

Renewal Assessment Report

S-Metolachlor

Volume 2

List of the tests, studies and information submitted

Rev. 0 - 06 September 2018

Rapporteur Member State: Germany
Co-Rapporteur Member State: France

Version history

When	What
06 September 2018	First version submitted to EFSA

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A List of the tests, studies and information submitted

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The list of references, alphabetically by first author, includes all study reports, documents, and published articles submitted, by the applicant or any other parties, or included in the DAR by the RMS, and whether relied upon or not. This should include references on the active substance as well as references on product(s).

References identified in literature search in accordance with Article 8(5) of Regulation (EC) No 1107/2009 and not submitted or requested should not be listed here. The full outcome of the literature search is presented in the summary dossier which is available on the EFSA website.

For draft renewal assessment reports the reference lists for each section should include also those studies that were submitted to support the approval or subsequent renewals.

For (draft) renewal assessment reports the reference lists at the end of each section/chapter (sorted by data requirement) should include the newly submitted data relied upon as well as those original submitted tests and studies that are still considered relevant to support the application for renewal. However these studies should be clearly identified in the reference list as well as in the individual study sections. This could be done by consistent use of a statement for each study:

Previous evaluation: responded "N.A." for NAS, "Submitted for the purpose of renewal", or "In DAR (year)", "In addendum to DAR (year)" or any other appropriate

Lists of studies should be prepared according to the "Guidance Document on preparing list of tests and study reports according to Article 60 of Regulation (EC) No 1107/2009" (GD SANCO/12580/2012).

A.1 Identity

Active substance

See Volume 4.

Product (A9396G)

See Volume 4.

A.2 Physical and chemical properties

Active substance

CA point / reference number Reg. 283/2013	Annex point / reference number OECD	Annex point / reference number EU Rev. 8	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where rele- vant), Published or not BVL registration number	Vertebrate study Y/N	Data Protec- tion Claimed Y/N	Justification if data protection is claimed	Owner (1)	Year of sub- mission	Submitted with
CA 2 / 01	IIA1 2 / 01	IIA. 2 / 02	Burkhard, N.	1997	Physico-Chemical Properties - Comparison metolachlor with S- metolachlor Novartis Crop Protection AG, Basel, Switzerland Overview, 30.01.1997 Syngenta file N° CGA 77102 /0244 CHE9800165	N	N	-	SYN	1998	Original EU dossier
CA 2.1 / 01	IIA1 2.1.1 / 01	IIA. 2.1.1 / 01	Geoffroy, A.	1995	Report on melting / freezing temperature Ciba-Geigy Ltd., Basel, Switzerland Rep. No. PP-95/8P.MPR, 12.12.1995 Syngenta file N° CGA 77102 /0071 CHE9800019	N	N	-	SYN	1998	Original EU dossier
CA 2.1 / 01	IIA1 2.1.2 / 01	IIA. 2.1.2 / 01	Das, R.	1995	Report on boiling point / boiling range Ciba-Geigy Muenchwilten AG, Muenchwilten, Switzerland Rep. No. 30843, 21.03.1995 Syngenta file N° CGA 77102 /0027 CHE9800020	N	N	-	SYN	1998	Original EU dossier
CA 2.1 / 01	IIA1 2.1.3 / 01	IIA. 2.1.3 / 01	Schürch, H.	1995	Report on thermal stability and stability in air Ciba-Geigy Ltd., Basel, Switzerland Rep. No. PP-95/8T.TSA, 25.07.1995 Syngenta file N° CGA 77102 /0050 CHE9800168	N	N	-	SYN	1998	Original EU dossier
CA 2.2 / 01	IIA1 2.3.1 / 01	IIA. 2.3.1 / 01	Widmer, H.	1995	Report on vapour pressure Ciba-Geigy Ltd., Basel, Switzerland Rep. No. 95W129, 16.11.1995 Syngenta file N° CGA 77102 /0057 LUF9800229	N	N	-	SYN	1998	Original EU dossier

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CA 2.2 / 02	IIA1 2.3.2 / 01	IIA. 2.3.2 / 01	Burkhard, N.	1995	Henry's law constant Novartis Crop Protection AG, Basel, Switzerland Data Sheet, 17.11.1995 Syngenta file N° CGA 77102 /0056 LUF9800228	N	N	-	SYN	1998	Original EU dossier
CA 2.3 / 01	IIA1 2.4 / 01	IIA. 2.4 / 01	Das, R.	1995	Report on general physico-chemical properties (colour, aspect, odour) - pure active ingredient Ciba-Geigy Muenchwilen AG, Muenchwilen, Switzerland Rep. No. 30847, 21.03.1995 Syngenta file N° CGA 77102 /0025 CHE9800018	N	N	-	SYN	1998	Original EU dossier
CA 2.3 / 02	IIA1 2.4 / 02	IIA. 2.4 / 02	Das, R.	1995	Report on general physico-chemical properties (colour, aspect, odour) - techn. active ingredient Ciba-Geigy Muenchwilen AG, Muenchwilen, Switzerland Rep. No. 30851, 21.03.1995 Syngenta file N° CGA 77102 /0024 CHE9800015	N	N	-	SYN	1998	Original EU dossier
CA 2.4 / 01	IIA1 2.5 / 01	IIA. 2.5.1 / 01	Lai, G.	1995	Report on spectra Ciba-Geigy Muenchwilen AG, Muenchwilen, Switzerland Rep. No. 36482, 21.11.1995 Syngenta file N° CGA 77102 /0061 CHE9800022	N	N	-	SYN	1998	Original EU dossier
CA 2.4 / 02	IIA1 2.5 / 02	IIA. 2.5.1 / 02	Roth, M.	1997	Report on spectra (molar extinction coefficients above 290 nm) Novartis Crop Protection Muenchwilen AG, Muenchwilen, Switzerland Rep. No. 48378, 12.02.1997 Syngenta file N° CGA77102/0347 CHE9800175	N	N	-	SYN	1998	Original EU dossier

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CA 2.4 / 03	IIA1 2.5 / 03	IIA. 2.5.1 / 03	Burkhard, N.	1997	Optical purity of the pure active substance S-metolachlor Novartis Crop Protection AG, Basel, Swit- zerland Statement, 11.03.1997 Syngenta file N° CGA 77102 /0250 CHE9800176	N	N	-	SYN	1998	Original EU dossier
CA 2.5 / 01	IIA1 2.6 / 01	IIA. 2.6 / 01	Stulz, J.	1995	Report on water solubility Ciba-Geigy Muenchwilen AG, Muenchwilen, Switzerland Rep. No. 30846, 29.05.1995 Syngenta file N° CGA 77102 /0031 CHE9800024	N	N	-	SYN	1998	Original EU dossier
CA 2.6 / 01	IIA1 2.7 / 01	IIA. 2.7 / 01	Stulz, J.	1995	Report on solubility in organic solvents Ciba-Geigy Muenchwilen AG, Muenchwilen, Switzerland Rep. No. 30853, 27.03.1995 Syngenta file N° CGA 77102 /0028 CHE9800025	N	N	-	SYN	1998	Original EU dossier
CA 2.6 / 02	IIA1 2.7 / 02	IIA. 2.7 / 02	Stulz, J.	1996	Solubility in organic solvents Ciba-Geigy Muenchwilen AG, Muen- chwilen, Switzerland Statement, 11.12.1996 Syngenta file N° N/0003 CHE2005-75	N	N	-	SYN	1998	Original EU dossier
CA 2.7 / 01	IIA1 2.8 / 01	IIA. 2.8 / 01	Stulz, J.	1995c	Report on octanol / water partition coefficient Ciba-Geigy Muenchwilen AG, Muenchwilen, Switzerland Rep. No. 30845, 12.09.1995 Syngenta file N° CGA 77102 /0042 CHE9800023	N	N	-	SYN	1998	Original EU dossier
CA 2.8 / 01	IIA1 2.9.1 / 01	IIA. 2.9.1 / 01	Keller, A.	1996	Hydrolysis of ¹⁴ C-labeled CGA 24705 under laboratory conditions Ciba-Geigy Ltd., Basel, Switzerland Rep. N° 96AK02, 14.10.1996 Syngenta file N° CGA 24705 / 2635	N	N	-	SYN	1998	Original EU dossier

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CA 2.8 / 02	IIA1 2.9.2 / 01	IIA. 2.9.2 / 01	Phaff, R.	1997	Aqueous photolysis of ¹⁴ C-labeled CGA 24705 under artificial sunlight Novartis Crop Protection AG, Basel, Switzerland Rep. N° 96RP02, 23.05.1997 Syngenta file N° CGA 24705 / 2669	N	N	-	SYN	1998	Original EU dossier
CA 2.8 / 03	IIA1 2.9.2 / 02	IIA. 2.9.3 / 01	Zetsch, C.	1993	UV-Absorption spectra of metolachlor - Estimation of aqueous photolysis maximum rate constant and minimum half-life in sunlight Fraunhofer Institut für Toxikologie und Aerosolforschung, Hannover, Germany Rep. N° PC91.5, 06.05.1993 Syngenta file N° CGA 24705 / 2116	N	N	-	SYN	1998	Original EU dossier
CA 2.8 / 04	IIA1 2.9.5 / 01	IIA. 2.9.4 / 01	Stulz, J.	1995	Report on dissociation constant in water Ciba-Geigy Muenchwilten AG, Muenchwilten, Switzerland Rep. No. 37822, 28.11.1995 Syngenta file N° CGA 77102 /00 64 WAS9800488	N	N	-	SYN	1998	Original EU dossier
CA 7.2.1 / 01	IIA1 2.10 / 01	IIA. 2.10 / 01	Stamm, E.	1997	Athmospheric oxidation of CGA 77102 by hydroxyl radicals, Rate estimation Novartis Crop Protection AG, Basel, Switzerland Rep. N° 95A97002SM, 06.01.1997 Syngenta file N° CGA 77102 /0220	N	N	-	SYN	1998	Original EU dossier
CA 2.9 / 01	IIA1 2.11 / 01	IIA. 2.11.2 / 01	Schürch, H.	1995	Report on auto-ignition temperature of liquids Ciba-Geigy Ltd., Basel, Switzerland Rep. No. PP-95/8T.AFG, 25.07.1995 Syngenta file N° CGA 77102 /0052 CHE9800181	N	N	-	SYN	1998	Original EU dossier
CA 2.10 / 01	IIA1 2.12 / 01	IIA. 2.12 / 01	Schürch, H.	1995	Report on determination of flash-point Ciba-Geigy Ltd., Basel, Switzerland Rep. No. PP-95/8T.FLP, 25.07.1995 Syngenta file N° CGA 77102 /0054 CHE9800182	N	N	-	SYN	1998	Original EU dossier

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CA 2.11 / 01	IIA1 2.13 / 01	IIA. 2.13 / 01	Schürch, H.	1995	Report on explosive properties Ciba-Geigy Ltd., Basel, Switzerland Rep. No. PP-95/8T.EXP, 25.07.1995 Syngenta file N° 77102 /0053 CHE9800183	N	N	-	SYN	1998	Original EU dossier
CA 2.12 / 01	IIA1 2.14 / 01	IIA. 2.14 / 01	Ryser, M.	1995	Report on surface tension of aqueous solutions Ciba-Geigy Ltd., Basel, Switzerland Rep. No. PP-95/8T.SUR, 18.05.1995 Syngenta file N° CGA 77102 /0051 CHE9800184	N	N	-	SYN	1998	Original EU dossier
CA 2.12 / 02	-	-	O'Connor B.	2013	S-metolachlor - Determination of Surface Tension Syngenta Harlan Laboratories Ltd., Shardlow, Der- byshire, UK, 41206615 GLP not published Syngenta File No CGA077102_11112 2771089	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 2.13 / 01	IIA1 2.15 / 01	IIA. 2.15 / 01	Stulz, J.	1997	Stability with respect to oxidizing or reducing agents Novartis Crop Protection Münchwilen AG, Münchwilen, Switzerland Statement, 09.04.1997 Syngenta file N° CGA77102/0368 CHE9800189	N	N	-	SYN	1998	Original EU dossier
CA 2.13 / 02	-	-	Jackson W.	2013	S-metolachlor - Oxidising properties Syngenta Syngenta Technology & Projects, Hudders- field, United Kingdom, 10522855 GLP not published Syngenta File No CGA077102_11069 2771090	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 2.14	IIA1 2.2 / 01	IIA. 2.2 / 01	Das, R.	1995	Report on density Ciba-Geigy Muenchwilen AG, Muen- chwilen, Switzerland Rep. No. 30844, 21.03.1995 Syngenta file N° CGA 77102 /0026 CHE9800017	N	N	-	SYN	1998	Original EU dossier

Product (A9396G)

CP point / reference number Reg. 284/2013	Annex point / reference number OECD	Annex point / reference number EU Rev. 8	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where rele- vant), Published or not BVL registration number	Vertebrate study Y/N	Data Protec- tion Claimed Y/N	Justification if data protection is claimed	Owner (1)	Date of sub- mission	Submitted with
CP 2 /01	IIIA. 2. / 01	IIIA. 2. / 01	Hässlin, H.W.	1997	Specification for Registration A-9396 B (DUAL ® GOLD 960 EC) Novartis Crop Protection AG, Basel, CH Data Sheet, 24.02.1997 Novartis file N° 77102/229	N	N		SYN	1998	Original EU dossier
CP 2 /02	IIIA. 2. / 02	IIIA. 2. / 02	Lai G.	1995	Report on chemical composition Ciba-Geigy Muenchwilen AG, Münchwilen,CH Study Report, 10.05.1995 Novartis file N° 77102 / 182	N	N		SYN	1998	Original EU dossier
CP 2.1 /01	IIIA. 2.1 / 01	IIIA. 2.1 / 01	Rodler M.	1996	Report on physico-chemical characterisa- tion (colour, odour, physical state, dilution stability, persistent foaming, cold stability) Ciba-Geigy Muenchwilen AG, Münchwilen,CH Study Report, 22.11.1996 Novartis file N° 77102/ 183	N	N	-	SYN	1998	Original EU dossier

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CP 2.1 / 02 & CP 2.4 / 01	IIIA. 2.1 / 02	IIIA. 2.1 / 02	Rodler M.	1995	Report on physico-chemical properties (appearance, pH value, emulsion properties in CIPAC water C) Ciba-Geigy Muenchwilten AG, Münchwilen, CH Study Report, 12.06.1995 Novartis file N° 77102/ 184	N	N	-	SYN	1998	Original EU dossier
CP 2.1 / 03 CP 2.7 / 05 CP 2.8.2 / 01 CP 2.8.6 / 01			Khot, S.	2013	A9396G – Technical properties of batch SMO2G382 Syngenta Syngenta Biosciences Pvt. Ltd.; Ilhas Goa, India 300008917 Not GLP not published Syngenta File No A9396G_11204 2771486 / 2771494 / 2771495 / 2771496	N	N		SYN	2015	Supplementary dossier
CP 2.2 / 01	IIIA.2.2.1 / 01	IIIA.2.2.1 / 01	Schürch H.	1995	Report on explosive properties Ciba-Geigy Ltd., Basel, CH Study Report, 24.07.1995 Novartis file N° 77102/ 187	N	N	-	SYN	1998	Original EU dossier
CP 2.2 / 02 CP 2.3 / 03	-	-	Jackson W.	2013	A9396G - Safety Study Syngenta Syngenta Technology & Projects, Hudders- field, United Kingdom, 300007750 GLP not published Syngenta File No A9396G_11200 2771487 / 2771488	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2015	Supplementary dossier
CP 2.3 / 01	IIIA. 2.3.1 / 01	IIIA. 2.3 / 01	Schürch H.	1995	Report on determination of flash-point Ciba-Geigy Ltd., Basel, CH Study Report, 24.07.1995 Novartis file N° 77102/ 188	N	N	-	SYN	1998	Original EU dossier
CP 2.3 / 02	IIIA. 2.3.3 / 02	IIIA. 2.3 / 02	Schürch H.	1995	Report on auto-ignition temperature of liquids Ciba-Geigy Ltd., Basel, CH Study Report, 24.07.1995 Novartis file N° 77102/ 189	N	N	-	SYN	1998	Original EU dossier

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CP 2.4 / 01 CP 2.5 / 03	-	-	Khot S.	2013	A9396G - Physical Properties of batch SMO2G382 Syngenta Syngenta Biosciences Pvt. Ltd., Ilhas Goa, India, 300008921 GLP not published Syngenta File No A9396G_11206 2771489 / 2771490	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2015	Supplementary dossier
CP 2.5 /01	IIIA. 2.5.2 / 01	IIIA. 2.5.2 / 01	Ryser M.	1995	Report on viscosity of liquids Ciba-Geigy Ltd., Basel, CH Study Report, 04.07.1995 Novartis file N° 77102/ 190	N	N	-	SYN	1998	Original EU dossier
CP 2.5 /02	IIIA.2.5.3 / 01	IIIA.2.5.3 / 01	Ryser M.	1995	Report on surface tension of aqueous solu- tions Ciba-Geigy Ltd., Basel, CH Study Report, 04.07.1995 Novartis file N° 77102/ 191	N	N	-	SYN	1998	Original EU dossier
CP 2.6 / 01	-	-	Abraham, N.R.	2013	A9396G - Chemical Characterization before storage of batch SMO2G382 Syngenta Syngenta Biosciences Pvt. Ltd., Ilhas Goa, India, 300009285 GLP not published Syngenta File No A9396G_11205 2771491	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2015	Supplementary dossier
CP 2.7 /01	IIIA. 2.7.1 /01	IIIA. 2.7.1 /01	Lai G.	1995	Report on chemical stability (2 weeks 54°C) Ciba-Geigy Muenchwilen AG, Münchwilen,CH Study Report, 21.06.1995 Novartis file N° 77102/ 186	N	N	-	SYN	1998	Original EU dossier
CP 2.7 /02	IIIA. 2.7.5 / 01	IIIA. 2.7.3 / 01	Wochner F.	1996	Report on product stability (1 year 20°C) Ciba-Geigy Muenchwilen AG, Münchwilen,CH Study Report, 29.10.1996 Novartis file N° 77102/ 192	N	N	-	SYN	1998	Original EU dossier

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CP 2.7 / 03	-	-	Fumeaux J.	2013	A9396G - Storage Stability and Shelf Life Statement (2 Weeks 54 °C) in Packaging Made of PET according to CIPAC MT 46.3 Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 300013818 Not GLP not published Syngenta File No A9396G_11203 2771492	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2015	Supplementary dossier
CP 2.7 / 04	-	-	Fumeaux J.	2013	A9396G - Storage Stability and Shelf Life Statement (2 Weeks 54 °C) in Packaging Made of HDPE according to CIPAC MT 46.3 Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 300013817 Not GLP not published Syngenta File No A9396G_11202 2771493	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2015	Supplementary dossier
CP 2.7	-	-	Fumeaux, J.	2016	A9396G - Storage Stability and Shelf Life Statement (2 Years 20 -C) in Packaging Made of PET Syngenta Syngenta Crop Protection, Munchwilen, Switzerland, 300055296 Not GLP not published Syngenta File No A9396G_11312 3394477	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2017	Supplementary dossier
CP 2.7	-	-	Fumeaux, J.	2016	A9396G - Storage Stability and Shelf Life Statement (2 Years 20 -C) in Packaging Made of HDPE/PA Syngenta Syngenta Crop Protection, Munchwilen, Switzerland, 300055301 Not GLP not published Syngenta File No A9396G_11311 3394478	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2017	Supplementary dossier

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CP 2.7	-	-	Fumeaux, J.	2016	A9396G - Storage Stability and Shelf Life Statement (2 Years 20 -C) in Packaging Made of HDPE Syngenta Syngenta Crop Protection, Munchwilen, Switzerland, 300055288 Not GLP not published Syngenta File No A9396G_11310 3394479	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2017	Supplementary dossier
CP 2.8.6 /01	IIIA.2.8.7 / 01	IIIA.2.8.7 / 01	Wochner F.	1996	Report on physico-chemical properties (emulsion properties CIPAC water A) Ciba-Geigy Muenchwilen AG, Münchwilen,CH Study Report, 21.08.1996 Novartis file N° 77102/ 185	N	N	-	SYN	1998	Original EU dossier

A.3 Data on application and efficacy

Active substance

No references submitted.

