

Section A8 Measures necessary to protect man, animals and the environment

8.1 Recommended methods and precautions concerning handling, use, storage, transport or fire

A Safety Data Sheet is enclosed in appendices of Document I.1

Hazard identification:	Health hazards	Harmful if swallowed.
	Environmental hazards	Slight

Handling and storage:

Store the product in closed original containers, protect from light and humidity and from temperatures below -10°C and above 35°C. Avoid leaving any product leftovers on or at the side of containers.

Store separate from food, feed and stimulants.

Transport information:

Use unbreakable containers, make sure they cannot fall, and label in accordance with regulations.

UN number: 3226

- Classification Rail / Road RID / ADR:** Class 4.1 Cipher 36B Kemmler Index 40
CEPIC No. 41G19 Label 4A

Proper shipping name: self-reactive solid type D

Additional information: (thiamethoxam)
- Classification Sea IMDG-Code:** Class 4.1 Page 4168 Packing group II
Label 4A marine pollutant no

Proper shipping name: self-reactive solid type D

Additional information: (thiamethoxam 95%)
- Classification Air ICAO / IATA - DGR:** Class 4.1 Packing group II Label 4A
Loading instructions for passenger aircraft : 429
Max. quantity per packaging for passenger aircraft: 5 kg
Loading instructions for cargo : 430
Max. quantity per packaging for cargo aircraft : 10 kg

Proper shipping name: self-reactive solid type D

Additional information: (thiamethoxam)

Fire:

Extinguishing media: powder, foam, carbon dioxide or waterspray
(do not use direct jet of water)


8.2 In case of fire, nature of reaction products, combustion gases, etc.

Combustion gases: Thiamethoxam contains the elements carbon, hydrogen, chlorine, nitrogen, oxygen and sulfur. In the event of fire the formation of hydrogen cyanide, carbon monoxide, carbon dioxide, hydrochloric acid, phosgene, nitrogen oxides, sulfur

oxides and sulfuric acid must be anticipated. The combustion products are toxic, and irritant.

8.3 Observations on undesirable or unintended side-effects, e.g. on beneficial and other non target organisms.

Effects of concern were not found for thiamethoxam used as wood protection product on sewage organisms or relevant to the food chain were found during the assessment. Please refer to DocIII A section 7.

Evaluation by Competent Authorities	
	EVALUATION BY RAPPORTEUR MEMBER STATE
Date	June 2005
Materials and methods	
Results and discussion	
Conclusion	
Reliability	
Acceptability	
Remarks	

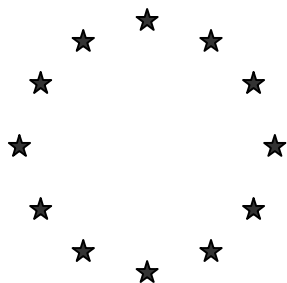
9. CLASIFICATION AND LABELLING

9.1. Proposed classification

Classification	As in 30th ATP Draft Proposal
Class of danger	Xn: harmful N: dangerous for the environment
R-phrases	R22: Harmful if swallowed R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
S-phrases	S46: If swallowed, seek medical advice immediately and show this container or label S60: This material and its container must be disposed of as hazardous waste S61: Avoid release to the environment. Refer to special instructions/Safety data sheets

Because of the high toxicity of the substance, setting specific lower concentration limits for the substance should be considered for both environmental effects when the substance is under discussion for inclusion on Annex I of Directive 67/548/EEC.

COMPETENT AUTHORITY REPORT



THIAMETOXAM (PT 8)

Document III-A

Active Substance

Reference List

Rapporteur Member State: Spain

July 2006

(1) Owner: SCP = Syngenta Crop Protection AG, Basel

Annex point / reference number	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
A3.1.1	Das, R.	1995a	Report on melting point / melting range Ciba-Geigy Munchwilen AG, Munchwilen, Switzerland 35441, 31.08.1995 GLP, not published Syngenta File N° CGA293343/0012	Y	SCP
A3.1.2	Das, R.	1997	Report on boiling point / boiling range Novartis Crop Protection Munchwilen AG, Munchwilen, Switzerland 35442, 18.08.1997 GLP, not published Syngenta File N° CGA293343/0295	Y	SCP
A3.1.3	Fuldner, H.	1995	Report on density of solids Ciba-Geigy Ltd., Basel, Switzerland PP-95-53P-DES, 22.12.1995 GLP, not published Syngenta File N° CGA293343/0030	Y	SCP
A3.2	Geoffroy, A.	1995	Report on vapour pressure curve Ciba-Geigy Ltd., Basel, Switzerland PP-95-53P-VPC, 22.12.1995 GLP, not published Syngenta File N° CGA293343/0029	Y	SCP
A3.2.1	Burkhard, N.	1996	Henry`s law constant Novartis Crop Protection AG, Basel, Switzerland 4.9.1996 Syngenta File N° CGA293343/0086	Y	SCP
A3.3.1/01 A3.3.2/01 A3.3.3/01	Das, R.	1995b	Report on general physico-chemical properties (pure active ingredient) Ciba-Geigy Munchwilen AG, Munchwilen, Switzerland 35446, 23.11.1995 GLP, not published Syngenta File N° CGA293343/0022	Y	SCP
A3.3.1/02 A3.3.2/02 A3.3.3/02	Das, R.	1998	Report on general physico-chemical properties (technical grade active ingredient) Novartis Crop Protection Munchwilen AG, Munchwilen, Switzerland 58210, 30.01.1998 GLP, not published Syngenta File N° CGA293343/0404	Y	SCP
A3.4.1 A3.4.2 A3.4.3 A3.4.4/01	Birk, R.	1995	Report on spectra Novartis Crop Protection Munchwilen AG, Munchwilen, Switzerland 32388, 13.11.1995 GLP, not published Syngenta File N° CGA293343/0423	Y	SCP
A3.4.4/02	Birk, R.	1998	Report on 13C-NMR spectrum Novartis Crop Protection Munchwilen AG, Munchwilen, Switzerland 63934, 27.07.1998 GLP, not published Syngenta File N° CGA293343/0677	Y	SCP
A3.5	Stulz,, J.	1995a	Report on water solubility Ciba-Geigy Munchwilen AG, Munchwilen, Switzerland 35444, 01.12.1995 GLP, not published Syngenta File N° CGA293343/0025	Y	SCP
A3.6	Stulz, J.	1995b	Report on dissociation constant in water Ciba-Geigy Munchwilen AG, Munchwilen, Switzerland 38123, 13.12.1995 GLP, not published Syngenta File N° CGA293343/0026	Y	SCP
A3.7	Stulz, J.	1998	Report on solubility in organic solvents Novartis Crop Protection Munchwilen AG, Munchwilen, Switzerland 58212, 24.02.1998	Y	SCP

Annex point / reference number	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
A 3.9	Stulz, J.	1995c	GLP, not published Syngenta File N° CGA293343/0479 Report on octanol/water partition coefficient Ciba-Geigy Mönchwilten AG, Mönchwilten, Switzerland 36610, 23.11.1995	Y	SCP
A3.10	Angly, H.	1998a	GLP, not published Syngenta File N° CGA293343/0021 Screening test for thermal stability and stability in air Institute of Safety and Security, Basel, Switzerland 98.4009.TSA, 25.02.1998	Y	SCP
A3.11/01	Angly, H.	1998b	GLP, not published Syngenta File N° CGA293343/0457 Flammability of solids Institute of Safety and Security, Basel, Switzerland 98.4009.FLS, 25.02.1998	Y	SCP
A3.11/02	Angly, H.	1998c	GLP, not published Syngenta File N° CGA293343/0458 Relative self-ignition temperature for solids Institute of Safety and Security, Basel, Switzerland 98.4009.AFS, 25.02.1998	Y	SCP
A3.13	Hörmann, A.	1998	GLP, not published Syngenta File N° CGA293343/0460 Report on surface tension Novartis Services AG, Basel, Switzerland PP-98/21T.SUR, 20.03.1998	Y	SCP
A3.15	Angly, H.	1998d	GLP, not published Syngenta File N° CGA293343/0504 Explosive properties Institute of Safety and Security, Basel, Switzerland 98.4009.EXP, 25.02.1998	Y	SCP
A3.16	Angly, H.	1998e	GLP, not published Syngenta File N° CGA293343/0459 Oxidizing properties of solids Institute of Safety and Security, Basel, Switzerland 98.4009.OXP, 25.02.1998 GLP, not published Syngenta File N° CGA293343/0461	Y	SCP

(1) Owner: SCP = Syngenta Crop Protection AG, Basel

Annex point / reference number	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
A4.1 / 01	Düll, B.	2003a	Determination of content by HPLC Syngenta Crop Protection Münchwilen AG, Münchwilen, Switzerland SA-1/1, 21.02.2003 not GLP, not published Syngenta File N° CGA293343/1694	Y	SCP
A4.1 / 02	Düll, B.	2003b	Validation of analytical method SA-1/1 Syngenta Crop Protection Münchwilen AG, Münchwilen, Switzerland 110033, 24.03.2003 GLP, not published Syngenta File N° CGA293343/1709	Y	SCP
A4.2/01	Mair, P.	1998a	Determination of CGA 293343 and CGA 322704 by HPLC, Plant Material, Soil - Validated Method Novartis Crop Protection AG, Basel, Switzerland REM 179.03, 06.05.1998 GLP, not published Syngenta File N° CGA293343/0206	Y	SCP
A4.2/02	Giannone, C.	1998	Validation of Method REM 179.03 - Summary of results of fortified specimens of representative plant materials and soil analyzed according to REM 179.03 Novartis Crop Protection AG, Basel, Switzerland 503/98, 21.07.1998 GLP, not published Syngenta File N° CGA293343/0514	Y	SCP
A4.2/03	Tribolet, R.	1997a	Determination of CGA 293343 by high performance liquid chromatography, Air Novartis Crop Protection AG, Basel, Switzerland REM 179.04, 20.10.1997 GLP, not published Syngenta File N° CGA293343/0343	Y	SCP
A4.2/04	Tribolet, R.	1997b	Validation of Method REM 179.04 by Analyses of Fortified Air Sampling Tubes for CGA 293343 and Evaluation of Recoveries Novartis Crop Protection AG, Basel, Switzerland 178/97, 20.10.1997 GLP, not published Syngenta File N° CGA293343/0344	Y	SCP
A4.2/05	Mair, P.	1997a	Determination of CGA 293343 and CGA 322704 by HPLC, Potable Water Novartis Crop Protection AG, Basel, Switzerland REM 179.05, 02.12.1997 GLP, not published Syngenta File N° CGA293343/0389	Y	SCP
A4.2/06	Mair, P.	1997b	Validation of Method REM 179.05: Validation by Analysis of Fortified Specimens and Determination of Recoveries Novartis Crop Protection AG, Basel, Switzerland 181/97, 16.12.1997 GLP, not published Syngenta File N° CGA293343/0390	Y	SCP
A4.2/07	Mair, P.	1998b	Validation of Method REM 179.05 for the Use with Surface Water Novartis Crop Protection AG, Basel, Switzerland 106/98, 11.09.1998 GLP, not published Syngenta File N° CGA293343/0697	Y	SCP
A4.2/08	Campbell, D.D.	1998	Analytical method for the determination of residues of CGA 293343 and the metabolite CGA 322704 in animal and crop substrates by high performance liquid chromatography with detection by UV and mass spectrometry, including validation data	Y	SCP

Annex point / reference number	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
A4.2/09	Crawford, C.J.	1998	Novartis Crop Protection Inc., Greensboro, United States AG-675, 18.09.1998 GLP, not published Syngenta File N° CGA293343/0820 Independent Laboratory Validation of Method AG-675, for the Determination Of Residues of CGA-293343 and the Metabolite CGA-322704 in Animal and Crop Substrates Ricerca, LLC, Concord, United States 7693-98-0174-CR-001, 11.11.1998 GLP, not published Syngenta File N° CGA293343/0847	Y	SCP

