 4 simulations were required for purposes of authorisation of AG-E1-500 SC1 in Poland.

3.8 Ecotoxicology (Part B, Section 9)

3.8.1 Effects on terrestrial vertebrates

The risk assessment for birds and mammals was carried out according to the Guidance Document on Risk Assessment for Birds and Mammals on request from EFSA (EFSA Journal 2009; 7(12): 1438).

Birds

Effects on birds of AG-E1-500 SC1 were not evaluated as part of the EU assessment of ethofumesate. However, the provision of further data on the formulation is not considered to be required, because an increased toxicity of the product is not expected compared to the active substance.

Based on the performed evaluation acceptable acute and long-term dietary risk to birds from the use of AG-E1-500 SC1 on sugar beet could be concluded for application of AG-E1-500 SC1 on sugar beet according to the use pattern intended in Poland (3x300 g a.s./ha with 5 days interval) already at the screening step.

The risk to birds from exposure to ethofumesate and metabolite NC 5493 in drinking water from puddles was assessed as low.

Evaluation of the risk of secondary poisoning was triggered neither for ethofumesate nor its metabolites due to log Pow values being <3 for all compounds.

Terrestrial vertebrates (other than birds)

Effects on mammals of AG-E1-500 SC1 were not evaluated as part of the EU assessment of ethofumesate. However, the provision of further data on the formulation is not considered to be required, because an increased toxicity of the product is not expected compared to the active substance.

Based on the performed evaluation acceptable acute and long-term dietary risk to mammals could be concluded for application of AG-E1-500 SC1 on sugar beet according to the use pattern intended in Poland (3x300 g a.s./ha with 5 days interval) already at the screening step or Tier 1.

The risk to mammals from exposure to ethofumesate and metabolite NC 5493 in drinking water from puddles was assessed as low.

Evaluation of the risk of secondary poisoning was triggered neither for ethofumesate nor its metabolites due to log Pow values being <3 for all compounds.

3.8.2 Effects on aquatic species

The risk assessment for aquatic organisms was carried out according to the Guidance on tiered risk assessment for plant protection products for aquatic organisms in edge-of-field surface waters (EFSA Journal 2013;11(7):3290).

Studies were carried out on fish, daphnids, algae and aquatic plants using the formulated products Ethosat 500 SC or AG-E1-500 SC1. Ethosat 500 SC is considered to be comparable to AG-E1-500 SC1. A comparison of the compositions of the two formulations is provided in Part C of this dossier.

Based on the performed evaluation, acceptable acute and chronic risks to aquatic organisms could be concluded for application of AG-E1-500 SC1 on sugar beet according to the use pattern intended in Poland (3x300 g a.s./ha with 5 days interval) with no need for risk mitigation measures.

Since no studies on effects of AG-E1-500 SC1 used in a mixture with adjuvant Atpolan BIO 80 EC on rooted aquatic macrophytes (most sensitive aquatic species) were available, potentially increased toxicity of the herbicide due to presence of adjuvant could not be addressed in the risk assessment and recommendation on use of the product with adjuvant is deleted in the GAP table and the product label until respective data are made available.

3.8.3 Effects on bees

The evaluation of the risk for bees was performed in accordance with the recommendations of the “Guidance Document on Terrestrial Ecotoxicology”, as provided by the Commission Services (SANCO/10329/2002 rev.2 (final), October 17, 2002).

Acute oral, acute contact, chronic and larval toxicity tests were carried out on honey bees with the formulated product AG-E1-500 SC1.

Based on the performed evaluation, acceptable risk to bees from the use of AG-E1-500 SC1 on sugar beet could be concluded for the use pattern intended in Poland (3x300 g a.s./ha with 5 days interval).

3.8.4 Effects on other arthropod species other than bees

The evaluation of the risk for non-target arthropods was principally performed in accordance with the recommendations of the “Guidance Document on Terrestrial Ecotoxicology”, as provided by the Commission Services (SANCO/10329/2002 rev.2 (final), October 17, 2002), and in consideration of the recommendations of the guidance document ESCORT 2.

A glass plate (2D) toxicity tests was carried on *Typhlodromus pyri* and an extended laboratory tests (3D) was carried out on *Aphidius rhopalosiphi*. All tests were undertaken with the formulated product AG-E1-500 SC1.

Based on the performed evaluation, acceptable risk to non-target arthropods could be concluded for application of AG-E1-500 SC1 on sugar beet according to the use pattern intended in Poland (3x300 g a.s./ha with 5 days interval) with no need for risk mitigation measures.

3.8.5 Effects on soil organisms

The risk assessment was conducted according to the Guidance Document on Terrestrial Ecotoxicology (2002).

Meso- and macrofauna

Effects on earthworms and other non-target soil organisms (meso- and macrofauna) of AG-E1-500 SC1 were not evaluated as part of the EU assessment of the active substances ethofumesate. New tests carried out on *Eisenia andrei*, *Folsomia candida* and *Hypoaspis aculeifer* were undertaken with the formulated product AG-E1-500 SC1.

Based on the performed evaluation, acceptable risk to soil macro- and meso-fauna could be concluded for application of AG-E1-500 SC1 on sugar beet according to the use pattern intended in Poland (3x300 g a.s./ha with 5 days interval).

Microbial activity

Effects on soil microbial activity of AG-E1-500 SC1 were not evaluated as part of the EU assessment of the active substances ethofumesate. A new test was carried out with the formulated product AG-E1-500 SC1.

Based on the performed evaluation, no unacceptable effects on soil microbial activity are expected for application of AG-E1-500 SC1 on sugar beet according to the use pattern intended in Poland (3x300 g a.s./ha with 5 days interval).

3.8.6 Effects on non-target terrestrial plants

The risk assessment was based on the “Guidance Document on Terrestrial Ecotoxicology” (SANCO/10329/2002 rev.2 final, 2002). It was restricted to off-field situations, as non-target plants are non-crop plants located outside the treated area.

Effects on non-target terrestrial plants of AG-E1-500 SC1 were not evaluated as part of the EU assessment of the active substance ethofumesate. New tests were undertaken with the formulated product AG-E1-500 SC1.

Based on the performed evaluation, acceptable risk to non-target terrestrial plants could be concluded for application of AG-E1-500 SC1 on sugar beet according to the use pattern intended in Poland (3x300 g a.s./ha with 5 days interval) with no need for risk mitigation measures.

Since no studies on effects of AG-E1-500 SC1 used in a mixture with adjuvant Atpolan BIO 80 EC on non-target terrestrial plants were performed, potentially increased toxicity of the herbicide due to the presence of adjuvant could not be addressed in the risk assessment and recommendation on use of the product with adjuvant is deleted in the GAP table and the product label until respective data are made available.

3.8.7 Effects on other terrestrial organisms (Flora and Fauna)

No further relevant data available and considered necessary.

3.9 Relevance of metabolites (Part B, Section 10)

The metabolites NC8493 and NC20645 are predicted to occur in groundwater at concentrations **below** 0.1 µg/L. Assessment of the relevance of these metabolites according to the stepwise procedure of the EC guidance document SANCO/221/2000 –rev.10 is therefore **not** required.

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

AG-E1-500 SC1 contains ethofumesate which is not identified as Candidates for Substitution (CfS); thus a Comparative Assessment is not required.

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

~~**Physical and chemical properties:** The 2 years storage stability is still ongoing upon submission of the dossier, which is a formal data GAP. Sufficient data however is available from the accelerated storage testing. Additionally, interim results of the ongoing study after one year storage of AG-E1-500 SC1 formulation is included in this submission.~~

Metabolism and Residues: The storage stability study of residues of ethofumesate and its metabolite ethofumesate-lactone (NC 9607) in lettuce and cereal grain stored frozen for up to two years is still ongoing. Interim results of the ongoing study after six month of freezer storage is included in this submission.

According to available data, specific mitigation measures should apply: Do not grow root vegetables (except sugar or fodder beet) in case of crop failure.

Ecotoxicology: Respective data on toxicity of the mixture of AG-E1-500 SC with adjuvant Atpolan Bio 80 SC to aquatic macrophytes and non-target terrestrial plants must be provided in order to address potentially increased toxicity of the herbicide to these two groups of most sensitive species due to the presence of the adjuvant. Until that time formulation AG-E1-500 SC1 cannot be used with adjuvant.

Appendix 1 Copy of the product authorization

None.

Appendix 2 Copy of the product label

Komentarz oceniających:

Etykieta została sprawdzona w zakresie fizykochemii, metod analitycznych, pozostałości, toksykologii i istotności toksykologicznej metabolitów, losu i zachowania, ekotoksykologii oraz skuteczności. Zmiany wynikające z oceny wprowadzono do poniższej etykiety w widoczny sposób, poprzez zaznaczenie ich szarym kolorem.

Zakres zmian jest następujący:

Sekcja właściwości fizykochemiczne:

1. Środek nie wykazuje właściwości wybuchowych i utleniających, znakowanie środka wynikające z wyżej wymienionych właściwości fizykochemicznych zgodne z zapisami Rozporządzenia Parlamentu Europejskiego i Rady (WE) NR 1272/2008 z dnia 16 grudnia 2008r. nie jest wymagane.
2. Okres ważności: 2 lata na podstawie zaakceptowanych wyników 2-letnich badań stabilności środka przechowywanego w opakowaniach wykonanych z HDPE [Tsesin, N. (2022), Study no.: 000104497]. 2-letnie badania stabilności są w toku. Możliwe jest wydanie zgody warunkowo, na podstawie zaakceptowanych wyników 14 dniowego badania przyspieszonego starzenia w temperaturze 54°C środka przechowywanego w opakowaniach wykonanych z HDPE oraz wyników badania stabilności w temperaturze otoczenia po roku przechowywania [Tsesin, N. (2020a), Study no.: 000104496.057FL; Tsesin, N. (2020b) Study no.: 000104497]. W związku z powyższym, wszystkie opakowania wymienione, w punktach 2.1 dokumentu A i 4.1 Sekcji 1 można uznać za odpowiednie do celów transportu i magazynowania środka ochrony roślin.
3. Brak uwag do punktów dotyczących warunków przechowywania i bezpiecznego usuwania środka ochrony roślin i opakowania oraz sporządzania cieczy użytkowej.
4. Brak uwag do zapisu nazwy grupy chemicznej, do której przyporządkowano substancje czynną. Dodano zawartość substancji czynnej wyrażoną w procentach (obliczono w oparciu o gęstość środka ochrony roślin 1.12 g/mL zgodnie z danymi zawartymi w punkcie 1.2.1 dokumentu C).
5. Zgodnie z informacjami zawartymi w punktach IIIA 2.9.1 i IIIA 2.9.2 Sekcji 1,2,4 Raportu Rejestracyjnego potwierdzono zgodność łącznego stosowania środka ochrony roślin AG-E1-500 SC1/Ethosat 500 SC ze środkami: Agil 100 EC (Agil S/AG-P6-100 EC), Atpolan Bio (adjuwant), Batavia, Betanal SE, Betanal Tandem, Betasana 160, Centium 360 CS, Dual Gold, Foliarel QS, Frontier Optima, Fusilade Max, Goltix, Goltix 700 SC (AG-M4-700 SC), Goltix Gold new (ADM.04700.H.1.D), Goltix Queen (Goltix Titan, AG-QMM1-565 SC), Goltix Super (Torero/FSG 01095 H), Kalif 360 CS (Centium 360 CS), Kontakt 320 SC (AG-P7-320 SC), Lamdex (Karate), Leopard (AG-Q2-50 EC), Lontrel 72 SG, Lontrel 100, Manganese sulphate, Mavrik (MCW-5023), Mavrik Jet (MCW-740), MCW-2222 (Kestrel 200SL), Powertwin (Belvedere Duo, AG-EP1-400 SC), Pirimor, Renol oil, Safari (Caribou 50 WG/DPX-66037 50 WG), Safari Duo Active (DPX-R3D76 78.5 WG), Tanaris, Teppeki (IKI-220 500 WG), Nortron SC (Tramat 500), Venzar (Lenacil 80%).

Sekcja skuteczność:

1. Poprawiono klasyfikację etofumesatu, zgodnie z HRAC 2021, do następującego brzmienia: *Zgodnie z klasyfikacją HRAC (2021) substancja czynna etofumesat zaliczana jest do grupy 15 (dawnej grupy N)*. Obecna grupa 15 powstała z połączenia grup wcześniej określanych jako K3 i N, a etofumesat umieszczano wówczas w grupie N, a nie K3.
2. Zmodyfikowano tabele wrażliwości chwastów zgodnie z wynikami przedłożonych badań. Gatunek tobołki polne nie został uwzględniony z uwagi na brak badań z Polski (0 badań, wymagane 2 badania). Przedłożono tylko 2 badania z Niemiec, w których występował ten chwast. Oba gatunki rdestów – plamisty i powojowaty – wykazują drastycznie różną wrażliwość w Polsce i w Niemczech, dlatego uśrednianie skuteczności między danymi z tych krajów nie ma uzasadnienia. Wobec tego dane wspierające ze strefy Maritime nie zostały w tym zakresie użyte, a gatunki te sklasyfikowano według wrażliwości obserwowanej w badaniach wykonanych w Polsce. Rdestu plamistego nie uwzględniono również w klasyfikacji wrażliwości dla zabiegu mieszaniną zbiornikową, gdyż występował na poletkach opryskanych tą mieszaniną tylko w jednym badaniu.
3. Z uwagi na fakt, że wszystkie badania selektywności wykonano na odmianach buraka cukrowego, a krajowa tabela ekstrapolacji wymaga minimum 2 badań selektywności na gatunku docelowym, zastosowanie w buraku pastewnym można zarejestrować tylko w trybie art. 51.

Sekcja metody analityczne:

1. Brak uwag.

Sekcja toksykologia i istotność toksykologiczna metabolitów:

1. W części dotyczącej środków ostrożności dla osób wykonujących zabieg agrochemiczny odpowiedni zapis został zmieniony zgodnie z wymaganiami harmonizacyjnymi wer. 26.10.2021 r. (Min Rol i RW) z

uwzględnieniem klasyfikacji zagrożeń oraz szacowania NDE.