Product (A9396G)

No references submitted.

A.4 Further information

Active substance

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CA 3.9 / 01	IIA1 3.8 / 01	IIA. 3.8 / 01	Roth, M.	1997	S-metolachlor - Statement on procedures for destruction or decontamination Novartis Crop Protection Mönchwil AG, Mönchwil, Switzerland Statement, 10.02.1997 Syngenta file N° CGA 77102 /0239	N	N	-	SYN	1998	Original EU dossier
CA 3.10 / 01	IIA1 3.9 / 01	IIA. 3.9 / 01	Roth, M.	1997	S-Metolachlor - Statement on emergency measures in the case of an accident Novartis Crop Protection Mönchwil AG, Mönchwil, Switzerland Statement, 10.02.1997 Syngenta file N° CGA 77102 /0240	N	N	-	SYN	1998	Original EU dossier

Product (A9396G)

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CP 4.1 / 01	IIIA. 4.3 / 01	IIIA. 4.3 / 01	Schulze C.	1997	Re-entry periods to protect man, waiting periods for livestock, environmental protec- tion Novartis Crop Protection AG, Basel, CH Statement, 03.04.1997 Novartis file N° 77102 / 277 BVL 3290101	N	N	-	SYN	1998	Original EU dossier

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CP 4.2 /01	IIIA. 4.2.1 / 01	IIIA. 4.2 / 01	Wochner F.	1996	Procedures for cleaning application equip- ment Ciba-Geigy Muenchwilen AG, Münchwilen,CH Statement, 04.11.1996 Novartis file N° 77102/ 196	N	N	-	SYN	1998	Original EU dossier
CP 4.2 /02	IIIA. 4.2.2 / 02	IIIA. 4.2. / 02	Wochner F.	1996	Effectiveness of the cleaning procedure for the application equipment Ciba-Geigy Muenchwilen AG, Münchwilen,CH Statement, 04.11.1996 Novartis file N° 77102/ 197	N	N	-	SYN	1998	Original EU dossier
CP 4.2	-	-	Fumeaux, J.	2013	A9396G - The Effectiveness of the Spray Tank Cleaning Procedure Syngenta Syngenta Crop Protection, Munchwilen, Switzerland, 126668 Not GLP not published Syngenta File No A9396G_11201 BVL 3394480	N	N	-	SYN	2017	Supplementary dossier
CP 4.4 /01	IIIA. 4.1.1 / 01	IIIA. 4.1.1 / 01	Rodler M.	1997	Packaging statement for A-9396 B Novartis Crop Protection Muenchwilen AG, Münchwilen,CH Statement, 06.05.1997 Novartis file N° 77102/ 194	N	N	-	SYN	1998	Original EU dossier
CP 4.4 /02	IIIA. 4.1.3 / 01	IIIA. 4.1.3 / 01	Wochner F.	1996	Report on resistance of packaging material (1 year 20°C) Ciba-Geigy Muenchwilen AG, Münchwilen,CH Study Report, 07.08.1996 Novartis file N° 77102/ 193	N	N	-	SYN	1998	Original EU dossier

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CP 4.4 / 03	-	-	Fumeaux J.	2013	A9396G - Storage Stability and Shelf Life Statement (2 Weeks 54 °C) in Packaging Made of HDPE according to CIPAC MT 46.3 Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 300013817 Not GLP not published Syngenta File No A9396G_11202 2771497	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2015	Supplementary dossier
CP 4.4 / 04	-	-	Fumeaux J.	2013	A9396G - Storage Stability and Shelf Life Statement (2 Weeks 54 °C) in Packaging Made of PET according to CIPAC MT 46.3 Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 300013818 Not GLP not published Syngenta File No A9396G_11203 2771498	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2015	Supplementary dossier
CP 4.4	-	-	Fumeaux	2016	A9396G - Storage Stability and Shelf Life Statement (2 Years 20 -C) in Packaging Made of PET Syngenta Syngenta Crop Protection, Munchwilen, Switzerland, 300055296 Not GLP not published Syngenta File No A9396G_11312 BVL 3394482	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2017	Supplementary dossier

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CP 4.4	-	-	Fumeaux	2016	A9396G - Storage Stability and Shelf Life Statement (2 Years 20 -C) in Packaging Made of HDPE/PA Syngenta Syngenta Crop Protection, Munchwilen, Switzerland, 300055301 Not GLP not published Syngenta File No A9396G_11311 BVL 3394484	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2017	Supplementary dossier
CP 4.4	-	-	Fumeaux	2016	A9396G - Storage Stability and Shelf Life Statement (2 Years 20 -C) in Packaging Made of HDPE Syngenta Syngenta Crop Protection, Munchwilen, Switzerland, 300055288 Not GLP not published Syngenta File No A9396G_11310 BVL 3394485	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2017	Supplementary dossier
CP 4.5 /01	IIIA. 4.6. / 01	IIIA. 4.6. / 01	Wochner F.	1996	Procedures for destruction of the plant protection product and its packaging Ciba-Geigy Muenchwilen AG, Münchwilen,CH Statement, 04.11.1996 Novartis file N° 77102/ 195	N	N	-	SYN	1998	Original EU dossier

A.5 Methods of analysis

Active substance

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KCA 4.1.1 / 01	IIA1 4.2 / 01	IIA. 4.1 / 01	Lai, G.	1995	Analytical method - CGA 77102 Ciba-Geigy Muenchwilen AG, Muenchwilen, CH Method Description AW-184/1, 20.11.1995 Syngenta file N° CGA 77102/0062 CHE9800214	N	N	-	SYN	1998	Original EU dossier
KCA 4.1.1 / 02	IIA1 4.2 / 02	IIA. 4.1 / 02	Lai, G.	1995	Report on validation of analytical method - AW-184/1 Ciba-Geigy Muenchwilen AG, Muenchwilen, CH Study Report 32499, 23.11.1995 Syngenta file N° CGA 77102/0065 CHE9800215	N	N	-	SYN	1998	Original EU dossier
KCA 4.1.1 / 03	IIA1 4.2 / 03	IIA. 4.1 / 03	Lai, G.	1995	Analytical method - CGA 77102 by-products and supplementary tests Ciba-Geigy Muenchwilen AG, Muenchwilen, CH Method Description AK-184/1, 20.11.1995 Syngenta file N° CGA 77102/0063 CHE9800216	N	N	-	SYN	1998	Original EU dossier

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KCA 4.1.1 / 04	IIA1 4.2 / 04	IIA. 4.1 / 04	Lai, G.	1995	Report on validation of analytical method - AK- 184/1 Ciba-Geigy Muenchwilen AG, Muenchwilen, CH Study Report 32500, 24.11.1995 Syngenta file N° CGA 77102/0066 CHE9800217	N	N	-	SYN	1998	Original EU dossier
KCA 4.1.1 / 05	IIA1 4.2 / 05	IIA. 4.1 / 05	Kreuzer, A., Wyden, W.	1995	Nitrosamines in Agrochemicals - by chemical cleavage / chemiluminescence detection Ciba-Geigy Muenchwilen AG, Muenchwilen, CH Method Description AG- 20/4, 12.06.1995 Syngenta file N° N/0004 CHE9800218	N	N	-	SYN	1998	Original EU dossier
KCA 4.1.1 / 06	IIA1 4.2 / 06	IIA. 4.1 / 06	Kreuzer, A.	1995	Report on nitrosamines Ciba-Geigy Muenchwilen AG, Muenchwilen, CH Study Report 38010, 16.11.1995 Syngenta file N° CGA 77102/0068 CHE9800219	N	N	-	SYN	1998	Original EU dossier

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KCA 4.1.1 / 07	-	-	De Benedictis S.	2014	S-Metolachlor - Analytical Method SA-78/1 Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 10544328 Not GLP not published Syngenta File No CGA077102_11169 2771092	N	N	-	SYN	2015	Supplementary dossier
KCA 4.1.1 / 08	-	-	De Benedictis S.	2014	S-metolachlor - Validation of Analytical Method SA-78/1 Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 126367 GLP not published Syngenta File No CGA077102_11168 2771093	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 4.1.2 / 01	IIA1 4.3 / 01	IIA. 4.2.1 / 01	Karlhuber, B., Ramsteiner, K.	1973	CGA 24705, gas chromatographic residue determination in plant material, grains and soil Ciba-Geigy Ltd., Basel, CH Method Description REM 12/73, 20.12.1973 Syngenta file N° CGA 24705/0614 MET9800597 , BVL 2662000	N	N	-	SYN	1998	Original EU dossier

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KCA 4.1.2 / 02	IIA1 4.3 / 02	IIA. 4.2.1 / 02	Cargile, N.L., Ross, J.A.	1979	Anal. method for residues of metolachlor plant metabolites determined as CGA 37913 and CGA 49751 after acid hydrolysis Ciba-Geigy Corp., Greensboro NC, USA Method Description AG-338, 23.04.1979 Syngenta file N° CGA 24705/0617 MET9800598 , BVL 2662001	N	N	-	SYN	1998	Original EU dossier
KCA 4.2 / 03	IIA1 4.3 / 03	IIA. 4.2.1 / 03	Egli, H.	1984	CGA 24705, gas chromatographic determination of residues of parent compound, plant material Ciba-Geigy Ltd., Basel, CH Method Description REM 2/84, 21.09.1984 Syngenta file N° CGA 24705/0618 MET9800599 , BVL 2662002	N	N	-	SYN	1998	Original EU dossier
KCA 4.1.2 / 04	IIA1 4.3 / 04	IIA. 4.2.1 / 04	Ramsteiner, K.	1989	CGA 24705, Determination of residues of parent compound by liquid chromatography - gas chromatography, plant materials, soil Ciba-Geigy Ltd., Basel, CH Method Description REM 135.01, 22.09.1989 Syngenta file N° CGA 24705/ 0625 MET9800600 , BVL 2662003	N	N	-	SYN	1998	Original EU dossier

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KCA 4.2 / 05	IIA1 4.3 / 05	IIA. 4.2.1 / 05	Mostert, I.	1990	CGA 24705, Determination of residues of parent compound by liquid chromatography - gas chromatography, plant materials Ciba-Geigy Ltd., Basel, CH Method Description REM 135.02, 29.03.1990 Syngenta file N° 24705/ 0626 MET9800601 , BVL 2662004	N	N	-	SYN	1998	Original EU dossier
KCA 4.1.2 / 06	IIA1 4.3 / 06	IIA.4.2.1 / 06	Wurz, R.E.M., Grunewald, M, Geluwe van, K	1993	Analytical Method for the Determination of Metolachlor as CGA 37913 and CGA 49751 in Crops by Capillary Gas Chromatography Ciba-Geigy Corp., Greensboro NC, USA Method Description AG-612, 23.01.1993 Syngenta file N° CGA 24705/ 2342 MET9800602 , BVL 2662005	N	N	-	SYN	1998	Original EU dossier

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KCA 4.1.2 / 07	IIA1 4.3 / 07	IIA.4.2.1 / 07	Wurz, R.E.M.	1993	Validation of analyt.meth.AG- 338,"Analyt.Method for the Residues of Metolachlor Plant Metabolites determined as CGA-37913 and CGA- 49751 after Acid Hydrolysis" with modification for the determinat.of resid. of metolachlor in 14c- treatd.corn Cia-Geigy Corp., Greensboro NC, USA Rep. No. ABR-92088, 27.01.1993 Syngenta file N° CGA 24705/ 2227 MET9800603 , BVL 2662006	N	N	-	SYN	1998	Original EU dossier
KCA 4.2 / 08	IIA1 4.3 / 08	IIA. 4.2.1 / 08	Dieterle, R.	1993	Applicability of Multiresidue Method DFG S 19 for De- termination of CGA 24705 in Maize (Grain and Whole Plant) Ciba-Geigy Ltd., Basel, CH Proj. No. 139/93, 29.10.1993 Syngenta file N° CGA24705/ 2311 MET9800395 , BVL 2662007	N	N	-	SYN	1998	Original EU dossier

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KCA 4.2 / 09	IIA1 4.3 / 09	IIA.4.2.1 / 09	Oakes, T.L.	1996	Validation of analytical methodology for CGA 77102 and CGA 24705 with corn samples treated with 14C-CGA-77102 and 14C-CGA-24705 Ciba-Geigy Corp., Greensboro NC, USA Rep. No ABR 95125, 17.01.1996 Syngenta file N° CGA 24705/ 2573 MET9800604 , BVL 2662008	N	N	-	SYN	1998	Original EU dossier
KCA 4.1.2	IIA1 4.3 / 10	IIA.4.2.1 / 10	Mostert, I.	1996	Validation by analysis of fortified specimens and determination of recoveries Ciba-Geigy Ltd., Basel, CH Rep. No. 145/96, 01.10.1996 Syngenta file N° CGA77102/ 0149 MET9800605 , BVL 2662009	N	N	-	SYN	1998	Original EU dossier
KCA 4.1.2	IIA1 4.3 / 11	IIA.4.2.1 / 11	Mostert, I.	1996	Determination of parent compound by on-line liquid chromatography-gas chromatography, Plant Material Ciba-Geigy Ltd., Basel, CH Method Description REM 186.03, 25.10.1996 Syngenta file N° CGA77102/ 0166 MET9800606 , BVL 2662010	N	N	-	SYN	1998	Original EU dossier

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KCA 4.1.2 / 12	IIA1 4.3 / 12	IIA 4.2.1 / 12	Bussy, L.	1997	Determination des Residus de Metolachlor et Benoxocar dans Le Mais par GC (grains, plantes entières) Residue Analysis; R&D Department Crop Protection Division Ciba France, 30670 Aigues-Vives Method Description RES 03.95 Edit. 2, 15.02.1997 Syngenta file N° CGA24705/ 2664 substituted by the English translation MET9800607 , BVL 2662011	N	N	-	SYN	1998	Original EU dossier
KCA 4.1.2 / 13	IIA1 4.3 / 13	IIA.4.2.1 / 13	Maffezzoni, M.	1997	Validation by Analysis of Fortified Specimens and Determination of Recoveries. Residue Analysis; R&D Department Crop Protection Division Ciba France, 30670 Aigues-Vives Rep. No. Validation of Method RES 03/95, 21.03.1997 Syngenta file N° CGA24705/ 2666 MET9800608 , BVL 2662012	N	N	-	SYN	1998	Original EU dossier
KCA 4.2 / 14	IIA1 4.3 / 14	IIA.4.2.1 / 14	Tribolet, R.	1997	Validation of Method REM 186.02 in Animal Tissues, Fat, Milk, Egg and Blood Novartis Crop Protection AG, Basel, CH Rep No. 108/97 / 21.03.1997 Syngenta file N° CGA77102/0307 MET9800609 , BVL 2662013	N	N	-	SYN	1998	Original EU dossier

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KCA 4.2 / 15	IIA1 4.3 / 15	IIA.4.2.1 / 15	Tribolet, R.	1997	Determination of Parent Compound by On-Line Liquid Chromatography - Gas Chromatography in Animal Tissues, Fat, Milk, Egg and Blood Novartis Crop Protection AG, Basel, CH Method Description REM 186.02, 09.04.1997 Syngenta file N° CGA77102/0306 ASB2015-726 , BVL 2662014	N	N	-	SYN	1998	Original EU dossier
KCA 4.1.2 / 16	IIA1 4.4 / 01	IIA. 4.2.2 / 01	Karlhuber, B., Ramsteiner, K.	1973	CGA 24705, gas chromatographic residue determination in plant material, grains and soil Ciba-Geigy Ltd., Basel, CH Method Description REM 12/73, 20.12.1973 Syngenta file N° CGA24705/0614 MET9800597 , BVL 2662015	N	N	-	SYN	1998	Original EU dossier

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KCA 4.1.2 / 17	IIA 4.4 / 02	IIA 4.2.2 / 02	Bachert, J., Vargo, J, and Chamkasem, N.	1994	Analytical method for the determination of metolachlor and its metabolites CGA-51202, CGA-37735, CGA-40172, CGA-41638, and CGA-67125 in water and soil by high performance liquid chromatography with mass spectrometric detection including vaa Ciba-Geigy Corp., Greensboro NC, USA Method Description AG-618, 21.07.1994 Syngenta file N° CGA24705/2397 MET9800619 , BVL 2662016	N	N	-	SYN	1998	Original EU dossier
KCA 4.2 / 18	IIA1 4.4 / 03	IIA.4.2.2 / 03	Manuli, M.E., et al.	1995	Analytical method for the determination of residues of triazines and metolachlor in soil by gas chromatography Ciba-Geigy Corp., Greensboro NC, USA Method Description AG-564, 15.12.1995 Syngenta file N° CGA 24705/2558 MET9800620 , BVL 2662017	N	N	-	SYN	1998	Original EU dossier

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KCA 4.2 / 19	IIA1 4.4 / 04	IIA.4.2.2 / 04	Mostert, I.	1996	Determination of parent compound and metabolites CGA 40172 and CGA 40919 by gas chromatography (GC) (Soil) Ciba-Geigy Ltd., Basel, CH Method Description REM 135.06, 26.06.1996 Syngenta file N° CGA 24705/ 2589 MET9800621 , BVL 2662018	N	N	-	SYN	1998	Original EU dossier
KCA 4.2 / 20	IIA1 4.4 / 05	IIA.4.2.2 / 05	Mostert, I.	1996	Determination of residues of metabolites CGA 50720 as CGA 313459 and CGA 51202 as CGA 112041 by gas chromatography (GC) (Soil) Ciba-Geigy Ltd., Basel, CH Method Description REM 135.07, 27.06.1996 Syngenta file N° CGA 24705/ 2588 MET9800622 , BVL 2662019	N	N	-	SYN	1998	Original EU dossier
KCA 4.2 / 21	IIA1 4.4 / 06	IIA.4.2.2 / 06	Mostert, I.	1996	Determination of residues of metabolite CGA 37735 by high performance liquid chromatography (HPLC) (Soil) Ciba-Geigy Ltd., Basel, CH Method Description REM 135.08, 28.06.1996 Syngenta file N° CGA 24705/ 2587 MET9800623 , BVL 2662020	N	N	-	SYN	1998	Original EU dossier