(1) Owner: SCP = Syngenta Crop Protection AG, Basel

Annex point / reference number	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
A6.1.1/01	[REDACTED]	1996a	CGA 293343 tech. - An acute oral toxicity study of CGA 293343 tech. in rats. [REDACTED] B-3120 / CG 942111, 23.05.1996 GLP, not published Syngenta File N° CGA293343/0054	Y	SCP
A6.1.1/02	[REDACTED]	1996b	CGA 293343 tech. - An acute oral toxicity study of CGA 292343 tech. in mice. [REDACTED] B-3122 / CG 952058, 23.05.1996 GLP, not published Syngenta File N° CGA293343/0055	Y	SCP
A6.1.1/03	[REDACTED]	1998a	CGA 322704 tech. (Metabolite of CGA 293343) - Acute oral toxicity in the rat. [REDACTED] 982001, 28.04.1998 GLP, not published Syngenta File N° CGA322704/0013		SCP
A6.1.1/04	[REDACTED]	1998b	NOA 407475 tech. (Metabolite of CGA 293343) - Acute oral toxicity in the rat. [REDACTED] 982013, 28.04.1998 GLP, not published Syngenta File N° NOA407475/0001		SCP
A6.1.2/01	[REDACTED]	1996c	CGA 293343 tech. - An acute dermal toxicity study of CGA 293343 tech. in rats. [REDACTED] B-3121 / CG 942112, 23.05.1996 GLP, not published Syngenta File N° CGA293343/0053	Y	SCP
A6.1.3	[REDACTED]	1996	CGA 293343 tech. - Acute inhalation toxicity study in rats. [REDACTED] IET 95-0120, 14.08.1996 GLP, not published Syngenta File N° CGA293343/0084	Y	SCP
A6.1.4/01	[REDACTED]	1996a	CGA 293343 tech. - A primary skin irritation study of CGA 293343 tech. in rabbits. [REDACTED] B-3124 / CG 942113, 31.05.1996 GLP, not published Syngenta File N° CGA293343/0056	Y	SCP
A6.1.4/02	[REDACTED]	1996b	CGA 293343 tech. - A primary eye irritation study of CGA 293343 tech. in rabbits. [REDACTED] B-3123 / CG 942114, 31.05.1996 GLP, not published Syngenta File N° CGA293343/0057	Y	SCP
A6.1.5	[REDACTED]	1995	CGA 293343 tech. - Skin sensitization test in the Guinea pig - Maximization test. [REDACTED] 942115, 21.12.1995 GLP, not published Syngenta File N° CGA293343/0027	Y	SCP
A6.2/01	[REDACTED]	1996	Absorption, distribution, and excretion of [Thiazol-2-14C] and [Oxadiazin-4-14C] CGA 293343 in the rat. [REDACTED] 11/96, 15.08.1996 GLP, not published Syngenta File N° CGA293343/0105	Y	SCP
A6.2/02	[REDACTED]	2002a	Dermal absorption of [Oxadiazin-4-14C] CGA 293343 formulated as [REDACTED] in the rat (in vivo)	Y	SCP

Annex point / reference number	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
A6.2/03	[REDACTED]	2002b	027AM12, 11.04.2002 GLP, not published Syngenta File N° CGA293343/1464 The percutaneous penetration of [Oxadiazin-4-14C] CGA 293343 formulated as [REDACTED] through rat and human split-thickness skin membranes (in vitro)	Y	SCP
A6.2/04	[REDACTED]	1998	027AM11, 26.04.2002 GLP, not published Syngenta File N° CGA293343/1469 The metabolism of [Thiazol-2-14C] and [Oxadiazin-4-14C] CGA 293343 in the rat.	Y	SCP
A6.2/05	[REDACTED]	1998b	027AM02, 18.09.1998 GLP, not published Syngenta File N° CGA293343/0717 The metabolism of [Thiazol-2-14C] CGA 293343 after multiple oral administration to mice.	Y	SCP
A6.2/06	[REDACTED]	1999	027AM09, 03.11.1998 GLP, not published Syngenta File N° CGA293343/0800 The metabolism of [Thiazol-2-14C] CGA 293343 in the after multiple oral administration to mice – further identification of metabolites – Status Report	Y	SCP
A6.3.1/01	[REDACTED]	1996a	027AM09, 10.11.1999 GLP, not published Syngenta File N° CGA293343/1204 CGA 293343 tech. – 28-day range finding toxicity study in Beagle dogs.	Y	SCP
A6.3.1/02	[REDACTED]	1995	942106, 19.06.1996 GLP, not published Syngenta File N° CGA293343/0063 CGA 293343 tech. - 28-Days range finding study in rats (administration in food).	Y	SCP
A6.4.1/01	[REDACTED]	1996b	942088, 05.05.1995 not GLP, not published Syngenta File N° CGA293343/0006 CGA 293343 tech. - 3-Month subchronic dietary toxicity study in Beagle dogs.	Y	SCP
A6.5.	[REDACTED]	1998	942107, 15.10.1996 GLP, not published Syngenta File N° CGA293343/0115 CGA 293343 tech. - 12-Month chronic dietary toxicity study in Beagle dogs	Y	SCP
A6.4.1/02	[REDACTED]	1996a	942108, 22.07.1998 GLP, not published Syngenta File N° CGA293343/0628 CGA 293343 tech. - 3-Month oral toxicity study in rats (administration in food).	Y	SCP
A6.4.1/03	[REDACTED]	1996b	942089, 23.01.1996 GLP, not published Syngenta File N° CGA293343/0033 CGA 293343 tech. - 3-Month range finding toxicity study in mice (administration in food).	Y	SCP

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A6.4.2/01		1996	942105, 13.08.1996 GLP, not published Syngenta File N° CGA293343/0085 CGA 293343 tech. - 28-Day repeated dose dermal toxicity study in the rat.	Y	SCP
A6.6.1/01	Hertner, Th.	1995a	942116, 08.10.1996 GLP, not published Syngenta File N° CGA293343/0112 CGA 293343 tech. - Salmonella and escherichia/mammalian-microsome mutagenicity test. Ciba-Geigy Ltd., Basel, Switzerland 952014, 02.11.1995	Y	SCP
A6.6.1/02	Deperade, E.	1999	GLP, not published Syngenta File N° CGA293343/0024 CGA 293343 tech. - Salmonella/mammalian-microsome mutagenicity test Novartis Crop Protection AG, Basel, Switzerland 992020, 21.10.1999	Y	
A6.6.1/03	Deperade, E.	1998a	GLP, not published Syngenta File N° CGA293343/1127 CGA 322704 tech. (Metabolite of CGA 293343) - Salmonella and escherichia/mammalian-microsome mutagenicity test. Novartis Crop Protection AG, Basel, Switzerland 982002, 31.03.1998 (Amendment 1, 05.11.2003)		SCP
A6.6.1/04	Deperade, E.	1998b	GLP, not published Syngenta File N° CGA322704/0012 and CGA322704/0022 NOA 407475 tech. (Metabolite of CGA 293343) - Salmonella and escherichia/mammalian-microsome mutagenicity test. Novartis Crop Protection AG, Basel, Switzerland 982014, 09.06.1998		SCP
A6.6.2	Zeugin, S.	1996	GLP, not published Syngenta File N° NOA407475/0002 CGA 293343 tech. - Cytogenetic test on Chinese hamster cells in vitro. Ciba-Geigy Basel, Genetische Toxikologie, Basel, Switzerland 952016, 18.06.1996	Y	SCP
A6.6.3/01	Ogorek, B.	1996a	GLP, not published Syngenta File N° CGA293343/0062 CGA 293343 tech. - Gene mutation test with Chinese hamster cells V79. Ciba-Geigy Ltd., Basel, Switzerland 952015, 12.01.1996	Y	SCP
A6.6.3/02	Ogorek, B.	1996b	GLP, not published Syngenta File N° CGA293343/0032 CGA 293343 tech. - Autoradiographic DNA repair test on rat hepatocytes (OECD conform) in vitro. Ciba-Geigy Basel, Genetische Toxikologie, Basel, Switzerland 952017, 29.01.1996	Y	SCP
A6.6.3/03	Ogorek, B.	2000	GLP, not published Syngenta File N° CGA293343/0038 CGA 293343 tech. - Autoradiographic DNA repair test on mouse hepatocytes (OECD conform) in vitro Novartis Crop Protection AG, Basel, Switzerland 992066, 14.04.2000	Y	SCP
A6.6.4		1995b	GLP, not published Syngenta File N° CGA293343/1195 CGA 293343 tech. - Micronucleus test, mouse.	Y	SCP

Annex point / reference number	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
A6.7/01	[REDACTED]	1998a	Syngenta File N° CGA293343/0028 CGA 293343 tech. - 18-Month oncogenicity study in mice. [REDACTED] 942109, 02.06.1998 GLP, not published	Y	SCP
A6.7/02	[REDACTED]	1998b	Syngenta File N° CGA293343/0538 CGA 293343 tech. - 24-Month carcinogenicity and chronic toxicity study in rats." [REDACTED] 942110, 27.07.1998 GLP, not published	Y	SCP
A6.8.1/01	[REDACTED]	1996a	Syngenta File N° CGA293343/0652 CGA 293343 tech. - Rat oral teratogenicity. [REDACTED] 942118, 07.08.1996 GLP, not published	Y	SCP
A6.8.1/02	[REDACTED]	1996b	Syngenta File N° CGA293343/0082 CGA 293343 tech. - Rabbit oral teratogenicity. [REDACTED] 942119, 13.08.1996 GLP, not published	Y	SCP
A6.8.2/01	[REDACTED]	1998	Syngenta File N° CGA293343/0083 CGA 293343 tech. - Rat dietary two-generation reproduction study. [REDACTED] 942121, 20.07.1998 GLP, not published	Y	SCP
A6.8.2/02a,b	[REDACTED]	1999	Syngenta File N° CGA293343/0626 CGA 293343 tech. - Rat dietary two-generation reproduction study. Amendment 4 and 5 [REDACTED] 942121, 26.07.1999 and 25.08.1999 GLP, not published	Y	SCP
A6.8.2/02c	[REDACTED]	1999	Syngenta File N° CGA293343/1096 and CGA293343/1110 CGA 293343: Novartis Crop Protection study No. 942121 a two generation reproduction study in rats. A histopathological review of testes and expert opinion [REDACTED] 942121, 03.08.1999 GLP, not published	Y	SCP
A6.8.2/03	[REDACTED]	2000	Syngenta File N° CGA293343/1109 Morphometric assessment of thymic atrophy in F1 females of a two-generation reproduction study in the rat with CGA 293343 tech. [REDACTED] CB 00/18, 25.02.2000 GLP, not published	Y	SCP
A6.8.2/04	Chapin, R.E. Filler, R.S. Gulati, D. et, al.	1992	Syngenta File N° CGA293343/1187 Methods for assessing rat sperm motility. Reproductive Toxicology, Vol. 6 PP. 267-273 1992 01.01.1992 published	N	
A6.10/01	[REDACTED]	1995	Syngenta File N° CGA293343/0859 CGA 293343 tech. - Assessment of replicative DNA synthesis in the course of a 28-days oral (feeding) toxicity study in male rats. [REDACTED] CB 94/47, 27.02.1995 GLP, not published	Y	SCP
A6.10/02	[REDACTED]	1997	Syngenta File N° CGA293343/0005 The effects of CGA 293343 tech. and CGA 256084 in primary cultured rat and mouse hepatocytes.	Y	SCP

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			██ CB 97/36, 20.11.1997 GLP, not published Syngenta File N° CGA293343/0383		
A6.10/03	██████████	1998	CGA 293343 tech. - Effects on biochemical parameters in the liver following administration to male and female mice. ██	Y	SCP
A6.10/04	██████████	1998	██ CB 98/11, 15.09.1998 GLP, not published Syngenta File N° CGA293343/0719	Y	SCP
A6.10/05	██████████	1999a	CGA 293343 tech. - Assessment of hepatic cell proliferation in mice. ██ CB 98/12, 24.09.1998 GLP, not published Syngenta File N° CGA293343/0718	Y	SCP
A6.10/06	██████████	1999b	Histochemical assessment of hepatic apoptosis upon treatment of male mice with CGA 293343 tech. (Thiamethoxam) for up to 9 months. ██ CB 99/57, 06.12.1999 not GLP, not published Syngenta File N° CGA293343/1152	Y	SCP
A6.10/07	██████████	2000a	Histopathologic evaluation of the liver of male mice upon treatment with a single high dose of CGA 293343 tech. (Thiamethoxam) ██ CB 99/60, 17.12.1999 not GLP, not published Syngenta File N° CGA293343/1168	Y	SCP
A6.10/08	██████████	2000b	Immunohistochemical assessment of a2U-Globulin in the rat kidney upon administration of CGA 293343 for 28 days ██ CB 00/16, 03.07.2000 not GLP, not published Syngenta File N° CGA293343/1231	Y	SCP
A6.10/09	██████████	2000c	Immunohistochemical assessment of a2U-Globulin in the rat kidney upon administration of CGA 293343 for 3 months ██ CB 99/55, 03.07.2000 not GLP, not published Syngenta File N° CGA293343/1232	Y	SCP
A6.10/10	██████████	2000d	Immunohistochemical assessment of a2U-Globulin in the rat kidney upon administration of CGA 293343 for 12 months ██ CB 00/14, 03.07.2000 not GLP, not published Syngenta File N° CGA293343/1233	Y	SCP
A6.10/11	Butterworth, BE. Conolly, RB. Morgan, KT.	1995	Immunohistochemical assessment of a2U-Globulin in the rat kidney upon administration of CGA 293343 for 24 months ██ CB 00/15, 03.07.2000 not GLP, not published Syngenta File N° CGA293343/1234	Y	SCP
A6.10/12	Grasso, P. Hinton, R.H.	1990	A strategy for establishing mode of action of chemical carcinogens as a guide for approaches to risk assessments. Cancer Lett 93:129-146 (1995) 12.04.1995 published Syngenta File N° CGA293343/0803	N	
			Evidence for and possible mechanisms of non-genotoxic carcinogenesis in rodent liver. Mutation Research, 248 (1991) 271-290	N	