2. W części dotyczącej klasyfikacji zagrożeń dodano zwrot EUH208 „Zawiera (1,2-Benzisothiazol-3(2H)-on). Może powodować wystąpienie reakcji alergicznej”

Sekcja pozostałości:

1. Zaakceptowano zapis dotyczący stosowania środka zawierającego substancję czynną etofumesat na tej samej powierzchni uprawnej nie częściej niż co trzy lata, w dawkach nie przekraczających łącznie 1,0 kg substancji czynnej na 1 ha.
2. Zaakceptowano zapis dotyczący okresu od ostatniego zastosowania środka do dnia zbioru rośliny uprawnej (okres karencji) jako nie dotyczy.
3. W przypadku wcześniejszej likwidacji plantacji nie należy sadzić lub siał warzyw korzeniowych za wyjątkiem buraka cukrowego. Zaakceptowano zaproponowany w etykiecie zapis dotyczący następstwa roślin:
*„W przypadku wcześniejszego zaorania plantacji buraka z powodu uszkodzenia roślin np. przez choroby lub szkodniki można uprawiać jedynie burak cukrowy, pod warunkiem, że w tym samym sezonie nie zastosuje się żadnego środka z etofumesatem i nie przekroczy się dawki 1 kg s.cz./ha w ciągu 3 lat.
W przypadku ponownej uprawy buraków nie stosować środka ponownie.”*

Sekcja los i zachowanie w środowisku:

1. Ze względu na ryzyko dla wód podziemnych dodano zwrot wskazujący możliwość stosowania środka AG-E1-500 SC1 (oraz wszystkich środków zawierających etofumesat) nie częściej niż co trzy lata, tak by maksymalna skumulowana dawka etofumesatu ze wszystkich stosowanych środków z tą substancją nie przekroczyła 1000 g raz na 3 lata.

Sekcja ekotoksykologia:

1. Dodano zwrot P501
2. Usunięto możliwość stosowania środka w mieszaninie z adjuwantem Atpolan BIO 80 EC (w celu przywrócenia tej możliwości konieczne jest przedstawienie badań toksyczności dla roślin wodnych i lądowych, ze względu na możliwą istotnie wyższą toksyczność mieszaniny środka z adjuwantem dla tych grup organizmów).
3. Poprawiono zwroty dotyczące zarządzania ryzykiem (wyniki oceny ryzyka wskazują, że nie ma konieczności wprowadzania ponadstandardowych stref ochronnych lub redukcji znosu środka poza opryskiwane pole).

Posiadacz zezwolenia:

ADAMA Polska Sp. z o.o., ul. Sienna 39, 00-121 Warszawa, tel.: +48 22 395 66 60, infolinia: +48 22 395 66 66, e-mail: biuro@adama.com, www.adama.com

Podmiot odpowiedzialny za końcowe pakowanie i etykietowanie:

.....

ETHOSAT 500 SC

Środek przeznaczony do stosowania przez użytkowników profesjonalnych

Zawartość substancji czynnych:

- etofumesat – związek z grupy pochodnych beznofuranu - 500 g/l (44,6%)

W celu ochrony wód gruntowych środki zawierające substancję czynną etofumesat należy stosować na tej samej powierzchni uprawnej nie częściej niż co trzy lata, w dawkach nie przekraczających łącznie 1,0 kg substancji czynnej na 1 ha.

Zezwolenie MRiRW nr



UWAGA

H410 - Działa bardzo toksycznie na organizmy wodne, powodując długotrwałe skutki

EUH401 - W celu uniknięcia zagrożeń dla zdrowia ludzi i środowiska, należy postępować zgodnie z instrukcją użycia.

EUH208 - Zawiera (1,2-Benzisothiazol-3(2H)-on). Może powodować wystąpienie reakcji alergicznej.

P391 - Zebrać wyciek.

P501 - Zawartość/pojemnik usuwać do recyklingu bądź składowania na składowiskach odpowiednich dla pestycydów lub spalania w odpowiednich instalacjach

OPIS DZIAŁANIA

HERBICYD selektywny o działaniu układowym, stosowany nalistnie, w formie stężonej zawiesiny do rozcieńczania wodą (SC).

Zgodnie z klasyfikacją HRAC substancja czynna etofumesat zaliczana jest do grupy 15 (dawnej grupy K3 N).

DZIAŁANIE NA CHWASTY

Środek pobierany jest głównie przez korzenie chwastów dwuliściennych. Środek hamuje wzrost siewek chwastów, skraca ich przyrosty i ogranicza warstwę ochronną kutikuli chwastów, przez co są skuteczniej zwalczane. Preparat zaleca się stosować 3 krotnie każdorazowo w fazie siewek chwastów w mieszaninie z innymi herbicydami.

STOSOWANIE ŚRODKA

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

Burak cukrowy

1) Ethosat 500 SC 0,6 l/ha

Maksymalna/zalecana dawka dla jednorazowego zastosowania: 0,6 l/ha.

Maksymalna dawka środka w sezonie: 1,8 l/ha

Chwasty wrażliwe	gwiazdnica pospolita, przytulia czepna, tołelki polne , rdest plamisty
Chwasty średnio wrażliwe	rdest powojowaty
Chwasty średnio odporne	komosa biała
Chwasty odporne	rdest powojowaty, rdest plamisty, komosa biała, samosiewy rzepaku, fiołek polny, jasnota purpurowa, przetacznik perski

Termin stosowania: środek stosować w fazie : BBCH 10-18 (od fazy liścieni do fazy ósmego liścia właściwego buraka cukrowego)

Odstęp między zabiegami: 5 dni.

Zalecana ilość wody: 100-400 l/ha.

Zalecane opryskiwanie: średniokropliste

Maksymalna liczba zabiegów w sezonie wegetacyjnym: 3, nie częściej niż co trzy lata.

2) Mieszanina Ethosat 500 SC 0,5 l/ha + Goltix Titan 565 SC 1.5 L/ha + ~~Atpolan BIO 80 EC 1.0 L/ha~~

Chwasty wrażliwe	komosa biała, samosiewy rzepaku, gwiazdnica pospolita, fiołek polny, przytulia czepna, jasnota purpurowa, rdest powojowaty, przetacznik perski
Chwasty średnio wrażliwe	rdest plamisty
Chwasty średnio odporne	nie sklasyfikowano chwastów średnio odpornych
Chwasty odporne	nie sklasyfikowano chwastów odpornych

Termin stosowania: środek stosować w fazie : BBCH 10-18 (od fazy liścieni do fazy ósmego liścia właściwego buraka cukrowego)

Odstęp między zabiegami: 5 dni.

Zalecana ilość wody: 100-400 l/ha.

Zalecane opryskiwanie: średniokropliste

Maksymalna liczba zabiegów w sezonie wegetacyjnym: 3, nie częściej niż co trzy lata.

ŚRODKI OSTROŻNOŚCI, OKRESY KARENCJI I SZCZEGÓLNE WARUNKI STOSOWANIA

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

1. Strategia zarządzania odpornością

W celu zminimalizowania ryzyka wystąpienia i rozwoju odporności chwastów na herbicydy należy, zgodnie z Dobrą Praktyką Rolniczą:

- postępować ściśle zgodnie ze wskazówkami zawartymi w etykiecie środka ochrony roślin – stosować środek w zalecanej dawce, w zalecany terminie zapewniającym optymalne zwalczanie chwastów,
- dostosować dobór środka chwastobójczego oraz decyzji o wykonaniu zabiegu do panującego (ewentualnie potencjalnego) zachwaszczenia, z uwzględnieniem gatunków dominujących i progów szkodliwości,
- stosować rotację herbicydów (substancji czynnych) o różnym mechanizmie działania,
- stosować mieszankę herbicydów (substancji czynnych) o różnym mechanizmie działania,
- stosować w rotacji i/lub mieszaninie herbicydy działające na kilka procesów życiowych chwastów (o różnym mechanizmie działania),
- dostosować zabiegi uprawowe do warunków panujących na polu, zwłaszcza do rodzaju i nasilenia chwastów,
- używać różnych metod kontroli zachwaszczenia, w tym **takiego zmianowania upraw które umożliwia rotację mechanizmów działania herbicydów stosowanych w kolejnych sezonach wegetacyjnych itp.**,
- **nie upraszczać zespołów uprawek mechanicznych gleby; następujące przy tym mechaniczne zwalczanie chwastów jest niezbędnym uzupełnieniem zwalczania chemicznego,**
- używać kwalifikowanego materiału siewnego,
- czyścić maszyny rolnicze, aby zapobiec przenoszeniu materiału rozmnożeniowego chwastów na inne stanowiska,
- informować posiadacza zezwolenia o nie satysfakcjonującym zwalczaniu chwastów,
- w celu uzyskania szczegółowych informacji należy się skontaktować z doradcą, posiadaczem zezwolenia lub przedstawicielem posiadacza zezwolenia.

2. Środek może powodować przejściowe deformacje liści, co nie wpływa ujemnie na plon.

3. Stosując środek z innymi środkami w dawkach dzielonych ściśle przestrzegać podanych dawek środków, zaleceń i przeciwwskazań odnoszących się do poszczególnych herbicydów użytych w mieszance.

4. Stosowanie środka *Ethosat 500 SC* z innym środkiem ochrony roślin jest możliwe tylko w przypadku, jeżeli zalecenia z etykiety tego środka pozwalają na takie stosowanie.
5. Środka nie stosować:
 - na rośliny mokre lub chore, uszkodzone przez szkodniki czy wykazujące niedobór składników pokarmowych,
 - w warunkach suszy,
 - w temperaturze powietrza (mierzonej przy gruncie) poniżej 12°C i powyżej 20°C, **oraz** w okresie spodziewanych przymrozków
 - po długotrwałej suszy
6. Podczas stosowania środka nie dopuścić do:
 - znoszenia cieczy użytkowej na sąsiednie rośliny uprawne,
 - nakładania się cieczy użytkowej na stykach pasów zabiegowych i uwrociach.

NASTĘPSTWO ROŚLIN

Środek rozkłada się w glebie w ciągu okresu wegetacji do poziomu niestwarzającego zagrożenie dla roślin uprawianych następnie. Na polu na którym zastosowano środek (po wykonaniu średniej orki na głębokość, co najmniej 15 cm) po zbiorze buraka można uprawiać wszystkie rośliny.

W przypadku wcześniejszego zaorania plantacji buraka z powodu uszkodzenia roślin np. przez choroby lub szkodniki można uprawiać jedynie burak cukrowy, pod warunkiem, że w tym samym sezonie nie zastosuje się żadnego środka z etofumesatem i nie przekroczy się dawki 1 kg s.cz./ha w ciągu 3 lat.

W przypadku ponownej uprawy buraków nie stosować środka ponownie.

Stosując środek w mieszaninie z innymi herbicydami należy przestrzegać zaleceń następstwa roślin dla środków wchodzących w skład mieszanin.

SPORZĄDZANIE CIECZY UŻYTKOWEJ

Ciecz użytkową przygotować bezpośrednio przed zastosowaniem.

Przed przystąpieniem do sporządzania cieczy użytkowej dokładnie ustalić potrzebną jej objętość wraz z ilością środka. Napełniając opryskiwacz postępować zgodnie z instrukcją producenta opryskiwacza. W przypadku braku instrukcji odmierzoną ilość środka dodać 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 i dokładnie wymieszać. Po wlaniu środka do zbiornika opryskiwacza niewyposażonego w mieszadło hydrauliczne, ciecz mechanicznie wymieszać.

W przypadku przerw w opryskiwaniu, przed ponownym przystąpieniem do pracy, ciecz użytkową w zbiorniku opryskiwacza dokładnie wymieszać.

POSTĘPOWANIE Z RESZTKAMI CIECZY UŻYTKOWEJ I MYCIE APARATURY

Resztki cieczy użytkowej oraz wodę użytą do mycia aparatury należy:

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

Po pracy aparaturę dokładnie wymyć.

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 i odzież roboczą (kombinezon), w trakcie przygotowywania cieczy użytkowej oraz w trakcie wykonywania zabiegu.

~~Stosować rękawice ochronne, ochronę oczu i twarzy oraz odzież ochronną w trakcie przygotowywania cieczy użytkowej.~~

~~Stosować rękawice ochronne, ochronę oczu i twarzy oraz odzież ochronną (kombinezon), zabezpieczającą przed oddziaływaniem środków ochrony roślin oraz odpowiednie obuwie (np. kałosze) w trakcie przygotowywania cieczy użytkowej oraz w trakcie wykonywania zabiegu.~~

Unikać zanieczyszczenia oczu.

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.

Okres od ostatniego zastosowania środka na rośliny przeznaczone na paszę do dnia, w którym zwierzęta mogą być karmione tymi roślinami (okres karencji dla pasz): nie dotyczy

Okres od ostatniego zastosowania środka na rośliny do dnia, w którym można siać lub sadzić rośliny uprawiane następnie: nie dotyczy.

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 uwolnienia do środowiska.

W celu ochrony wód podziemnych nie stosować tego ani żadnego innego produktu zawierającego etofumesat częściej niż co trzy lata. Maksymalna kumulatywna dawka etofumesatu na danym polu wynosi 1000 g/ha co trzy lata.

W celu ochrony roślin niebędących celem działania środka konieczne jest wyznaczenie strefy ochronnej o szerokości **1 m** ~~5 m~~ od terenów nieużytkowanych rolniczo ~~lub zastosowania lub zastosowania technik redukujących znoszenie cieczy użytkowej podczas zabiegu o 75%.~~

W celu ochrony organizmów wodnych konieczne jest wyznaczenie strefy ochronnej o szerokości **1 m** ~~20 m~~ od zbiorników i cieków wodnych ~~w tym 10 m zadarnionej strefy ochronnej.~~

WARUNKI PRZECHOWYWANIA I BEZPIECZNEGO USUWANIA ŚRODKA OCHRONY ROŚLIN I OPAKOWANIA

Chronić przed dziećmi.