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KCA 4.2 / 22	IIA1 4.4 / 07	IIA.4.2.2 / 07	Mostert, I.	1996	Validation by analysis of fortified specimens and determination of recoveries, Validation of Method REM 135.09 Ciba-Geigy Ltd., Basel, CH Rep. No.137/96, 11.09.1996 Syngenta file N° CGA 24705/2619 MET9800625 ,	N	N	-	SYN	1998	Original EU dossier
KCA 4.2 / 23	IIA1 4.4 / 08	IIA.4.2.2 / 08	Mostert, I.	1996	Validation by analysis of fortified specimens and determination of recoveries, Validation of Method REM 186.01 Ciba-Geigy Ltd., Basel, CH Rep. No. 138/96, 11.09.1996 Syngenta file N° CGA 77102/0146 MET9800624 , BVL 2662022	N	N	-	SYN	1998	Original EU dossier
KCA 4.2 / 24	IIA1 4.4 / 09	IIA.4.2.2 / 09	Mostert, I.	1996	Determination of parent compound by on-line liquid chromatography - gas chromatography, Soil, validated with loamy sand, silt loam Ciba-Geigy Ltd., Basel, CH Method Description REM 135.09, 18.10.1996 Syngenta file N° CGA 24705/2634 MET9800626 , BVL 2662023	N	N	-	SYN	1998	Original EU dossier

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KCA 4.2 / 25	IIA1 4.4 / 10	IIA.4.2.2 / 10	Mostert, I.	1996	Determination of parent compound by on-line liquid chromatography-gas chromatography, Soil Ciba-Geigy Ltd., Basel, CH Method Description REM 186.01, 25.10.1996 Syngenta file N° CGA 77102/0165 MET9800627 , BVL 2662024	N	N	-	SYN	1998	Original EU dossier
KCA 4.2 / 26	IIA1 4.4 / 11	IIA.4.2.2 / 11	Mostert, I., Kühne, R.O.	1997	Validation by Analysis of Fortified Specimens and Determination of Recoveries Novartis Crop Protection AG, Basel, CH Rep. No. 110/97, 03.04.1997 Syngenta file N° CGA 77102/ 0291 MET9800628 , BVL 2662025	N	N	-	SYN	1998	Original EU dossier
KCA 4.2 / 27	IIA1 4.4 / 12	IIA.4.2.2 / 12	Mostert, I.	1997	Determination of Metabolites CGA 351916 and CGA 380168 by Liquid Chromatography in Soil. Novartis Crop Protection AG, Basel, CH Method Description REM 186.06, 08.04.1997 Syngenta file N° CGA 77102/ 0290 MET9800629 , BVL 2662026	N	N	-	SYN	1998	Original EU dossier

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KCA 4.2 / 28	IIA1 4.5 / 01	IIA. 4.2.3 / 01	Perez, R., Vincent, T.	1985	Determination of residues of metolachlor in water by capillary gas chromatography. Ciba-Geigy Corp., Greensboro NC, USA Method Description AG-460, 14.05.1985 Syngenta file N° CGA 24705/0619 MET9800630 , BVL 2662027	N	N	-	SYN	1998	Original EU dossier
KCA 4.2 / 29	IIA1 4.5 / 02	IIA. 4.2.3 / 02	Giannone, C., Formica, G.	1986	Determination of residues of parent compound by high performance liquid chromatography (HPLC), Potable Water Ciba-Geigy Ltd., Basel, CH Method Description REM 6/86, 10.04.1986 Syngenta file N° CGA 24705/ 0620 MET9800631 , BVL 2662028	N	N	-	SYN	1998	Original EU dossier
KCA 4.2 / 30	IIA1 4.5 / 03	IIA.4.2.3 / 03	Mostert Meier, I. Clad, L.	1992	CGA 24705, Determination of residues of parent compound and metabolite CGA 51202 as CGA 112041 by gas chromatography, potable water Ciba-Geigy Ltd., Basel, CH Method Description REM 135/03, 19.08.1992 Syngenta file N° CGA 24705/ 2118 MET9800632 , BVL 2662029	N	N	-	SYN	1998	Original EU dossier

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KCA 4.2 / 31	IIA 4.5 / 04	IIA 4.2.3 / 04	Lütolf, D.	1992	Determination of residues of metabolite 51202 by liquid chromatography, potable water Ciba-Geigy Ltd., Basel, CH Method Description REM 135/04, 14.10.1992 Syngenta file N° CGA24705/2700 MET9800375 , BVL 2662030	N	N	-	SYN	1998	Original EU dossier
CA 4.2 / 32	IIA 4.5 / 05	IIA 4.2.3 / 05	Bachert, J., Vargo, J, and Chamkasem, N.	1994	Analytical method for the determination of metolachlor and its metabolites CGA- 51202, CGA-37735, CGA- 40172, CGA-41638, and CGA-67125 in water and soil by high performance liquid chromatography with mass spectrometric detection including vaa Ciba-Geigy Corp., Greensbo- ro NC, USA Method Description AG-618, 21.07.1994 Syngenta file N° CGA 24705/ 2397 MET9800619	N	N	-	SYN	1998	Original EU dossier
CA 4.2 / 33	IIA 4.5 / 06	IIA 4.2.3 / 06	Tribolet, R.	1997	Determination of Parent Compound by Gas Chroma- tography in Potable Water Novartis Crop Protection AG, Basel, CH Method Description REM 186.05, 14.05.1997 Syngenta file N° CGA 77102/ 0304 MET9800634 , BVL 2662032	N	N	-	SYN	1998	Original EU dossier

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KCA 4.2 / 34	IIA1 4.5 / 07	IIA.4.2.3 / 07	Tribolet, R.	1997	Validation of Method REM 186.05 in Water Novartis Crop Protection AG, Basel, CH Rep No. 138/97 / 14.05.1997 Syngenta file N° CGA 77102/ 0305 MET9800635 , BVL 2662033	N	N	-	SYN	1998	Original EU dossier
CA 4.1.2	IIA1 4.9 / 01	IIA. 4.2.6 / 01	Dieterle, R.	1991	General procedures used for the calculation and interpretation of response functions as well as for the calculation of residues; Ciba-Geigy, Switzerland, Basel, Rep.No. REM-119.04, 14.10.1991 Syngenta file N° N/0256 MET9800206 , BVL 2662038	N	N	-	SYN	1998	Original EU dossier
CA 4.1.2	IIA1 4.9 / 02	IIA. 4.2.6 / 02	Kissling, M.	1995	General procedures used for the calculation and interpretation of response functions as well as for the calculation of residues; Ciba-Geigy, Switzerland, Basel, Rep.No. REM-119.06, 19.05.1995 Syngenta file N° N/0255 MET9800207 , BVL 2662039	N	N	-	SYN	1998	Original EU dossier

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KCA 4.1.2	-	-	Hargreaves, S.	2008	S-Metolachlor - Analytical Method for the Determination of Residues of S-Metolachlor and the Metabolites CGA51202 and CGA354743 in Soil. Non-enantiospecific Method. Final Determination by LC-MS/MS. Syngenta - Jealott's Hill, Bracknell, United Kingdom Syngenta - Jealott's Hill, Bracknell, United Kingdom, GRM016.03A, T012791-05 Not GLP not published Syngenta File No CGA051202_10000 ASB2015-336	N	N	-	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Sole, C.	2008	Validation of Residue Method GRM016.03A for the Determination of S-Metolachlor and its Metabolites CGA51202 and CGA354743 in soil. Syngenta - Jealott's Hill, Bracknell, United Kingdom ADME - Bioanalyses, Vergeze, France, SYN/S-MOC/07001, T013559-05 GLP not published Syngenta File No CGA051202_10001 ASB2015-337	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Hargreaves, S.	2008	S-Metolachlor - Analytical Method for the Determination of Residues of S-Metolachlor and the Metabolites CGA51202 and CGA354743 in Water. Non-enantiospecific method. Final Determination by LC-MS/MS Syngenta - Jealott's Hill, Bracknell, United Kingdom Syngenta - Jealott's Hill, Bracknell, United Kingdom, GRM016.02A, T01275-07 Not GLP not published Syngenta File No CGA077102_10995 ASB2015-338	N	N	-	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Sole, C.	2008	S-Metolachlor - Validation of Residue Method for the Determination of Residues of S-Metolachlor and its Metabolites CGA51202 and CGA354743 in Water. Non-enantiospecific method. Final Determination by LC-MS/MS Syngenta - Jealott's Hill, Bracknell, United Kingdom ADME - Bioanalyses, Vergeze, France, SYN/S-MOC/07002, T001275-07-REG GLP not published Syngenta File No CGA077102_10996 ASB2015-339	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Garrigue, P.	2014	S-metolachlor - Analytical Method GRM016.07A for the Determination of S-Metolachlor Metabolites NOA436611, NOA413173, CGA357704, CGA368208, CGA50720 and CGA50267 in Water Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S13-04902 Not GLP not published Syngenta File No NOA436611_10009 ASB2016-772	N	N	-	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Garrigue, P.	2014	S-metolachlor - Validation of an Analytical Method for the Determination of S-metolachlor Metabolites NOA436611, NOA413173, CGA357704, CGA368208, CGA50720 and CGA50267 in Water Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S13-04902 GLP not published Syngenta File No NOA436611_10008 ASB2016-773	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Meseguer, C.	2014	S-metolachlor - Validation of the Analytical Method for the Determination of Residues of SYN542492, SYN548163, SYN542491, SYN548165, SYN547977, CGA40172 and CGA41507 in surface water and groundwater by LC-MS/MS Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S14-01982-INT1 GLP not published Syngenta File No SYN542492_10010 ASB2016-774	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Robinson, N.	2005	Residue Analytical Method for the Determination of S-Metolachlor in Air Syngenta Crop Protection AG, Basel, Switzerland Syngenta - Jealott's Hill, Bracknell, United Kingdom, RAM 456/01 Not GLP not published Syngenta File No CGA77102/0894 ASB2015-340	N	N	-	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Wolf, S.	2005	Validation of a Residue Analytical Method for S-metolachlor in Air Syngenta Crop Protection AG, Basel, Switzerland RCC Ltd., Itingen, Switzerland, 856140 GLP not published Syngenta File No CGA77102/0891 ASB2015-341	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Tribolet, R	2003	Residue stability study for S-metolachlor (CGA77102) and its metabolites CGA351916 and CGA380168 in water under freezer storage conditions Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 321/00 GLP not published Syngenta File No CGA77102/0651 ASB2016-777	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Holzer, S.	2014	S-Metolachlor - Re-analysis of seven samples from the study IF-11/01817557 for three metabolites of S- Metolachlor: NOA413173, CGA357704 and CGA368208 Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, IF- 13/02787259 GLP not published Syngenta File No NOA413173_10005 ASB2016-788	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Garrigue, P.	2014	S-Metolachlor - Storage Stability of Residues of S- Metolachlor metabolites NOA436611, NOA413173, CGA357704, CGA368208, CGA50720 and CGA50267 in Water Stored Frozen for up to 2 Years Syngenta Eurofins Agrosience Ser- vices Chem SAS, Vergèze, France, S13-05159 GLP not published Syngenta File No NOA436611_10018 ASB2016-771	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Vargo, J., Rezaaiyan, R.	1999	Analytical Method of the Determination of CGA 77102 and Degradates CGA 51202, CGA 354743, and CGA 37735 in Soil and Thatch, and CGA 77102 in Grass by High Performance Liquid Chromatography with Mass Spectrometric Detection Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection Inc., Greensboro, USA, 127-99 GLP not published Syngenta File No CGA77102/0512 ASB2016-784	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Evans, P.G.	2002	Independent Laboratory Validation of an Analytical Method for the Determina- tion of CGA-77102 and Degradates CGA-51202, CGA-354743, and CGA- 37735 in Soil and Thatch, and CGA-77102 in Grass by high Performance Liquid Chroma- tography with Mass Spectro- metric Syngenta - Jealott's Hill International, Bracknell, Berkshire, United Kingdom Syngenta - Jealott's Hill International, Bracknell, Berkshire, United Kingdom, RJ3292B Jealott's Hill No., Syngenta No. 52-99 GLP not published Syngenta File No CGA77102/0656 ASB2016-791	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Tribolet, R.	1998	Determination of parent compound by gas chromatog- raphy and the metabolites CGA 351916 and CGA 380168 by liquid chromatog- raphy, Water Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Basel, Switzerland, REM 186.07 Not GLP not published Syngenta File No CGA77102/0396 ASB2015-727	N	N	-	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Tribolet, R.	1998	Validation of Method REM 186.07 by Analysis of Fortified Water Specimens for S-Metolachlor and its Metabolites CGA 351916 and CGA 380168 and Evaluation of Recoveries Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Basel, Switzerland, 185/97 GLP not published Syngenta File No CGA77102/0397 MET2000-145	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Figueiredo, J.N.	2003	Determination of CGA77102 (S-metolachlor) and its Metabolites CGA351916 and CGA380168 in Water by LC-MS/MS Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, REM 186.08 GLP not published Syngenta File No CGA77102/0680 ASB2016-790	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Vargo, J.	1998	Determination of Metolachlor (CGA-24705) and CGA-77102 and their degradates CGA-51202, CGA-354743, CGA-380168, CGA-37735, CGA-67125 and CGA-41638 in water by high performance liquid chromatography with mass spectrometric detection incl. validation data Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection Inc., Greensboro, USA, AG-682 GLP not published Syngenta File No CGA24705/2727 ASB2016-785	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Tribolet, R.	2005	Method (RCC856132) and Validation of Residue Analytical Method for S-metolachlor (CGA77102) and its Metabolites CGA380168 and CGA351916 in Ground and Surface Water Syngenta Crop Protection AG, Basel, Switzerland RCC Ltd., Itingen, Switzerland, 856132 GLP not published Syngenta File No CGA77102/0893 ASB2016-776	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Hargreaves, S.	2005	Residue analytical method for the determination of residues of Metolachlor metabolites NOA436611, NOA413173, CGA357704, CGA368208, CGA50720 and CGA50267 in surface water, groundwater and drinking water Syngenta Crop Protection AG, Basel, Switzerland Syngenta - Jealott's Hill, Bracknell, United Kingdom, RAM 473/01 Not GLP not published Syngenta File No CGA77102/0948 ASB2016-789	N	N	-	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Meyer, M.	2013	S-Metolachlor - Analytical Method GRM016.05A for the Determination of S-Metolachlor in Crops Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, GRM016.05A Not GLP not published Syngenta File No CGA077102_11146 ASB2016-778 , BVL 2771119	N	N	-	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Meyer, M.	2013	S-Metolachlor - Validation of an Analytical Method (GRM016.05A) for the Determination of Residues of S-Metolachlor (CGA77102) in Plant Matrices Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, IF-12/02188555 GLP not published Syngenta File No CGA077102_11119 ASB2016-779 , BVL 2771120	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Giannone, C.	2002	Terbutylazine and S-Metolachlor: Determination of Residues of Parent compounds and GS 26379 by gas chromatography (GC-MS) and of GS 28620 by High Performance Liquid chromatography (HPLC) Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, REM 201.01 VALIDATED Not GLP not published Syngenta File No GS13529/1789 ASB2011-14092 , BVL 2771121	N	N	-	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Giannone, C.	2002	Validation of Method REM 201.01: Validation by Analysis of Wheat grain, Maize whole plant, Oranges and Rape Seeds fortified with GS 13529, CGA 77102, GS 26379 and GS 28620 and Determination of Recoveries Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 02-S307 GLP not published Syngenta File No GS13529/1790 ASB2011-14095 , BVL 2771122	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Benazeraf L.	2004	Independent Laboratory Validation of Residue Method REM 201.01 for the Determination of S-metolachlor (CGA77102) in Wheat Grain and Maize Whole Plant Syngenta Crop Protection AG, Basel, Switzerland ADME - Bioanalyses, Vergeze, France, S-MOC/04051 GLP not published Syngenta File No CGA77102/0850 ASB2015-335 , BVL 2771123	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Gemrot, F.	2014	S-metolachlor - Analytical Method GRM016.04A for the Determination of CGA133275 in Crops Syngenta Eurofins Agrosience Ser- vices Chem SAS, Vergèze, France, GRM016.04A Not GLP not published Syngenta File No CGA133275_10002 ASB2016-786 , BVL 2771124	N	N	-	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Gemrot, F.	2013	S-metolachlor - Validation of the Method GRM016.04A for the Determination of CGA133275 in Crops Syngenta Eurofins Agrosience Ser- vices Chem SAS, Vergèze, France, S12-04142 GLP not published Syngenta File No CGA133275_10000 ASB2016-787 , BVL 2771125	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 4.2 / 01	-	-	Giannone C.	2002	Terbutylazine and S-Metolachlor: Determination of Residues of Parent compounds and GS 26379 by gas chromatography (GC-MS) and of GS 28620 by High Performance Liquid chromatography (HPLC) Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, REM 201.01 VALIDATED Not GLP not published Syngenta File No GS13529/1789 ASB2011-14092 , BVL 2785298	N	N	-	SYN	2015	Supplementary dossier
CA 4.2 / 02	-	-	Giannone C.	2002	Validation of Method REM 201.01: Validation by Analysis of Wheat grain, Maize whole plant, Oranges and Rape Seeds fortified with GS 13529, CGA 77102, GS 26379 and GS 28620 and Determination of Recoveries Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 02-S307 GLP not published Syngenta File No GS13529/1790 ASB2011-14095 , BVL 2785299	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 4.2 / 03	-	-	Benazeraf L.	2004	Independent Laboratory Validation of Residue Method REM 201.01 for the Determination of S-metolachlor (CGA77102) in Wheat Grain and Maize Whole Plant Syngenta Crop Protection AG, Basel, Switzerland ADME - Bioanalyses, Vergeze, France, S-MOC/04051 GLP not published Syngenta File No CGA77102/0850 ASB2015-335 , BVL 2884548	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.2	-	-	Class T., Richter S.	2014	S-Metolachlor - Validation of the QuEChERS Method for the Determination of Residues of S-Metolachlor in Crop Matrices by LC MS/MS Syngenta PTRL Europe, Ulm, Germany, PTRL Europe ID P 3415 G GLP not published Syngenta File No CGA077102_11254 ASB2016-794 , BVL 2771126	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.2	-	-	Miller, C.	2016	S-Metolachlor (CGA77102) - Independent Laboratory Validation of the QuEChERS Method for the Determination of Residues of S-Metolachlor in Crop Matrices by LC- MS/MS CGA077102_11424!SC36BM GLP: Y/GEP: O Published: N 3394474 ASB2017-13201	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2017	Supplementary dossier
KCA 4.2	-	-	Richter, S.	2016	S-Metolachlor (CGA77102): Validation of the QuEChERS Method for the Determination of Residues of S-Metolachlor in Animal Matrices by LC- MS/MS CGA077102_11422!P 4183 G GLP: Y/GEP: O Published: N 3394475 ASB2017-13207	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2017	Supplementary dossier
KCA 4.2	-	-	Allen, L.	2017	S-Metolachlor (CGA77102) - Independent Laboratory Validation of the QuEChERS Method for the Determination of Residues of S-Metolachlor in Animal Matrices by LC- MS/MS CGA077102_11472!CEMR- 7997 GLP: Y/GEP: O Published: N 3394476 ASB2017-13208	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2017	Supplementary dossier