Annex point / reference number	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
A6.10/13	Carmichael, NG. Enzmann, H. Pate, I. Waechter, F.	1997	25.10.1990 published Syngenta File N° CGA293343/0772 The significance of mouse liver tumor formation for carcinogenic risk assessment: Results and conclusions from a survey of ten years of testing by the agrochemical industry. Environ Health Perspec 105:1196-1203 (1997) 01.11.1997 published Syngenta File N° CGA293343/0804	N	
A6.10/14	Purchase, I.F.H.	1994	Current knowledge of mechanisms of carcinogenicity: Genotoxins versus non-genotoxins Human & Experimental toxicology (1994), 13, 17-28 01.01.1994 published Syngenta File N° CGA293343/0774	N	
A6.10/15	Whysner, J. Ross, P.M. Williams, G.M.	1996	Phenobarbital mechanistic data and risk assessment: Enzyme induction, enhanced cell proliferation, and tumor promotion. Pharmacol. Ther. Vol 71, Nos 1/2 153-191 (1996) 01.01.1996 published Syngenta File N° CGA293343/0781	N	
A6.10/16	McConnell E., E. Popp, JA. Slaga, TJ. Ward, JM. Pitot, HC eds.	1990	Mouse liver tumors: The problem. in: Mouse liver carcinogenesis: Mechanisms and species comparisons. New York: Wiley-Liss, 1990 01.01.1990 published Syngenta File N° CGA293343/0808	N	
A6.10/17	Olin, SS. ed.	1991	Meeting summary. Third workshop on mouse liver tumors, ILSI Health and Environmental Sciences Institute. Arlington, VA, October 29-30, 1991. Washington, DC: ILSI Risk Sciences Institute, 1991. 30.10.1991 published Syngenta File N° CGA293343/0809	N	
A6.10/18	Velazquez, S.F. Schoeny, R. Rice, G.E. Cogliano, V.J.	1996	Cancer risk assessment, Historical perspectives current issues, and future directions. Drug and chemical toxicology 19(3) 161-185 (1996) 01.01.1996 published Syngenta File N° CGA293343/0860	N	
A6.10/19	Beasley, RP.	1988	Hepatitis B virus. The major etiology of hepatocellular carcinoma. Cancer 61:1942-1956 (1988) 15.05.1988 published Syngenta File N° CGA293343/0802	N	
A6.10/20	Wright, T.L. Venook, A.P. Millward-Sadler, G.H.	1992	Hepatic Tumours. Chapter 39 11.11.1998 published Syngenta File N° CGA293343/0861	N	
A6.10/21	Mazzanti, R. Monsacchi, L. Gentilini, P.	1994	Epidemiology and natural history of hepatocellular carcinoma. Trends in Exp Clin Med 4:161-171 (1994) 01.01.1994 published Syngenta File N° CGA293343/0806	N	
A6.10/22	Okuda, K. Nakashima, T. Kojirjo, M. Kondo, Y. Wada, K.	1989	Hepatocellular carcinoma without cirrhosis in Japanese patients. Gastroenterology 1989, 97:140: 140-6 01.01.1989 published Syngenta File N° CGA293343/0863	N	

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A6.10/23	Simonetti, R.G. Camma, C. Fiorello, F. et, al.	1991	Hepatocellular carcinoma - A worldwide problem and the major risk factors. Digestive Diseases and Sciences, Vol. 36, No.7 (July 1991) pp. 962-972 01.07.1991 published Syngenta File N° CGA293343/0862	N	
A6.10/24	McClain, RM. Popp, JA. Slaga, TJ. Ward, JM. Pitot, HC. eds.	1990	Mouse liver tumors and microsomal enzyme-inducing drugs: Experimental and clinical perspectives with phenobarbital. In: Mouse liver carcinogenesis: Mechanisms and species comparisons. New York: Wiley-Liss, 1990 01.01.1990 published Syngenta File N° CGA293343/0807	N	

(1) Owner: SYN = Syngenta Crop Protection AG, Basel

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A7.1.1.1.1/01	Clark, A.	1998	Hydrolysis of 2-14C-thiazolyl laboratory Ciba-Geigy Corp., Greensboro, United States ABR-96106, GLP, not Syngenta File N° CGA293343/0753	CGA 293343 under laboratory conditions 17.09.1998 published	Y SCP
A7.1.1.1.1/02	Lowery, E.	1997	Hydrolysis of 14C-Guanidine-CGA laboratory Ciba-Geigy Corp., Greensboro, United States ABR-97013, GLP, not Syngenta File N° CGA293343/0373	CGA 293343 under laboratory conditions 03.11.1997 published	Y SCP
A7.1.1.1.1/03	Ulbrich, R.	1999	Hydrolysis of 14C-labelled Novartis Crop Protection AG, Basel, Switzerland 98UL03, GLP, not Syngenta File N° CGA322704/0020	CGA 322704 under laboratory conditions 19.02.1999 published	Y SCP
A7.1.1.1.2/01	Zetzsch, C.	1997	Quantum yield of the Photochemical degradation of 293343 in aqueous solution ITA Fraunhofer-Inst., Hannover, Germany 11G97014, GLP, not Syngenta File N° CGA293343/0469	CGA 293343 in aqueous solution 12.09.1997 published	Y SCP
A7.1.1.1.2/02	Rüdel, H.	1998	Quantum yield of the photochemical degradation of 322704 ITA Fraunhofer-Inst., Hannover, Germany NOV-001/7-21, GLP, not Syngenta File N° CGA322704/0018	CGA 322704 10.11.1998 published	Y SCP
A7.1.1.1.2/03	Schwartz, B.	1998	Photodegradation of 14C-Thiazolyl-CGA buffered solution under artificial light Novartis Crop Protection Inc., Greensboro, United States ABR-98091, GLP, not Syngenta File N° CGA293343/0798	CGA 293343 in pH 5 buffered solution under artificial light 27.10.1998 published	Y SCP
A7.1.1.1.2/04	Sparrow, K.	1997	Final report: Photodegradation of 14C-[Guanidine]-CGA 293343 in pH 5 buffered solution under artificial light Ciba-Geigy Corp., Greensboro, United States	CGA 293343 in pH 5 buffered solution under artificial light	Y SCP

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			ABR-97023, GLP, not Syngenta File N° CGA293343/0375	27.10.1997 published	
A7.1.1.2.1	Grade, R.	1996	Report on the test for ready biodegradability of CGA 293343 tech. in the carbondioxide evolution test Ciba-Geigy Ltd., Basel, Switzerland 95G001, GLP, not Syngenta File N° CGA293343/0031	Y published	SCP
A7.1.2.2.1/01	Adam, D.	1997	Paddy soil metabolism of 14C-Thiazolring labeled CGA 293343 under laboratory conditions Novartis Crop Protection AG, Basel, Switzerland 95DA04, GLP, not Syngenta File N° CGA293343/0452	Y published	SCP
A7.1.2.2.1/02	Adam, D.	1998	Paddy soil metabolism of 14C-Oxadiazinring labeled CGA 293343 under laboratory conditions Novartis Crop Protection AG, Basel, Switzerland 95DA05, GLP, not Syngenta File N° CGA293343/0402	Y published	SCP
A7.1.2.2.2/01	Adam, D.	1998	Degradation and metabolism of 14C-oxadiazinring labeled CGA 293343 in two aerobic aquatic systems under laboratory conditions Novartis Crop Protection AG, Basel, Switzerland 96DA02, GLP, not Syngenta File N° CGA293343/0436	Y published	SCP
A7.1.2.2.2/02	Adam, D.	1998	Degradation and metabolism of 14C-thiazolring labeled CGA 293343 in two aerobic aquatic systems under laboratory conditions Novartis Crop Protection AG, Basel, Switzerland 96DA01, GLP, not Syngenta File N° CGA293343/0401	Y published	SCP
A7.2.2.1/01	Phaff, R.	1997	Rate of degradation of CGA 293343 in soil under various conditions Ciba-Geigy Ltd., Basel, Switzerland 95RP03, GLP, not published	Y published	SCP

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A7.2.2.1/02	Adam, D.	1996	Syngenta File N° CGA293343/0098 Degradation of 14C-Thiazolring labelled CGA 293343 in various soils under laboratory conditions Ciba-Geigy Ltd., Basel, Switzerland 95DA03, 17.12.1996 GLP, not published	Y	SCP
A7.2.2.1/02a	Ellgehausen, H.	1998	Syngenta File N° CGA293343/0141 Calculation of adsorption constants of soil metabolite CGA 322704 Novartis Crop Protection AG, Basel, Switzerland 98EH04, 06.10.1998 GLP, not published	Y	SCP
A7.2.2.1/03	Dixon, B.	1998	Syngenta File N° CGA322704/0015 Aerobic soil metabolism of (14C-thiazole) CGA 293343 Novartis Crop Protection Inc., Greensboro, United States 505-95, 16.03.1998 GLP, not published	Y	SCP
A7.2.2.1/04	Schwartz, B.	1998	Syngenta File N° CGA293343/0478 Final report: Aerobic soil metabolism of 14C-(guanidine) CGA 293343 Novartis Crop Protection Inc., Greensboro, United States 504-95, 03.03.1998 GLP, not published	Y	SCP
A7.2.2.1/05	Cruz, S.M.	1998	Syngenta File N° CGA293343/0453 Metabolism of 14C-guanidine CGA 293343 in viable and sterile clay loam soil under aerobic conditions Novartis Crop Protection Inc., Greensboro, United States 148-97, 18.09.1998 GLP, not published	Y	SCP
A7.2.1/06	Adam, D.	1999	Syngenta File N° CGA293343/0752 Degradation of 14C-Thiazole labelled CGA 322704 in Schwaderloch soil under aerobic conditions at 20°C Novartis Crop Protection AG, Basel, Switzerland 99DA06, 18.11.1999 GLP, not published	Y	SCP
A7.2.2.1/07	Reischmann, F.J.	2002	Syngenta File N° CGA322704/0024 Rate of degradation of [Thiazole-2-14C] labelled NOA 459602 in three soils under aerobic laboratory conditions at 20 degreed C Syngenta Crop Protection AG, Basel, Switzerland	Y	SCP

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			01RF03, GLP, not Syngenta File N° NOA459602/0020	09.09.2002 published	
A7.2.2.2/01	Pointurier, R.	1998	Residue study with CGA 293343 in or on soil in south of France ADME - Bioanalyses, Aigues-Vives, France 9731003, GLP, not Syngenta File N° CGA293343/0746	Y 30.09.1998 published	SCP
A7.2.2.2/02	Smith, J.A.	1998	Determination of residues of CGA 293343 and the metabolite CGA 322704 in soil Novartis Agro GmbH, Frankfurt, Germany GB 66197, GLP, not Syngenta File N° CGA293343/0750	Y 29.09.1998 published	SCP
A7.2.2.4/01	Sparrow, K.	1997	Photodegradation of 14C-Thiazolyl-CGA 293343 on soil under artificial light Novartis Crop Protection Inc., Greensboro, United States ABR-97011, GLP, not Syngenta File N° CGA293343/0374	Y 07.07.1997 published	SCP
A7.2.2.4/02	Sparrow, K.	1997	Photodegradation of 14C-Guanidine-CGA 293343 on soil under artificial light Novartis Crop Protection Inc., Greensboro, United States ABR-97012, GLP, not Syngenta File N° CGA293343/0376	Y 07.07.1997 published	SCP
A7.2.2.4/03	Clark, A.	1998	Anaerobic aquatic metabolism of 14C-(thiazole) CGA 293343 Novartis Crop Protection Inc., Greensboro, United States 507-95, GLP, not Syngenta File N° CGA293343/0468	Y 13.03.1998 published	SCP
A7.2.2.4/04	Clark, A.	1998	Anaerobic aquatic metabolism of 14C-(guanidine) CGA 293343 Novartis Crop Protection Inc., Greensboro, United States 506-95, GLP, not Syngenta File N° CGA293343/0467	Y 12.03.1998 published	SCP
A7.2.3.1/01	Concha, M.	1998	Soil adsorption / desorption of 14C-guanidine-CGA 293343	Y	SCP