Środek ochrony roślin przechowywać:

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

Zabrania się wykorzystywania opróżnionych opakowań po środkach ochrony roślin do innych celów.

Niewykorzystany środek przekazać do podmiotu uprawnionego do odbierania odpadów niebezpiecznych.

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

PIERWSZA POMOC

Antidotum: brak, stosować leczenie objawowe.

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

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

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

W przypadku kontaktu ze skórą (lub z włosami) zdjąć całą zanieczyszczoną odzież. Spłukać skórę strumieniem wody (lub prysznicem).

W przypadku złego samopoczucia skontaktować się z ośrodkiem zatruc lub lekarzem.

Okres ważności - 2 lata

Data produkcji -

Zawartość netto -

Nr partii -

Appendix 3 Letter of Access

Not applicable.

Appendix 4 Lists of data considered for national authorization

List of data submitted by the applicant and relied on

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 2.1/01	Tsesin, N.	2020a	Determination of Storage Stability and Physical-Chemical Properties of Ethosat 500 SC (AG-E1-500 SC1) Stored at 54°C for 14 Days and at 0°C for 7 Days Report No. 000104496.057 ADAMA Makhteshim Ltd., Israel GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.2.1/01	Köttig, M.	2020	AG-E1-500 SC1: Statement on explosive and oxidising properties Report no.: ETF/PC/01 ADAMA Ref No.: 000105946 ADAMA Agan Ltd. No GLP Unpublished	N	N	-	ADM
KCP 2.2.2/01	Köttig, M.	2020	Please refer to KCP 2.2.1/01	N	N	-	ADM
KCP 2.3.1	Tsesin, N.	2020a	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.3.3/01	Warneke, U.	1999	Determination of the auto-ignition temperature of the test substance Ethosat 500 Report No. U99PCH07 URANIA Agrochem GmbH, Versuchsstation Christinenthal, Germany GLP Unpublished	N	N	-	ADM
KCP 2.4.1/01	Tsesin, N.	2020a	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 2.4.1/02	Tsesin, N.	2020a	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.5.1/01	Tsesin, N.	2020a	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.5.2/01	Tsesin, N.	2020a	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.6.1/01	Tsesin, N.	2020	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.7.1/01	Tsesin, N.	2020a	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.7.4/01	Tsesin, N.	2020a	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.7.5/01	Tsesin, N.	2020b	AG-E1-500-SC1—One year interim results of the ongoing 2 year shelf life study Report No. 000104497 ADAMA Makhteshim Ltd., Israel GLP, unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.7.5/01	Tsesin, N.	2022	Determination of Storage Stability and Physical-Chemical Properties of Ethosat 500 SC (AG-E1-500 SC1) Stored at Ambient Temperature for Two Years Report No. 0001 04497.058FL ADAMA reference No.: 000104497 ADAMA Makhteshim Ltd., Israel GLP, unpublished	N	ADM	KCP 2.7.5/01	Tsesin, N.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 2.8.2/01	Tsesin, N.	2020a	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.8.3.1/01	Tsesin, N.	2020a	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.8.3.2/01	Tsesin, N.	2020a	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.8.5.1.1/01	Tsesin, N.	2020	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.8.5.1.2/01	Tsesin, N.	2020	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.8.7.2/01	Tsesin, N.	2020	Please refer to KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.9.1/01	Thomas H..	2021	Evaluation of the Physical and Chemical Compatibility of Tank Mixtures of AG-E1-500 SC1 Report No.: 21 35 CRX 0003 ADAMA reference No.: 000107348 BioChem agrar, Germany GLP, unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 2.9.2/01	Thomas H..	2021	Please refer to KCP 2.9.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 4.3/01	Anonymous	2020	Safety Data Sheet – ADM.02650.H.1.A ADAMA Agan Ltd., Ashdod., Israel Report no.: not available No GLP Unpublished	N	N	-	ADM
KCP 4.4/01	Anonymous	2015	HDPE - 1 L packaging information (Mobilak) Mobilak Report no.: not available No GLP Unpublished	N	N	-	Mobilak
KCP 4.4/02	Anonymous	2019	HDPE (Reyde) 1 L - Packaging information Reyde, Spain Report no.: not available No GLP Unpublished	N	N	-	Reyde
KCP 4.4/03	Anonymous	2013	HDPE - 4x1 L packaging information Pachmas Packaging Ltd. Report no.: not available No GLP Unpublished	N	N	-	Pachmas
KCP 4.4/04	Anonymous	2020	HDPE (Reyde) 5 L - Packaging information Reyde, Spain Report no.: not available No GLP Unpublished	N	N	-	Reyde
KCP 4.4/05	Anonymous	2018	HDPE (Mobilak) 5 L - Packaging information Mobilak Report no.: not available No GLP Unpublished	N	N	-	Mobilak
KCP 4.4/06	Anonymous	2017	HDPE (Pachmas) 5 L - Packaging information Pachmas Packaging Ltd Report no.: not available No GLP Unpublished	N	N	-	Pachmas

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 4.4/07	Anonymous	2019	HDPE (Reyde) 5 L - Packaging information Reyde, Spain Report no.: not available No GLP Unpublished	N	N	-	Reyde
KCP 4.4/08	Anonymous	2020	HDPE (Pachmas) 10 L - Packaging information PACHMAS Packaging Ltd., Israel Report no.: not available No GLP Unpublished	N	N	-	Pachmas
KCP 4.4/09	Anonymous	2020	HDPE (Mobilak) - 10 L packaging information Mobilak Report no.: not available No GLP Unpublished	N	N	-	Mobilak
KCP 4.4/10	Anonymous	2019	HDPE (Reyde) 10 L packaging information Ryde, Spain Report no.: not available No GLP Unpublished	N	N	-	Reyde
KCP 4.4/11	Anonymous	2003	HDPE – 20 L packaging information Not reported Report no.: not available No GLP Unpublished	N	N	-	not reported
KCP 4.4/12	Anonymous	2013	HDPE 12x1 L HDPE bottles Outer packaging (carton) information Report no.: not available No GLP Unpublished	N	N	-	not reported

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 5.1.1/01	Tsesin, N.	2020a	Determination of Storage Stability and Physical-Chemical Properties of Ethosat 500 SC (AG-E1-500 SC1) Stored at 54°C for 14 Days and at 0°C for 7 Days ADAMA Agan Ltd. Israel, Report No. 000104496.057FL, Sponsor reference no. 000104496 GLP Unpublished Also filed under KCP 2.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 5.1.1/02	Bacher R.	2010	Method Validation for the Determination of Methanesulfonic Acid Ethyl Ester (EMS) and Methanesulfonic Acid Isobutyl Ester (iBMS) in Three Technical Ethofumesate Formulations Report no. P/B 1686 G, Sponsor reference no. OFC00022182 PTRL Europe, Ulm, Germany GLP Unpublished	N	N	-	ADM
KCP 5.1.2/01 (KCA 6.1/02) (and KCP 8/02)	Watson, G.	2021	Ethofumesate: Storage Stability of Residues of Ethofumesate and its Metabolite in Lettuce and Cereal Grain Stored Frozen for up to Two Years; Interim Report 1. Report No. RES-00278 Study ID 000106576 GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 5.1.2/02	xxxxxxxxxxxxxxxxxx	2005	Ethosat 500 - Fish (Golden Orfe), Acute Toxicity Test, Semi-Static, 96 h Report no. FAG100321 xxxxxxxxxxxxxxxxxx, Germany GLP Unpublished Also filed under KCP 10.2/01	Y	N	-	ADM