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KCA 4.2	-	-	Hargreaves S	2008	S-Metolachlor - Analytical Method for the Determination of Residues of S-Metolachlor and the Metabolites CGA51202 and CGA354743 in Soil. Non-enantiospecific Method. Final Determination by LC-MS/MS. Syngenta - Jealott's Hill, Bracknell, United Kingdom Syngenta - Jealott's Hill, Bracknell, United Kingdom, GRM016.03A, T012791-05 Not GLP not published Syngenta File No CGA051202_10000 ASB2015-336, BVL 2785291	N	N	-	SYN	2015	Supplementary dossier
KCA 4.2	-	-	Sole C	2008	Validation of Residue Method GRM016.03A for the Determination of S-Metolachlor and its Metabolites CGA51202 and CGA354743 in soil. Syngenta - Jealott's Hill, Bracknell, United Kingdom ADME - Bioanalyses, Vergeze, France, SYN/S-MOC/07001, T013559-05 GLP not published Syngenta File No CGA051202_10001 ASB2015-337, BVL 2785292	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.2	-	-	Hargreaves S	2008	S-Metolachlor - Analytical Method for the Determination of Residues of S-Metolachlor and the Metabolites CGA51202 and CGA354743 in Water. Non-enantiospecific method. Final Determination by LC-MS/MS Syngenta - Jealott's Hill, Bracknell, United Kingdom Syngenta - Jealott's Hill, Bracknell, United Kingdom, GRM016.02A, T01275-07 Not GLP not published Syngenta File No CGA077102_10995 ASB2015-338, BVL 2785293	N	N	-	SYN	2015	Supplementary dossier
KCA 4.2	-	-	Sole C	2008	S-Metolachlor - Validation of Residue Method for the Determination of Residues of S-Metolachlor and its Metabolites CGA51202 and CGA354743 in Water. Non-enantiospecific method. Final Determination by LC-MS/MS Syngenta - Jealott's Hill, Bracknell, United Kingdom ADME - Bioanalyses, Vergeze, France, SYN/S-MOC/07002, T001275-07-REG GLP not published Syngenta File No CGA077102_10996 ASB2015-339, BVL 2785294	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.2	-	-	Meseguer C.	2014	S-metolachlor - Validation of the Analytical Method for the Determination of Residues of SYN542492, SYN548163, SYN542491, SYN548165, SYN547977, CGA40172 and CGA41507 in surface water and groundwater by LC-MS/MS Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S14-01982-INT1 GLP not published Syngenta File No SYN542492_10010 ASB2016-774, BVL 2785295	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.2	IIA1 4.7 / 01	IIA.4.2.4 / 01	Tribolet, R.	1997	Validation by Analysis of Fortified Specimens and Determination of Recoveries Novartis Crop Protection AG, Basel, CH Rep No.100/ 97, 18.03.1997 Syngenta file N° CGA 77102/ 0293 MET9800636	N	N	-	SYN	1998	Original EU dossier
KCA 4.2	IIA1 4.7 / 02	IIA.4.2.4 / 02	Tribolet, R.	1997	Determination of Parent Compound by Gas chromatography in Air Novartis Crop Protection AG, Basel, CH Method Description REM 186.04, 18.04.1997 Syngenta file N° CGA 77102/ 0292 MET9800637	N	N	-	SYN	1998	Original EU dossier

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KCA 4.2	-	-	Robinson N.	2014	S-Metolachlor - Independent Lab Validation of Analytical Method GRM016.02A for the Determination of S-Metolachlor and the Metabolites CGA51202 and CGA354743 in Water Syngenta Innovative Environmental Services, Witterswil, Switzerland, 20130210 GLP not published Syngenta File No CGA077102_11279 ASB2016-793 , BVL 2771127	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.2	-	-	Richardson M., Cashmore A.	2014	S-Metolachlor - Independent Lab Validation of Analytical Method GRM016.02A for the Determination of Residues in Water Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, 3200748 GLP not published Syngenta File No CGA077102_11313 ASB2016-792 , BVL 2771128	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.2	-	-	Robinson N.	2005	Residue Analytical Method for the Determination of S- Metolachlor in Air Syngenta Crop Protection AG, Basel, Switzerland Syngenta - Jealott's Hill, Bracknell, United Kingdom, RAM 456/01 Not GLP not published Syngenta File No CGA77102/0894 ASB2015-340, BVL 2785296	N	N	-	SYN	2015	Supplementary dossier
KCA 4.2	-	-	Wolf S.	2005	Validation of a Residue Analytical Method for S- metolachlor in Air Syngenta Crop Protection AG, Basel, Switzerland RCC Ltd., Itingen, Switzer- land, 856140 GLP not published Syngenta File No CGA77102/0891 ASB2015-341, BVL 2785297	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	O'Loughlin, C.K. Salamon, C.M. Smith, S.H. Casey, H.W.	1981	Two-generation reproduction study in albino rats with metolachlor technical Toxigenics, Inc., Decatur, IL 62526, USA Report No. 450-0272, 31.08.1981 Syngenta file N° CGA 24705/1903 GLP not published TOX9800334 , BVL 3289396	Y	N	-	SYN	1998	Original EU dossier

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KCA 4.1.2	-	-	Khalil, S.	1995	CGA 77102 - Rat Oral Teratogenicity Ciba-Geigy Ltd., Stein, Switzerland Report No. 941058, 28.08.1995, Amended 13.09.95 Syngenta file N° CGA 77102/0041 GLP not published TOX9800338 , BVL 3289405	Y	N	-	SYN	1998	Original EU dossier
KCA 4.1.2	-	-	Dobovetzky, M.	1999	CGA 354743 tech. - Rat oral teratogenicity Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Stein, Switzerland, 981009 GLP not published Syngenta File No CGA354743/0021 ASB2016-766 , BVL3289216	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Fankhauser, H.	1995	28 days subacute oral toxicity study in rats (administration in food) - Comparison of toxicity profiles between CGA 77102 tech and CGA 24705 tech. Ciba-Geigy Ltd., Stein, Switzerland Report N° 941059, 09.08.1995 Syngenta file N° CGA 24705/2506 GLP not published TOX9800163 , BVL 3289429	Y	N	-	SYN	1998	Original EU dossier

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KCA 4.1.2	-	-	Fankhauser, H.	1999	3-month oral toxicity study in rats. (Administration in Food); test no. 971144 GLP not published ASB2015-10977 , BVL 3289222	Y	-	-	SYN	-	-
KCA 4.1.2	-	-	Fankhauser, H.	1999	3-month oral toxicity study in rats. (Administration in Food); test no. 971143 GLP not published ASB2015-10978 , BVL 3289224	Y	-	-	SYN	-	-
KCA 4.1.2	-	-	Chang, J.C.F.	1995	CGA 77102 Technical - 90-day dietary toxicity study in dogs Ciba-Geigy Corp., Environmental Health Center, Farmington, CT, USA Report N° F-00193, 14.06.1995 Syngenta file N° CGA 77102/0033 GLP not published TOX9800165 , BVL3289787	Y	N	-	SYN	1998	Original EU dossier
KCA 4.1.2	-	-	Hazelette, J. R. Arthur, A. T.	1989	Metolachlor Technical - 13/52-week oral toxicity study in dogs Ciba-Geigy Corporation, Summit, NJ, USA Report N° 88086 (MIN 862253), 23.01.1989 Syngenta file N° CGA 24705/1879 GLP not published TOX9800311 , BVL 3289793	Y	N	-	SYN	1998	Original EU dossier

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KCA 4.1.2	-	-	Hertner, Th.	1995	CGA 77102 - Micronucleus test, mouse Ciba-Geigy Limited, Genetic Toxicology, 4002 Basel / Switzerland Report N° 941061, 22.5.1995 Syngenta file N° CGA 77102/0032 GLP not published TOX9800186 , BVL 3289808	Y	N	-	SYN	1998	Original EU dossier
KCA 4.1.2	-	-	Hertner, Th.	1995	CGA 77102 - In vivo/in vitro unscheduled DNA synthesis in rat hepatocytes Ciba-Geigy Limited, Genetic Toxicology, 4002 Basel / Switzerland Report N° 941062, 8.6.1995 Syngenta file N° CGA 77102/0036 GLP not published TOX9800184 , BVL 3289815	Y	N	-	SYN	1998	Original EU dossier
KCA 4.1.2	-	-	Meyer, M.	2013	S-metolachlor - Residue Study on Sunflower in Germany and United Kingdom in 2011 Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, TK0055810-REG GLP not published Syngenta File No A9396G_11029 ASB2016-802	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Meyer, M.	2014	S-metolachlor - Residue Study on Sunflower in South- ern France and Spain in 2011 Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, TK055809-REG GLP not published Syngenta File No A9396G_11223 ASB2016-801	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Meyer, M.	2014	S-metolachlor - Residue Study on Maize in Germany, Northern France and the United Kingdom in 2011 Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, TK0055814-REG GLP not published Syngenta File No A9396G_11226 ASB2016-800	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Meyer, M.	2014	S-metolachlor - Residue Study on Maize in Southern France and Spain in 2011 Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, TK0055813-REG GLP not published Syngenta File No A9396G_11227 ASB2016-799	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Gemrot, F.	2014	S-metolachlor - Residue Study on Rotational Crops in the United Kingdom and Germany in 2012 and 2013 Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S12-00865 GLP not published Syngenta File No A9396G_11233 ASB2016-798	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Gemrot, F.	2014	S-metolachlor - Residue Study on Rotational Crops in southern France and Spain from 2012 to 2015 Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S12-00866 GLP not published Syngenta File No A9396G_11244 ASB2016-797	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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KCA 4.1.2	-	-	Gemrot F.	2013	S-Metolachlor - Storage Stability of Metabolite CGA133275 in Various Crops under Frozen Storage Condi- tions for up to 6 Months Syngenta Eurofins Agroscience Ser- vices Chem SAS, Vergèze, France, S12-03335 GLP not published Syngenta File No CGA133275_10001 ASB2016-796	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 4.1.2	-	-	Tribolet, R.	1997	Residue Stability Study for S- Metolachlor (Parent Com- pound) in Maize Grain and Fodder, Potatoes and Soy- beans under Freezer Storage Conditions Report no. CGA77102/0569 ! 183/97 ASB2016-3562	N	-	-	-	-	-
KCA 4.1.2	-	-	Curwin, B.D., Hein, M.J., Barr, D.B. and Striley, C.	2010	Comparison of immunoassay and HPLC-MS/MS used to measure urinary metabolites of atrazine, metolachlor, and chlorpyrifos from farmers and non-farmers in Iowa, Journal of Exposure Science and Environmental Epidemiology, 20 2, 205-212 ASB2017-1092 , BVL 3294168	N	N	Add	LIT	-	-

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KCA 4.1.2	-	-	Norrgran, J., Bravo, R., Bishop, A.M., Restrepo, P., Whitehead, R.D., Needham, L.L., Barr, D.B.	2006	Quantification of six herbicide metabolites in human urine, Journal of Chromatography B, 830, 185-195 ASB2017-1094 , BVL 3294172	N	N	Add	LIT	-	-

Product (A9396G)

CP point / reference number Reg. 284/2013	Annex point / reference number OECD	Annex point / reference number EU Rev. 8	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not BVL registration number	Vertebrate study Y/N	Data Protection Claimed Y/N	Justification if data protection is claimed	Owner (1)	Date of submission	Submitted with
CP 5.1.1 /01	IIIA5.2.1 / 01	IIIA5.1 / 01	Lai G.	1995	Analytical Method CGA 77102 in formulation (A-9396 B) Ciba-Geigy Muenchwilen AG, Muenchwilen, Switzerland Met. N° AF-1182 / 1, 05.04.1995 Novartis file N° 77102 / 294	N	N	-	SYN	1998	Original EU dossier
CP 5.1.1 /02	IIIA5.2.1 / 02	IIIA5.1 / 02	Roth M.	1997	Report on validation of Analytical Method AF-1182 /1 Novartis Crop Protection Muenchwilen AG, Muenchwilen, Switzerland; Rep N° 31641, 06.05.1997 Novartis file N° 77102 / 295	N	N	-	SYN	1998	Original EU dossier

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CP 5.1.1 / 03	-	-	De Benedictis S.	2013	Analytical method SF-666/1 - Determina- tion of S-metolachlor in formulation EC (960), by HPLC Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 10541622 Not GLP not published Syngenta File No A9396G_11238 2771499	N	N	-	SYN	2015	Supplementary dossier
CP 5.1.1 / 04	-	-	Abraham N.	2013	A9396G - Validation of analytical method SF-666/1 Syngenta Syngenta Biosciences Pvt. Ltd., Ilhas Goa, India, SMG12373 GLP not published Syngenta File No A9396G_11237 2771500	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2015	Supplementary dossier

A.6 Toxicology and metabolism data

Active substance

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CA 5.1	IIA1 5.1 / 01	IIA 5.1 / 01	Hamböck, H.	1974	Degradation and Excretion of CGA 24705 in the Rat Ciba-Geigy Ltd., Basle, Switzerland Rep. N° 1/74, 08.01.1974 Syngenta file N° CGA 27405/1880 TOX9800286 , BVL 2662040	Y	N	-	SYN	1998	Original EU dossier
CA 5.1	IIA1 5.1 / 02	IIA 5.1 / 02	Hamböck, H.	1974	Metabolism of CGA 24705 in the Rat Ciba-Geigy Ltd., Basle, Switzerland Rep. N° 7/74, 27.06.1974 Addendum 1, (Project Report 12/74), 10.12.1974 Addendum 2, (Project Report 1/77), 03.01.1977 Syngenta file N° CGA 27405/1881 TOX9800287 , BVL 2662041	Y	N	-	SYN	1998	Original EU dossier
CA 5.1	IIA1 5.1 / 03	IIA 5.1 / 03	Mücke, W	1981	New Feces Metabolites of CGA 24705 in the Rat Ciba-Geigy Ltd., Basle, Switzerland Rep. N° 26/81, 20.08.1981 Syngenta file N° CGA 27405/1884 TOX9800288 , BVL 2662042	Y	N	-	SYN	1998	Original EU dossier
CA 5.1	IIA1 5.1 / 04	IIA 5.1 / 04	Williams, S.C. Marco, G.J.	1984	Advanced product chemistry - Depletion of ¹⁴ C-metolachlor in the red blood cells of orally dosed male rats Biochemistry Department, Agricultural Division, Ciba-Geigy Corporation , Greensboro, NC, USA Report N° ABR-85081, 03.09.1985 Syngenta file N° CGA 24705/1886 TOX2003-1576 , BVL 2662043	Y	N	-	SYN	1998	Original EU dossier

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CA 5.1	IIA1 5.1 / 05	IIA 5.1 / 05	Orr, G.R. Simoneaux, B.J.	1987	Advanced product chemistry - Disposition of metolachlor in the rat Ciba-Geigy Corp., Greensboro, NC, USA Rep. N° ABR-86111, 17.02.1987 Syngenta file N° CGA 27405/1887 TOX9800290 , BVL 2662044	Y	N		SYN	1998	Original EU dossier
CA 5.1	IIA1 5.1 / 06	IIA 5.1 / 06	Momose, Y.	1988	Absorption and Distribution of ¹⁴ C- Metolachlor (CGA-24705) in Rat Institute of Whole Body Metabolism, 340- 2, Nauchi, Shiraimachi, Inba-Gun, Chiba, Japan Rep. N° CG-8801, 31.10.1988 Syngenta file N° CGA 27405/2454 TOX9800291 , BVL 2662045	Y	N	-	SYN	1998	Original EU dossier
CA 5.1	IIA1 5.1 / 07	IIA 5.1 / 07	Cheng, T.	1992	Metabolism of [Phenyl U- ¹⁴ C]-Metolachlor in Rats (Preliminary and Definitive Phases) Hazleton Wisconsin, Madison, WI, USA Rep. N° HWI 6117-208, 08.12.1992 Report amendment N° 1, 07.09.1993 Report amendment N° 2, 11.03.1994 Syngenta file N° CGA 27405/2219 TOX9800292 , BVL 2662046	Y	N	-	SYN	1998	Original EU dossier
CA 5.1	IIA1 5.1 / 08	IIA 5.1 / 08	Capps, T.M. Brown, K.	1994	Characterization and Identification of Metabolites in Rats Treated with ¹⁴ C- Metolachlor Ciba-Geigy Corp., Greensboro, NC, USA Rep. N° ABR-94001, 11.03.1994 Syngenta file N° CGA 27405/2350 TOX9800293 , BVL 2662047	Y	N	-	SYN	1998	Original EU dossier
CA 5.1	IIA1 5.1 / 09	IIA 5.1 / 09	Müller, T.	1996	Absorption, Distribution, and Excretion of [Phenyl-U- ¹⁴ C] CGA 77102 in the Rat Animal Metabolism, Division Crop Protec- tion, Ciba-Geigy Ltd., Basle, Switzerland Rep. N° 15/96, 01.11.96 Syngenta file N° CGA 77102/0181 TOX9800172 , BVL 2662048	Y	N	-	SYN	1998	Original EU dossier

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CA 5.1	IIA1 5.1 / 10	IIA 5.1 / 10	Müller, T.	1996	Comparison of Metabolite Pattern in Rat Excreta After Administration of [Phenyl-U- ¹⁴ C] CGA 77102 and [Phenyl-U- ¹⁴ C] CGA 24705 Animal Metabolism, Ciba-Geigy Ltd., Basle, Switzerland Rep. N° 18/96, 22.11.1996 Syngenta file N° CGA 24705/2645 TOX9800173 , BVL 2662049	Y	N	-	SYN	1998	Original EU dossier
CA 5.1	IIA1 5.1 / 11	IIA 5.1 / 11	Van de Sandt, J.J.M.	1997	In vitro percutaneous absorption of [Phenyl-U- ¹⁴ C] CGA 77102 formulated as A-9396 B (EC 960) through rat and human epidermis TNO Nutrition and Food Research Institute, Toxicology Division, 3700 AJ Zeist, The Netherlands Report N° V97.435, 27.05.1997 Syngenta file N° CGA 77102/0316 TOX9800296, BVL 2662050	N	N	-	SYN	1998	Original EU dossier
CA 5.1	IIA1 5.1 / 12	IIA 5.1 / 12	de Bie, A.Th.H.J.	1997	A dermal absorption study with [Phenyl-U- ¹⁴ C] CGA 77102 formulated as A-9396 B (EC 960) in rats TNO Nutrition and Food Research Institute, Toxicology Division, 3700 AJ Zeist, The Netherlands Report N° V97.392, 28.05.1997 Syngenta file N° CGA 77102/0317 TOX9800175, BVL 2662051	Y	N	-	SYN	1998	Original EU dossier
CA 5.1	IIA1 5.1 / 13	IIA 5.1 / 13	Mewes, K.	1998	Determination of soil metabolites CGA 354743, CGA 368208 and CGA 357704 in excreta of rats administered [Phenyl-U- ¹⁴ C] CGA 77102 Novartis Crop Protection AG, Basel, Switzerland Report No. 030AM07, 06.05.1998 GLP, unpublished Syngenta file N° CGA 77102/0532 TOX2000-1253 , BVL 2662052	Y	N	-	SYN	1998	Original EU dossier and Supplementary Dossier