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			by the batch equilibrium method 612W, GLP, not published Syngenta File N° CGA293343/0835	02.11.1998	
A7.2.3.1/02	Keller, A.	1996	Adsorption / desorption of CGA 293343 in various soil types Ciba-Geigy Ltd., Basel, Switzerland 95AK03, GLP, not published Syngenta File N° CGA293343/0078	Y	SCP
A7.2.3.1/03	Peters, J.	2000	Time dependent sorption of technical and of 2SC formulated (Thiazolyl-2-14C)-labeled CGA 293343 in two different soils Novartis Crop Protection Inc., Greensboro, United States 1200-99, GLP, not published Syngenta File N° CGA293343/1214	Y	SCP
A7.2.3.1/04	Peters, J.	2001	Time Dependent Sorption of (Thiazolyl-2- 14C)-Labelled CGA 293343 in Various Soils Syngenta Crop Protection, Inc., Greensboro, United States 200-00, GLP, not published Syngenta File N° CGA293343/1377	Y	SCP
A7.2.3.1/05	Hein, W. Dorn, R.	2001	Adsorption/Desorption of [Oxidiazin-4]-CGA 293343 on Birkenheide Soil SLFA - Neustadt, Neustadt, Germany NOV18, GLP, not published Syngenta File N° CGA293343/1380	Y	SCP
A7.2.3.1/06	Concha, M.	1998	Adsorption / desorption of 14C-thiazole CGA 322704 by the batch equilibrium method Novartis Crop Protection Inc., Greensboro, United States 419-96, GLP, not published Syngenta File N° CGA322704/0019	Y	SCP
A7.2.3.1/07	Hein, W. Dorn, R.	2001	Adsorption/Desorption of [Thiazol-2-14C]-CGA322704 on Birkenheide Soil SLFA - Neustadt, Neustadt, Germany NOV19, GLP, not published	Y	SCP

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A7.2.3.1/08	Phaff, R.	1997	Syngenta File N° CGA322704/0034 Adsorption / desorption of CGA 322704 in various soil types Novartis Crop Protection AG, Basel, Switzerland 96RP06, GLP, not published	Y	SCP
A7.2.3.1/09	Scott, M.	1998	Syngenta File N° CGA322704/0010 Soil adsorption and desorption of Oxadiazinyl-14C-CGA 353042 by the batch equilibrium method Novartis Crop Protection Inc., Greensboro, United States 629-98, GLP, not published	Y	SCP
A7.2.3.1/10	Concha, M. Hathcock, T.	1998	Syngenta File N° CGA353042/0002 Soil adsorption / desorption of 14C-CGA 355190 by the batch equilibrium method 411-97, GLP, not published	Y	SCP
A7.2.3.1/11	Concha, M. Hathcock, T.	1998	Syngenta File N° CGA355190/0005 Soil adsorption and desorption of (Thiazole-2-14C-NOA 404617 by the batch equilibrium method Novartis Crop Protection Inc., Greensboro, United States 721-97, GLP, not published	Y	SCP
A7.2.3.1/12	Peters, J.	1998	Syngenta File N° NOA404617/0001 Soil adsorption and desorption of Thiazolyl-2-14C-NOA 407475 by the batch equilibrium method Novartis Crop Protection Inc., Greensboro, United States 420-98, GLP, not published	Y	SCP
A7.2.3.1/13	Nicollier, G.	2000	Syngenta File N° NOA407475/0012 Adsorption / Desorption of [Thiazol-2- ¹⁴ C]NOA 459602 in Various Soils and Time Dependent Sorption Syngenta Crop Protection AG, Basel, Switzerland 01GN08, GLP, not published	Y	SCP
A7.2.3.1/14	Hein, W.	2001	Syngenta File N° NOA459602/0015 Time Dependent Sorption of [Thiazol-2- 14C]-CGA322704 in Birkenheide Soil SLFA - Neustadt, Neustadt, Germany NOV21, 12.09.2001	Y	SCP

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			GLP, not published Syngenta File N° CGA322704/0036		
A7.2.3.2	Adam, D.	1996	Leaching model study with CGA 293343 in four soils under laboratory Ciba-Geigy Ltd., Basel, Switzerland 95DA02, GLP, not published Syngenta File N° CGA293343/0049	Y	SCP
A7.3.1/01	Adam, D.	1996	Volatilization of 14C-Thiazolring-Labelled CGA 293343 from soil surface under controlled laboratory conditions Ciba-Geigy Ltd., Basel, Switzerland 96DA03, GLP, not published Syngenta File N° CGA293343/0104	Y	SCP
A7.3.1/02	Stamm, E.	1998	Atmospheric oxidation of CGA 293343 by hydroxyl radicals Novartis Crop Protection AG, Basel, Switzerland 98SM10, not GLP, not published Syngenta File N° CGA293343/0477	Y	SCP
A7.4.1.1/01	██████	1996	Acute toxicity test of CGA 293343 tech. to rainbow trout (Oncorhynchus mykiss) in the flow-through system ██ 95R002, GLP, not published Syngenta File N° CGA293343/0036	Y	SCP
A7.4.1.1/02	██████	1997	Acute toxicity test of CGA 293343 tech. to rainbow trout (Oncorhynchus mykiss) under flow-through conditions ██████ ██████████ ██████████ ██████████ ██████████ ██████████ 972548, GLP, not published Syngenta File N° CGA293343/0388	Y	SCP
A7.4.1.1/03	██████ ██████████ ██████████ ████████████████████ ██████	1996	CGA 293343: A 96-hour flow-through acute toxicity test with the bluegill (Lepomis macrochirus) ██ 205-96, GLP, not published Syngenta File N° CGA293343/0145	Y	SCP
A7.4.1.1/04	██████	1997	Acute toxicity test of CGA 322704 (Metabolite of CGA 293343) to rainbow trout (Oncorhynchus mykiss) in the	Y	SCP

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			static [REDACTED] 962527, GLP, not Syngenta File N° CGA322704/0009	system 21.01.1997 published	
A7.4.1.1/05	[REDACTED]	1998	Acute toxicity of CGA 355190 (metabolite of CGA 293343) for Rainbow trout [REDACTED] G 541 04, GLP, not Syngenta File N° CGA355190/0002	Y 29.10.1998 published	SCP
A7.4.1.1/06	[REDACTED]	1998	Acute toxicity of NOA 407475 (metabolite of CGA 293343) to rainbow trout (<i>Oncorhynchus mykiss</i>) in a 96-hour static test [REDACTED] 688781, GLP, not Syngenta File N° NOA407475/0010	Y 14.08.1998 published	SCP
A7.4.1.1/07	[REDACTED]	2002	NOA459602 (Thiamethoxam metabolite): Acute toxicity to rainbow trout (<i>Oncorhynchus mykiss</i>) [REDACTED] BL7243/B, GLP, not Syngenta File N° NOA459602/0016	Y 17.04.2002 published	SCP
A7.4.1.2/01	Neumann, Ch.	1996	Acute toxicity test of CGA 293343 to the cladoceran daphnia magna straus under static conditions Ciba-Geigy Basel, Oekotoxikologie, Basel, Switzerland 95G003, GLP, not Syngenta File N° CGA293343/0043	Y 25.04.1996 published	SCP
A7.4.1.2/02	Knauer, K.	2000	Acute toxicity test of CGA 293343 tech. to the Gammarus sp. under static conditions Novartis Crop Protection AG, Basel, Switzerland 2002614, GLP, not Syngenta File N° CGA293343/1229	Y 10.07.2000 published	SCP
A7.4.1.2/03	Knauer, K.	2000	Acute toxicity test (24h) of CGA 293343 tech. to three invertebrate species <i>Daphnia pulex leydig</i> , <i>Thamnocephalus</i> <i>platyurus</i> , and <i>Brachionus calyciflorus</i> under static	Y	SCP

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			conditions Novartis Crop Protection AG, Basel, Switzerland 2002612, GLP, not published Syngenta File N° CGA293343/1274		
A7.4.1.2/04	Knauer, K.	2000	Acute toxicity test of CGA 293343 tech. to individual invertebrate species and molluscs from a natural pond assemblage under static conditions Novartis Crop Protection AG, Basel, Switzerland 2002642, GLP, not published Syngenta File N° CGA293343/1273	Y	SCP
A7.4.1.2/05	Neumann, Ch.	1997	Acute toxicity test of CGA 322704 (Metabolite of CGA 293343) to the cladoceran Daphnia magna strauss under static conditions Novartis Crop Protection AG, Basel, Switzerland 962528, GLP, not published Syngenta File N° CGA322704/0008	Y	SCP
A7.4.1.2/06	Maetzler, P.	1998	Acute toxicity of CGA 355190 to Daphnia magna (Immobilisation test) Novartis Services AG, Basel, Switzerland G 541 14, GLP, not published Syngenta File N° CGA355190/0003	Y	SCP
A7.4.1.2/07	Seyfried, B.	1998	Acute toxicity of NOA 407475 (metabolite of CGA 293343) to Daphnia magna in a 48-hour immobilization test RCC AG, Itingen, Switzerland 688803, GLP, not published Syngenta File N° NOA407475/0011	Y	SCP
A7.4.1.2/08	Wallace, SJ	2002	NOA459602 (Thiamethoxam metabolite): Acute toxicity to Daphnia magna Brixham Environmental Laboratory, Brixham, United Kingdom BL7244/B, GLP, not published Syngenta File N° NOA459602/0017	Y	SCP
A7.4.1.2/09	Knauer, K.	2000	Acute toxicity test of CGA 293343 tech. to the Ephemeroptera Cloeon sp. under static conditions	Y	SCP

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			Novartis Crop Protection AG, Basel, Switzerland 2002613, GLP, not published Syngenta File N° CGA293343/1228		
A7.4.1.2/10	Mank, M.A. Krueger, H.O.	1998	CGA 293343 technical: a 48-hour static acute toxicity test with the midge (<i>Chironomus riparius</i>) Wildlife International Ltd., Easton, MD, United States 819-98, GLP, not published Syngenta File N° CGA293343/0890	Y	SCP
A7.4.1.3/01	Grade, R.	1996	Growth inhibition test of CGA 293343 tech. to green algae (<i>Selenastrum capricornutum</i>) in a static system Ciba-Geigy Basel, Oekotoxikologie, Basel, Switzerland 95G005, GLP, not published Syngenta File N° CGA293343/0035	Y	SCP
A7.4.1.3/02	Grade, R.	1998	Growth inhibition test of CGA 293343 tech. to green algae (<i>Selenastrum capricornutum</i>) under static conditions Novartis Crop Protection AG, Basel, Switzerland 972549, GLP, not published Syngenta File N° CGA293343/0580	Y	SCP
A7.4.1.3/03	Grade, R.	1997	Growth inhibition test of CGA 322704 (Metabolite of CGA 293343) to green algae (<i>Selenastrum capricornutum</i>) under static conditions Ciba-Geigy Basel, Oekotoxikologie, Basel, Switzerland 962529, GLP, not published Syngenta File N° CGA322704/0007	Y	SCP
A7.4.1.3/04	Maetzler, P.	1998	Toxicity of CGA 355190 to Green algae (Growth inhibition test) Novartis Services AG, Basel, Switzerland G 541 17, GLP, not published Syngenta File N° CGA355190/0004	Y	SCP
A7.4.1.3/05	Seyfried, B.	1998	Toxicity of NOA 407475 (metabolite of CGA 293343) to <i>Scenedesmus subspicatus</i> in a 72-hour algal growth inhibition test RCC AG, Itingen, Switzerland 688825, 14.08.1998	Y	SCP