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 5.1.2/03	Renner P.	2020a	Acute toxicity of AG-E1-500 SC1 to <i>Daphnia magna</i> in a 48-hour static test Report no. 20 48 ADL 0001, ADAMA reference no. 000103254 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished Also filed under KCP 10.2/02	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 5.1.2/04	Renner P.	2020b	Effects of AG-E1-500 SC1 on <i>Desmodesmus subspicatus</i> in an algal growth inhibition test Report No. 20 48 AAL 0001, ADAMA reference no. 000103255 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished Also filed under KCP 10.2/03	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 5.1.2/05	Renner P.	2020c	Effects of AG-E1-500 SC1 on <i>Myriophyllum spicatum</i> in a static water-sediment system Report No. 20 48, ADAMA reference no. AMS 0001 000103256 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished Also filed under KCP 10.2/04	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 5.1.2/06	Ansaloni T.	2020a	AG-E1-500 SC 1: Chronic Oral Toxicity Test (10-Day Feeding) to the Honey Bee, <i>Apis mellifera</i> L. under Laboratory Conditions Report no. S19-20080, Sponsor reference no. 000103264 Trialcamp S.L.U., Alcàsser, Spain GLP Unpublished Also filed under KCP 10.3.1.2/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 5.1.2/07	Ansaloni T.	2020b	AG-E1-500 SC 1: Honey Bee (<i>Apis mellifera</i> L.) Larval Toxicity Test following Repeated Exposure under laboratory conditions Report no. S19-20081, Sponsor reference no. 000103265 Trialcamp S.L.U., Alcàsser, Spain GLP Unpublished Also filed under KCP 10.3.1.3/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 5.1.2/08	Duffner A.	2020a	AG-E1-500 SC1: Effects on the Seedling Emergence and Seedling Growth of Non-Target Terrestrial Plant Specied under Greenhouse Conditions Report no. S19-22437, Sponsor reference no. 000104143 Eurofins Agrosience Services Ecotox GmbH, Germany GLP Unpublished Also filed under KCP 10.6.2/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 5.1.2/09	Duffner A.	2020b	AG-E1-500 SC1: Effects on the Vegetative Vigour of Non-Target Terrestrial Plant Specied under Greenhouse Conditions Report no. S19-22438, Sponsor reference no. 000104144 Eurofins Agrosience Services Ecotox GmbH, Niefern-Öschelbronn, Germany GLP Unpublished Also filed under KCP 10.6.2/02	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 6 /01	WASMER, L.	2021	BAD of AG-E1-500 SC1 in the Central Registration zone (North-East and South-East Eppo climatic zones) Unpublished	N	Y	New data – Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /01 Also cited in KCP 6.4	KUKULA A.	2019	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in Poland in 2019 AGRECO Sp. z.o.o. Report n°: PL19HEBEAVA067A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 6.2 /02 Also cited in KCP 6.4	KUKULA A.	2019	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in Poland in 2019 AGRECO Sp. z.o.o. Report n°: PL19HEBEAVA067B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /03 Also cited in KCP 6.4	KUKULA A.	2019	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in Poland in 2019 AGRECO Sp. z.o.o. Report n°: PL19HEBEAVA067C GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /04 Also cited in KCP 6.4	KUKULA A.	2019	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in Poland in 2019 AGRECO Sp. z.o.o. Report n°: PL19HEBEAVA067D GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /05 Also cited in KCP 6.4	SZEMENDERA A.	2019	Efficacy of AG-E1-500 SC1 in control of weeds in sugarbeet, Poland 2019 FERTICO Sp. z.o.o. Report n°: PL19HEBEAVA067G GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /06 Also cited in KCP 6.4	SZEMENDERA A.	2019	Efficacy of AG-E1-500 SC1 in control of weeds in sugarbeet, Poland 2019 FERTICO Sp. z.o.o. Report n°: PL19HEBEAVA067H GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /07 Also cited in KCP 6.4	SZEMENDERA A.	2020	Efficacy of AG-E1-500 SC1 in control of weeds in sugar beet, Poland 2020 FERTICO Sp. z.o.o. Report n°: PL20HEBEAVA059A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 6.2 /08 Also cited in KCP 6.4	GAJEK D.	2020	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in POLAND in 2020 Agro Research Consulting (ARC) Report n°: PL20HEBEAVA059B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /09 Also cited in KCP 6.4	PAWLAK A.	2020	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in Poland in 2020 STAPHYT Sp. z.o.o Report n°: PL20HEBEAVA059C GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /10 Also cited in KCP 6.4	PAWLAK A.	2020	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in Poland in 2020 STAPHYT Sp. z.o.o Report n°: PL20HEBEAVA059H GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /11 Also cited in KCP 6.4	RITECZ J.	2019	Efficacy of AG-E1-500 SC1 in sugar beets after 2 way splitting post emergence application in Hungary in 2019 SynTech Research Hungary Kft. Report n°: HU19HEBEAVA100A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /12 Also cited in KCP 6.4	HODI L.	2019	Efficacy of AG-E1-500 SC1 in sugar beets after 2 way splitting post emergence application in Hungary in 2019 SynTech Research Hungary Kft. Report n°: HU19HEBEAVA100B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /13 Also cited in KCP 6.4	HOFFMANNE PATHY Z.	2019	Efficacy of AG-E1-500 SC1 in sugar beets after 2 way splitting post emergence application in Hungary in 2019. Növénypathyka Kft. Report n°: HU19HEBEAVA100C GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 6.2 /14 Also cited in KCP 6.4	HOFFMANNE PATHY Z.	2019	Efficacy of AG-E1-500 SC1 in sugar beets after 2 way splitting post emergence application in Hungary in 2019. Növénypathyka Kft. Report n°: HU19HEBEAVA100D GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /15 Also cited in KCP 6.4	LABANT A.	2020	Efficacy of AG-E1-500 SC1 in sugar beets after 2 way splitting post emergence application in Hungary in 2020 Növénypathyka Kft. Report n°: HU20HEBEAVA101A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /16 Also cited in KCP 6.4	LABANT A.	2020	Efficacy of AG-E1-500 SC1 in sugar beets after 2 way splitting post emergence application in Hungary in 2020 Növénypathyka Kft. Report n°: HU20HEBEAVA101B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /17 Also cited in KCP 6.4	ROCKAR M.	2019	Efficacy of AG-E1-500 SC1 in sugar beets after 2 way splitting post emergence application in Slovakia in 2019 Fyse, Ltd., Dep. AgroLab Report n°: SK19HEBEAVA608A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /18 Also cited in KCP 6.4	BANICOVA J.	2019	Efficacy of AG-E1-500 SC1 (post-emergence; spring) against weeds in sugar beets in (Slovakia) in 2019 Fyse, Ltd., Dep. AgroLab Report n°: SK19HEBEAVA608B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /19 Also cited in KCP 6.4	ROCKAR M.	2020	Efficacy of AG-E1-500 SC1 in sugar beets after 2 way splitting post emergence application in Slovakia in 2020 Fyse, Ltd., Dep. AgroLab Report n°: SK20HEBEAVA604A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 6.2 /20 Also cited in KCP 6.4	BANICOVA J.	2020	Efficacy of AG-E1-500 SC1 (post-emergence; spring) against weeds in sugar beets in (Slovakia) in 2020 Fyse, Ltd., Dep. AgroLab Report n°: SK20HEBEAVA604B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /21 Also cited in KCP 6.4	TÓTH F.	2020	Efficacy of AG-E1-500 SC1 in sugar beets after 2 way splitting post emergence application in Slovakia in 2020 GEMERPRODUKT VALICE OVD Report n°: SK20HEBEAVA604C GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /22 Also cited in KCP 6.4	TÓTH F.	2020	Efficacy of AG-E1-500 SC1 in sugar beets after 2 way splitting post emergence application in Slovakia in 2020 GEMERPRODUKT VALICE OVD Report n°: SK20HEBEAVA604D GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /23 Also cited in KCP 6.4	CERNY M.	2020	“Efficacy of AG-E1-500 SC1 in sugar beets after 2 way splitting post emergence application in Slovakia in 2020” Ustredny kontrolny a skusobny ustav polnohospodarsky Report n°: SK20HEBEAVA604E GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /24 Also cited in KCP 6.4	KOLAROVA M.	2019	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in the Czech Republic in 2019. Czech University of Life Sciences Report n°: CZ19HEBEAVA606A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /25 Also cited in KCP 6.4	HORNIK P.	2019	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in the Czech Republic in 2019. ZS Nechanice Report n°: CZ19HEBEAVA606B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 6.2 /26 Also cited in KCP 6.4	KOLAROVA M.	2020	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in the Czech Republic in 2020 Czech University of Life Sciences Report n°: CZ20HEBEAVA602A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /27 Also cited in KCP 6.4	HORNIK P.	2020	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in the Czech Republic in 2020 ZS Nechanice Report n°: CZ20HEBEAVA602B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /28 Also cited in KCP 6.4	ROHR J.	2020	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in Germany in 2020. Trialtec GmbH Report n°: DE20HEBEAVA602A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.2 /29 Also cited in KCP 6.4	ROHR J.	2019	Efficacy of AG-E1-500 SC1 in sugar beets after 3 way splitting post emergence application in Germany in 2020. Trialtec GmbH Report n°: DE20HEBEAVA602B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4 /30	SZEMENDERA A.	2019	Selectivity of AG-E1-500 SC1 in control of weeds in sugarbeet, Poland 2019 FERTICO Sp. z.o.o. Report n°: PL19HSBEAVA066A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4 /31	SZEMENDERA A.	2019	Selectivity of AG-E1-500 SC1 in control of weeds in sugarbeet, Poland 2019 FERTICO Sp. z.o.o. Report n°: PL19HSBEAVA066B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 6.4 /32	PAWLAK A.	2019	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 3* post-emergence application in Poland in 2019 STAPHYT Sp. z.o.o Report n°: PL19HSBEAVA066C GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4 /33	PAWLAK A.	2019	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 3* post-emergence application in Poland in 2019 STAPHYT Sp. z.o.o Report n°: PL19HSBEAVA066D GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4 /34	SZYMANSKA B.	2019	Determination of the selectivity of AG-E1-500 SC1 in cultivation sugar beet Poznań University of Life Sciences, Research and Education Center Gorzyń Report n°: PL19HSBEAVA066E GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4 /35	SZYMANSKA B.	2019	Determination of the selectivity of AG-E1-500 SC1 in cultivation sugar beet Poznań University of Life Sciences, Research and Education Center Gorzyń Report n°: PL19HSBEAVA066F GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4 /36	RITECZ J.	2019	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 2* post-emergence application in Hungary in 2019 SynTech Research Hungary Kft. Report n°: HU19HSBEAVA100A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 6.4 /37	HODI L.	2019	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 2* post-emergence application in Hungary in 2019 SynTech Research Hungary Kft. Report n°: HU19HSBEAVA100B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4 /38	HOFFMANNE PATHY Z.	2019	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 2* post-emergence application in Hungary in 2019 Növénypathyka Kft. Report n°: HU19HSBEAVA100C GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4 /39	HOFFMANNE PATHY Z.	2019	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 2* post-emergence application in Hungary in 2019 Növénypathyka Kft. Report n°: HU19HSBEAVA100D GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4 /40	TOTH F.	2019	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 2* post-emergence application in Slovakia in 2019. GEMERPRODUKT VALICE OVD Report n°: SK19HSBEAVA604A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4 /41	TOTH F.	2019	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 2* post-emergence application in Slovakia in 2019. GEMERPRODUKT VALICE OVD Report n°: SK19HSBEAVA604B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 6.4 /42	SOLTESZ J.	2019	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 2* post-emergence application in Slovakia in 2019 Fyse, Ltd., Dep. AgroLab Report n°: SK19HSBEAVA604C GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4 /43	BANICOVA J.	2019	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 2* post-emergence application in Slovakia in 2019 Fyse, Ltd., Dep. AgroLab Report n°: SK19HSBEAVA604D GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4/44	HETTERICH F.	2019	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 3* post-emergence application in Germany in 2019 Hetterich Fieldwork GbR Report n°: DE19HSBEAVA602A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4/45	ZICKART U.	2020	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 3* postemergence application, Germany 2020 BioChem agrar GmbH Report n°: DE20HSBEAVA600A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.4/46	LAMERS K.	2020	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 3* postemergence application in Germany in 2020 BioChem agrar GmbH Report n°: DE20HSBEAVA605A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 6.4/47	LAMERS K.	2020	Determination of the selectivity of AG-E1-500 SC1 in sugar beet after 3* postemergence application in Germany in 2020 BioChem agrar GmbH Report n°: DE20HSBEAVA605B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.5/48	Barlet O.	2019	Selectivity of AG-E1-500 SC1 applied in post-emergence on several following crops (Potato, Maize, Sunflower and Pea) of sugar beet in France in 2019 SAS Ephydia ADAMA Agan Ltd., Report n°: FR19HUBEAVA101A GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.5/49	Barlet O.	2019	Selectivity of AG-E1-500 SC1 applied in post-emergence on several following crops (Potato, Maize, Sunflower and Pea) of sugar beet in France in 2019 SAS Ephydia ADAMA Agan Ltd., Report n°: FR19HUBEAVA101B GEP Unpublished	N	Y	New study - Never submitted before	ADAMA Agan Ltd.
KCP 6.5/50	KLENNER and WERSCHMANN	2004	Bioassay for the Determination of EC10-(NOEL-) Values of the Herbicide ETHOSAT 500 (a.i. 500 g/l Ethofumesate) in soil on Selected Succeeding Crops Landwirtschaftskammer Westfalen-lippe, Referat Landbau und Pflanzenschutz (RLP) Report n°: PL0102 Not GEP (Official organization) Unpublished	N	N	-	ADAMA Agan Ltd.
KCP 7.1.1/01	xxxxxxxxxxxxx	1999a	Ethosat 500: Acute oral toxicity study in the rat – acute toxic class method Report n°. 644/040 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx GLP Unpublished	Y	N	-	ADM

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 7.1.2/01	xxxxxxxxxxxxxxxxxxxxxx	1999b	Ethosat 500: Acute dermal toxicity (limit test) in the rat Report n°. 644/041 xxxxxxxxxxxxxxxxxxxxxx GLP Unpublished	Y	N	-	ADM
KCP 7.1.3/01	xxxxxxxxxxxxxxxxxxxxxx	1999	Ethosat 500: Acute inhalation toxicity (nose only) study in the rat Report n°. 644/042 xxxxxxxxxxxxxxxxxxxxxx GLP Unpublished	Y	N	-	ADM
KCP 7.1.4/01	xxxxxxxxxxxxxxxxxxxxxx xxxx	1999c	Ethosat 500: Acute dermal irritation test in the rabbit Report n°. 644/043 xxxxxxxxxxxxxxxxxxxxxx GLP Unpublished	Y	N	-	ADM
KCP 7.1.5/02	xxxxxxxxxxxxxxxxxxxxxx xxx	1999d	Ethosat 500: Acute eye irritation test in the rabbit Report n°. 644/044 xxxxxxxxxxxxxxxxxxxxxx GLP Unpublished	Y	N	-	ADM
KCP 7.1.6/01	xxxxxxxxxxxxxxxxxxxxxx xxx	1999e	Ethosat 500: Magnusson & Kligman Maximisation study in the guinea pig Report n°. 644/045 xxxxxxxxxxxxxxxxxxxxxx GLP Unpublished	Y	N	-	ADM
KCP 8/01 (KCA 6.1/01)	Schulte, G.	2015	Storage Stability of open-ring-2-keto ethofumesate (AE C520645) in Plant Matrices for 24 Months Bayer CropScience AG, 40789 Monheim, Germany Report No. MR-12/058 Study ID P642120507 GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	TFE

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 8/02 (KCA 6.1/02) (and KCP 5.1.2/01)	Watson, G.	2021	Ethofumesate: Storage Stability of Residues of Ethofumesate and its Metabolite in Lettuce and Cereal Grain Stored Frozen for up to Two Years; Interim Report 1. Report No. RES-00278 Study ID 000106576 GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	ADM
KCP 9.2.4/01	Hicks J.	2021a	PECgroundwater Calculations for Ethofumesate and Metabolites For Submission to Central and Southern EU Regulatory Zones ETF/EFA/01; Sponsor Reference Number: 000107866 Agrex AG, Basel, Switzerland non GLP Unpublished	N	N	-	ADM
KCP 9.2.5/01	Hicks J.	2021b	PECsurfacewater and PECsediment Calculations for Ethofumesate and Metabolites – FOCUS Steps 1, 2, 3 and 4 For Submission to the Central and Southern EU Regulatory Zones ETF/EFA/02; Sponsor Reference Number: 000107867 Agrex AG, Basel, Switzerland non GLP Unpublished	N	N	-	ADM
KCP 10.2/01	xxxxxxxxxxxxxxxxxxxx	2005	Ethosat 500 Fish (Golden Orfe), Acute Toxicity Test, Semi-Static, 96 h FAG100321 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx GLP Unpublished	Y	N	-	Adama
KCP 10.2/02	Renner P.	2020a	Acute toxicity of AG-E1-500 SC1 to Daphnia magna in a 48-hour static test 20 48 ADL 0001 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 10.2/03	Renner P.	2020b	Effects of AG-E1-500 SC1 on <i>Desmodesmus subspicatus</i> in an algal growth inhibition test 20 48 AAL 0001 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama
KCP 10.2/04	Renner P.	2020c	Effects of AG-E1-500 SC1 on <i>Myriophyllum spicatum</i> in a static water-sediment system 20 48 AMS 0001 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama
KCP 10.3.1.1.1/01	Franke M.	2020	Acute toxicity of AG-E1-500 SC1 to the honeybee <i>Apis mellifera</i> L. under laboratory conditions 20 48 BAA 0004 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama
KCP 10.3.1.1.2/01	Franke M.	2020	Please refer to KCP 10.3.1.1.1/01	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama
KCP 10.3.1.2/01	Ansaloni T.	2020a	AG-E1-500 SC 1: Chronic Oral Toxicity Test (10-Day Feeding) to the Honey Bee, <i>Apis mellifera</i> L. under Laboratory Conditions S19-20080 Trialcamp S.L.U., Alcàsser, Spain GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama
KCP 10.3.1.3/01	Ansaloni T.	2020b	AG-E1-500 SC 1: Honey Bee (<i>Apis mellifera</i> L.) Larval Toxicity Test following Repeated Exposure under laboratory conditions S19-20081 Trialcamp S.L.U., Alcàsser, Spain GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 10.3.2/01	Röhlig U	2020a	Effects of AG-E1-500-SC1 on the predatory mite <i>Typhlodromus pyri</i> Scheuten in a laboratory test 20 48 NTL 0001 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama
KCP 10.3.2/02	Röhlig U.	2020b	Effects of AG-E1-500-SC1 on the parasitic wasp <i>Aphidius rhopalosiphi</i> (De Stefani-Perez) in a laboratory test 20 48 NAL 0001 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama
KCP 10.4.1.1/01	Friedrich S.	2020a	Effects of AG-E1-500 SC1 on the reproduction of the earthworm <i>Eisenia andrei</i> in artificial soil 20 48 TEC 0002 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama
KCP 10.4.2.1/01	Friedrich S.	2020b	Effects of AG-E1-500 SC1 on the reproduction of the collembolan <i>Folsomia candida</i> 20 48 TCC 0003 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama
KCP 10.4.2.1/02	Friedrich S.	2020c	Effects of AG-E1-500 SC1 on the reproduction of the predatory mite <i>Hypoaspis aculeifer</i> 20 48 THC 0002 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama
KCP 10.5/01	Persdorf U.	2020	Effects of AG-E1-500-SC1 on the activity of soil microflora (Nitrogen transformation test) 20 48 SMN 0003 BioChem agrar, Machern OT Gerichshain, Germany GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner*
KCP 10.6.2/01	Duffner A.	2020a	AG-E1-500 SC1: Effects on the Seedling Emergence and Seedling Growth of Non-Target Terrestrial Plant Specied under Greenhouse Conditions S19-22437 Eurofins Agrosience Services Ecotox GmbH, Niefern-Öschelbronn, Germany GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama
KCP 10.6.2/02	Duffner A.	2020b	AG-E1-500 SC1: Effects on the Vegetative Vigour of Non-Target Terrestrial Plant Specied under Greenhouse Conditions S19-22438 Eurofins Agrosience Services Ecotox GmbH, Niefern-Öschelbronn, Germany GLP Unpublished	N	Y	Data/study report never submitted before to support a product authorisation in Poland	Adama

*The sponsor company ADAMA Agan Ltd. (ADM) is a member of ADAMA Agricultural Solutions.