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CA 5.1.1	-	-	Mewes K.	1998	Determination of the soil metabolites CGA 354743, CGA 368208 and CGA 357704 in excreta of rats, administered [Phenyl-U-14C] CGA 77102 Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Basel, Switzerland, 030AM07 GLP not published Syngenta File No CGA77102/0532	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.1.1	-	-	Wake A.	2002	CGA 51202 / CGA 354743: Absorption and metabolism of a single oral dose in the dog Syngenta Crop Protection AG, Basel, Switzerland Central Toxicology Laboratory (CTL), Cheshire, United Kingdom, CTL/UD0688/REG/REPT GLP not published Syngenta File No CGA51202/0047 ASB2016-756 , BVL 2771130	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.1.1	-	-	Hassler S.	2002	Disposition of [Phenyl-U-14C] CGA 51202. a metabolite of CGA 77102, in bile-duct cannulated rats after oral administration Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 030AM09 GLP not published Syngenta File No CGA51202/0050 ASB2016-748 , BVL 2771131	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.1.1	-	-	Booth E.	2003	Yearly S-Metolachlor Lysimeter Leachate without CGA51202 and CGA354743: Disposition of Non-Identified S-Metolachlor Related Radioactivity of Lysimeter Leachate in Bile-Duct Cannulated Rats after Oral Administration Syngenta Crop Protection AG, Basel, Switzerland Central Toxicology Laboratory (CTL), Cheshire, United Kingdom, CTL/UR0781/REG/REPT GLP not published Syngenta File No CGA51202/0054 ASB2016-755 , BVL 2771132	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.1.1	-	-	Hassler S.	1999	Disposition of [Phenyl-U-14C] CGA 376944, a sulfonic acid soil metabolite of CGA 77102, in bile-duct cannulated rats after oral administration Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Basel, Switzerland, 030AM08 GLP not published Syngenta File No CGA376944/0004 ASB2016-749 , BVL 2771133	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.2.1	IIA1 5.2.1 / 01	IIA 5.2.1 / 01	Schoch, M.	1994	CGA 77102 - Acute oral toxicity study in the rat. Ciba-Geigy Toxicology Services, Short-Term Toxicology, 4332 Stein/ Switzerland Report N° 941056, 21.7.94 Syngenta file N° CGA 77102/0013 TOX9800154 , BVL 2662053	Y	N	-	SYN	1998	Original EU dossier

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CA 5.2.1	IIA1 5.2.1 / 02	IIA 5.2.1 / 02	Glaza, S.M.	1994	Acute oral toxicity study of CGA 77102 in rats. Hazleton Wisconsin, Inc. Madison, Wisconsin USA Report N° HWI 40702449, 23.11.1994 Syngenta file N° CGA 77102/0018 TOX9800155 , BVL 2662054	Y	N	-	SYN	1998	Original EU dossier
CA 5.2.1	IIA1 5.2.1 / 03	IIA 5.2.1 / 03	Winkler, G.	1996	CGA 77102 - Acute oral toxicity study in the mouse Ciba-Geigy Toxicology Services, Short-Term Toxicology, 4332 Stein/ Switzerland Report N° 961118, 22.10.1996 Syngenta file N° CGA 77102/0176 TOX9800158 , BVL 2662055	Y	N	-	SYN	1998	Original EU dossier
CA 5.2.1	-	-	Matting E.	2014	S-metolachlor tech. - Acute Oral Toxicity Study in the Rat (Up and Down Procedure) Syngenta CiToxLAB Hungary Ltd, Szabadsagpuszta, Hungary, 13/291-001P GLP not published Syngenta File No CGA077102_11194 ASB2016-761 , BVL 2771134	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.2.2	IIA1 5.2.2 / 01	IIA 5.2.2 / 01	Glaza, S.M.	1994	Acute dermal toxicity study of CGA 77102 in rabbits. Hazleton Wisconsin, Inc. Madison, Wisconsin USA Report N° HWI 40702450, 7.10.1994 Syngenta file N° CGA 77102/0019 TOX9800156 , BVL 2662056	Y	N	-	SYN	1998	Original EU dossier
CA 5.2.3	IIA1 5.2.3 / 01	IIA 5.2.3 / 01	Holbert, M. S.	1995	CGA 77102 - Acute inhalation toxicity study in rats Stillmeadow Inc., Sugar Land TX, USA Report N° 1970-95, 22.09.1995 Syngenta file N° CGA 77102/0043 TOX9800157 , BVL 2662057	Y	N	-	SYN	1998	Original EU dossier

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CA 5.2.4	IIA1 5.2.4 / 01	IIA 5.2.4 / 01	Glaza, S.M.	1994	CGA 77102 - Primary dermal irritation study in rabbits. Hazleton Wisconsin, Inc. Madison, Wis- consin USA Report N° HWI 40702451, 5.10.1994 Syngenta file N° CGA 77102/0020 TOX9800159 , BVL 2662058	YY	N	-	SYN	1998	Original EU dossier
CA 5.2.5	IIA1 5.2.5 / 01	IIA 5.2.5 / 01	Glaza, S.M.	1994	CGA 77102 - Primary eye irritation study in rabbits. Hazleton Wisconsin, Inc. Madison, Wis- consin USA Report N° HWI 40702452, 5.10.1994 Syngenta file N° CGA 77102/0021 TOX9800160 , BVL 2662059	Y	N	-	SYN	1998	Original EU dossier
CA 5.2.6	IIA1 5.2.6 / 01	IIA 5.2.6 / 01	Marty, J.H.	1994	CGA 77102 - Skin sensitization test in the Guinea pig - Maximization test Ciba-Geigy Toxicology Services, Short- Term Toxicology, 4332 Stein/ Switzerland Report N° 941069, 16.09.1994 Syngenta file N° CGA 77102/0015 TOX9800161 , BVL 2662060	Y	N	-	SYN	1998	Original EU dossier
CA 5.2.6	IIA1 5.2.6 / 02	IIA 5.2.6 / 02	Glaza, S.M.	1994	Dermal sensitization study of CGA 77102 tech. in Guinea pigs - Closed patch tech- nique Hazleton Wisconsin, Inc. Madison, Wisconsin USA Report N° HWI 40702453, 18.11.1994 Syngenta file N° CGA 77102/0022 TOX9800162 , BVL 2662061	Y	N	-	SYN	1998	Original EU dossier

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CA 5.2.7	-	-	Gehrke H.	2014	S-metolachlor - In Vitro 3T3 NRU Phototoxicity Test Syngenta BSL Bioservice Scientific, Planegg, Germany, 141544 GLP not published Syngenta File No CGA077102_11257 ASB2016-764 , BVL 2771135	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.3.1	IIA1 5.3.1 / 01	IIA 5.3.1 / 01	Fankhauser, H.	1995	28 days subacute oral toxicity study in rats (administration in food) - Comparison of toxicity profiles between CGA 77102 tech and CGA 24705 tech. Ciba-Geigy Ltd., Stein, Switzerland Report N° 941059, 09.08.1995 Syngenta file N° CGA 24705/2506 TOX9800163 , BVL 2662062	Y	N	-	SYN	1998	Original EU dossier
CA 5.3.2	IIA1 5.3.2 / 01	IIA 5.3.2 / 01	Coquet, B. Galland, L. Guyot, D. Fouillet, X. Rouaud, J. L.	1974	Three-month oral toxicity test of CGA 24705 in dog. The Oncins Research and Breeding Center Report N° 740119, 01.03.1974 Syngenta file N° CGA 24705/1872 TOX9800308 , BVL 2662063	Y	N	-	SYN	1998	Original EU dossier
CA 5.3.2	IIA1 5.3.2 / 02	IIA 5.3.2 / 02	Coquet, B. Galland, L. Guyot, D. Fouillet, X. Rouaud, J. L.	1974	Three-month oral toxicity trial of CGA 24705 in rats The Oncins Research and Breeding Center Report N° IC-DREB-R 740120, 01.03.1974 and updated by report N° IC- DREB-R 741009, 08.10.1974 Syngenta file N° CGA 24705/1870 TOX9800309 , TOX9800310 , BVL 2662064	Y	N	-	SYN	1998	Original EU dossier

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CA 5.3.2	IIA1 5.3.2 / 03	IIA 5.3.2 / 03	Hazelette, J. R. Arthur, A. T.	1989	Metolachlor Technical - 13/52-week oral toxicity study in dogs Ciba-Geigy Corporation, Summit, NJ, USA Report N° 88086 (MIN 862253), 23.01.1989 Syngenta file N° CGA 24705/1879 TOX9800311 , BVL 2662065	Y	N	-	SYN	1998	Original EU dossier
CA 5.3.2	IIA1 5.3.2 / 04	IIA 5.3.2 / 04	Chang, J.C.F.	1995	CGA 77102 Technical - 13-week oral toxicity study in rats, Ciba-Geigy Corp., Environmental Health Center, Farmington, CT, USA Report N° F-00191, 21.02.1995 Syngenta file N° CGA 77102/0035 TOX9800164 , BVL 2662066	Y	N	-	SYN	1998	Original EU dossier
CA 5.3.2	IIA1 5.3.2 / 05	IIA 5.3.2 / 05	Chang, C.F.	1995	CGA 77102 Technical - 90-day dietary toxicity study in dogs Ciba-Geigy Corp., Environmental Health Center, Farmington, CT, USA Report N° F-00193, 14.06.1995 Syngenta file N° CGA 77102/0033 TOX9800165 , BVL 2662067	Y	N	-	SYN	1998	Original EU dossier
CA 5.3.3	IIA1 5.3.7 / 01	IIA 5.3.3 / 01	Mastrocco, F. Huber, K. Schiavo, D. M. Hazelette, J. R. Green, J. D.	1987	Metolachlor Technical - 21-day dermal toxicity study in rabbits Ciba-Geigy Corporation, Summit, NJ, USA Report N° 86141 (MIN 862012), 16.11.1987 Syngenta file N° CGA 24705/1907 TOX9800314 , BVL 2662068	Y	N	-	SYN	1998	Original EU dossier

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CA 5.4.1	IIA1 5.4.1 / 01	IIA 5.4.1 / 01	Arni, P.	1976	CGA 24705 - Salmonella /mammalian- microsome mutagenicity test Ciba-Geigy Limited, Pharmaceutical Division, 4002 Basel / Switzerland Report N° 941060, 30.08.1976 Syngenta file N° CGA 24705/ 1892 Z42457 , BVL 2662069	N	N	-	SYN	1998	Original EU dossier
CA 5.4.1	IIA1 5.4.1 / 02	IIA 5.4.1 / 02	Puri, E.	1984	CGA 24705 - Autoradiographic DNA repair test on rat hepatocytes Ciba-Geigy Limited, Experimental Patho- logy, 4002 Basel/ Switzerland Report N° 831497, 20.11.1984; Report Supplement: 20.02.1986, Report Amendment: 12.02.1985 Syngenta file N° CGA 24705/ 1895 TOX9800316 , BVL 2662070	N	N	-	SYN	1998	Original EU dossier
CA 5.4.1	IIA1 5.4.1 / 03	IIA 5.4.1 / 03	Puri, E.	1984	CGA 24705 - Autoradiographic DNA repair test on human fibroblasts Ciba-Geigy Limited, Experimental Patho- logy, 4002 Basel/ Switzerland Report N° 831499, 20.11.1984; Report Supplement: 20.02.1986, Report Amendment: 12.02.1985 Syngenta file N° CGA 24705/ 2639 TOX9800317 , BVL 2662071	N	N	-	SYN	1998	Original EU dossier
CA 5.4.1	IIA1 5.4.1 / 04	IIA 5.4.1 / 04	Beilstein, P.	1984	CGA 24705 - L5178Y/TK +/- mouse lymphoma mutagenicity test Ciba-Geigy Limited, Experimental Pathol- ogy, 4002 Basel/ Switzerland Report N° 831500, 5.12.1984; Report Supplement: 09.09.1985, Report Amend- ment: 12.02.1985 Syngenta file N° CGA 24705/ 1897 TOX9800318 , BVL 2662072	N	N	-	SYN	1998	Original EU dossier

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CA 5.4.1	IIA1 5.4.1 / 05	IIA 5.4.1 / 05	Strasser, F.F.	1990	CGA 24705 - Chromosome studies on Chinese hamster ovary cell line CCL 61 in vitro Ciba-Geigy Limited, Genetic Toxicology, 4002 Basel / Switzerland Report N° 891513, 14.3.1990 Syngenta file N° CGA 24705/ 1899 TOX9800319 , BVL 2662073	N	N	-	SYN	1998	Original EU dossier
CA 5.4.1	IIA1 5.4.1 / 06	IIA 5.4.1 / 06	Hertner, Th.	1995	CGA 77102 - Salmonella and Escherich- ia/mammalian-microsome mutagenicity test Ciba-Geigy Limited, Genetic Toxicology, 4002 Basel / Switzerland Report N° 941060, 9.6.1995 Syngenta file N° CGA 77102/ 0037 TOX9800183 , BVL 2662074	N	N	-	SYN	1998	Original EU dossier
CA 5.4.1	-	-	Sokolowski A.	2014	S-Metolachlor tech. - Salmonella Typhi- murium and Escherichia Coli Reverse Mutation Assay Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1582701 GLP not published Syngenta File No CGA077102_11292 ASB2016-741 , BVL 2771136	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.4.1	-	-	Wollny H.	2014	S-Metolachlor tech. - Cell Mutation Assay at the Thymidine Kinase Locus (TK+/-) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1582703 GLP not published Syngenta File No CGA077102_11282 ASB2016-733 , BVL 2771137	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.4.1	-	-	Bohnenberger S.	2014	S-Metolachlor tech. - In Vitro Chromo- some Aberration Test in Human Lympho- cytes Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1582702 GLP not published Syngenta File No CGA077102_11307 ASB2016-721 , BVL 2771138	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.4.2	IIA1 5.4.4 / 01	IIA 5.4.2 / 01	Strasser, F.F.	1984	CGA 24705 - Nucleus anomaly test in somatic interphase nuclei of Chinese hamster Ciba-Geigy Limited, Experimental Pathol- ogy, 4002 Basel / Switzerland Report N° 831498, 26.10.1984; Report Supplement: 01.04.1986, Report Amend- ment: 12.02.1985 Syngenta file N° CGA 24705/ 1894 TOX9800321 , BVL 2662075	Y	N	-	SYN	1998	Original EU dossier
CA 5.4.2	IIA1 5.4.4 / 02	IIA 5.4.2 / 02	Cifone, M.A.	1988	CGA 24705 - Evaluation of metolachlor technical in the in vivo/in vitro rat hepatocyte unscheduled DNA synthesis assay Hazleton Biotechnologies Company, Kensington, Maryland, USA Report N° 20991, 10.8.1988 Syngenta file N° CGA 24705/ 1898 TOX9800322 , BVL 2662076	Y	N	-	SYN	1998	Original EU dossier

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CA 5.4.2	IIA1 5.4.4 / 03	IIA 5.4.2 / 03	Ham, A.L.	1994	CGA 24705 - Test for other genotoxic effects in the in vivo/in vitro assay for unscheduled DNA in rat primary hepatocytes Hazleton Washington, Inc., Vienna, Virginia 22182, USA Report N° 15881-0-494, 10.5.1994 Syngenta file N° CGA 24705/ 2375 TOX9800323 , BVL 2662077	Y	N	-	SYN	1998	Original EU dossier
CA 5.4.2	IIA1 5.4.4 / 04	IIA 5.4.2 / 04	Hertner, Th.	1995	CGA 77102 - Micronucleus test, mouse Ciba-Geigy Limited, Genetic Toxicology, 4002 Basel / Switzerland Report N° 941061, 22.5.1995 Syngenta file N° CGA 77102/ 0032 TOX9800186 , BVL 2662078	Y	N	-	SYN	1998	Original EU dossier
CA 5.4.2	IIA1 5.4.4 / 05	IIA 5.4.2 / 05	Hertner, Th.	1995	CGA 77102 - In vivo/in vitro unscheduled DNA synthesis in rat hepatocytes Ciba-Geigy Limited, Genetic Toxicology, 4002 Basel / Switzerland Report N° 941062, 8.6.1995 Syngenta file N° CGA 77102/ 0036 TOX9800184 , BVL 2662079	Y	N	-	SYN	1998	Original EU dossier
CA 5.4.2	-	-	Dony E.	2014	S-metolachlor tech. - Micronucleus Assay in Bone Marrow Cells of the Mouse Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1650000 GLP not published Syngenta File No CGA077102_11325 ASB2016-769 , BVL 2771139	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.4.3	IIA1 5.4.6 / 01	IIA 5.4.3 / 01	Fritz, H.	1976	Dominant lethal study on CGA 24705 technical, mouse Ciba-Geigy Limited, 4002 Basel / Switzerland Report N° 327639, 8.9.1976 Syngenta file N° CGA 24705/ 1893 TOX9800326 , BVL 2662080	Y	N	-	SYN	1998	Original EU dossier
CA 5.5	IIA1 5.5 / 01	IIA 5.5 / 01	Tisdell, M. Jackson, T.A. MacWilliams, P.S.	1982	Carcinogenicity study with metolachlor in albino mice. Hazleton Raltech, Inc., a Subsidiary of Hazleton Laboratories America, Inc., Madison, Wisconsin, USA Report N° 79020, 13.08.1982 Syngenta file N° CGA 24705/1878 TOX9800327 , BVL 2662081	Y	N	-	SYN	1998	Original EU dossier
CA 5.5	IIA1 5.5 / 02	IIA 5.5 / 02	Tisdell, M. Jackson, T.A. MacWilliams, P.S.	1983	2-Year chronic oral toxicity/oncogenicity study with metolachlor in albino rats. Incl. <u>Amendment N° 1</u> : Microscopic evaluation of nasal turbinates (control and high dose). Incl. <u>Amendment N° 2</u> : Microscopic evaluation of nasal turbinates (low and mid dose) Hazleton Raltech, Inc., a Subsidiary of Hazleton Laboratories America, Inc., Madison, Wisconsin, USA Rep. N° 80030, 02.05.1983 Syngenta file N° CGA 24705/1876 TOX9800328 , BVL 2662082	Y	N	-	SYN	1998	Original EU dossier
CA 5.5	IIA1 5.5 / 03	IIA 5.5 / 03	Hardisty, J.F.	1984	2-Year chronic oral toxicity/oncogenicity study with metolachlor in albino rats (Report N° 80030): Evaluation of liver tissues from male and female rats. Experimental Pathology Laboratories, Research Triangle Park, 20.07.1984 Syngenta file N° CGA 24705/2667 TOX9800176 , BVL 2662083	Y	N	-	SYN	1998	Original EU dossier