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			GLP, not published Syngenta File N° NOA407475/0009		
A7.4.1.3/06	Wallace, SJ	2002	NOA459602 (Thiamethoxam metabolite): Toxicity to the Green Alga <i>Selenastrum capricornutum</i> Brixham Environmental Laboratory, Brixham, United Kingdom BL7245/B, 17.04.2002 GLP, not published Syngenta File N° NOA459602/0018	Y	SCP
A7.4.1.4	Grade, R.	1996	Report on the test for activated sludge respiration inhibition of CGA 293343 tech. Ciba-Geigy Basel, Oekotoxikologie, Basel, Switzerland 95G002, 08.01.1996 GLP, not published Syngenta File N° CGA293343/0034	Y	SCP
A 7.4.3./01	Ashwell, J., Dark, R. Emburey, S.	2003	Thiamethoxam [REDACTED] [REDACTED] [REDACTED] Outdoor Microcosm Study to Assess Effects on Aquatic Organisms. Syngenta, Jealott's Hill International Research Centre, Bracknell, Berkshire, UK. Unpublished Report no. RJ3379B (Syngenta File no. CGA293343/1851). Study dates. 15 th April – 19 th September 2002.	Y	SCP
A7.4.3.1	[REDACTED]	1997	Prolonged toxicity test of CGA 293343 tech. to rainbow trout (<i>Oncorhynchus mykiss</i>) in the flow-through system [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] 95R003, 30.07.1997 GLP, not published Syngenta File N° CGA293343/0296	Y	SCP
A7.4.3.2	[REDACTED] [REDACTED] [REDACTED]	1997	CGA 293343: an early life-stage toxicity test with the rainbow trout (<i>Oncorhynchus mykiss</i>) [REDACTED] 322-96, 14.02.1997 GLP, not published Syngenta File N° CGA293343/0205	Y	SCP
A7.4.3.4	Neumann, Ch.	1997	Daphnia magna reproduction test: effects of CGA 293343 on the reproduction of the cladoceran <i>Daphnia magna</i> straus in a semi-static laboratory test Novartis Crop Protection AG, Basel, Switzerland 95G004, 24.09.1997 GLP, not published	Y	SCP

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A7.4.3.5.1/01	Grade, R.	1998	Syngenta File N° CGA293343/0323 Toxicity test of CGA 293343 tech. on sediment-dwelling Chironomus riparius (syn. Chironomus thummi) under static conditions Novartis Crop Protection AG, Basel, Switzerland 972552, GLP, not published	Y	SCP
A7.4.3.5.1/02	Grade, R.	1999	Syngenta File N° CGA293343/0720 Toxicity test of CGA 322704 (Metabolite of CGA 293343) on sediment-dwelling Chironomus riparius (syn. Chironomus thummi) under static conditions Novartis Crop Protection AG, Basel, Switzerland 982581, GLP, not published	Y	SCP
A7.4.3.5.1/03	Grade, R.	2000	Syngenta File N° CGA322704/0021 Toxicity test of NOA 407475 (Metabolite of CGA 293343) on sediment-dwelling Chironomus riparius (syn. Chironomus thummi) under static conditions Novartis Crop Protection AG, Basel, Switzerland 982580, GLP, not published	Y	SCP
A7.4.3.5.1/04	Grade, R	2002	Syngenta File N° NOA407475/0014 Toxicity Test of NOA 459602 (Metabolite of Thiamethoxam) on Sediment-Dwelling Chironomus riparius (syn. Chironomus thummi) under Static Conditions Syngenta Crop Protection AG, Basel, Switzerland 2012671, GLP, not published	Y	SCP
A7.4.3.5.1/05	Smyth, D.V., Brown, R.J., Maynard, S.J.,	2004	Syngenta File N° NOA459602/0009 CGA 322704 (Thiamethoxam metabolite): Toxicity to the sediment dweller <i>Chironomus riparius</i> using spiked water. Brixham Environmental Laboratory, Brixham, Devon, England, Report No.: BL7987/B (Syngenta Project No. 2033605), 2 December 2004 (unpublished).	Y	SCP
A7.4.3.5.2	Grade, R.	1998	Acute toxicity test of CGA 293343 tech. to the duckweed Lemna gibba G3 under semi-static conditions Novartis Crop Protection AG, Basel, Switzerland 972561, GLP, not published	Y	SCP

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A7.5.1.1/01	Bader, U.	1998	Syngenta File N° CGA293343/0595 The effect of CGA 293343 tech. on soil respiration and nitrification Novartis Crop Protection AG, Basel, Switzerland 972515, GLP, not published	Y	SCP
A7.5.1.1/02	Bader, U.	1999	Syngenta File N° CGA293343/0532 The effect of CGA 322704 + CGA 355190 (two Metabolites of CGA 293343) on soil respiration and nitrification Novartis Crop Protection AG, Basel, Switzerland 992668, GLP, not published	Y	
A7.5.1.2/01	Candolfi, M.P.	1995	Syngenta File N° CGA322704/0023 14-day acute toxicity test with the earthworm (Eisenia foetida) Springborn Smithers Laboratories (Europe) AG, Horn, Switzerland 95-065-1008, GLP, not published	Y	SCP
A7.5.1.2/02	Bryan, R.L. et al	1999	Syngenta File N° CGA293343/0023 An Acute toxicity study with the Earthworm in an artificial soil substrate Wildlife International Ltd., Easton, MD, United States 108-417, GLP, not published	Y	SCP
A7.5.1.2/03	Bryan, R.L. et al	1999	Syngenta File N° NOA407475/0013 An Acute toxicity study with the Earthworm in an artificial soil substrate Wildlife International Ltd., Easton, MD, United States 108-425, GLP, not published	Y	SCP
A7.5.1.2/04	Pfeifle, V.	2000	Syngenta File N° CGA355190/0006 Acute toxicity of CGA 355190 to the Earthworm Eisenia fetida Solvias AG, Basel, Switzerland 2002506, GLP, not published	Y	SCP
A7.5.1.2/05	Porch, J.R. et al	2000	Syngenta File N° CGA355190/0007 An acute toxicity study with the Earthworm in an artificial soil substrate	Y	SCP

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			Wildlife International Ltd., Easton, MD, United States 108-418A, GLP, not published Syngenta File N° CGA322704/0026	28.03.2000	
A7.5.1.2/06	Gillham, A M	2002	Acute toxicity (LC50) of the metabolite NOA459602 to the Earthworm (<i>Eisenia fetida</i>) in an artificial soil test Environmental R&D Team, York, United Kingdom JW2401, GLP, not published Syngenta File N° NOA459602/0004	28.02.2002	SCP
A. 7.5.2.1_01	Bätscher, R.	2000	Effects of CGA 322704 (metabolite of CGA 293343) on survival, growth, and reproduction of the earthworm <i>Eisenia fetida</i> RCC Ltd., Report No.: 773976 (Syngenta Project No. 2002615), 9 October 2000 (unpublished).	Y	SCP
7.5.2.1_02	Pease, G. & Webster, D.A.	2004	CGA322704 (A metabolite of CGA293343 (thiamethoxam)): A field study to investigate the forced effect and recovery of earthworm populations following application to a bare field site in Denmark Ecotox Ltd. Tavistock, Devon, England, Report No.: ER-04-KCB 196 (Syngenta Project No. 2033604), 4 November 2004 (unpublished).	Y	SCP
A7.5.3.1.1/02	██████████	1996	CGA 293343 Acute oral toxicity (LD50) to the mallard duck ██████████ ██████████ CBG 745/960013, GLP, not published Syngenta File N° CGA293343/0044	23.04.1996	SCP
A7.5.3.1.1/03	██████████	1998	Acute oral toxicity study in bobwhite quail with CGA 322704 242257, GLP, not published Syngenta File N° CGA322704/0017	07.10.1998	SCP
A7.5.3.1.2/01	██████████	1996	CGA 293343 Subacute dietary toxicity (LC50) to the bobwhite quail ██████████ ██████████ CBG 746/960156, 01.05.1996	Y	SCP

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			GLP, not published		
A7.5.3.1.2/02	[REDACTED]	1996	Syngenta File N° CGA293343/0047 CGA 293343 Subacute dietary toxicity (LC50) to the mallard duck [REDACTED] [REDACTED]	Y	SCP
			CBG 747/960199, 23.04.1996 GLP, not published		
A7.5.3.1.3/01	[REDACTED]	1998	Syngenta File N° CGA293343/0045 The reproductive toxicity test of CGA 293343 technical with the northern bobwhite (<i>Colinus virginianus</i>) [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] 029518, 09.07.1998 GLP, not published	Y	SCP
A7.5.3.1.3/02	[REDACTED]	1998	Syngenta File N° CGA293343/0653 The reproductive toxicity test of CGA 293343 technical with the mallard duck (<i>Anas platyrhynchos</i>) [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] 294-97, 09.11.1998 GLP, not published	Y	SCP
A7.5.4.1/01	Kleiner, R.	1995	Syngenta File N° CGA293343/0889 Testing toxicity to Honeybee - <i>Apis mellifera</i> L. (laboratoy) BioChem GmbH, Cunnersdorf, Germany 95 10 48 045, 25.10.1995 GLP, not published	Y	SCP
A7.5.4.1/02	Nengel, S.	1997	Syngenta File N° CGA293343/0018 Assessment of side effects of CGA 322704 to the honey bee, <i>Apis mellifera</i> L. in the laboratory GAB Biotechnologie GmbH, Niefern, Germany 972512, 14.07.1997 GLP, not published	Y	SCP
A7.5.4.1/03	Grimm, C.	1998	Syngenta File N° CGA322704/0011 Acute toxicity of CGA 293343 [REDACTED] to the predatory ground beetle <i>Poecilus cupreus</i> L. (Coleoptera: Carabidae) Novartis Services AG, Basel, Switzerland 983663, 02.11.1998 GLP, not published	Y	SCP
A7.5.4.1/04	Grimm, C.	1998	Syngenta File N° CGA293343/0876 Acute toxicity of CGA 293343 FS 350 (A 9700 B) to the	Y	SCP

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			rove beetle <i>Aleochara bilineata</i> Gyll. (Coleoptera, Staphylinidae)		
			Novartis Services AG, Basel, Switzerland 983664, GLP, not published Syngenta File N° CGA293343/0877		
A7.5.4.1/05	Reber, B.	2000	Acute Toxicity of CGA 293343 [REDACTED] to larvae of the Predatory ground beetle <i>Poecilus cupreus</i> L. (Coleoptera: Carabidae)	Y	SCP
			Syngenta Crop Protection AG, Basel, Switzerland 2003631, GLP, not published Syngenta File N° CGA293343/1336		
A7.5.4.1/06	Candolfi., M.	1998	Toxicity of CGA 293343 [REDACTED] to <i>Poecilus cupreus</i> L. (Coleoptera: Carabidae) under semi-field conditions	Y	SCP
			Novartis Crop Protection AG, Basel, Switzerland 983772, GLP, not published Syngenta File N° CGA293343/0797		
A7.5.4.1/07	Candolfi., M.	1998	Toxicity of CGA 293343 [REDACTED] to <i>Aleochara bilineata</i> Gyll. (Coleoptera, Staphylinidae) under semi-field conditions	Y	SCP
			Novartis Crop Protection AG, Basel, Switzerland 983771, GLP, not published Syngenta File N° CGA293343/0842		
A7.5.4.1/08	Ruggle, P. Bolsinger, M.	1998	Biological activity of Metabolites of Thiamethoxam CGA 293343 on insects and mites	Y	SCP
			Novartis Crop Protection AG, Basel, Switzerland 95 10 48 045, not GLP, not published Syngenta File N° CGA293343/0894		
A. 7.5.6	Bader, U.	2001	The effects of CGA 322704 (metabolite of thiamethoxam (CGA 293343)) on the decomposition of organic material in a field litterbag test. Syngenta Crop Protection AG, Basel, Switzerland, unpublished report No. 2002619.	Y	SCP
Not indicated	Widmer, H	1996	Vapour Pressure of CGA 322704 Ciba-Geigy Limited		

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			Crop protection Division Product Safety/Chemodynamics CH-4002 Basel, Switzerland 13.11.1996 GLP, not published Project number: 96WI28		
References from Thiamethoxam evaluation following the PPP directive 91/414					
PPP study cod e IIA, 7.1. 1.2. 2/0 2	Mair, P	1996	The report is a brief description of a determination of residues of thiamethoxam and its metabolite CGA 322704 in soil after application as WG25 (field trial).	Y	NCP
PPP study cod e IIA, 7.1. 1.2. 2/ 05a	Mair, P.	1996	Determination of residues of CGA 293343 in potatoes and soil and CGA 322704 in soil after application as [REDACTED] trial Ciba-Geigy Ltd., Basel, Switzerland Study Report No. 1056/95, 20.09.1996, interim report 1.year GLP, not published Novartis File N° 293343- 101	Y	NCP
PPP study cod e IIA, 7.1. 1.2. 2/ 05b	Mair, P.	1997	Determination of residues of CGA 293343 in potatoes and soil and CGA 322704 in soil after application as [REDACTED] field trial Ciba-Geigy Ltd., Basel, Switzerland Study Report No1056/96, 08.07.1997, interim report 2.year GLP, not published Novartis File N° 293343- 101	Y	NCP
PPP study	Mair, P.	1998	Determination of residues of CGA 293343 in potatoes and	Y	NCP