For studies owned by the TFE (TaskForce Ethofumesate), ADAMA Agricultural Solutions and all its affiliates has access as ADAMA Deutschland GmbH is member of the TFE.

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

Ethofumesate: For studies owned by the TFE (TaskForce Ethofumesate), ADAMA Agricultural Solutions and all its affiliates has access as ADAMA Deutschland GmbH is member of the TFE.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
CP 5.1.2	Whiteoak R. J., Crofts M., Harris, R.J.	1973	ANALYTICAL METHOD FOR RESIDUE IN SUGAR BEET TREATED WITH NORTRON Fisons plc, United Kingdom Bayer CropScience, Report No.: A83491/ M-155727-01, Non GLP, unpublished	N	N	-	Bayer CropScience
CP 5.1.2	Whiteoak, R. J.; Crofts, M.; Harris, R. J.	1976	ANALYTICAL METHOD FOR RESIDUES IN SUGAR BEET TREATED WITH NORTRON Fisons plc, United Kingdom Bayer CropScience, EPA MRID No.: 00084997 Report number: A83492/ M-155728-01 Non GLP, unpublished	N	N	-	Bayer CropScience
CP 5.1.2	Manley, J. D., Snowdon, P.J.,	1984	ANALYTICAL METHOD FOR RESIDUES OF ETHOFUMESATE AND MAJOR METABOLITES IN SUGAR BEET (IMPROVED METHOD) FBC Limited, Chesterford Park, United Kingdom Bayer CropScience, Report number: A83493/M-155729-01-1 Non GLP, unpublished	N	N	-	Bayer CropScience
CP 5.1.2	Wrede, A.;	2000	Validation of the method AL 081/96-0 in peas and sugar beet roots by GC-MSD - ethofumesate - Code: AE B049913 Report No: C009934, Document no: M-199547-01-1 Aventis CropScience GmbH, Germany GLP, unpublished	N	N	-	Bayer Crop Science
CP 5.1.2	Perny A.	2002	Validation of the Method of Analysis of the residues of Ethofumesate and its metabolite 2-keto ethofumesate (free and conjugated form) in Sugar Beet Report number: A0019 GLP	N	N	-	UPL

CP 5.1.2	Konrad S.	2012	Analytical method 00955/M002 for the determination of ethofumesate and its metabolite AE C509607 in three different plant groups (sugar beet, leaf and body and orange) Currenta GmbH & Co. OHG, Leverkusen, Germany Bayer CropScience, Report No.: 00955/M002 / M-438402-01-1 GLP, unpublished	N	N	-	Task Force Ethofumesate
CP 5.1.2	Schulte G.	2013	Formation of 2-keto-ethofumesate (AE C509607) by acidic extraction of plant matrices containing open-ring-2-keto-ethofumesate (AE C520645) - (sugar beet (leaf), sugar beet (body), orange (fruit), wheat (grain)) Bayer CropScience, Report No.: MR-13/061/ M-459805-01 GLP, unpublished	N	N	-	Task Force Ethofumesate
CP 5.1.2	Schulte G.	2013	STORAGE STABILITY OF OPEN-RING-2-KETO ETHOFUMESATE (AE C520645) IN PLANT MATRICES FOR 24 MONTHS - PHASE REPORT AFTER 6 MONTHS Bayer CropScience Report No: MR-13/086, M-459806-01 GLP, unpublished	N	N	-	Task Force Ethofumesate
CP 5.1.2	Thom M.	2005	Validation of an analytical method for the determination of residues of ethofumesate and ethofumesate-2-keto in various plant commodities Report No.: OFC00004832, M-351876-01-1 GAB Analytik GmbH, Germany GLP, unpublished	N	N	-	ADAMA
CP 5.1.2	xxxx	1977	RESIDUES IN MILK AND TISSUES FOLLOWING A 28-DAY FEEDING STUDY WITH ETHOFUMESATE IN DAIRY COWS - PART 1 Huntingdon Research Centre Ltd., Huntingdon, United Kingdom Bayer CropScience, Report number: A83024, M-155301-01-1 Non GLP, unpublished	N	N	-	Bayer CropScience
CP 5.1.2	Whiteoak, R. J	1990	GAS LIQUID CHROMATOGRAPHIC DETERMINATION OF RESIDUES OF ETHOFUMESATE AND ITS METABOLITES IN MILK AND CATTLE TISSUES Schering AG, Berlin, Germany Bayer CropScience Report no: A83109, M-155384-01-1 GLP, unpublished	N	N	-	Bayer CropScience

CP 5.1.2	xxxxx	1975	INVESTIGATION OF TISSUE AND EGG RESIDUES FROM HENS FOLLOWING DIETARY INTAKE OF NC 8438 FOR 21 DAYS Fisons plc, United Kingdom Bayer CropScience, Report no: A83011, M-155288-01-1 Non GLP, unpublished	N	N	-	Bayer CropScience
CP 5.1.2	xxxxx	1999	Review of analytical methodology for residues in edible animal products (dairy, tissues, fat and offal) Ethofumesate AE B049913 AgrEvo UK Crop Protection Ltd., Chesterford Park, United Kingdom Bayer CropScience, Report no: C003328, M-185949-01-1 Non GLP, unpublished	N	N	-	Bayer CropScience
CP 5.1.2	Xxxx	1994	Ethofumesate-derived residues in the meat and milk of dairy cows: resulting from oral ingestion of ethofumesate AgrEvo USA Company, Residue Chemistry, Pikeville, NC, USA Bayer CropScience, Report No: B002201/M-237976-01 Non GLP, unpublished	N	N	-	Bayer CropScience
CP 5.1.2	Cole M.G.	2000	Validation of an analytical method for the residues of NC 20645 in sugar beet roots and whole milk, USA, 1998 Code: AE C639175 00 1B97 0001 Aventis CropScience USA LP, Residue Chemistry, Pikeville, NC, USA Bayer CropScience Report No: C004116/M-187353-01 Non GLP	N	N	-	Bayer CropScience
CP 5.1.2	uthor(s)	2010	Ethofumesate - Magnitude of the residue in dairy cow Bayer CropScience LP, Stilwell, KS, USA Bayer CropScience Report No.: RAADP014/M-388797-01-1 GLP, unpublished	N	N	-	Bayer CropScience
CP 5.1.2	Perez R., Schmitt J.L., Patel D.	2014	FREEZER STORAGE STABILITY OF ETHOFUMESATE IN ANIMAL MATRIX SAMPLES - INTERIM REPORT Bayer Crop Science Report No.: M-467206-01, RAADP031 GLP, unpublished	N	N	-	Task Force Ethofumesate

CP 5.2	Schulte G., Diehl P.	2014	Validation of the analytical method 01392 for the determination of the relevant ethofumesate metabolites in plant matrices by HPLC-MS/MS Bayer CropScience, Report. number: MR-13/101, M-479926-01 GLP, unpublished	N	N	-	Task Force Ethofumesate
CP 5.2	Ingham R.	2014	Letter of access - Regulation (EC) No. 1107/2009 - Active substance - Ethofumesate post Annex I inclusion - Letter of access from UPL to protected data United Phosphorus Limited, Cheshire, United Kingdom TF- Ethofumesate, Report No.: M-475932-01-1, GLP: n.a., unpublished	N	N	-	Task Force Ethofumesate
CP 5.2	Spiegel K.	2014	Ethofumesate - Discussion on the usability of plant enforcement method 01392 for metabolite AE C520645 in matrices with high oil content Report No.: M-497717-01 Non GLP, unpublished	N	N	-	Task Force Ethofumesate
CP 5.2	Jooß S.	2012	Ethofumesate - Validation of an Analytical Method for the Determination of the Ethofumesate and its two Metabolites NC 9607 and NC 20645 in Foodstuffs of Animal Origin Report No.: P 2371 G PTRL Europe, Ulm, Germany GPL, unpublished	N	N	-	Task Force Ethofumesate
CP 5.2	Schlewitz P.	2013b	Independent laboratory validation of an analytical method for the analysis of Ethofumesate and its two metabolites NC 9607 and NC 20645 in foodstuffs of animal origin Report No.: R B1218 Anadiag S.A. Haguenau, France GLP, unpublished	N	N	-	Task Force Ethofumesate
CP 5.2	Brumhard B.	2003	Method 00806 for the determination of residues of Ethofumesate in soil by HPLC-MS/MS Report No.: 00806, M-122176-01-1 Bayer CropScience GLP, unpublished	N	N	-	Bayer CropScience
CP 5.2	Schneider E.	2000	PR00/003 - Confirmation method for the determination of residues of ethofumesate in soil Report No. OFC00004917, M-351953-01-1 Dr Krebs Analytik, Koeln, Germany GLP, unpublished	N	N	-	ADAMA

CP 5.2	Krebber R., Braune M.	2013	Analytical method 01387 for the determination of various pesticides in drinking and surface water by HPLC-MS/MS Report No.: MR-13/085, M-466732-01-1 Bayer CropScience GLP, unpublished	N	N	-	Task Force Ethofumesate
CP 5.2	Class T. Stanislawski T.	2013	Independent laboratory validation of BCS analytical methods 01333 and 01387 for determination of various pesticides in surface water by Di-HPLC-MS/MS Report No.: P3117 G PTRL Europe, Ulm, Germany GPL, unpublished	N	N	-	Task Force Ethofumesate
CP 5.2	Schneider E.	2000	PR00/02 – Validation of an analytical method for the determination of residues of ethofumesate in air – Monitoring method Report No.: OFC00004919 UCL GmbH, Koeln, Germany GLP, unpublished	N	Y	-	ADAMA
CP 5.2	mmmmmmm	1994	Ethofumesate: Oral (Capsule/Gavage) maximum tolerated dose (MTD) and 28 day repeat dose rangefinding study in dog XXXXXXXXXX XXXXXXXXXXXXXXXXXXXX Report No.: A87557 Bayer CropScience GLP, unpublished	Y	N	-	Task Force Ethofumesate
KCA 6.1	Whiteoak, R. J.	1975	STABILITY OF RESIDUES DURING STORAGE OF CROP AND SOIL SAMPLES FROM TRIALS WITH NORTON Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83296, Edition Number: M-155565-01-1 Date: 1975-08-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.1	Bright, J. H. M.	1991	STABILITY OF ETHOFUMESATE AND NC 9607 RESIDUES IN SUGARBEET ROOTS AND TOPS DURING DEEP FREEZE STORAGE Schering AG, Berlin, Germany Bayer CropScience, Report No.: A83111, Report includes Trial Nos.: 041/02/001 Edition Number: M-155386-01-1 Date: 1991-03-08 GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.1	Schulte, G.	2013	Storage stability of open-ring-2-keto ethofumesate (AE C520645) in plant matrices for 24 months - Phase report after 6 months Bayer CropScience, Report No.: MR-13/086, Edition Number: M-459806-01-1 Date: 2013-07-11 GLP Unpublished	N	N	-	Task Force Ethofumesate
KCA 6.1	Hamberger, R.	2013	Determination of the storage stability of Ethofumesate and its metabolite NC20645 in sugar beet matrices during storage at < or = to - 18°C for a period of 12 months AgriChem B.V., 12A04042-01-SSSB CIP Chemisches Institut Pforzheim GmbH GLP Unpublished	N	N	-	ACM*
KCA 6.1	Schlewitz, P.	2014	Frozen storage stability of residues of ethofumesate metabolite NC 20645 in sugar beet (roots and tops with leaves) United Phosphorus Ltd., R B1312 ANADIAG GLP Unpublished	N	N	-	UPL
KCA 6.1	Perez, R.; Schmitt, J. L.; Patel, D.	2014	Freezer storage stability of ethofumesate in animal matrix samples - interim report ADPEN Laboratories, Inc., Jacksonville, FL, USA Bayer CropScience, Report No.: RAADP031, Edition Number: M-467206-02-1 Date: 2013-09-26 GLP Unpublished	N	N	-	Task Force Ethofumesate
KCA 6.2 /01	Miller, C.	1999	Summary of the metabolism of ethofumesate in plants Ethofumesate AE B049913 AgrEvo UK Crop Protection Ltd., Chesterford Park, United Kingdom Bayer CropScience, Report No.: C003349, Edition Number: M-185979-01-1 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.2.1 /01	Adcock, J. W.; Warner, P. A., Challis, I. R.	1976	The metabolism of ¹⁴ C- ethofumesate in the onion Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82959, Edition Number: M-155236-01-1 Date: 1976-10-01 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.2.1 /02	Warner, P. A.; Adcock, J. W.	1977	Metabolism of ethofumesate in tobacco Fisons plc, united kingdom Bayer Crop Science, Report no.: A82963, Edition number: m-155240-01-1 date: 1977-12-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.2.1 /03	Lines, D. S.; Adcock, J. W.	1978	The metabolism of ethofumesate by sugar beet under greenhouse conditions Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82964, Edition Number: M-155241-01-1 Date: 1978-12-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.2.1 /04	Lines, D. S.; Adcock, J. W.	1979	The metabolism of ethofumesate (98% pure ¹⁴ C - ethofumesate) by sugar beet under field conditions Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82965, Edition Number: M-155242-01-1 Date: 1979-01-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.2.1 /05	Chapleo, S.	1992	The metabolism of [¹⁴ C]- ethofumesate in sugar beet - a glasshouse study Inveresk Research Int. Ltd., Tranent, Scotland Bayer CropScience, Report No.: A82970, Report includes Trial Nos.: 381174 ENVIR 84B Edition Number: M-155247-01-1 Date: 1992-09-22 GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.2.1 /06	Caley, C. Y.; Chapleo, S.; Haswell, A.	1994	The metabolism of ¹⁴ C- ethofumesate in sugar beet Inveresk Research Int. Ltd., Tranent, Scotland Bayer CropScience, Report No.: A87553, Report includes Trial Nos.: 382445 Edition Number: M-161455-01-1 Date: 1994-06-01 GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.2.1 /07	Chapleo, S.	1992	The metabolism of [¹⁴ C]- ethofumesate in annual ryegrass - a glasshouse study Inveresk Research Int. Ltd., Tranent, Scotland Bayer CropScience, Report No.: A82971, Report includes Trial Nos.: 381169 ENVIR 85B Edition Number: M-155248-01-1 Date: 1992-09-17 GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.2.1 /08	Mellet, M.	1993	Determination of the residues of ethofumesate, ethofumesate-2-keto and the conjugates in sugar beets after application of Ethosat 500 SC in France, 1992 ANADIAG S.A., Haguenau, France Feinchemie Schwebda, Report No.: M-468491-01-1, Report includes Trial Nos.: 92HBEBI01, 92HBEBI06 Edition Number: M-468491-01-1 Date: 1993-06-07 GLP Unpublished	N	N	-	Adama (former Feinchemie Schwebda)
KCA 6.2.1/01 (KCA 6.2.1/09)	Hennecke, D.	2003	Metabolism of Ethofumesate in sugar beets United Phosphorus Ltd., GAB-002/7-08 Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Schmallenberg, Germany GLP Unpublished	N	N	-	UPL
KCA 6.2.2 /01	xxxxxxxxx	1992	THE METABOLISM OF ¹⁴ C ETHOFUMESATE IN LAYING HENS xxxxxxxxxxxxxxxxx Report includes Trial Nos.: SMS 297/920431 TOX 90542 Edition Number: M-155246-01-1 Date: 1992-06-09 GLP Unpublished	Y	N	-	Bayer CropScience
KCA 6.2.2 /02	xxxxxxxxx	1999	Poultry - Metabolism, Distribution and nature of the residues in eggs and edible tissues Code AE B049913 xxxxxxx, Report includes Trial Nos.: Tox97227 Edition Number: M-185380-01-1 Date: 1999-06-01 GLP Unpublished	Y	N	-	Bayer CropScience