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CA 5.5	IIA1 5.5 / 04	IIA 5.5 / 04	Morgan, K.T.	1988	2-Year chronic oral toxicity/oncogenicity study with metolachlor in albino rats (Report N° 80030): Evaluation of nasal passages from male and female rats. 04.05.1988 Syngenta file N° CGA 24705/2070 TOX9800177 , BVL 2662084	Y	N	-	SYN	1998	Original EU dossier
CA 5.85 / 05	IIA1 5.5 / 05	IIA 5.5 / 05	Feng, P.C.C. Wilson, A.G.E. McClanahan, R.H. Patanello, J.E. Wratten, St.J.	1990	Metabolism of Alachlor by Rat and Mouse Liver and Nasal Turbinate Tissues Drug Metabolism and Disposition, <u>18 (3)</u> , 373-377, 1990 Syngenta file N° CGA 24705/2673 TOX9800178 , BVL 2662085	Y	N	-	SYN	1998	Original EU dossier
CA 5.85 / 06	IIA1 5.5 / 06	IIA 5.5 / 06	Mücke, W. Thanei, P.	1994	Metabolism and Transport Related Mecha- nisms in Organ-Directed Toxicity Lecture presented at the 8th IUPAC Inter- national Congress of Pesticide Chemistry, July 5, 1994, Washington DC, USA Ciba-Geigy Ltd. Division Crop Protection, Research and Development, Basel, Swit- zerland Syngenta file N° CGA 24705/2675 TOX9800330 , BVL 2662086	Y	N	-	SYN	1998	Original EU dossier
CA 5.85 / 07	IIA1 5.5 / 07	IIA 5.5 / 07	Ward, D.P. Kier, L.D. Brewster, D.W. Wilson, A.G.	1992	Metabolic Basis for Species Differences in Oncogenic Responses to Alachlor Toxicol. Lett, <u>315</u> (Suppl.), 315 (P39/P3), 1992 Syngenta file N° CGA 24705/2672 TOX9800331 , BVL 2662087	N	N	-	SYN	1998	Original EU dossier
CA 5.5 / 08	IIA1 5.5 / 08	IIA 5.5 / 08	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., <u>71 (1,2)</u> , 153-191, 1996 Syngenta file N° CGA 24705/2674 TOX1999-830, BVL 2662088	N	N	-	LIT	1998	Original EU dossier

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CA 5.5 / 09	IIA1 5.5 / 09	IIA 5.5 / 09	Waechter, F.	1997	The Rat Liver as a Target Organ for Metolachlor (CGA 24705). Implications for Human Risk Assessment, Toxicology/Cell Biology, Novartis Crop Protection Inc., Basel, Switzerland Report No. CB 97/04, 29.05.1997 Syngenta file N° CGA 24705/2671 TOX9800333 , BVL 2662089	N	N	-	SYN	1998	Original EU dossier
CA 5.6.1	IIA1 5.6.1 / 01	IIA 5.6.1 / 01	O'Loughlin, C.K. Salamon, C.M. Smith, S.H. Casey, H.W.	1981	Two-generation reproduction study in albino rats with metolachlor technical Toxigenics, Inc., Decatur, IL 62526, USA Report No. 450-0272, 31.08.1981 Syngenta file N° CGA 24705/1903 TOX9800334 , BVL 2662090	Y	N	-	SYN	1998	Original EU dossier
CA 5.6.1	IIA1 5.6.2 / 01	IIA 5.6.2 / 01	Lightkep, G.E.	1980	Teratogenic potential of CGA-24705 in New Zealand White Rabbits (Segment II evaluation) Argus Research Laboratories, Inc., Perkasie, PA, USA Report No. 203-001, 25.07.1980 Syngenta file N° CGA 24705/1902 TOX9800335 , BVL 2662091	Y	N	-	SYN	1998	Original EU dossier
CA 5.6.1	IIA1 5.6.2 / 02	IIA 5.6.2 / 02	Lochry, E.A.	1985	Embryo/Fetal Toxicity and Teratogenic Potential Study of CGA-24705 (FL-841697) Administered Orally via Gavage to CrI:COBS® CD (SD) BR Presumed Pregnant Rats Argus Research Laboratories Inc., Horsham, Pennsylvania 19044, USA Report No. 203-004, 06.08.1985 Syngenta file N° CGA 24705/1901 TOX2004-92 , BVL 2662092	Y	N	-	SYN	1998	Original EU dossier

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CA 5.6.1	IIA1 5.6.2 / 03	IIA 5.6.2 / 03	Gilles, P.A. Giknis, M.L.A.	1995	A Teratology Study of CGA 77102 Tech- nical in New Zealand White Rabbits Ciba-Geigy Corp., Environmental Health Center, Farmington, CT, USA Report No. F-00192, 27.04.1995 Syngenta file N° CGA 77102/0034 TOX9800188 , BVL 2662093	Y	N	-	SYN	1998	Original EU dossier
CA 5.6.1	IIA1 5.6.2 / 04	IIA 5.6.2 / 04	Khalil, S.	1995	CGA 77102 - Rat Oral Teratogenicity Ciba-Geigy Ltd., Stein, Switzerland Report No. 941058, 28.08.1995, Amended 13.09.95 Syngenta file N° CGA 77102/0041 TOX9800338 , BVL 2662094	Y	N	-	SYN	1998	Original EU dossier
CA 5.6.2	-	-	Manton J.	2017	Metolachlor - Additional Historical Control Data to Support Prenatal Developmental Toxicity Studies in the Rabbit Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, TK0338500 Not GLP not published Syngenta File No CGA024705_10080 ASB2017-13210 , BVL-3392746	N	N	-	SYN	2017	Supplementary dossier
CA 5.6.2	-	-	Manton J.	2017	S-metolachlor - Additional Historical Control Data to Support Prenatal Developmental Toxicity Studies in the Rabbit Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, TK0055790, CGA77102/0034 Not GLP not published Syngenta File No CGA077102_11474 ASB2017-13211 , BVL-3392766	N	N	-	SYN	2017	Supplementary dossier

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CA 5.8.1	IIA1 5.8 / 01	IIA 5.8.1.1.2.1 / 01	Hartmann, H.R.	1991	CGA 51202 - Acute oral toxicity in the rat Ciba-Geigy Ltd., Stein, Switzerland Report No. 911337, 12.12.1991 Syngenta file N° CGA 51202/0005 TOX9800189 , BVL 2662095	Y	N	-	SYN	1998	Original EU dossier
CA 5.8.1	IIA1 5.8 / 02	IIA 5.8.1.1.2.2 / 01	Hartmann, H.R.	1991	CGA 51202 tech - Acute dermal toxicity in the rat. Ciba-Geigy Ltd., Stein, Switzerland Report No. 911338, 12.12.1991 Syngenta file N° CGA 51202/0004 TOX9800340 , BVL 2662096	Y	N	-	SYN	1998	Original EU dossier
CA 5.8.1	IIA1 5.8 / 03	IIA 5.8.1.1.2.4 / 01	Hagemann, Ch.	1991	CGA 51202 tech - Acute dermal irrita- tion/corrosion study in the rabbit Ciba-Geigy Ltd., Stein, Switzerland Report No. 911340, 11.12.1991 Syngenta file N° CGA 51202/0003 TOX9800341 , BVL 2662097	Y	N	-	SYN	1998	Original EU dossier
CA 5.8.1	IIA1 5.8 / 04	IIA 5.8.1.1.2.5 / 01	Hagemann, Ch.	1992	CGA 51202 tech - Acute eye irrita- tion/corrosion study in the rabbit. Ciba-Geigy Ltd., Stein, Switzerland Report No. 911339, 27.03.1992 Syngenta file N° CGA 51202/0002 TOX9800342 , BVL 2662098	Y	N	-	SYN	1998	Original EU dossier
CA 5.8.1	IIA1 5.8 / 05	IIA 5.8.1.1.2.6 / 01	Hagemann, Ch.	1992	CGA 51202 tech - Skin sensitization test in the Guinea pig, (Optimisation test) Ciba-Geigy Ltd., Stein, Switzerland Report No. 911341, 18.05.1992 Syngenta file N° CGA 51202/0011. TOX9800343 , BVL 2662099	Y	N	-	SYN	1998	Original EU dossier
CA 5.8.1	IIA1 5.8 / 06	IIA 5.8.1.1.3.2 / 01	Schneider, M.	1992	CGA 51202 tech - 3-Months oral toxicity study in rats (administration in food). Ciba-Geigy Ltd., Stein, Switzerland Report No. 911344, 23.07.1992 Syngenta file N° CGA 51202/0015 TOX9800344 , BVL 2662100	Y	N	-	SYN	1998	Original EU dossier

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CA 5.8.1	IIA1 5.8 / 07	IIA 5.8.1.1.4.1 / 01	Hertner, Th.	1992	CGA 51202 tech - Salmonella and Esche- richia/liver-microsome test Ciba-Geigy Ltd., Genetic Toxicology, Basle, Switzerland Unpublished report No. 911342, 20.03.1992; Syngenta file N° CGA 51202/0001 TOX9800345 , BVL 2662101	N	N	-	SYN	1998	Original EU dossier
CA 5.8.1	IIA1 5.8 / 08	IIA 5.8.1.1.4.2 / 01	Hertner, Th. Ogorek, B.	1992	CGA 51202 tech - Micronucleus test, Mouse, In vivo study, Ciba-Geigy Ltd., Genetic Toxicology, Basle, Switzerland Report No. 911343, 28.08.1992 Syngenta file N° CGA 51202/0017 TOX9800346 , BVL 2662102	Y	N	-	SYN	1998	Original EU dossier
CA 5.8.1	IIA1 5.8 / 09	IIA 5.8.1.1.6.2 / 01	Marty, J.H.	1992	CGA 51202 Technical: Rat Oral Teratogenicity. Ciba-Geigy Ltd., Stein, Switzerland Report No. 9311351, 03.11.1992. Syngenta file N° CGA 51202/0020 TOX9800349 , BVL 2662103	Y	N	-	SYN	1998	Original EU dossier
CA 5.8.1 / 10	IIA1 5.8 / 10	IIA 5.8.2 / 03	Persohn, E.	1995	CGA 24705 and CGA 77102: Assessment of replicative liver DNA syntheses and effects on selected ultramorphological and biochemical liver parameters in the course of a 28-day subacute, oral toxicity study in male and female rats Ciba-Geigy Ltd., CH-4002 Basel, Switzer- land Report No. CB 94/35, 22.06.1995 Syngenta file N° CGA 24705/2505 TOX9800202 , BVL 2662106	Y	N	-	SYN	1998	Original EU dossier

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CA 5.8.1 / 11	IIA1 5.8 / 11	IIA 5.8.1 / 10	Ogorek, B.	1996	CGA 354743 - Salmonella and Escherich- ia/liver-microsome test, Ciba-Geigy Ltd., Basel, Switzerland Report N° 951133, 15.01.1996 GLP, unpublished Syngenta file N° CGA 354743/0003 TOX9800348 , BVL 2662107	N	N	-	SYN	1998	Original EU dossier
CA 5.8.1 / 12	IIA1 5.8 / 12	IIA 5.8.1 / 11	Cantoreggi, S.	1997	CGA 50720 tech. (Metabolite of CGA 24705) Acute oral toxicity in the rat Novartis Crop Protection AG, Stein, Swit- zerland Report No. 971116, 20.10. 1997 GLP, unpublished Syngenta file N° CGA 50720/0001 TOX2000-1255 , BVL 2662108	Y	N	-	SYN	1998	Original EU dossier
CA 5.8.1 / 13	IIA1 5.8 / 13	IIA 5.8.1 / 12	Cantoreggi, S.	1997	CGA 357704 tech. (Metabolite of CGA 24705) Acute oral toxicity in the rat Novartis Crop Protection AG, Stein, Swit- zerland Report No. 971117, 20.10. 1997 GLP, unpublished Syngenta file N° CGA 357704/0002 TOX2000-1256 , BVL 2662109	Y	N	-	SYN	1998	Original EU dossier
CA 5.8.1 / 14	IIA1 5.8 / 14	IIA 5.8.1 / 13	Cantoreggi, S.	1997	CGA 368208 tech. (Metabolite of CGA 24705) Acute oral toxicity in the rat Novartis Crop Protection AG, Stein, Swit- zerland Report No. 971118, 20.10. 1997 GLP, unpublished Syngenta file N° CGA 368208/0001 TOX2000-1257 , BVL2662110	Y	N	-	SYN	1998	Original EU dossier

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CA 5.8.1 / 15	IIA1 5.8 / 15	IIA 5.8.1 / 14	Deparade, E.	1997	CGA 50720 tech. (Metabolite of CGA 24705) Salmonella and Escherichia/liver-microsome test Novartis Crop Protection AG, Basel, Switzerland Report No. 971098, 10.12.1997 GLP, unpublished Syngenta file N° CGA 50720/0007 TOX2000-1258 , BVL 2662111	N	N	-	SYN	1998	Original EU dossier
CA 5.8.1 / 16	IIA1 5.8 / 16	IIA 5.8.1 / 15	Deparade, E.	1998	CGA 357704 tech. (Metabolite of CGA 24705) Salmonella and Escherichia/liver-microsome test Novartis Crop Protection AG, Basel, Switzerland Report No. 971099, 04.02.1998 GLP, unpublished Syngenta file N° CGA 357704/0007 TOX2000-1259 , BVL 2662112	N	N	-	SYN	1998	Original EU dossier
CA 5.8.1 / 17	IIA1 5.8 / 17	IIA 5.8.1 / 16	Deparade, E.	1998	CGA 368208 tech. (Metabolite of CGA 24705) - Salmonella and Escherichia/liver-microsome test Novartis Crop Protection AG, Basel, Switzerland Report No. 971100, 04.02.1998 GLP, unpublished Syngenta file N° CGA 368208/0006 TOX2000-1260 , BVL 2662113	N	N	-	SYN	1998	Original EU dossier
CA 5.8.1 / 18	IIA1 5.8 / 18	IIA 5.8.1 / 17	Cantoreggi, S.	1998	CGA 354743 technical (metabolite of CGA 24705) Acute Dermal Irritation/Corrosion in the Rabbit. Novartis Crop Protection AG, Stein, CH, Report No. 981040, 01.05.1998 GLP, unpublished Syngenta file N° CGA 354743/0011 TOX2000-1261 , BVL 2662114	Y	N	-	SYN	1998	Original EU dossier