Directive 98/8	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
cod e IIA, 7.1. 1.2. 2/ 05c			soil and CGA 322704 in soil after application field Ciba-Geigy Ltd., Basel, Switzerland Study Report No., 1056/97, 03.04.1998, interim report 3.year GLP, not published Novartis File N° 293343- 101	-	
PPP study cod e IIA, 7.1. 1.2. 2/ 11	Pointurier, R.	1998	Residue study with CGA 293343 in or on soil in north of France ADME Bioanalyses, Aigues-Vives, France Final report No. 9731001, 29.09.1998 GLP, not published Novartis File N° 293343- 747	Y	NCP
PPP study cod e IIA, 7.1. 1.2. 2/ 13	Pointurier, R.	1998	Residue study with CGA 293343 in or on soil in south of France ADME Bioanalyses., Aigues-Vives, France Final report No. 9731002, 1.10.1998 GLP, not published Novartis File N° 293343- 746	Y	NCP
PPP study cod e 7.1. 1.2. 2/1 4	Sandmeier, P,	1997	Field dissipation of CGA 293343 after bareground application of [Thiazol-2-14C] labelled material Novartis Crop Protection AG, Basel, Switzerland Study Report No. 95PSA44PR1, 30.06.1997 GLP, not published Novartis File N° 293343- 237	Y	NCP
PPP study cod e IIA, 7.1. 1.2. 2/ 18	Smith, J.A.	1998	Determination of residues of CGA 293343 and the metabolite CGA 322704 in soil Novartis Agro GmbH, Frankfurt, Germany Final report No. GB 67297, 04.12.1998 GLP, not published Novartis File N° 293343- 751	Y	NCP

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PPP study cod e IIA 7.1. 3.3/ 01	Fent,	1998	Field Lysimeter test Summary in vol III, Chapter 8 page 655		
PPP study cod e: IIA 8.4. 2/0 1 IIIA 10. 6.1. 2/0 1 addendum eco tox (Ja n_2 004) pag e 10 (B. 5.- Eff ects in eart hw orm s)	Ruffli, H	1997	“Chronic toxicity test of CGA 293343 [REDACTED] to earthworms (<i>Eisenia foetida foetida</i>)”.	Y	SCP
	Forster, A., Salaun, F.	2003	“Field study to evaluate the effects of CGA 293343 [REDACTED] [REDACTED] on earthworms in a grass field in Denmark. Ecotox UK LTD. Tavistock, Den England, unpublished report No. KCB 156, Syngenta File CGA 293343/1462		

Other references

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Not nu mb ere d.	Grimm, C	2003	Evaluation of potential side-effects of CGA 293343 [REDACTED] to plant dwelling non-target arthropods on citrus under field conditions. Lab. Study identification 2002697 Report A9584C	Y	SCP
	E. van de Plassche and K. Rasmusse n Editors	2005	Leaching workshop, Arona, Italy, June 2005, document EUR 21878 EN European Chemicals Bureau-Biocides, Institute for Health and Consumer Protection, Joint Research Centre (JRC), European Commission-Directorate General JRC).		
		2003	TNsG on Dossier Preparation including preparation and evaluation of study summaries under Directive 98/8/EC		
	European Chemicals Bureau EU 20418 EN/2	2003	TGD: Technical guidance document on risk assessment in support of Commission Directive 93/67/EEC on risk assessment for new notified substances Commission regulation (EC) No 1488/94 on risk assessment for existing substances Directive 98/8/EC of the European Parliament and of the Council concerning the placing of biocidal products on the market.		

Section \$, Section title (Annex #1, Point \$)

(1) Owner: SYN = Syngenta Crop Protection AG, Basel

Author(s)	Annex point/ reference number	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Adam, D.	A7.1.2.2.1/01	1997	Paddy soil metabolism of 14C-Thiazolring labeled CGA 293343 under laboratory conditions Novartis Crop Protection AG, Basel, Switzerland 95DA04, 15.12.1997 GLP, not published Syngenta File N° CGA293343/0452	Y	SCP

Author(s)	Annex point/ reference number	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Adam, D.	A7.1.2.2.1/02	1998a	Paddy soil metabolism of 14C-Oxadiazinring labeled CGA 293343 under laboratory conditions Novartis Crop Protection AG, Basel, Switzerland 95DA05, 07.01.1998 GLP, not published Syngenta File N° CGA293343/0402	Y	SCP
Adam, D.	A7.1.2.2.2/01	1998b	Degradation and metabolism of 14C-oxadiazinring labeled CGA 293343 in two aerobic aquatic systems under laboratory conditions Novartis Crop Protection AG, Basel, Switzerland 96DA02, 04.02.1998 GLP, not published Syngenta File N° CGA293343/0436	Y	SCP
Adam, D.	A7.1.2.2.2/02	1998c	Degradation and metabolism of 14C-thiazolring labeled CGA 293343 in two aerobic aquatic systems under laboratory conditions Novartis Crop Protection AG, Basel, Switzerland 96DA01, 09.01.1998 GLP, not published Syngenta File N° CGA293343/0401	Y	SCP
Adam, D.	A7.2.2.1/02	1996	Degradation of 14C-Thiazolring labelled CGA 293343 in various soils under laboratory conditions Ciba-Geigy Ltd., Basel, Switzerland 95DA03, 17.12.1996 GLP, not published Syngenta File N° CGA293343/0141	Y	SCP
Adam, D.	A7.2.1/06	1999b	Degradation of 14C-Thiazole labelled CGA 322704 in Schwaderloch soil under aerobic conditions at 20°C Novartis Crop Protection AG, Basel, Switzerland 99DA06, 18.11.1999 GLP, not published Syngenta File N° CGA322704/0024	Y	SCP
Adam, D.	A7.2.3.2	1996	Leaching model study with CGA 293343 in four soils under laboratory conditions Ciba-Geigy Ltd., Basel, Switzerland 95DA02, 10.04.1996 GLP, not published Syngenta File N° CGA293343/0049	Y	SCP
Adam, D.	A7.3.1/01	1996	Volatilization of 14C-Thiazolring-Labelled CGA 293343 from soil surface under controlled laboratory conditions Ciba-Geigy Ltd., Basel, Switzerland 96DA03, 15.08.1996 GLP, not published Syngenta File N° CGA293343/0104	Y	SCP
Ashwell, J., Dark, R. Emburey, S.	A 7.4.3./01	2003	Thiamethoxam ██████████ Outdoor Microcosm Study to Assess Effects on Aquatic Organisms. Syngenta, Jealott's Hill International Research Centre, Bracknell, Berkshire, UK. Unpublished Report no. RJ3379B (Syngenta File no. CGA293343/1851). Study dates. 15 th April – 19 th September 2002.	Y	SCP
Bader, U.	A7.5.1.1/02	1999	The effect of CGA 322704 + CGA 355190 (two Metabolites of CGA 293343) on soil respiration an nitrification Novartis Crop Protection AG, Basel, Switzerland 992668, 11.11.1999 GLP, not published Syngenta File N° CGA322704/0023	Y	

Author(s)	Annex point/ reference number	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Bader, U.	A. 7.5.6	2001	The effects of CGA 322704 (metabolite of thiamethoxam (CGA 293343)) on the decomposition of organic material in a field litterbag test. Syngenta Crop Protection AG, Basel, Switzerland, unpublished report No. 2002619.	Y	SCP
Bätscher, R.	A. 7.5.2.1/01	2000	Effects of CGA 322704 (metabolite of CGA 293343) on survival, growth, and reproduction of the earthworm <i>Eisenia fetida</i> RCC Ltd., Report No.: 773976 (Syngenta Project No. 2002615), 9 October 2000 (unpublished).	Y	SCP
[REDACTED]	A7.4.1.1/05	1998	Acute toxicity of CGA 355190 (metabolite of CGA 293343) for Rainbow trout [REDACTED] G 541 04, 29.10.1998 GLP, not published Syngenta File N° CGA355190/0002	Y	SCP
[REDACTED]	A7.5.3.1.3/02	1998	The reproductive toxicity test of CGA 293343 technical with the mallard duck (<i>Anas platyrhynchos</i>) [REDACTED] 294-97, 09.11.1998 GLP, not published Syngenta File N° CGA293343/0889	Y	SCP
Bryan, R.L. et al	A7.5.1.2/02	1999a	An Acute toxicity study with the Earthworm in an artificial soil substrate Wildlife International Ltd., Easton, MD, United States 108-417, 09.12.1999 GLP, not published Syngenta File N° NOA407475/0013	Y	SCP
Bryan, R.L. et al	A7.5.1.2/03	1999b	An Acute toxicity study with the Earthworm in an artificial soil substrate Wildlife International Ltd., Easton, MD, United States 108-425, 09.12.1999 GLP, not published Syngenta File N° CGA355190/0006	Y	SCP
Candolfi, M.P.	A7.5.1.2/01	1995	14-day acute toxicity test with the earthworm (<i>Eisenia foetida</i>) Springborn Smithers Laboratories (Europe) AG, Horn, Switzerland 95-065-1008, 28.11.1995 GLP, not published Syngenta File N° CGA293343/0023	Y	SCP
Candolfi., M.	A7.5.4.1/06	1998a	Toxicity of CGA 293343 WS 70 (A-9567 B) to <i>Poecilus cupreus</i> L. (Coleoptera: Carabidae) under semi-field conditions Novartis Crop Protection AG, Basel, Switzerland 983772, 28.10.1998 GLP, not published Syngenta File N° CGA293343/0797	Y	SCP
Candolfi., M.	A7.5.4.1/07	1998b	Toxicity of CGA 293343 WS 70 (A-9567 B) to <i>Aleochara bilineata</i> Gyll. (Coleoptera, Staphylinidae) under semi-field conditions Novartis Crop Protection AG, Basel, Switzerland 983771, 17.11.1998 GLP, not published Syngenta File N° CGA293343/0842	Y	SCP
Clark, A.	A7.1.1.1.1/01	1998	Hydrolysis of 2-14C-thiazolyl CGA 293343 under laboratory conditions Ciba-Geigy Corp., Greensboro, United States ABR-96106, 17.09.1998 GLP, not published Syngenta File N° CGA293343/0753	Y	SCP

Author(s)	Annex point/ reference number	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Clark, A.	A7.2.2.4/03	1998a	Anaerobic aquatic metabolism of 14C-(thiazole) CGA 293343 Novartis Crop Protection Inc., Greensboro, United States 507-95, 13.03.1998 GLP, not published Syngenta File N° CGA293343/0468	Y	SCP
Clark, A.	A7.2.2.4/04	1998b	Anaerobic aquatic metabolism of 14C-(guanidine) CGA 293343 Novartis Crop Protection Inc., Greensboro, United States 506-95, 12.03.1998 GLP, not published Syngenta File N° CGA293343/0467	Y	SCP
Concha, M.	A7.2.3.1/01	1998a	Soil adsorption / desorption of 14C-guanidine-CGA 293343 by the batch equilibrium method 612W, 02.11.1998 GLP, not published Syngenta File N° CGA293343/0835	Y	SCP
Concha, M.	A7.2.3.1/06	1998b	Adsorption / desorption of 14C-thiazole CGA 322704 by the batch equilibrium method Novartis Crop Protection Inc., Greensboro, United States 419-96, 30.11.1998 GLP, not published Syngenta File N° CGA322704/0019		SCP
Concha, M. Hathcock, T.	A7.2.3.1/10	1998	Soil adsorption / desorption of 14C-CGA 355190 by the batch equilibrium method 411-97, 30.11.1998 GLP, not published Syngenta File N° CGA355190/0005	Y	SCP
Concha, M. Hathcock, T.	A7.2.3.1/11	1998	Soil adsorption and desorption of (Thiazole-2-14C-NOA 404617 by the batch equilibrium method Novartis Crop Protection Inc., Greensboro, United States 721-97, 30.11.1998 GLP, not published Syngenta File N° NOA404617/0001	Y	SCP
Cruz, S.M.	A7.2.2.1/05	1998	Metabolism of 14C-guanidine CGA 293343 in viable and sterile clay loam soil under aerobic conditions Novartis Crop Protection Inc., Greensboro, United States 148-97, 18.09.1998 GLP, not published Syngenta File N° CGA293343/0752	Y	SCP
Dixon, B.	A7.2.2.1/03	1998	Aerobic soil metabolism of (14C-thiazole) CGA 293343 Novartis Crop Protection Inc., Greensboro, United States 505-95, 16.03.1998 GLP, not published Syngenta File N° CGA293343/0478	Y	SCP
[REDACTED]	A7.4.3.2	1997	CGA 293343: an early life-stage toxicity test with the rainbow trout (<i>Oncorhynchus mykiss</i>) [REDACTED] 322-96, 14.02.1997 GLP, not published Syngenta File N° CGA293343/0205	Y	SCP
[REDACTED]	A7.4.1.1/03	1996	CGA 293343: A 96-hour flow-through acute toxicity test with the bluegill (<i>Lepomis macrochirus</i>) [REDACTED] 205-96, 14.10.1996 GLP, not published Syngenta File N° CGA293343/0145	Y	SCP
Ellgehausen, H.	A7.2.2.1/02a	1998	Calculation of adsorption constants of soil metabolite CGA 322704 Novartis Crop Protection AG, Basel, Switzerland 98EH04, 06.10.1998 GLP, not published Syngenta File N° CGA322704/0015	Y	SCP