KCA 6.2.3 /01	xxxxxxxxxxxx	1976	THE METABOLISM OF ¹⁴ CETHOFUMESATE IN THE SHEEP xxxxxxxxxx, Report No.: A82958, Edition Number: M-155235-01-1 Date: 1976-09-01 No GLP Unpublished	Y	N	-	Bayer CropScience
KCA 6.2.3 /02	xxxxxxxxxxxx	1992	THE METABOLISM OF ¹⁴ C-ETHOFUMESATE IN THE COW xxxxxxxxxxxxxx, Report No.: A82968, Report includes Trial Nos.: SMS 296/920441 TOX 90541 Edition Number: M-155245-01-1 Date: 1992-06-04 GLP Unpublished	Y	N	-	Bayer Crop-Science
KCA 6.2.3 /03	xxxxxxxxxxxxxxxx	1999	Metabolism, distribution and nature of the residues in milk and edible tissues Ethofumesate ruminant Code: AE B049913 xxxxxxxxxxxxxxxxxxxxxxxxUnited Kingdom xxxxxxxxxxxxxx, Report No.: C003362, Report includes Trial Nos.: TOX97226 Edition Number: M-185993-01-1 Date: 1999-04-07 No GLP Unpublished	Y	N	-	Bayer CropScience
KCA 6.3.5 /01	Crofts, M.	1975	RESIDUES IN FODDER BEET AND RED BEET FROM 1974 APPLICATIONS OF NORTRON IN THE UK Fisons plc, United Kingdom Bayer CropScience, Report No.: A83007, Edition Number: M-155284-01-1 EPA MRID No.: 41214220 Date: 1975-05-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /02	Crofts, M.; Whiteoak, R. J.	1976	RESIDUES IN MANGOLDS, FODDER BEET AND RED BEET FROM 1975 AND 1976 APPLICATIONS OF NORTRON IN THE UK (AND 1 RED BEET TRIAL IN SWEDEN) Fisons plc, United Kingdom Bayer CropScience, Report No.: A83020, Edition Number: M-155297-01-1 EPA MRID No.: 41214219 Date: 1976-09-01 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.3.5 /03	Crofts, M.; Whiteoak, R. J.	1977	RESIDUES IN RED BEET ROOTS FROM 1976 TRIALS WITH NORTON IN AUSTRALIA Fisons plc, United Kingdom Bayer CropScience, Report No.: A83022, Edition Number: M-155299-01-1 EPA MRID No.: 41214220 Date: 1977-02-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /04	Crofts, M.	1978	HARVEST RESIDUES IN RED BEET FROM NORTON TRIALS IN THE USA (NEW YORK, TEXAS AND WISCONSIN) IN 1976/77 Fisons plc, United Kingdom Bayer CropScience, Report No.: A83036, Edition Number: M-155313-01-1 EPA MRID No.: 41214219 Date: 1978-01-31 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /05	Crofts, M.	1978	HARVEST RESIDUES IN RED BEET FROM A NORTON TRIAL IN CANADA IN 1977 Fisons plc, United Kingdom Bayer CropScience, Report No.: A83039, Edition Number: M-155316-01-1 EPA MRID No.: 41214233 Date: 1978-11-02 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /06	Wrede, A.	1995	Residues in red beet after application of Betanal progress in France 1993 Hoechst Schering AgrEvo GmbH, Frankfurt am Main, Germany Bayer CropScience, Report No.: A83118, Report includes Trial Nos.: PF-R 93 098 Edition Number: M-155393-01-1 Date: 1995-04-04 GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /07	Crofts, M.; Whiteoak, R. J.	1973	HARVEST RESIDUES IN SUGAR BEET (ROOTS AND LEAVES) FROM 1972 TRIALS WITH NORTON IN THE UK Fisons plc, United Kingdom Bayer CropScience, Report No.: A82975, Edition Number: M-155252-01-1 EPA MRID No.: acc.36374 Date: 1973-07-01 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.3.5 /08	Crofts, M.; Whiteoak, R. J.	1973	HARVEST RESIDUES IN SUGAR BEET (ROOTS AND LEAVES) FROM FRENCH TRIALS WITH NORTRON IN 1972 Fisons plc, United Kingdom Bayer CropScience, Report No.: A82976, Edition Number: M-155253-01-1 EPA MRID No.: 41214219 Date: 1973-07-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /09	Crofts, M.; Whiteoak, R. J.	1973	HARVEST RESIDUES IN SUGAR BEET (ROOTS AND LEAVES) FROM DANISH TRIALS WITH NORTRON IN 1972 Fisons plc, United Kingdom Bayer CropScience, Report No.: A82977, Edition Number: M-155254-01-1 EPA MRID No.: 41214219 Date: 1973-08-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /10	Crofts, M.; Whiteoak, R. J.	1973	HARVEST RESIDUES IN SUGAR BEET (ROOTS AND LEAVES) FROM AUSTRIAN TRIALS WITH NORTRON IN 1972 Fisons plc, United Kingdom Bayer CropScience, Report No.: A82978, Edition Number: M-155255-01-1 Date: 1973-08-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /11	Crofts, M.; Whiteoak, R. J.	1973	HARVEST RESIDUES IN SUGAR BEET (ROOTS AND LEAVES) FROM 1972 TRIALS WITH NORTRON IN YUGOSLAVIA Fisons plc, United Kingdom Bayer CropScience, Report No.: A82979, Edition Number: M-155256-01-1 EPA MRID No.: 41414219 Date: 1973-08-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /12	Whiteoak, R. J.; Crofts, M.; Harris, R. J.	1973	RESIDUES IN SUGAR BEET (ROOTS AND LEAVES) FROM 1972 TRIALS WITH NORTRON IN W. GERMANY (UPDATED) Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82980, Edition Number: M-155257-01-1 EPA MRID No.: 41214220 Date: 1973-10-01 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.3.5 /13	Whiteoak, R. J.	1973	RESIDUE DECLINE STUDIES IN COLORADO (USA) WITH SUGAR BEET TREATED PRE-EMERGENCE WITH NORTRON IN 1972 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82982, Edition Number: M-155259-01-1 EPA MRID No.: acc.36365 Date: 1973-12-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /14	Whiteoak, R. J.; Crofts, M.	1974	RESIDUE DECLINE STUDIES IN MICHIGAN (USA) WITH SUGAR BEET TREATED PRE-EMERGENCE WITH NORTRON IN 1972 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82983, Edition Number: M-155260-01-1 EPA MRID No.: acc.37839 Date: 1974-02-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /15	Crofts, M.; Whiteoak, R. J.	1974	NORTRON RESIDUE IN HARVEST SUGAR BEET FROM NINE REGIONS OF THE USA IN 1972 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82986, Edition Number: M-155263-01-1 EPA MRID No.: acc.36366 Date: 1974-03-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /16	Crofts, M.; Whiteoak, R. J.	1974	HARVEST RESIDUES IN SUGAR BEET FROM 1973 PRE-EMERGENCE APPLICATIONS OF NORTRON (TRAMAT) IN ITALY Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82990, Edition Number: M-155267-01-1 Date: 1974-06-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /17	Crofts, M.; Whiteoak, R. J.	1974	RESIDUE DECLINE STUDY IN THE UK (1973) WITH SUGAR BEET TREATED PRE-EMERGENCE WITH NORTRON Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82992, Edition Number: M-155269-01-1 Date: 1974-07-01 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.3.5 /18	Crofts, M.; Whiteoak, R. J.	1974	HARVEST RESIDUES IN FODDER BEET FROM 1973 PRE-EMERGENCE APPLICATION OF NORTRON (TRAMAT) IN W. GERMANY Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82993, Edition Number: M-155270-01-1 Date: 1974-11-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /19	Crofts, M.; Whiteoak, R. J.	1974	HARVEST RESIDUES IN FODDER BEET FROM 1972 AND 1973 POST- EMERGENCE APPLICATIONS OF NORTRON (TRAMAT) IN W. GERMANY Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82996, Edition Number: M-155273-01-1 Date: 1974-11-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /20	Crofts, M.; Whiteoak, R. J.	1974	RESIDUE DECLINE STUDY IN THE UK (1973) WITH SUGAR BEET TREATED POST-EMERGENCE WITH NORTRON Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82997, Edition Number: M-155274-01-1 Date: 1974-11-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /21	Crofts, M.; Whiteoak, R. J.	1974	HARVEST RESIDUES IN SUGAR BEET FROM 1973 PRE-EMERGENCE APPLICATIONS OF NORTRON (TRAMAT) IN W. GERMANY Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82998, Edition Number: M-155275-01-1 Date: 1974-12-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /22	Crofts, M.; Whiteoak, R. J.	1974	HARVEST RESIDUES IN SUGAR BEET AND SOIL FROM 1973 POST- EMERGENCE APPLICATIONS OF NORTRON (TRAMAT) IN ITALY Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83290, Edition Number: M-155559-01-1 Date: 1974-12-01 No GLP Unpublished...also filed: KCA 7.1.2.2.1 /10	N	N	-	Bayer CropScience