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CA 5.8.1 / 19	-	-	Sommer E.	2000	CGA 50267 tech. (Metabolite of CGA 77102) - Acute oral toxicity in the rat (Limit test) Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Stein, Switzerland, 20001122 GLP not published Syngenta File No CGA50267/0001 TOX2005-1183 , BVL 2771140	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 20	-	-	Sommer E.	2000	NOA 413173 tech. (Metabolite of CGA 77102) - Acute oral toxicity in the rat (Limit test) Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Stein, Switzerland, 20001188 GLP not published Syngenta File No NOA413173/0001 ASB2009-6128 , BVL 2771141	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 21	-	-	Pooles A.	2005	NOA 436611: Acute Oral Toxicity in the Rat - Up and Down Procedure Syngenta Crop Protection AG, Basel, Switzerland Safepharm Laboratories Ltd., Shadlow, United Kingdom, 0006/0679 GLP not published Syngenta File No PP148/2625 ASB2016-752 , BVL 2771142	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.1 / 22	-	-	Cantoreggi S.	1999	CGA 354743 tech. (Metabolite of CGA 24705) - Skin sensitization in the Guinea pig (Buehler test) Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Stein, Switzerland, 981042 GLP not published Syngenta File No CGA354743/0023 ASB2016-765 , BVL 2771143	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 23	-	-	Robertson B	2011	CGA369873 - 28 Day Oral (Diet) Toxicity Study in Rats Syngenta - Jealott's Hill, Bracknell, United Kingdom Charles River Laboratories, Edinburgh, United Kingdom, 31683-517956 GLP not published Syngenta File No CGA369873_10009 ASB2016-757 , BVL 2771144	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 24	-	-	Altmann B.	1999	CGA 354743 tech / CGA 77102 tech. - 3 Month subchronic, comparative oral toxicity study in beagle dogs. Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Stein, Switzerland, 971089 GLP not published Syngenta File No CGA354743/0022 ASB2009-6127 , BVL 2771145	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 25	-	-	Lees D.	2004	OXANILIC ACID METABOLITE (CGA 51202): 90 Day Oral Toxicity in Dogs Syngenta Crop Protection AG, Basel, Switzerland Central Toxicology Laboratory (CTL), Cheshire, United Kingdom, PD1240 GLP not published Syngenta File No CGA51202/0055 ASB2016-754 , BVL 2771146	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.1 / 26	-	-	Wollny H.	2014	CGA357704 - Cell Mutation Assay at the Thymidine Kinase Locus (TK +/-) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1536202 GLP not published Syngenta File No CGA357704_10000 ASB2016-732 , BVL 2771147	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 27	-	-	Bohnenberger S.	2014	CGA357704 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1536201 GLP not published Syngenta File No CGA357704_10002 ASB2016-720 , BVL 2771148	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 28	-	-	Sokolowski A.	2014	SYN548164 - Salmonella Typhimurium and Escherichia Coli Reverse Mutation Assay Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1621001 GLP not published Syngenta File No SYN548164_10002 ASB2016-737 , BVL 2771149	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 29	-	-	Wollny H.	2014	SYN548164 - Cell Mutation Assay at the Thymidine Kinase Locus (TK +/-) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1621002 GLP not published Syngenta File No SYN548164_10000 ASB2016-725 , BVL 2771150	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.1 / 30	-	-	Bohnenberger S.	2014	SYN548164 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1621003 GLP not published Syngenta File No SYN548164_10004 ASB2016-713 , BVL 2771151	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 31	-	-	Dunton J.	2014	SYN548164 - Oral (Gavage) Mouse Micronucleus Test Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0274 GLP not published Syngenta File No SYN548164_10006 ASB2016-743 , BVL 2771152	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 32	-	-	Sokolowski A.	2014	SYN548163 - Salmonella Typhimurium and Escherichia Coli Reverse Mutation Assay Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1623001 GLP not published Syngenta File No SYN548163_10000 ASB2016-738 , BVL 2771153	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 33	-	-	Wollny H.	2014	SYN548163 - Cell Mutation Assay at the Thymidine Kinase Locus (TK P+/-P) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1623002 GLP not published Syngenta File No SYN548163_10002 ASB2016-726 , BVL 2771154	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.1 / 34	-	-	Bohnenberger S.	2014	SYN548163 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1623003 GLP not published Syngenta File No SYN548163_10004 ASB2016-714 , BVL 2771155	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 35	-	-	Sokolowski A.	2013	SYN542492 - Salmonella Typhimurium and Escherichia Coli Reverse Mutation Assay Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1537201 GLP not published Syngenta File No SYN542492_10000 ASB2016-739 , BVL 2771156	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 36	-	-	Wollny H.	2013	SYN542492 - Cell Mutation Assay at the Thymidine Kinase Locus (TK +/-) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1537203 GLP not published Syngenta File No SYN542492_10001 ASB2016-729 , BVL 2771157	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 37	-	-	Bohnenberger S.	2013	SYN542492 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1537202 GLP not published Syngenta File No SYN542492_10003 ASB2016-717 , BVL 2771158	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.1 / 38	-	-	Dunton J.	2014	SYN542492 - Oral (Gavage) Mouse Mi- cronucleus Test Syngenta Sequani Limited, Ledbury, United King- dom, BFI0240 GLP not published Syngenta File No SYN542492_10007 ASB2016-744 , BVL 2771159	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 39	-	-	Sokolowski A.	2014	SYN542488 - Salmonella Typhimurium and Escherichia Coli Reverse Mutation Assay Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1619501 GLP not published Syngenta File No SYN542488_10003 ASB2016-740 , BVL 2771160	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 40	-	-	Wollny H.	2014	SYN542488 - Cell Mutation Assay at the Thymidine Kinase Locus (TK P+/-P) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1619503 GLP not published Syngenta File No SYN542488_10001 ASB2016-730 , BVL 2771161	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 41	-	-	Bohnenberger S.	2014	SYN542488 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1619502 GLP not published Syngenta File No SYN542488_10006 ASB2016-718 , BVL 2771162	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.1 / 42	-	-	Dunton J.	2014	SYN542488 - Oral (Gavage) Mouse Mi- cronucleus Test Syngenta Sequani Limited, Ledbury, United King- dom, BFI0276 GLP not published Syngenta File No SYN542488_10008 ASB2016-745 , BVL 2771163	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 43	-	-	Wollny H.	2014	CGA368208 - Cell Mutation Assay at the Thymidine Kinase Locus (TK +/-) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1536402 GLP not published Syngenta File No CGA368208_10002 ASB2016-731 , BVL 2771164	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 44	-	-	Bohnenberger S.	2014	CGA368208 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1536401 GLP not published Syngenta File No CGA368208_10000 ASB2016-719 , BVL 2771165	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 45	-	-	Callander R.	2005	NOA436611: Bacterial Mutation Assay In S.Typhimurium And E.Coli Syngenta Crop Protection AG, Basel, Switzerland Central Toxicology Laboratory (CTL), Cheshire, United Kingdom, YV7058 GLP not published Syngenta File No NOA436611/0005 ASB2016-753 , BVL 2771166	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.1 / 46	-	-	Wollny H.	2013	SYN546829 - Cell Mutation Assay at the Thymidine Kinase Locus (TK +/-) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1536502 GLP not published Syngenta File No SYN546829_10004 ASB2016-728 , BVL 2771167	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 47	-	-	Bohnenberger S.	2013	SYN546829 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1536501 GLP not published Syngenta File No SYN546829_10002 ASB2016-716 , BVL 2771168	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 4)	-	-	Deparade E.	2001	NOA 413173 tech. (Metabolite of CGA 77102) - Salmonella and Escherichia/mammalian-microsome mutagenicity test Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Stein, Switzerland, 20001189 GLP not published Syngenta File No NOA413173/0006 ASB2009-6129 , BVL 2771167	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 49	-	-	Wollny H.	2014	SYN547627 - Cell Mutation Assay at the Thymidine Kinase Locus (TK +/-) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1623101 GLP not published Syngenta File No SYN547627_10000 ASB2016-727 , BVL 2771170	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.1 / 50	-	-	Bohnenberger S.	2014	SYN547627 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1623102 GLP not published Syngenta File No SYN547627_10002 ASB2016-715 , BVL 2771171	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 51	-	-	Sokolowski A.	2014	SYN548165 - Salmonella Typhimurium and Escherichia Coli Reverse Mutation Assay Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1621101 GLP not published Syngenta File No SYN548165_10000 ASB2016-736 , BVL 2771172	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 52	-	-	Wollny H.	2014	SYN548165 - Cell Mutation Assay at the Thymidine Kinase Locus (TK P+/-P) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1621102 GLP not published Syngenta File No SYN548165_10002 ASB2016-724 , BVL 2771173	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 53	-	-	Bohnenberger S.	2014	SYN548165 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1621103 GLP not published Syngenta File No SYN548165_10004 ASB2016-712 , BVL 2771174	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.1 / 54	-	-	Sokolowski A.	2001	Salmonella typhimurium and Escherichia coli reverse mutation assay with CGA 50267 (Metabolite of CGA 77102) Syngenta Crop Protection AG, Basel, Switzerland RCC Cytotest Cell Research GmbH, Ros-sdorf, Germany, 674301 GLP not published Syngenta File No CGA50267/0003 TOX2005-1184 , BVL 2771175	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 55	-	-	Wollny H.	2014	CGA50267 - Cell Mutation Assay at the Thymidine Kinase Locus (TK P+/-P) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1620902 GLP not published Syngenta File No CGA050267_10015 ASB2016-734 , BVL 2771176	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 56	-	-	Bohnenberger S.	2014	CGA50267 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1620903 GLP not published Syngenta File No CGA050267_10017 ASB2016-722 , BVL 2771177	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 57	-	-	Dunton J.	2014	CGA50267 - Oral (Gavage) Mouse Micro-nucleus Test Syngenta Sequani Limited, Ledbury, United King-dom, BF10277 GLP not published Syngenta File No CGA050267_10021 ASB2016-746 , BVL 2771178	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.1 / 58	-	-	Sokolowski A.	2014	CGA41507 - Salmonella Typhimurium and Escherichia Coli Reverse Mutation Assay Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1617601 GLP not published Syngenta File No CGA041507_10000 ASB2016-742 , BVL 2771179	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 59	-	-	Wollny H.	2014	CGA41507 - Cell Mutation Assay at the Thymidine Kinase Locus (TK P+/-P) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1617603 GLP not published Syngenta File No CGA041507_10002 ASB2016-735 , BVL 2771180	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 60	-	-	Bohnenberger S.	2014	CGA41507 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1617602 GLP not published Syngenta File No CGA041507_10004 ASB2016-723 , BVL 2771181	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 61	-	-	Dunton J.	2014	CGA41507 - Oral (Gavage) Mouse Micro-nucleus Test Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0275 GLP not published Syngenta File No CGA041507_10008 ASB2016-747 , BVL 2771182	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.1 / 62	-	-	Callander R.	2004	CGA 369873 (Metabolite of Di-methachlor): Bacterial Mutation Assay In S.Typhimurium And E. Coli Syngenta Crop Protection AG, Basel, Switzerland Central Toxicology Laboratory (CTL), Cheshire, United Kingdom, YV6777-REG GLP not published Syngenta File No CGA369873/0001 TOX2006-245 , BVL 2771183	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 63	-	-	Clay P.	2005	CGA 369873; L5178Y TK+/- Mouse Lymphoma Mutation Assay Syngenta Crop Protection AG, Basel, Switzerland Central Toxicology Laboratory (CTL), Cheshire, United Kingdom, VV0333-REG GLP not published Syngenta File No CGA369873/0005 TOX2006-246 , BVL 2771184	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 64	-	-	Fox V.	2005	CGA 369873: In Vitro Cytogenetic Assay In Human Lymphocytes Syngenta Crop Protection AG, Basel, Switzerland Central Toxicology Laboratory (CTL), Cheshire, United Kingdom, SV1325-REG GLP not published Syngenta File No CGA369873/0004 ASB2016-758 , BVL 2771185	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.8.1 / 65	-	-	Dobovetzky M.	1999	CGA 354743 tech. - Rat oral teratogenicity Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Stein, Switzerland, 981009 GLP not published Syngenta File No CGA354743/0021 ASB2016-766 , BVL 2771186	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.2 / 01	IIA1 5.8 / 10	IIA 5.8.2 / 01	Villafranca, M.J., Sommer, E.W. Müller, F.	1992	Investigation of the potential of a covalent binding of [¹⁴ C]-Dimethenamid ([¹⁴ C]-SAN 582 H) or its derivatives to rat and human hemoglobin Sandoz Agro Ltd., Department of Toxicology CH-4132 Muttens, Switzerland Report No. 482-S, 24.9.1992 Syngenta file N° SAN 582/5253 TOX1999-448 , BVL 2662104	N	N	-	SYN	1998	Original EU dossier
CA 5.8.2 / 02	IIA1 5.8 / 11	IIA 5.8.2 / 02	Ham, A.L.	1994	Metolachlor: Test for other genotoxic effects in a cell proliferation assay in rat liver cells Hazleton Washington, Inc. Vienna, Virginia, USA Report No. 483-290, 10.05.1994 Syngenta file N° CGA 24705/2376 TOX9800351 , BVL 2662105	N	N	-	SYN	1998	Original EU dossier
CA 5.8.2 / 03	-	-	Dhinsa N.	2014	S-metolachlor - Oral (Dietary) Mechanistic Study to Evaluate Effects on the Liver in the Female Rat Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0194 GLP not published Syngenta File No CGA077102_11205 ASB2016-760 , BVL 2771188	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 5.8.2 / 04	-	-	Mainwaring G.	2006	CGA24705 - ASSESSMENT OF HEPAT- IC CELL PROLIFERATION, APOPTO- SIS AND LIVER ENZYME INDUCTION IN FEMALE RATS UPON TREATMENT FOR UP TO SIXTY DAYS Syngenta Crop Protection AG, Basel, Switzerland Central Toxicology Laboratory (CTL), Cheshire, United Kingdom, XR7116-RES GLP not published Syngenta File No CGA24705/2844 ASB2016-767 , BVL 2771189	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 5.2	-	-	Bach, K. J.	1974	Acute dermal LD50 of CGA-24705- technical in rabbits 120-2255-34 GLP: Open Published: No Z39697 , BVL 3287960	Y	-	-	SYN	-	-
CA 5.2	-	-	Bathe, R.	1973	Acute oral LD50 of technical CGA-24705 in the rat PH 2.635 ! Siss 2979 GLP: Open Published: No Z42461 , BVL 3287970	Y	-	-	SYN	-	-
CA 5.2	-	-	Bathe, R.	1973	Acute dermal LD50 of technical CGA 24705 in the rat PH 2.635 ! Siss 3516 GLP: Open Published: No Z42469 , BVL 3287988	Y	-	-	SYN	-	-
CA 5.2	-	-	Bathe, R.	1974	Acute oral LD50 of technical CGA-24705 in the mouse PH 2.635 ! Siss 3516 GLP: Open Published: No Z42462 , BVL 3288005	Y	-	-	SYN	-	-

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CA 5.2	-	-	Bathe, R.	1974	Acute intraperitoneal LD50 of technical CGA-24705 in the rat PH 2.635 ! Siss 3516 GLP: Open Published: No Z42463 , BVL 3288016	Y	-	-	SYN	-	-
CA 5.2	-	-	Sachsse, K.	1973	Skin irritation of technical CGA 24705 in the rabbit after single application PH 2.635 ! Siss 2979 GLP: Open Published: No Z42433 , BVL 3288028	Y	-	-	SYN	-	-
CA 5.2	-	-	Sachsse, K.; Ullmann, L.	1973	Irritation of CGA 24705 in the rabbit eye PH 2.635 ! Siss 2979 GLP: Open Published: No Z42431 , BVL 3288040	Y	-	-	SYN	-	-
CA 5.2	-	-	Sachsse, K.; Ullmann, L.	1974	Acute oral LD50 of technical CGA 24705 in the rabbit PH 2.635 ! Siss 3516 GLP: Open Published: No Z42432 , BVL 3288112	Y	-	-	SYN	-	-
CA 5.2	-	-	Sachsse, K.; Ullmann, L.	1974	Acute inhalation toxicity of technical CGA 24705 in the rat PH 2.635 ! Siss 3516 GLP: Open Published: No Z42470 , BVL 3288121	Y	-	-	SYN	-	-
CA 5.2	-	-	Sachsse, K.; Ullmann, L.	1977	Skin irritation in the rabbit after single application of technical CGA 24705 PH 2.635 ! Siss 5726 GLP: Open Published: No Z42430 , BVL 3288122	Y	-	-	SYN	-	-
CA 5.2	-	-	Sachsse, K.; Ullmann, L.	1977	Skin sensitizing (contact allergenic) effect in guinea pigs of technical CGA 24705 Siss 5726 ! PH 2.635 GLP: Open Published: No Z42475 , BVL 3288126	Y	-	-	SYN	-	-

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CA 5.2	-	-	Schoch, M.; Maurer, T.; Gfeller, W.	1985	CGA 24705 Techn.: Skin sensitization test in the guinea pig maximization 140602 ! 203-004 ! 841032 GLP: Open Published: No Z42401 , BVL 3288140	Y	-	-	SYN	-	-
CA 5.2	-	-	Ullmann, L.; Kröling, C.; Kups, A.; Janiak, Th.	1990	Contact hypersensitivity to CGA 24205 techn. in albino guinea pigs - Modified Buehler method 245362 ! 891252 GLP: Open Published: No Z42425 , BVL 3288146	Y	-	-	SYN	-	-
CA 5.3	-	-	Fankhauser, H.	1999	S-Metolachlor: 3-month oral toxicity study in rats (administration in food) Report number: 971144 / 452 Report date: 1999/01/25 ASB2015-10977 , BVL 2907294	Y	-	-	SYN	-	-
CA 5.3	-	-	Fankhauser, H.	1999	Metolachlor: 3-Month oral toxicity study in rats (administration in food) Report number: 971143 / 2731 Report date: 1999/01/25 ASB2015-10978 , BVL 2907295	Y	-	-	SYN	-	-
CA 5.3	-	-	Jessup, D.C.	1980	6-month chronic oral toxicity study in beagle dogs Report number: FL 781314 / 2094/78 Report date: 1980/05/21 Z42460 , BVL 3288152	Y	-	-	SYN	-	-
CA 5.4	-	-	Plewa, M. J.; Wagner, E. D. Gentile, G. J. Gentile, J. M.	1984	An evaluation of the genotoxic properties of herbicides following plant and animal activation. Mutation Research/Genetic Toxicology 136 (3) 233-245 1984 Published: Y TOX9652116 , BVL 2851224	N	N	-	LIT	-	-

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CA 5.4	-	-	Roloff, B. Bellck, D. Meisner, L	1992	Cytogenetic effects of cyanazine and metolachlor on human lymphocytes ex- posed in vitro Mutation Research Letters 281 (4) 295-298 1992 Published: Y ASB2015-10979 , BVL 2851227	N	N	-	LIT	-	-
CA 5.4	-	-	Hill, A. B. Jefferies, P. R. Quistad, G. B. Casida, J. E.	1997	Dialkylquinoneimine metabolites of chlo- roacetanilide herbicides induce sister chromatid exchanges in cultured human lymphocytes Mutation Research - Genetic Toxicology and Environmental Mutagenesis 395 (2-3) 159-171 1997 Published: Y TOX2002-925 , BVL 2851202	N	N	-	LIT	-	-
CA 5.6	-	-	Fritz, H.	1976	Reproduction study of CGA 24705 tech., Rat Seg. II (Test for teratogenic or embryo- toxic effects) Report number: PH 2.632 / 227625 / 1901 Report date: 1976/06/21 TOX9800336 , BVL 3288174	Y	-	-	SYN	-	-
CA 5.1	-	-	Feng, P. C. C. Wratten, S. J.	1989	In vitro transformation of chloroacetanilide herbicides by rat liver enzymes: A compar- ative study of Metolachlor and Alachlor J. Agric. Food Chem. 37 (4) 1088-1093 1989 Published: Y Z72454 , BVL 2851194	N	N	-	LIT	-	-
CA 5.1	-	-	Davison, K. L.; Larsen, G. L.; Feil, V. J.	1994	Comparative metabolism and elimination of acetanilide compounds by rat Xenobiotica 24 (10) 1003-1012 1994 Published: Y ASB2015-10972 , BVL 2851177	N	N	-	LIT	-	-

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CA 5.1	-	-	Kimmel, E. C.; Casida, J. E.; Ruzo, L. O.	1986	Formamidine insecticides and chloro- acetanilide herbicides: Disubstituted ani- lines and nitrosobenzenes as mammalian metabolites and bacterial mutagens Journal of Agricultural and Food Chemis- try 34 (2) 157-161 1986 Published: Y ASB2015-10974 , BVL 2851195	N	N	-	LIT	-	-
CA 5.1	-	-	Driskell, W. J.; Hill, R. H.	1997	Identification of a major human urinary metabolite of metolachlor by LC-MS/MS Bulletin of Environmental Contamination and Toxicology 58 (6) 929-933 1997 Published: Y ASB2015-10973 , BVL 2851180	N	N	-	LIT	-	-
CA 5.1	-	-	Jeffries, P. R.; Quistad, G. B.; Casida, J. E.	1998	Dialkylquinonimines validated as in vivo metabolites of alachlor, acetochlor and metolachlor herbicides in rats Chemical Research in Toxicology 11 (4) 353-359 1998 Published: Y ASB2015-10971 , BVL 2851201	N	N	-	LIT	-	-
CA 5.8	-	-	Bassan, A.; Fiora- vanzo, E.; Pavan, M. et al.	2011	Scientific report submitted to EFSA on applicability of physicochemical data, QSARs and read-across in threshold of toxicological concern assessment 1 2011 Published: Y ASB2016-828 , BVL 3288177	N	N	-	LIT	-	-

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CA 5.8	-	-	Chen, M.; Borlak, J.; Tong, W.	2013	High lipophilicity and high daily dose of oral medications are associated with significant risk for drug-induced liver injury Hepatology 58:388-396 2013 Published: Y ASB2016-834 , BVL 3288480	N	N	-	LIT	-	-
CA 5.8	-	-	Kirkland, D.; Pfuhler, S.; Tweats, D. et al.	2007	How to reduce false positive results when undertaking in vitro genotoxicity testing and thus avoid unnecessary follow-up animal tests: Report of an ECVAM Workshop Mutation Research 628, 31-55 2007 Published: Y ASB2016-835 , BVL 3288487	N	N	-	LIT	-	-
CA 5.8	-	-	Pavan, M.; Worth, A. P.; Netzeva, T. I.	2005	Preliminary analysis of an aquatic toxicity dataset and assessment of QSAR models for narcosis EUR 21749 EN EC, 2005 Published: Y ASB2016-838 , BVL 3288494	N	N	-	LIT	-	-
CA 5.8	-	-	Vieira, J. B.; Braga, F. S.; Lobato, C. C. et al.	2014	A QSAR, pharmacokinetic and toxicological study of new artemisinin compounds with anticancer activity Molecules 2014, 19, 10670-10697; doi:10.3390/molecules190810670 2014 Published: Y ASB2016-839 , BVL 3288513	N	N	-	LIT	-	-

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CA 5.8.3	-	-	Charlton, A.	2014	S-metolachlor – Review for Potential for Endocrine Disruption in Mammalian Species. Syngenta Ltd. Jealott's Hill International Research, Bracknell, Berks RG42 6EY. Report No. TK0225713 8 December 2014. Not GLP not published Syngenta File No. CGA077102_11316 ASB2016-762 , BVL 2771195	N	Y	-	SYN	2015	Supplementary dossier
CA 5.8.2	-	-	Akkan, Z.	2014	S-Metolachlor - Position Statement Concerning Immunotoxicity Potential. Syngenta Ltd. Jealott's Hill International Research, Bracknell, Berks RG42 6EY. Report No. TK0225711, 12 December 2014. Not GLP not published Syngenta File No. CGA077102_11323 ASB2016-770 , BVL 2771194	N	Y	-	SYN	2015	Supplementary dossier
CA 5.8	-	-	Ogorek, B.	1999	CGA 51202: Gene mutation test with Chinese hamster cells V79 GLP unpublished ASB2015-10986 , BVL 2907300	Y	-	-	SYN	-	-
CA 5.8	-	-	Müller, T.	1997	Disposition of Phenyl-U-14C CGA 376944, a Sulfonic Acid Soil metabolite of CGA 77102, in the rat. Report No. 13/97 ! 030AM06 ! 3 GLP unpublished ASB2015-10975 , BVL 2907290	Y	-	-	SYN	-	-
CA 5.8	-	-	Winkler, G.	1995	CGA 354743 tech. (metabolite of CGA 24705): Acute oral toxicity in the rat (limit test); Report number: 951132 / 354743/1; GLP unpublished TOX9800347 , BVL 2907293	Y	-	-	SYN	-	-