Author(s)	Annex point/ reference number	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Gillham, A M	A7.5.1.2/06	2002	Acute toxicity (LC50) of the metabolite NOA459602 to the Earthworm (<i>Eisenia fetida</i>) in an artificial soil test Environmental R&D Team, York, United Kingdom JW2401, 28.02.2002 GLP, not published Syngenta File N° NOA459602/0004	Y	SCP
Grade, R	A7.4.3.5.1/04	2002	Toxicity Test of NOA 459602 (Metabolite of Thiamethoxam) on Sediment-Dwelling <i>Chironomus riparius</i> (syn. <i>Chironomus thummi</i>) under Static Conditions Syngenta Crop Protection AG, Basel, Switzerland 2012671, 04.06.2002 GLP, not published Syngenta File N° NOA459602/0009	Y	SCP
Grade, R.	A7.1.1.2.1	1996	Report on the test for ready biodegradability of CGA 293343 tech. in the carbondioxide evolution test Ciba-Geigy Ltd., Basel, Switzerland 95G001, 08.01.1996 GLP, not published Syngenta File N° CGA293343/0031	Y	SCP
Grade, R.	A7.4.1.3/01	1996a	Growth inhibition test of CGA 293343 tech. to green algae (<i>Selenastrum capricornutum</i>) in a static system Ciba-Geigy Basel, Oekotoxikologie, Basel, Switzerland 95G005, 12.01.1996 GLP, not published Syngenta File N° CGA293343/0035	Y	SCP
Grade, R.	A7.4.1.3/02	1998a	Growth inhibition test of CGA 293343 tech. to green algae (<i>Selenastrum capricornutum</i>) under static conditions Novartis Crop Protection AG, Basel, Switzerland 972549, 16.06.1998 GLP, not published Syngenta File N° CGA293343/0580	Y	SCP
Grade, R.	A7.4.1.3/03	1997	Growth inhibition test of CGA 322704 (Metabolite of CGA 293343) to green algae (<i>Selenastrum capricornutum</i>) under static conditions Ciba-Geigy Basel, Oekotoxikologie, Basel, Switzerland 962529, 09.01.1997 GLP, not published Syngenta File N° CGA322704/0007	Y	SCP
Grade, R.	A7.4.1.4	1996b	Report on the test for activated sludge respiration inhibition of CGA 293343 tech. Ciba-Geigy Basel, Oekotoxikologie, Basel, Switzerland 95G002, 08.01.1996 GLP, not published Syngenta File N° CGA293343/0034	Y	SCP
Grade, R.	A7.4.3.5.1/01	1998b	Toxicity test of CGA 293343 tech. on sediment-dwelling <i>Chironomus riparius</i> (syn. <i>Chironomus thummi</i>) under static conditions Novartis Crop Protection AG, Basel, Switzerland 972552, 02.10.1998 GLP, not published Syngenta File N° CGA293343/0720	Y	SCP
Grade, R.	A7.4.3.5.1/02	1999	Toxicity test of CGA 322704 (Metabolite of CGA 293343) on sediment-dwelling <i>Chironomus riparius</i> (syn. <i>Chironomus thummi</i>) under static conditions Novartis Crop Protection AG, Basel, Switzerland 982581, 09.02.1999 GLP, not published Syngenta File N° CGA322704/0021	Y	SCP



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Grade, R.	A7.4.3.5.1/03	2000	Toxicity test of NOA 407475 (Metabolite of CGA 293343) on sediment-dwelling <i>Chironomus riparius</i> (syn. <i>Chironomus thummi</i>) under static conditions Novartis Crop Protection AG, Basel, Switzerland 982580, 12.07.2000 GLP, not published Syngenta File N° NOA407475/0014	Y	SCP
Grade, R.	A7.4.3.5.2	1998c	Acute toxicity test of CGA 293343 tech. to the duckweed <i>Lemna gibba</i> G3 under semi-static conditions Novartis Crop Protection AG, Basel, Switzerland 972561, 16.06.1998 GLP, not published Syngenta File N° CGA293343/0595	Y	SCP
Grimm, C.	A7.5.4.1/03	1998a	Acute toxicity of CGA 293343 [REDACTED] to the predatory ground beetle <i>Poecilus cupreus</i> L. (Coleoptera: Carabidae) Novartis Services AG, Basel, Switzerland 983663, 02.11.1998 GLP, not published Syngenta File N° CGA293343/0876	Y	SCP
Grimm, C.	A7.5.4.1/04	1998b	Acute toxicity of CGA 293343 [REDACTED] to the rove beetle <i>Aleochara bilineata</i> Gyll. (Coleoptera, Staphylinidae) Novartis Services AG, Basel, Switzerland 983664, 03.11.1998 GLP, not published Syngenta File N° CGA293343/0877	Y	SCP
Grimm, C.	Not numbered	2003	Evaluation of potential side-effects of CGA 293343 [REDACTED] to plant dwelling non-target arthropods on citrus under field conditions. Lab. Study identification 2002697 Report A9584C	Y	SCP
[REDACTED]	A7.5.3.1.1/03	1998	Acute oral toxicity study in bobwhite quail with CGA 322704 242257, 07.10.1998 GLP, not published Syngenta File N° CGA322704/0017	Y	SCP
Hein, W.	A7.2.3.1/14	2001	Time Dependent Sorption of [Thiazol-2-14C]-CGA322704 in Birkenheide Soil SLFA - Neustadt, Neustadt, Germany NOV21, 12.09.2001 GLP, not published Syngenta File N° CGA322704/0036	Y	SCP
Hein, W. Dorn, R.	A7.2.3.1/05	2001a	Adsorption/Desorption of [Oxidiazin-4-]-CGA 293343 on Birkenheide Soil SLFA - Neustadt, Neustadt, Germany NOV18, 01.08.2001 GLP, not published Syngenta File N° CGA293343/1380	Y	SCP
Hein, W. Dorn, R.	A7.2.3.1/07	2001c	Adsorption/Desorption of [Thiazol-2-14C]-CGA322704 on Birkenheide Soil SLFA - Neustadt, Neustadt, Germany NOV19, 12.09.2001 GLP, not published Syngenta File N° CGA322704/0034	Y	SCP
[REDACTED]	A7.5.3.1.1/01	1996a	CGA 293343 Acute oral toxicity (LD50) to the bobwhite quail [REDACTED] [REDACTED] CBG 744/960155, 23.04.1996 GLP, not published Syngenta File N° CGA293343/0046	Y	SCP

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	A7.5.3.1.1/02	1996b	CGA 293343 Acute oral toxicity (LD50) to the mallard duck [REDACTED] CBG 745/960013, 23.04.1996 GLP, not published Syngenta File N° CGA293343/0044	Y	SCP
	A7.5.3.1.2/01	1996c	CGA 293343 Subacute dietary toxicity (LC50) to the bobwhite quail [REDACTED] CBG 746/960156, 01.05.1996 GLP, not published Syngenta File N° CGA293343/0047	Y	SCP
	A7.5.3.1.2/02	1996d	CGA 293343 Subacute dietary toxicity (LC50) to the mallard duck [REDACTED] CBG 747/960199, 23.04.1996 GLP, not published Syngenta File N° CGA293343/0045	Y	SCP
Keller, A.	A7.2.3.1/02	1996	Adsorption / desorption of CGA 293343 in various soil types Ciba-Geigy Ltd., Basel, Switzerland 95AK03, 12.06.1996 GLP, not published Syngenta File N° CGA293343/0078	Y	SCP
Kleiner, R.	A7.5.4.1/01	1995	Testing toxicity to Honeybee - <i>Apis mellifera</i> L. (laboratoy) BioChem GmbH, Cunnnersdorf, Germany 95 10 48 045, 25.10.1995 GLP, not published Syngenta File N° CGA293343/0018	Y	SCP
Knauer, K.	A7.4.1.2/02	2000b	Acute toxicity test of CGA 293343 tech. to the Gammarus sp. under static conditions Novartis Crop Protection AG, Basel, Switzerland 2002614, 10.07.2000 GLP, not published Syngenta File N° CGA293343/1229	Y	SCP
Knauer, K.	A7.4.1.2/03	2000c	Acute toxicity test (24h) of CGA 293343 tech. to three invertebrate species <i>Daphnia pulex leydig</i> , <i>Thamnocephalus platyurus</i> , and <i>Brachionus calyciflorus</i> under static conditions Novartis Crop Protection AG, Basel, Switzerland 2002612, 21.07.2000 GLP, not published Syngenta File N° CGA293343/1274	Y	SCP
Knauer, K.	A7.4.1.2/04	2000d	Acute toxicity test of CGA 293343 tech. to individual invertebrate species and molluscs from a natural pond assemblage under static conditions Novartis Crop Protection AG, Basel, Switzerland 2002642, 21.07.2000 GLP, not published Syngenta File N° CGA293343/1273	Y	SCP
Knauer, K.	A7.4.1.2/09	2000a	Acute toxicity test of CGA 293343 tech. to the Ephemeroptera <i>Cloeon</i> sp. under static conditions Novartis Crop Protection AG, Basel, Switzerland 2002613, 10.07.2000 GLP, not published Syngenta File N° CGA293343/1228	Y	SCP

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Lowery, E.	A7.1.1.1/02	1997	Hydrolysis of 14C-Guanidine-CGA 293343 under laboratory conditions Ciba-Geigy Corp., Greensboro, United States ABR-97013, 03.11.1997 GLP, not published Syngenta File N° CGA293343/0373	Y	SCP
Maetzler, P.	A7.4.1.2/06	1998a	Acute toxicity of CGA 355190 to Daphnia magna (Immobilisation test) Novartis Services AG, Basel, Switzerland G 541 14, 30.10.1998 GLP, not published Syngenta File N° CGA355190/0003	Y	SCP
Maetzler, P.	A7.4.1.3/04	1998b	Toxicity of CGA 355190 to Green algae (Growth inhibition test) Novartis Services AG, Basel, Switzerland G 541 17, 30.10.1998 GLP, not published Syngenta File N° CGA355190/0004	Y	SCP
Mank, M.A. Krueger, H.O.	A7.4.1.2/10	1998	CGA 293343 technical: a 48-hour static acute toxicity test with the midge (Chironomus riparius) Wildlife International Ltd., Easton, MD, United States 819-98, 15.10.1998 GLP, not published Syngenta File N° CGA293343/0890	Y	SCP
Nengel, S.	A7.5.4.1/02	1997	Assessment of side effects of CGA 322704 to the honey bee, Apis mellifera L. in the laboratory GAB Biotechnologie GmbH, Niefern, Germany 972512, 14.07.1997 GLP, not published Syngenta File N° CGA322704/0011	Y	SCP
Neumann, Ch.	A7.4.1.2/01	1996	Acute toxicity test of CGA 293343 to the cladoceran daphnia magna straus under static conditions Ciba-Geigy Basel, Oekotoxikologie, Basel, Switzerland 95G003, 25.04.1996 GLP, not published Syngenta File N° CGA293343/0043	Y	SCP
Neumann, Ch.	A7.4.1.2/05	1997a	Acute toxicity test of CGA 322704 (Metabolite of CGA 293343) to the cladoceran Daphnia magna straus under static conditions Novartis Crop Protection AG, Basel, Switzerland 962528, 31.01.1997 GLP, not published Syngenta File N° CGA322704/0008	Y	SCP
Neumann, Ch.	A7.4.3.4	1997b	Daphnia magna reproduction test: effects of CGA 293343 on the reproduction of the cladoceran Daphnia magna straus in a semi-static laboratory test Novartis Crop Protection AG, Basel, Switzerland 95G004, 24.09.1997 GLP, not published Syngenta File N° CGA293343/0323	Y	SCP
Nicollier, G.	A7.2.3.1/13	2000	Adsorption / Desorption of [Thiazol-2- ¹⁴ C]NOA 459602 in Various Soils and Time Dependent Sorption Syngenta Crop Protection AG, Basel, Switzerland 01GN08, 3.7.2002 GLP, not published Syngenta File N° NOA459602/0015	Y	SCP
Peters, J.	A7.2.3.1/03	2000	Time dependent sorption of technical and of 2SC formulated (Thiazoly1-2- ¹⁴ C)-labeled CGA 293343 in two different soils Novartis Crop Protection Inc., Greensboro, United States 1200-99, 28.03.2000 GLP, not published Syngenta File N° CGA293343/1214	Y	SCP