KCA 6.3.5 /23	Crofts, M.; Whiteoak, R. J.	1974	HARVEST RESIDUES IN SUGAR BEET FROM 1973 POST- EMERGENCE APPLICATIONS OF NORTRON IN THE UK Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82999, Edition Number: M-155276-01-1 Date: 1974-12-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /24	Crofts, M.	1975	HARVEST RESIDUES IN SUGAR BEET FROM 1974 PRE- EMERGENCE APPLICATIONS OF NORTRON IN CANADA Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83004, Edition Number: M-155281-01-1 EPA MRID No.: 41214220 Date: 1975-03-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /25	Crofts, M.	1975	DECLINE IN RESIDUES IN SUGAR BEET TREATED PRE- EMERGENCE WITH NORTRON (TRAMAT) IN ITALY (1974) Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83005, Edition Number: M-155282-01-1 Date: 1975-04-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /26	Crofts, M.	1975	DECLINE OF RESIDUES IN SUGAR BEET TREATED POST- EMERGENCE WITH NORTRON (TRAMAT) IN ITALY (1974) Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83006, Edition Number: M-155283-01-1 Date: 1975-04-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /27	Crofts, M.; Whiteoak, R. J.	1976	NORTRON RESIDUES IN MATURE SUGAR BEET FOLLOWING POST- EMERGENCE APPLICATIONS AS A TANK MIX WITH DESMEDIPHAM IN THE USA Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83012, Edition Number: M-155289-01-1 Date: 1976-02-01 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.3.5 /28	Crofts, M.; Harris, R. J.; Wilkie, P. M.	1976	COMPARISON OF RESIDUES IN MATURE SUGAR BEET TREATED PRE- EMERGENCE WITH NORTRON 20 EC OR TCA OR A TANK MIX OF BOTH COMPONENTS IN THE USA Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83013, Edition Number: M-155290-01-1 Date: 1976-03-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /29	Crofts, M.; Harris, R. J.; Wilkie, P. M.	1976	COMPARISON OF RESIDUES IN MATURE SUGAR BEET TREATED PRE- EMERGENCE WITH NORTRON OR PYRAMIN OR A TANK MIX OR BOTH COMPONENTS IN THE USA IN 1975 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83016, Edition Number: M-155293-01-1 Date: 1976-05-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /30	Crofts, M.	1976	NORTRON AND RO-NEET RESIDUES IN MATURE SUGAR BEET FOLLOWING PRE-EMERGENCE APPLICATION AND TANK MIX IN THE USA IN 1974 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83017, Edition Number: M-155294-01-1 Date: 1976-05-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /31	Crofts, M.	1976	COMPARISON OF RESIDUES IN MATURE SUGAR BEET TREATED WITH AN SC OR AN EC FORMULATION OF NORTRON IN UK, 1975 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83019, Edition Number: M-155296-01-1 Date: 1976-06-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /32	Crofts, M.	1978	HARVEST RESIDUES IN SUGAR BEET FROM PRE-EMERGENCE APPLICATIONS OF TRAMAT (NORTRON) SC FORMULATION IN W. GERMANY IN 1976. Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83034, Edition Number: M-155311-01-1 Date: 1978-01-23 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.3.5 /33	Crofts, M.	1978	HARVEST RESIDUES IN SUGAR BEET FROM 1977 TRIALS WITH TRAMAT (NORTON) SC AND EC FORMULATIONS IN W. GERMANY Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83035, Edition Number: M-155312-01-1 Date: 1978-01-23 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /34	Harris, R. J.; Reary, J. B.	1979	RESIDUES IN MATURE SUGAR BEET FOLLOWING PRE-EMERGENCE APPLICATIONS OF SEPARATE OR TANK-MIX FORMULATIONS OF ETHOFUMESATE AND CHLORIDAZON IN MICHIGAN AND OHIO 1978 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83045, Edition Number: M-155322-01-1 Date: 1979-09-13 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /35	Browne, P. M.; Reary, J. B.	1979	ETHOFUMESATE RESIDUES IN MATURE SUGAR BEET TREATED POST EMERGENCE IN MIXTURES WITH PHENMEDIPHAM AND/OR DESMEDIPHAM IN USA 1977 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83046, Edition Number: M-155323-01-1 EPA MRID No.: 41214220 Date: 1979-08-30 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /36	Reary, J. B.	1980	RESIDUES IN MATURE SUGAR BEET TREATED POST-EMERGENCE WITH MIXTURES OF ETHOFUMESATE AND/OR PHENMEDIPHAM AND DESMEDIPHAM (COMMERCIAL EC FORMULATIONS) IN USA 1979 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83049, Edition Number: M-155326-01-1 EPA MRID No.: 41214219 Date: 1980-05-23 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.3.5 /37	Reary, J. B.	1980	RESIDUES IN MATURE SUGAR BEET FOLLOWING PRE AND POST- EMERGENCE APPLICATION OF ETHOFUMESATE (20 EC) IN CALIFORNIA 1977 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83050, Edition Number: M-155327-01-1 EPA MRID No.: 41214220 Date: 1980-06-20 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /38	Browne, P. M.; Reary, J. B.	1980	RESIDUES IN SUGAR BEET TREATED PRE- EMERGENCE WITH A SUSPENSION CONCENTRATE FORMULATION (50 SC) OF ETHOFUMESATE IN WEST GERMANY Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83053, Edition Number: M-155330-01-1 Date: 1980-09-12 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /39	Reary, J. B.	1980	RESIDUES IN MATURE SUGAR BEET TREATED PRE-EMERGENCE WITH MIXTURES OF ETHOFUMESATE AND/OR PEBULATE OR CYCLOATE (COMMERCIAL EC FORMULATIONS) IN CALIFORNIA 1979 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83051, Edition Number: M-155328-01-1 EPA MRID No.: 41214220 Date: 1980-08-14 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /40	Housden, M. C.; Reary, J. B.	1981	Residues of Ethofumestae and metabolites in sugar beet treated pre--emergence with a one-pack mixture of Ethofumestae and Lenacil in West Germany 1980 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83057, Edition Number: M-155334-01-1 Date: 1981-01-14 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /41	Reary, J. B.	1981	Residues of Ethofumesate and metabolites in sugar beet treated pre-emergence with a one-pack mixture of Ethofumesate and Chloridazon in West Germany 1980 Fisons plc, United Kingdom Bayer CropScience, Report No.: A83058, Edition Number: M-155335-01-1 Date: 1981-01-15 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.3.5 /42	Reary, J. B.	1981	Residues in sugar beet treated post- emergence with a suspension concentrate formulation (50 SC) of Ethofumesate in West Germany 1980 Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83059, Edition Number: M-155336-01-1 Date: 1981-01-15 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /43	Haldeman, J. K.; Ford, J. J.	1982	ANTOR AND NORTRON HERBICIDE RESIDUES IN SUGAR BEETS FROM TREATED PLOTS FBC Limited, Chesterford Park, United Kingdom Bayer CropScience, Report No.: A89134, Edition Number: M-164269-01-1 Date: 1982-02-22 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /44	Cron, J. H.	1982	Residues of Ethofumesate and metabolites in sugar beet treated pre-emergence with a one-pack mixture of Ethofumesate and Chloridazon in West Germany 1981 FBC Limited, Chesterford Park, United Kingdom Bayer CropScience, Report No.: A83064, Edition Number: M-155341-01-1 Date: 1982-02-11 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /45	Haldeman, J. K.	1982	NORTRON HERBICIDE RESIDUES IN SUGAR BEETS TREATED PRE- AND POST-PLANTING Hercules Inc.; Bayer Crop Science, Report No.: A83066, Edition Number: M-155343-01-1 Date: 1982-04-29 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /46	Cron, J. H.	1982	Residues of Ethofumesate and metaboiltres in sugar/fodder beet treated post-emergence with Ethofumesate (50 SC) in West Germany 1981 FBC Limited, Chesterford Park, United Kingdom Bayer CropScience, Report No.: A83065, Edition Number: M-155342-01-1 Date: 1982-04-02 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.3.5 /47	Haldeman, J. K.	1982	ETHOFUMESATE RESIDUES IN SUGAR BEETS FROM TWO CALIFORNIA LOCATIONS FBC Limited, Chesterford Park, United Kingdom Bayer CropScience, Report No.: A83067, Edition Number: M-155344-01-1 Date: 1982-05-07 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /48	Ford, J. J.	1983	DIETHATYL ETHYL (ANTOR HERBICIDE) AND ETHOFUMESATE (NORTRON HERBICIDE) RESIDUES IN 6-MONTH SUGAR BEETS FROM CALIFORNIA FBC Limited, Chesterford Park, United Kingdom Bayer CropScience, Report No.: A89135, Report includes Trial Nos.: H41/3/81 H79/3/3 Edition Number: M-164271-01-1 EPA MRID No.: 41214220 Date: 1983-07-13 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /49	Lee, G. E.; Weishedel, B. C.	1984	ETHOFUMESATE (NORTRON HERBICIDE) RESIDUES IN SUGAR BEETS FROM QUEBEC AND MANITOBA FBC Limited, Chesterford Park, United Kingdom Bayer CropScience, Report No.: A83069, Edition Number: M-155346-01-1 Date: 1984-04-16 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /50	Manley, J. D.; Snowdon, P. J.	1984	Residues of Ethofumesate and major metabolites in sugarbeet treated in West Germany 1982 and 1983, with a Co-formulation of Ethofumesate and Phenmedipham FBC Limited, Chesterford Park, United Kingdom Bayer CropScience, Report No.: A83072, Report includes Trial Nos.: 041/03/080 Edition Number: M-155349-01-1 Date: 1984-09-20 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.3.5 /51	Snowdon, P. J.	1985	Residues of Ethofumesate and major metabolites in sugarbeet treated in France 1984 with Ethofumesate and Phenmedipham as either a Co-formulation of a Tank-mix FBC Limited, Chesterford Park, United Kingdom Bayer CropScience, Report No.: A83071, Report includes Trial Nos.: 041/03/082 Edition Number: M-155348-01-1 Date: 1985-04-18 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /52	Manley, J. D.; Snowdon, P. J.	1986	Residues of Ethofumesate and major metabolites in sugar beet treated in the Federal Republic of Germany, 1983 with a Co-formulation of Ethofumesate and Phenmedipham FBC Limited, Chesterford Park, United Kingdom Bayer CropScience, Report No.: A83077, Report includes Trial Nos.: 041/03/080 Edition Number: M-155353-01-1 Date: 1986-08-04 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /53	Manley, J. D.; Snowdon, P. J.	1986	Residues of Ethofumesate and major metabolites in sugarbeet treated in the Federal Republic of Germany 1985 with a Co-formulation of Ethofumesate and Phenmedipham FBC Limited, Chesterford Park, United Kingdom Bayer CropScience, Report No.: A83078, Report includes Trial Nos.: 041/03/085 Edition Number: M-155354-01-1 EPA MRID No.: 41214220 Date: 1986-09-16 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.3.5 /54	Banwell, M.; Bright, J. H. M.	1990	Residues of Ethofumesate and its major metabolites in sugar beet following multiple post-emergence application of an EC Co-formulation with Penmedipham and Desmedipham in Denmark 1989 (2nd Edition) Schering AG, Berlin, Germany Bayer Crop Science, Report No.: A83095, Report includes Trial Nos.: 041/03/116 Edition Number: M-155764-02-1 Date: 1990-07-11 ...Amended: 1990-11-01 GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /55	Straszewski, A.	1993	Ethofumesate: SC (CQ 1273/01): Residues of Ethofumesate and its major metabolite in sugar beets France 1992 Schering AG, Berlin, Germany Bayer Crop Science, Report No.: A83115, Edition Number: M-155390-01-1 Date: 1993-09-23 GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /56	Wrede, A.	1995	Residues in sugar beet after application of Betanal progress of in France 1993 Hoechst Schering AgrEvo GmbH, Frankfurt am Main, Germany Bayer Crop Science, Report No.: A62042, Edition Number: M-145562-01-1 Date: 1995-04-04 GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.5 /57	Helgers, A.	1997	Ethofumesate and lenacil suspension concentrate 300 + 120 g/l AE B049913 02 SC 37 A101 and AE B049913 02 WP42 A101 Ethofumesate and lenacil SC compared with a WP formulation in sugar beet; determination of residues in sugar beet roots and Hoechst Schering AgrEvo GmbH, Frankfurt am Main, Germany Bayer CropScience, Report No.: A89772, Edition Number: M-165366-02-1 Date: 1997-01-27 ...Amended: 1997-02-27 GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.3.5 /58	Schulte, G.	2013	Amendment no. 1 to report no: 10- 2109 - Determination of the residues of ethofumesate in/on sugar beet after spray application of ethofumesate SC 500 in the field in Spain, Italy and Greece Bayer CropScience, Report No.: 10-2109, Report includes Trial Nos.: 10-2109-01 10-2109-02 10-2109-03 10-2109-04 Edition Number: M-444836-02-1 Date: 2013-01-15 ...Amended: 2013-07-09 GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.3.1/01	Tandy, R.	2012a	Determination of residues of Ethofumesate, Phenmedipham and Desmedipham after one application of Ethofol 500SC or three applications of Betasana Trio SC in sugar beet (outdoor) at 4 sites in Northern Europe 2009 United Phosphorus Ltd., S09-01656 Eurofins Agrosience Services LTD, UK GLP Unpublished	N	N	-	UPL
KCA 6.3.1/02	Perny, A.	2002	Residue study in sugar beets following treatments with a formulated product containing Ethofumesate 128 g/l, Phenmedipham 62 g/l and Desmedipham 16 g/l on sugar beet fields under field conditions in France and in the Netherlands in 2000 AgriChem B.V., R A0015 Anadiag S.A., Haguenau, France GLP Unpublished	N	N	-	ACM*
KCA 6.3.1/03	Perny, A.	2003	Residue study in sugar beets following treatments with a formulated product containing Ethofumesate 128 g/l, Phenmedipham 62 g/l and Desmedipham 16 g/l on sugar beet fields under field conditions in France and in The Netherlands in 2001 AgriChem B.V., R A1114 Anadiag S.A., Haguenau, France GLP Unpublished	N	N	-	ACM*

KCA 6.3.1/04	Huauilmé, J.-M.	2013a	Magnitude of residue of Ethofumesate and metabolites in sugar beet raw agricultural commodities after one foliar application of Ethofumesate 500 g/L SC - 4 trials (2 harvest trials and 2 decline curve trials) Northern Europe (The Netherlands, Belgium) - 2012 AgriChem B.V., BPL12/436/GC BIOTEK Agriculture GLP Unpublished	N	N	-	ACM*
KCA 6.3.1/05	Chevallier, E.	2012	Magnitude of residue of Ethofumesate and metabolites in sugar beet raw agricultural commodities after one foliar application of Ethofumesate 500 g/L SC - 4 trials (2 harvest trials and 2 decline curve trials) Northern Europe (The Netherlands, Belgium) - 2011 AgriChem B.V., BPL11/380/GC BIOTEK Agriculture GLP Unpublished	N	N	-	ACM*
KCA 6.3.1/06	Waalkens, W.M., Hamberger, R.	2005a	Determination of the decline of the residues of Phenmedipham, MHPC, Methylaniline, Desmedipham, EHPC, Aniline, Ethofumesate, 2-Keto- Ethofumesate in/on sugar beet plants and roots after foliar applications of Phenmedipham 157 g/l EC, Phenmedipham 157 g/l SE and Ethofumesate / Phenmedipham / Desmedipham 128/62/21 g/l EC to sugar beets in the Netherlands and northern France, 2003 AgriChem B.V., R03-16-NF-08 Res.Comp. for Plant Protec. "De Bredelaar" B.V., Elst, NL GLP Unpublished	N	N	-	ACM*
KCA 6.3.1/07	Waalkens, W.M., Hamberger, R.	2005b	Determination of the magnitude of the residues of Phenmedipham, MHPC, Methylaniline, Desmedipham, EHPC, Aniline, Ethofumesate, 2-Keto-Ethofumesate in/on sugar beet plants and roots after foliar applications of Phenmedipham 157 g/l EC, Phenmedipham 157 g/l SE and Ethofumesate / Phenmedipham / Desmedipham 128/62/21 g/l EC to sugar beets in the Netherlands and northern France, 2003 AgriChem B.V., R03-16-NF-09 Res.Comp. for Plant Protec. "De Bredelaar" B.V., Elst, NL GLP Unpublished	N	N	-	ACM*