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Peters, J.	A7.2.3.1/04	2001	Time Dependent Sorption of (Thiazolyl-2- 14C)-Labelled CGA 293343 in Various Soils Syngenta Crop Protection, Inc., Greensboro, United States 200-00, 08.05.2001 GLP, not published Syngenta File N° CGA293343/1377	Y	SCP
Peters, J.	A7.2.3.1/12	1998	Soil adsorption and desorption of Thiazolyl-2-14C-NOA 407475 by the batch equilibrium method Novartis Crop Protection Inc., Greensboro, United States 420-98, 19.11.1998 GLP, not published Syngenta File N° NOA407475/0012	Y	SCP
Pfeifle, V.	A7.5.1.2/04	2000	Acute toxicity of CGA 355190 to the Earthworm Eisenia fetida Solvias AG, Basel, Switzerland 2002506, 16.10.2000 GLP, not published Syngenta File N° CGA355190/0007	Y	SCP
Phaff, R.	A7.2.2.1/01	1997a	Rate of degradation of CGA 293343 in soil under various conditions Ciba-Geigy Ltd., Basel, Switzerland 95RP03, 23.05.1997 GLP, not published Syngenta File N° CGA293343/0098	Y	SCP
Phaff, R.	A7.2.3.1/08	1997b	Adsorption / desorption of CGA 322704 in various soil types Novartis Crop Protection AG, Basel, Switzerland 96RP06, 23.04.1997 GLP, not published Syngenta File N° CGA322704/0010	Y	SCP
Pease, G. & Webster, D.A.	A7.5.2.1/ 02	2004	CGA322704 (A metabolite of CGA293343 (thiamethoxam)): A field study to investigate the forced effect and recovery of earthworm populations following application to a bare field site in Denmark Ecotox Ltd. Tavistock, Devon, England, Report No.: ER-04-KCB 196 (Syngenta Project No. 2033604), 4 November 2004 (unpublished).	Y	SCP
Pointurier, R.	A7.2.2.2/01	1998	Residue study with CGA 293343 in or on soil in south of France ADME - Bioanalyses, Aigues-Vives, France 9731003, 30.09.1998 GLP, not published Syngenta File N° CGA293343/0746	Y	SCP
Porch, J.R. et al	A7.5.1.2/05	2000	An acute toxicity study with the Earthworm in an artificial soil substrate Wildlife International Ltd., Easton, MD, United States 108-418A, 28.03.2000 GLP, not published Syngenta File N° CGA322704/0026	Y	SCP
Reber, B.	A7.5.4.1/05	2000	Acute Toxicity of CGA 293343 [REDACTED] to larvae of the Predatory ground beetle Poecilus cupreus L. (Coleoptera: Carabidae) Syngenta Crop Protection AG, Basel, Switzerland 2003631, 07.11.2000 GLP, not published Syngenta File N° CGA293343/1336	Y	SCP
Reischmann, F.J.	A7.2.2.1/07	2002	Rate of degradation of [Thiazole-2-14C] labelled NOA 459602 in three soils under aerobic laboratory conditions at 20 degred C Syngenta Crop Protection AG, Basel, Switzerland 01RF03, 09.09.2002 GLP, not published Syngenta File N° NOA459602/0020	Y	SCP

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Rüdel, H.	A7.1.1.1.2/02	1998	Quantum yield of the photochemical degradation of CGA 322704 ITA Fraunhofer-Inst., Hannover, Germany NOV-001/7-21, 10.11.1998 GLP, not published Syngenta File N° CGA322704/0018	Y	SCP
Rüfli, H.	A7.4.1.1/01	1996	Acute toxicity test of CGA 293343 tech. to rainbow trout (Oncorhynchus mykiss) in the flow-through system Ciba-Geigy Basel, Oekotoxikologie, Basel, Switzerland 95R002, 30.01.1996 GLP, not published Syngenta File N° CGA293343/0036	Y	SCP
Rüfli, H.	A7.4.1.1/02	1997a	Acute toxicity test of CGA 293343 tech. to rainbow trout (Oncorhynchus mykiss) under flow-through conditions Novartis Crop Protection AG, Basel, Switzerland 972548, 26.11.1997 GLP, not published Syngenta File N° CGA293343/0388	Y	SCP
Rüfli, H.	A7.4.1.1/04	1997b	Acute toxicity test of CGA 322704 (Metabolite of CGA 293343) to rainbow trout (Oncorhynchus mykiss) in the static system Ciba-Geigy Basel, Oekotoxikologie, Basel, Switzerland 962527, 21.01.1997 GLP, not published Syngenta File N° CGA322704/0009	Y	SCP
Rüfli, H.	A7.4.3.1	1997c	Prolonged toxicity test of CGA 293343 tech. to rainbow trout (Oncorhynchus mykiss) in the flow-through system Novartis Crop Protection AG, Basel, Switzerland 95R003, 30.07.1997 GLP, not published Syngenta File N° CGA293343/0296	Y	SCP
Ruggle, P. Bolsinger, M.	A7.5.4.1/08	1998	Biological activity of Metabolites of Thiamethoxam CGA 293343 on insects and mites Novartis Crop Protection AG, Basel, Switzerland 95 10 48 045, 14.10.1998 not GLP, not published Syngenta File N° CGA293343/0894	Y	SCP
Schwartz, B.	A7.1.1.1.2/03	1998b	Photodegradation of 14C-Thiazolyl-CGA 293343 in pH 5 buffered solution under artificial light Novartis Crop Protection Inc., Greensboro, United States ABR-98091, 27.10.1998 GLP, not published Syngenta File N° CGA293343/0798	Y	SCP
Schwartz, B.	A7.2.2.1/04	1998	Final report: Aerobic soil metabolism of 14C-(guanidine) CGA 293343 Novartis Crop Protection Inc., Greensboro, United States 504-95, 03.03.1998 GLP, not published Syngenta File N° CGA293343/0453	Y	SCP
Scott, M.	A7.2.3.1/09	1998	Soil adsorption and desorption of Oxadiazinyl-14C-CGA 353042 by the batch equilibrium method Novartis Crop Protection Inc., Greensboro, United States 629-98, 24.11.1998 GLP, not published Syngenta File N° CGA353042/0002	Y	SCP
██████████	A7.4.1.1/06	1998a	Acute toxicity of NOA 407475 (metabolite of CGA 293343) to rainbow trout (Oncorhynchus mykiss) in a 96-hour static test ██████████ 688781, 14.08.1998 GLP, not published Syngenta File N° NOA407475/0010	Y	SCP

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Seyfried, B.	A7.4.1.2/07	1998b	Acute toxicity of NOA 407475 (metabolite of CGA 293343) to <i>Daphnia magna</i> in a 48-hour immobilization test RCC AG, Itingen, Switzerland 688803, 22.09.1998 GLP, not published Syngenta File N° NOA407475/0011	Y	SCP
Seyfried, B.	A7.4.1.3/05	1998c	Toxicity of NOA 407475 (metabolite of CGA 293343) to <i>Scenedesmus subspicatus</i> in a 72-hour algal growth inhibition test RCC AG, Itingen, Switzerland 688825, 14.08.1998 GLP, not published Syngenta File N° NOA407475/0009	Y	SCP
Smith, J.A.	A7.2.2.2/02	1998	Determination of residues of CGA 293343 and the metabolite CGA 322704 in soil Novartis Agro GmbH, Frankfurt, Germany GB 66197, 29.09.1998 GLP, not published Syngenta File N° CGA293343/0750	Y	SCP
Smyth, D.V., Brown, R.J., Maynard, S.J.,	A7.4.3.5.1/05	2004	CGA 322704 (Thiamethoxam metabolite): Toxicity to the sediment dweller <i>Chironomus riparius</i> using spiked water. Brixham Environmental Laboratory, Brixham, Devon, England, Report No.: BL7987/B (Syngenta Project No. 2033605), 2 December 2004 (unpublished).	Y	SCP
Sparrow, K.	A7.1.1.1.2/04	1997	Final report: Photodegradation of 14C-[Guanidine]-CGA 293343 in pH 5 buffered solution under artificial light Ciba-Geigy Corp., Greensboro, United States ABR-97023, 27.10.1997 GLP, not published Syngenta File N° CGA293343/0375	Y	SCP
Sparrow, K.	A7.2.2.4/01	1997	Photodegradation of 14C-Thiazolyl-CGA 293343 on soil under artificial light Novartis Crop Protection Inc., Greensboro, United States ABR-97011, 07.07.1997 GLP, not published Syngenta File N° CGA293343/0374	Y	SCP
Sparrow, K.	A7.2.2.4/02	1997a	Photodegradation of 14C-Guanidine-CGA 293343 on soil under artificial light Novartis Crop Protection Inc., Greensboro, United States ABR-97012, 07.07.1997 GLP, not published Syngenta File N° CGA293343/0376	Y	SCP
Stamm, E.	A7.3.1/02	1998	Atmospheric oxidation of CGA 293343 by hydroxyl radicals Novartis Crop Protection AG, Basel, Switzerland 98SM10, 24.03.1998 not GLP, not published Syngenta File N° CGA293343/0477	Y	SCP
	A7.5.3.1.3/01	1998	The reproductive toxicity test of CGA 293343 technical with the northern bobwhite (<i>Colinus virginianus</i>)  029518, 09.07.1998 GLP, not published Syngenta File N° CGA293343/0653	Y	SCP
Ulbrich, R.	A7.1.1.1.1/03	1999	Hydrolysis of 14C-labelled CGA 322704 under laboratory conditions Novartis Crop Protection AG, Basel, Switzerland 98UL03, 19.02.1999 GLP, not published Syngenta File N° CGA322704/0020	Y	SCP

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	A7.4.1.1/07	2002a	NOA459602 (Thiamethoxam metabolite): Acute toxicity to rainbow trout (<i>Oncorhynchus mykiss</i>) ██████████ BL7243/B, 17.04.2002 GLP, not published Syngenta File N° NOA459602/0016	Y	SCP
Wallace, SJ	A7.4.1.2/08	2002b	NOA459602 (Thiamethoxam metabolite): Acute toxicity to <i>Daphnia magna</i> Brixham Environmental Laboratory, Brixham, United Kingdom BL7244/B, 17.04.2002 GLP, not published Syngenta File N° NOA459602/0017	Y	SCP
Wallace, SJ	A7.4.1.3/06	2002c	NOA459602 (Thiamethoxam metabolite): Toxicity to the Green Alga <i>Selenastrum capricornutum</i> Brixham Environmental Laboratory, Brixham, United Kingdom BL7245/B, 17.04.2002 GLP, not published Syngenta File N° NOA459602/0018	Y	SCP
Zetzsch, C.	A7.1.1.1.2/01	1997	Quantum yield of the Photochemical degradation of CGA 293343 in aqueous solution ITA Fraunhofer-Inst., Hannover, Germany 11G97014, 12.09.1997 GLP, not published Syngenta File N° CGA293343/0469	Y	SCP

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Mair, P	PPP study code IIA, 7.1.1.2.2/02	1996c	The report is a brief description of a determination of residues of thiamethoxam and its metabolite CGA 322704 in soil after application as ██████████ (field trial).	Y	NCP
Mair, P.	PPP study code IIA, 7.1.1.2.2/ 05a	1996a	Determination of residues of CGA 293343 in potatoes and soil and CGA 322704 in soil after application as WG 25 - field trial Ciba-Geigy Ltd., Basel, Switzerland Study Report No. 1056/95, 20.09.1996, interim report 1.year GLP, not published Novartis File N° 293343- 101	Y	NCP
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