KCA 6.3.1/08	Waalkens, W.M., Hamberger, R.	2005c	Determination of the decline of the residues of Phenmedipham, MHPC, Methylaniline, Desmedipham, EHPC, Aniline, Ethofumesate, 2-Keto- Ethofumesate in/on sugar beet plants and roots after foliar applications of Phenmedipham 157 g/l SE and Ethofumesate / Phenmedipham / Desmedipham 128/62/21 g/l EC to sugar beets in the Netherlands and northern France, 2004 AgriChem B.V., R04-16-NF-08 Res.Comp. for Plant Protec. "De Bredelaar" B.V., Elst, NL GLP Unpublished	N	N	-	ACM*
KCA 6.3.1/09	Waalkens, W.M., Hamberger, R.	2005d	Determination of the magnitude of the residues of Phenmedipham, MHPC, Methylaniline, Desmedipham, EHPC, Aniline, Ethofumesate, 2-Keto-Ethofumesate in / on sugar beet plants and roots after foliar applications of Phenmedipham 157 g/l SE and Ethofumesate / Phenmedipham / Desmedipham 128/62/21 g/l EC to sugar beets in the Netherlands and northern France, 2004 AgriChem B.V., R04-16-NF-09 Res.Comp. for Plant Protec. "De Bredelaar" B.V., Elst, NL GLP Unpublished	N	N	-	ACM*
KCA 6.3.1/10	Anspach, T.	2001	Magnitude of the residue of Phenmedipham, Desmedipham, Ethofumesate and its metabolite 2- oxo-Ethofumesate in sugar beets (roots and leaves/tops) after the application of Betasana Trio under filed conditions in Germany, 2000 United Phosphorus Ltd., ADN-0004 Dr. Specht Partner, Chemische Laboratorien GmbH, Germany GLP Unpublished	N	N	-	UPL
KCA 6.3.1/11	Tandy, R.	2013	Determination of residues of ETHOFUMSATE and ETHOFUMESATE-2-KETO, after one or three applications of ETHOFOL 500SC, or three application of BETASANA TRIO SC in sugar beet (outdoor) at 5 sites in Northern europe and 5 stes in Southern Europe 2010 United Phosphorus Ltd., S10-00258 Eurofins Agrosience Services LTD, UK GLP Unpublished	N	N	-	UPL

KCA 6.3.1/12	Waalkens, W.M. Hamberger, R.,	2005e	Determination of the magnitude of the residues of Phenmedipham, MHPC, Methylaniline, Desmedipham, EHPC, aniline, Ethofumesate, 2-Keto-Ethofumesate in/on sugar beet plants and roots after foliar applications of Phenmedipham 157 g/l SE and Ethofumesate / Phenmedipham / Desmedipham 128/62/21 g/l EC to sugar beets in northern Spain, 2003 AgriChem B.V., R03-16-SP-06 Res.Comp. for Plant Protec. "De Bredelaar" B.V., Elst, NL GLP Unpublished	N	N	-	ACM*
KCA 6.3.1/13	Waalkens, W.M., Hamberger, R.	2005f	Determination of the decline of the residues of Phenmedipham, MHPC, Methylaniline, Desmedipham, EHPC, Aniline, Ethofumesate, 2-Keto- Ethofumesate in/on fodder beet plants and roots after foliar applications of Phenmedipham 157 g/l SE and Ethofumesate / Phenmedipham / Desmedipham 128/62/21 g/l EC to fodder beets in southern France, 2003 AgriChem B.V., R03-16-FR-07 Res.Comp. for Plant Protec. "De Bredelaar" B.V., Elst, NL GLP Unpublished	N	N	-	ACM*
KCA 6.3.1/14	Huauilmé, J.-M.	2013b	Magnitude of residue of Ethofumesate and metabolites in sugar beet raw agricultural commodities after one foliar application of Ethofumesate 500 g/L SC - 4 trials (2 harvest trials and 2 decline curve trials) Southern Europe (Italy, Spain)-2012 AgriChem B.V., BPL12/435/GC BIOTEK Agriculture GLP Unpublished	N	N	-	ACM*
KCA 6.3.1/15	Tandy, R.	2012b	Validation of the analytical method A0019 to confirm the conversion of NC 20645 to NC 9607 in sugar beet roots and tops and wheat grain and straw United Phosphorus Ltd., S11-03715 Eurofins Agrosience Service GmbH No GLP Unpublished	N	N	-	UPL
KCA 6.3.1/16	Weir, A.	2014	METHOD MODIFICATION AND VALIDATION OF AN ANALYTICAL METHOD FOR THE DETERMINATION OF ETHOFUMESATE AND ITS METABOLITES NC 20645 AND NC 9607 IN SUGARBEET ROOTS AND TOPS United Phosphorus Ltd., S13-03837 Eurofins Agrosience Services LTD, UK GLP Unpublished	N	N	-	UPL

KCA 6.4.1/01	xxxxxxxxxxxxx	1975	INVESTIGATION OF TISSUE AND EGG - RESIDUES FROM HENS FOLLOWING DIETARY INTAKE OF NC 8438 FOR 21 DAYS xxxxxxx Report No.: A83011, Edition Number: M-155288-01-1 Date: 1975-09-01 No GLP Unpublished ...also filed: KCA 4.1.2 /27	Y	N	-	Bayer CropScience
KCA 6.4.1/02	xxxxxxxxxxxxx	1999	Review of animal metabolism data; maximum estimated dietary concentration for poultry and cattle; rebuttal for further animal feeding studies Ethofumesate Code: AE B049913 xxxxxxxxxx xxxxxxxxxxxxx, Report No.: C003329, Edition Number: M-185950-01-1 No GLP Unpublished ...also filed: KCA 6.4.2 /04	Y	N	-	Bayer CropScience
KCA 6.4.2/01	xxxxxxxxxxxxx	1977	RESIDUES IN MILK AND TISSUES FOLLOWING A 28-DAY FEEDING STUDY WITH ETHOFUMESATE IN DAIRY COWS - PART 1 xxxxxxx xxxxxxxxxx, Report No.: A83024, Edition Number: M-155301-01-1 EPA MRID No.: 41214208 Date: 1977-06-01 No GLP Unpublished ...also filed: KCA 4.1.2 /25	Y	N	-	Bayer CropScience
KCA 6.4.2/02	xxxxxxxxxxxxx	1977	RESIDUES IN MILK AND TISSUES FOLLOWING A 28-DAY FEEDING STUDY WITH ETHOFUMESATE IN DAIRY COWS - PART 2 xxxxxxxxxxxxx No.: A89223, Edition Number: M-164398-01-1 Date: 1977-06-01 No GLP Unpublished	Y	N	-	Bayer CropScience

KCA 6.4.2/03	xxxxxxxxxxxx	1994	Ethofumesate-derived residues in the meat and milk of dairy cows: resulting from oral ingestion of ethofumesate xxxxxxxxxxxxxxxxxx, Report No.: B002201, Report includes Trial Nos.: B93R04/05 Edition Number: M-237976-01-1 EPA MRID No.: 43458701 Date: 1994-10-12 No GLP Unpublished ...also filed: KCA 4.1.2 /29	Y	N	-	Bayer CropScience
KCA 6.4.2 /04	xxxxxxxxxxxxx.	1999	Review of animal metabolism data; maximum estimated dietary concentration for poultry and cattle; rebuttal for further animal feeding studies Ethofumesate Code: AE B049913 xxxxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxxxx Bayer Crop Science, Report No.: C003329, Edition Number: M-185950-01-1 No GLP Unpublished ...also filed: KCA 6.4.1 /02	Y	N	-	Bayer CropScience
KCA 6.5.1 /01	Miebach, D.; Bongartz, R.	2010	Nature of the residues of ethofumesate in processed commodities - High temperature hydrolysis Bayer CropScience, Report No.: MEF-10/803, Edition Number: M-397800-01-1 Date: 2010-12-09 GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.5.3 /01	Whiteoak, R. J.; Crofts, M.	1973	CONJUGATED RESIDUES IN FRACTIONS PROCESSED FROM SUGAR BEET TREATED WITH NORTRON Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82973, Edition Number: M-155250-01-1 EPA MRID No.: acc.36368 Date: 1973-05-01 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.5.3 /02	Crofts, M.; Whiteoak, R. J.	1974	FATE OF THE METABOLITE CONJUGATED NC 9607 DURING PRODUCTION OF SUGAR FROM NORTRON TREATED SUGAR BEET Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82985, Edition Number: M-155262-01-1 EPA MRID No.: acc.36369 Date: 1974-03-01 No GLP Unpublished ...also filed: KCA 4.1.2 /10	N	N	-	Bayer CropScience
KCA 6.5.3 /03	Crofts, M.; Whiteoak, R. J.	1975	FATE OF THE METABOLITE CONJUGATED NC 9607 DURING PRODUCTION OF SUGAR FROM NORTRON TREATED SUGAR BEET - ARTIFICIALLY HIGH RESIDUES IN BEET GROWN AND PROCESSED IN THE UNITED KINGDOM Fisons plc, United Kingdom Bayer CropScience, Report No.: A83002, Edition Number: M-155279-01-1 Date: 1975-03-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.5.3 /04	Crofts, M.; Whiteoak, R. J.	1975	FATE OF THE METABOLITE CONJUGATED NC 9607 DURING PRODUCTION OF SUGAR FROM NORTRON TREATED SUGAR BEET - ARTIFICIALLY HIGH RESIDUE IN BEET GROWN AND PROCESSED IN W. GERMANY Fisons plc, United Kingdom Bayer Crop Science, Report No.: A83003, Edition Number: M-155280-01-1 Date: 1975-03-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.6.1 /01	Carlton, R.; Cordell, P.	1993	THE UPTAKE AND METABOLISM OF ETHOFUMESATE AND ITS SOIL METABOLITES IN A CONFINED ROTATIONAL CROP STUDY Schering AG, Berlin, Germany Bayer Crop Science, Report No.: A83396, Report includes Trial Nos.: 90B Edition Number: M-155664-01-1 Date: 1993-06-18 GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.6.1 /02	Schneider, E.	1994	PR94/025 - Ethofumesate - Determination of ethofumesate residues in soil of a long time field study after the application of Ethosat (FSG031894) to sugar beet plants Dr. G. Krebs Analytik, Köln, Germany Feinchemie Schwebda, Report No.: M-468487-01-1, Edition Number: M-468487-01-1 Date: 1994-08-12 GLP Unpublished	N	N	-	Adama (former Feinchemie Schwebda)
KCA 6.6.1/01	Chapleo, S.	2003	The uptake of [¹⁴ C]-Ethofumesate residues in soil by rotational crops under confined conditions AgriChem B.V., Inveresk Research International, Tranent, Scotland Report No.: 22558 GLP Unpublished	N	N	-	ACM*
KCA 6.6.2 /01	Castro, L. E.	1994	ETHOFUMESATE EMULSIFIABLE CONCENTRATE 200 g/l CR 13768: AT-HARVEST RESIDUES OF ETHOFUMESATE AND METABOLITES IN ROTATIONAL CROPS AND SOIL FOLLOWING APPLICATIONS OF NORTRON EC TO SUGARBEETS, USA, 1990 Nor-Am Chemical Company, Pikeville, NC, USA Bayer CropScience, Report No.: A83117, Edition Number: M-155392-01-1 EPA MRID No.: 43298104 Date: 1994-05-05 GLP/GEP: yes, unpublished	N	N	-	Bayer CropScience
KCA 6.6.2 /02	Crofts, M.; Whiteoak, R. J.	1974a	RESIDUE ANALYSIS OF WHEAT GROWN IN THE UK AS A FOLLOWING CROP AFTER SUGAR BEET TREATED WITH NORTRON (1973) Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82995, Edition Number: M-155272-01-1 Date: 1974-11-01 No GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.6.2 /03	Crofts, M.; Whiteoak, R. J.	1974b	RESIDUE ANALYSIS OF WHEAT AND CORN (MAIZE) GROWN AS FOLLOWING CROPS AFTER SUGAR BEET TREATED WITH NORTRON (1973) Fisons plc, United Kingdom Bayer Crop Science, Report No.: A82994, Edition Number: M-155271-01-1 Date: 1974-09-01 No GLP Unpublished	N	N	-	Bayer CropScience

KCA 6.6.2 /04	Peatman, M. H.; Snowdon, P. J.	1991	RESIDUES OF SOIL AND EMERGENCY CROPS FOLLOWING APPLICATION OF ETHOFUMESATE AS A 50 SC FORMULATION IN THE UK 1990/91 Schering AG, Berlin, Germany Bayer Crop Science, Report No.: A83376, Report includes Trial Nos.: 041/04/057 Edition Number: M-155644-01-1 Date: 1991-12-20 GLP Unpublished	N	N	-	Bayer CropScience
KCA 6.6.2 /05	Schulte, G.; Diehl, P.	2013	Amendment No. 1 to Report No: 10- 2501 - Determination of the residues of ethofumesate in/on the field rotational crop barley, carrot, lettuce and wheat after spray application of ethofumesate SC 500 on sugar beet and soil in the field, in the Netherlands, Italy, Spain and Germany Bayer CropScience, Report No.: 10-2501, Report includes Trial Nos.: 10-2501-02 10-2501-03 10-2501-04 10-2501-05 Edition Number: M-463906-02-1 Date: 2013-08-22 ...Amended: 2013-09-13 GLP Unpublished	N	N	-	Task Force Ethofumesate
KCA 6.6.2/01	Spence, C.	2014	Evaluation of Ethofumesate Herbicide Residues Crop Rotation Study, Cereal, Root and Leafy Vegetable Crops Following Sugar Beet - One Application to Two Trials Initiated in 2012 - NEU (the United Kingdom) and SEU (Italy) AgriChem B.V., 697614, 34890 Charles River Laboratories , Edinburgh, UK GLP Unpublished	N	N	-	ACM*
KCA 6.10 /01	Wang, P.; Wang, Q.; Jiang, S.; Qiu, J.; Wang, P.; Zhou, Z.	2005	Stereoselective degradation of ethofumesate in turfgrass and soil. Journal:Pestic. Biochem. Physiol., Volume:82, Issue:3, Pages:197-204, Year:2005, Report No.: M-458577-01-1, Edition Number: M-458577-01-1 Date: 2005-12-31 No GLP Published ...also filed: KCA 7.1.2.1.1 /14	N	N	-	published

KCA 6.10.1/01	Lückmann, J.	2013	Ethofumesate - exposure of honeybees to residues in nectar, pollen and guttation fluid in sugar and fodder beets United Phosphorus Ltd., P13096 RIFCon GmbH, Hirschberg, Germany No GLP Unpublished	N	N	-	UPL
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* AgriChem B.V. is part of United Phosphorus Ltd since 2012. Studies performed for Agichem B.V. are therefore now fully owned by United Phosphorus Ltd

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	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
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List of data relied on and not submitted by the applicant but necessary for evaluation

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