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CA 5.8	-	-	Winkler, G. Sommer, E.	1995	Acute oral toxicity study in the rat. CGA 354743 - (metabolite of CGA 24705) - incl. 1st. amendment; Report number: 951132; GLP unpublished ASB2015-10976 , BVL2907293	Y	-	-	SYN	-	-
CA 5.8	-	-	Cantoreggi, S.	1998	Acute dermal toxicity in the rat (limit test) CGA 354743 tech. (metabolite of CGA 24705); GLP unpublished ASB2015-10983 , BVL 2907297	Y			SYN		
CA 5.8	-	-	Cantoreggi, S.	1998	Acute eye irritation/corrosion in the rabbit , CGA 354743 tech. (metabolite of CGA 24705); GLP unpublished ASB2015-10982 , BVL 2907296	Y			SYN		
CA 5.8	-	-	Bachmann, M		CGA 354743 techn. (Metabolite of CGA 24705): 3-month oral toxicity study in rats (Adminstration in food); GLP unpublished ASB2009-6126 , BVL 2662393	Y			SYN		
CA 5.8	-	-	Deparade E	1998	CGA354743 tech. - micronucleus test, mouse, (OECD conform); Report number: 981016 / 16; Report date: 1998/10/19; GLP unpublished ASB2015-10984 , BVL 2907298	Y			SYN		
CA 5.8	-	-	Sommer, E.		Acute oral toxicity study in the rat (limit test) CGA 37913 tech. (metabolite of CGA 77102); GLP unpublished ASB2015-10988 , BVL 2907302	Y			SYN		

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CA 5.8	-	-	Rawlinson P	2014	Derek nexus analysis report for S-Metolachlor metabolites; Report number: CGA077102_11265; Report date: 2014/06/09; Not GLP not published ASB2016-763 , BVL 2771187	N	Y		SYN	2015	Supplementary dossier
CA 5.8	-	-	Löffler, A.	1997	Binding of [Phenyl-U-14C]CGA77102 to rat and human blood in-vitro 09.12.1997, 030AM05 ! 0398 GLP unpublished ASB2015-10985 , BVL 2907299	Y			SYN		
CA 5.8.2	-	-	Omiecinski, C	2014	S-metolachlor: CAR3 Transactivation assay with mouse, rat and human CAR. Department of Veterinary & Biomedical Sciences, Penn State University. Laborato- ry Report No. TK0219524, Issue Date 05 September 2014. Unpublished. (Syngenta File No CGA077102_51554); Not GLP not published ASB2016-768 , BVL 2771190	N	Y		SYN	2015	Supplementary dossier
CA 5.8.2	-	-	Elcombe B	2014	S-metolachlor – Enzyme and DNA synthe- sis induction in cultured female rat hepato- cytes. CXR Biosciences. Laboratory Re- port No. CXR1334, 04 July 2014. Un- published. (Syngenta File No. CGA077102_11213). Not GLP not published ASB2016-751 , BVL 2771191	N	Y		SYN	2015	Supplementary dossier

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CA 5.8.2	-	-	Elcombe B	2014	S-metolachlor – Enzyme and DNA synthesis induction in cultured female human hepatocytes. Final Report Amendment 1. CXR Biosciences, 2 James Lindsay Place, Dundee Technopole, Dundee, DD1 5JJ, Scotland, UK. Laboratory Report No. CXR1336, 11 July 2014. Unpublished. (Syngenta File No. CGA077102_11215). Not GLP not published ASB2016-750 , BVL 2771192	N	Y		SYN	2015	Supplementary dossier
CA 5.8.2	-	-	Green R	2014	(S-)Metolachlor - Human relevance framework assessment of liver tumour induction in female rats assessment; Report number: CGA077102_11232 / TK0180349; Report date: 2014/07/30; Not GLP not published ASB2016-759 , BVL 2771193	N	Y		SYN	2015	Supplementary dossier
CA 5.1	-	-	Madden S.	2017	S-Metolachlor - The Comparative Metabolism of [14C]-S-Metolachlor in Rat and Human Hepatic Microsomes. Charles River Laboratories Edinburgh, Ltd., Elphinstone Research Centre, Tranent, East Lothian, EH33 2NE, United Kingdom. Report Number: 38349. Issue date 13 July 2017. Unpublished. Syngenta File No. CGA077102_11478 ASB2017-13209 , BVL 3392720	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2017	Supplementary dossier
CA 5.1	-	-	Cho, H. Y.; Kong, K. H.	2007	Study on the biochemical characterization of herbicide detoxification enzyme, glutathione S-transferase. BioFactors 30(4): 281-287. Published. ASB2018-2558	N	N	-	LIT	-	-
CA 5.1	-	-	Coleman, S., et al.	2000	Comparative metabolism of chloroacetamide herbicides and selected metabolites in human and rat liver microsomes. Environmental Health Perspectives 108(12): 1151-1157. Published. ASB2018-2559	N	N	-	LIT	-	-

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CA 5.1	-	-	Inui, H., et al.	2001	Metabolism of herbicides and other chemicals in human cytochrome P450 species and in transgenic potato plants Co-expressing human CYP1A1, CYP2B6 and CYP2C19. Journal of Pesticide Sciences 26(1): 28-40. Published. ASB2018-2560	N	N	-	LIT	-	-
CA 5.1	-	-	Jacobsen, N. E., et al.	1991	Alachlor and its analogs as metabolic progenitors of formaldehyde - fate of n-methoxymethyl and other n-alkoxyalkyl substituents. Journal of Agricultural and Food Chemistry 39(7): 1342-1350. Published. ASB2018-2561	N	N	-	LIT	-	-
CA 5.1	-	-	Kale, V. M., et al.	2008	Comparative cytotoxicity of alachlor, acetochlor, and metolachlor herbicides in isolated rat and cryopreserved human hepatocytes. Journal of Biochemical and Molecular Toxicology 22(1): 41-50. Published. ASB2018-2562	N	N	-	LIT	-	-
CA 5.2	-	-	Nicol, E., et al.	2015	Structural elucidation of metolachlor photoproducts by liquid chromatography/high-resolution tandem mass spectrometry. Rapid Commun Mass Spectrom 29(23): 2279-2286. Published. ASB2018-2825	N	N	-	LIT	-	-
CA 5.4	-	-	Grisolia, C. K. Ferrari, I.	1997	In vitro and in vivo studies demonstrate non-mutagenicity of the herbicide metolachlor. Brazilian Journal of Genetics 20(3): 411-414. Published. ASB2018-2826	N	N	-	LIT	-	-
CA 5.4	-	-	Kligerman, A. D., et al.	1993	Analyses of cytogenetic damage in rodents following exposure to simulated groundwater contaminated with pesticides and a fertilizer. Mutation Research/Genetic Toxicology 300(2): 125-134. Published. ASB2018-2827	N	N	-	LIT	-	-

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CA 5.4	-	-	Nikoloff, N., et al.	2013	Comparative study of cytotoxic and geno- toxic effects induced by herbicide S- metolachlor and its commercial formula- tion twin pack gold® in human hepatoma (HepG2) cells. Food and Chemical Toxicology 62: 777- 781. Published. ASB2018-2828	N	N	-	LIT	-	-
CA 5.5	-	-	Ito, N., et al.	1996	Effects of pesticide mixtures at the ac- ceptable daily intake levels on rat carcino- genesis. Food and Chemical Toxicology 34(11-12): 1091-1096. Published. ASB2018-2829	N	N	-	LIT	-	-
CA 5.5	-	-	Ito, N., et al.	1998	Medium-term bioassays for carcinogenicity of chemical mixtures. Environ Health Perspect 106(Suppl 6): 1331-1336. Published. ASB2018-2830	N	N	-	LIT	-	-
CA 5.6	-	-	Anonymous	1997	Reproductive toxicology. Pesti- cide/fertilizer mix III (Iowa). Environ Health Perspect 105(Suppl 1): 375-376. Published. ASB2018-2831	N	N	-	LIT	-	-
CA 5.6	-	-	Greenlee, A. R., et al.	2004	Low-dose agrochemicals and lawn-care pesticides induce developmental toxicity in murine preimplantation embryos. Environmental Health Perspectives 112(6): 703-709. Published. ASB2016-9889	N	N	-	LIT	-	-
CA 5.6	-	-	Heindel, J. J., et al.	1994	Assessment of the reproductive and devel- opmental toxicity of pesticide/fertilizer mixtures based on confirmed pesticide contamination in California and Iowa groundwater. Fundamental and Applied Toxicology 22(4): 605-621. Published. TOX9552727	N	N	-	LIT	-	-
CA 5.6	-	-	Mathias, F. T., et al.	2012	Herbicide metolachlor causes changes in reproductive endocrinology of male wistar rats. ISRN Toxicol 2012: 130846. Published. ASB2016-9890	Y	N	-	LIT	-	-
CA 5.2	-	-	Vieira, K. C. M. T., et al.	2016	Maternal and fetal toxicity of Wistar rats exposed to herbicide metolachlor." Acta Scientiarum - Biological Sciences 38(1): 91-98. Published. ASB2016-9891	Y	N	-	LIT	-	-

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CA 5.8	-	-	Aït-Aïssa, S., et al.	2010	Anti-androgenic activities of environmental pesticides in the MDA-kb2 reporter cell line. Toxicology in Vitro 24(7): 1979-1985. Published. ASB2015-9562	N	N	-	LIT	-	-
CA 5.8	-	-	Dalton, S. R., et al.	2003	The herbicide metolachlor induces liver cytochrome P450s 2B1/2 and 3A1/2, but not thyroxine-uridine dinucleotide phosphate glucuronosyltransferase and associated thyroid gland activity. International Journal of Toxicology 22(4): 287-295. Published. ASB2018-2832	N	N	-	LIT	-	-
CA 5.8	-	-	Dierickx, P. J.	1999	Glutathione-dependent cytotoxicity of the chloroacetanilide herbicides alachlor, metolachlor, and propachlor in rat and human hepatoma-derived cultured cells. Cell Biology and Toxicology 15(5): 325-332. Published. ASB2018-2833	N	N	-	LIT	-	-
CA 5.8	-	-	Dierickx, P. J.	2001	Activation of soluble glutathione transferase in rat hepatoma-derived Fa32 cells by several pesticides and oxidants. Chemico-Biological Interactions 133(1-3): 342-344. Published. ASB2018-2834	N	N	-	LIT	-	-
CA 5.8	-	-	Hartnett, S., et al.	2013	Cellular effects of metolachlor exposure on human liver (HepG2) cells. Chemosphere 90(3): 1258-1266. Published. ASB2018-2835	N	N	-	LIT	-	-
CA 5.8	-	-	Kojima, H., et al.	2004	Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5): 524-531. Published. ASB2010-14389	N	N	-	LIT	-	-
CA 5.8	-	-	Laville, N., et al.	2006	Modulation of aromatase activity and mRNA by various selected pesticides in the human choriocarcinoma JEG-3 cell line. Toxicology 228(1): 98-108. Published. ASB2010-14391	N	N	-	LIT	-	-

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CA 5.8	-	-	Lemaire, G., et al.	2006	Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicological Sciences 91(2): 501-509. Published. ASB2008-2129	N	N	-	LIT	-	-
CA 5.8	-	-	Lowry, D. M., et al.	2013	Mechanism of metolachlor action due to alterations in cell cycle progression." Cell Biology and Toxicology 29(4): 283-291. Published. ASB2018-2836	N	N	-	LIT	-	-
CA 5.8	-	-	Oosterhuis, B., et al.	2008	Specific interactions of chloroacetanilide herbicides with human ABC transporter proteins. Toxicology 248(1): 45-51. Published. ASB2018-2837	N	N	-	LIT	-	-
CA 5.8	-	-	Pereira, S. P., et al.	2009	Toxicity assessment of the herbicide metolachlor comparative effects on bacterial and mitochondrial model systems. Toxicology in Vitro 23(8): 1585-1590. Published. ASB2018-2838	N	N	-	LIT	-	-
CA 5.8	-	-	Sipes, N. S., et al.	2013	Profiling 976 ToxCast Chemicals across 331 Enzymatic and Receptor Signaling Assays. Chem Res Toxicol 26(6): 878-895. Published. ASB2014-8448	N	N	-	LIT	-	-
CA 5.8	-	-	Soto, A. M., et al.	1995	The E-SCREEN assay as a tool to identify estrogens: an update on estrogenic environmental pollutants. Environ Health Perspect 103(Suppl 7): 113-122. Published. ASB2018-2839	N	N	-	LIT	-	-
CA 5.8	-	-	Zhang, J., et al.	2016	Endocrine-Disrupting Effects of Pesticides through Interference with Human Glucocorticoid Receptor. Environmental Science and Technology 50(1): 435-443. Published. ASB2018-2840	N	N	-	LIT	-	-
CA 5.9	-	-	Alavanja, M. C. R., et al.	2004	Pesticides and lung cancer risk in the agricultural health study cohort. American Journal of Epidemiology 160(9): 876-885. Published. ASB2018-2841	N	N	-	LIT	-	-

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CA 5.9	-	-	Andreotti, G., et al.	2009	Agricultural pesticide use and pancreatic cancer risk in the Agricultural Health Study Cohort. International Journal of Cancer 124(10): 2495-2500. Published. ASB2012-11544	N	N	-	LIT	-	-
CA 5.9	-	-	Andreotti, G., et al.	2010	Body mass index, agricultural pesticide use, and cancer incidence in the Agricultural Health Study cohort. Cancer Causes & Control 21(11): 1759-1775. Published. ASB2018-2842	N	N	-	LIT	-	-
CA 5.9	-	-	Anic, B., et al.	1999	Methemoglobinemia caused by accidental poisoning with metolachlor and metobromuron. Arhiv za Higijenu Rada i Toksikologiju 50(2): 193-199. Published. ASB2018-2843	N	N	-	LIT	-	-
CA 5.9	-	-	Arcury, T. A., et al.	2007	Pesticide urinary metabolite levels of children in Eastern North Carolina farmworkers households. Environmental Health Perspectives 115(8): 1254-1260. Published. ASB2018-2844	N	N	-	LIT	-	-
CA 5.9	-	-	Arcury, T. A., et al.	2009	Seasonal variation in the measurement of urinary pesticide metabolites among Latino farmworkers in eastern North Carolina. International Journal of Occupational and Environmental Health 15(4): 339-350. Published. ASB2018-2845	N	N	-	LIT	-	-
CA 5.9	-	-	Arcury, T. A., et al.	2010	Repeated Pesticide Exposure among North Carolina Migrant and Seasonal Farmworkers. Am J Ind Med 53(8): 802-813. Published. ASB2018-2846	N	N	-	LIT	-	-
CA 5.9	-	-	Aygun, D., et al.	2002	Serum acetylcholinesterase and prognosis of acute organophosphate poisoning. Journal of Toxicology - Clinical Toxicology 40(7): 903-910. Published. ASB2018-2847	N	N	-	LIT	-	-
CA 5.9	-	-	Barr, D. B., et al.	2010	Pesticide concentrations in maternal and umbilical cord sera and their relation to birth outcomes in a population of pregnant women and newborns in New Jersey. Science of the Total Environment 408(4): 790-795. Published. ASB2018-2848	N	N	-	LIT	-	-

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CA 5.9	-	-	Barry, K. H., et al.	2011	Genetic Variation in Base Excision Repair Pathway Genes, Pesticide Exposure, and Prostate Cancer Risk. Environ Health Perspect 119(12): 1726-1732. Published. ASB2014-9247	N	N	-	LIT	-	-
CA 5.9	-	-	Beard, J. D., et al.	2013	Pesticide Exposure and Self-Reported Incident Depression among Wives in the Agricultural Health Study. Environ Res 126: 31-42. Published. ASB2018-2849	N	N	-	LIT	-	-
CA 5.9	-	-	Beard, J. D., et al.	2014	Pesticide Exposure and Depression among Male Private Pesticide Applicators in the Agricultural Health Study. Environ Health Perspect 122(9): 984-991. Published. ASB2018-2850	N	N	-	LIT	-	-
CA 5.9	-	-	Beard, J. D., et al.	2011	Suicide and pesticide use among pesticide applicators and their spouses in the Agricultural Health Study. Environmental Health Perspectives 119(11): 1610-1615. Published. ASB2018-2851	N	N	-	LIT	-	-
CA 5.9	-	-	Beseler, C., et al.	2006	Depression and pesticide exposures in female spouses of licensed pesticide applicators in the agricultural health study cohort. J Occup Environ Med 48(10): 1005-1013. Published. ASB2018-2852	N	N	-	LIT	-	-
CA 5.9	-	-	Boggess, A., et al.	2016	Mean serum-level of common organic pollutants is predictive of behavioral severity in children with autism spectrum disorders. Sci Rep 6. Published. ASB2018-2853	N	N	-	LIT	-	-
CA 5.9	-	-	Bradman, A., et al.	2003	Measurement of pesticides and other toxicants in amniotic fluid as a potential biomarker of prenatal exposure: a validation study. Environ Health Perspect 111(14): 1779-1782. Published. ASB2018-2854	N	N	-	LIT	-	-

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CA 5.9	-	-	Bradman, A., et al.	2015	Effect of organic diet intervention on pesticide exposures in young children living in low-income urban and agricultural communities. Environmental Health Perspectives 123(10): 1086-1093. Published. ASB2018-2855	N	N	-	LIT	-	-
CA 5.9	-	-	Carmichael, S. L., et al.	2013	Hypospadias and Residential Proximity to Pesticide Applications. Pediatrics 132(5): e1216-1226. Published. ASB2014-9307	N	N	-	LIT	-	-
CA 5.9	-	-	Castorina, R., et al.	2010	Comparison of Current-Use Pesticide and Other Toxicant Urinary Metabolite Levels among Pregnant Women in the CHAMA-COS Cohort and NHANES. Environ Health Perspect 118(6): 856-863. Published. ASB2018-2856	N	N	-	LIT	-	-
CA 5.9	-	-	Chevrier, C., et al.	2011	Urinary biomarkers of prenatal atrazine exposure and adverse birth outcomes in the PELAGIE birth cohort. Environmental Health Perspectives 119(7): 1034-1041. Published. ASB2018-2857	N	N	-	LIT	-	-
CA 5.9	-	-	Curwin, B. D., et al.	2005	Urinary and hand wipe pesticide levels among farmers and nonfarmers in Iowa. Journal of Exposure Analysis and Environmental Epidemiology 15(6): 500-508. Published. ASB2018-2858	N	N	-	LIT	-	-
CA 5.9	-	-	Curwin, B. D., et al.	2005	Pesticide contamination inside farm and nonfarm homes. Journal of Occupational and Environmental Hygiene 2(7): 357-367. Published. ASB2012-11595	N	N	-	LIT	-	-
CA 5.9	-	-	Curwin, B. D., et al.	2007	Pesticide dose estimates for children of Iowa farmers and non-farmers. Environmental Research 105(3): 307-315. Published. ASB2012-11596	N	N	-	LIT	-	-
CA 5.9	-	-	Curwin, B. D., et al.	2007	Urinary pesticide concentrations among children, mothers and fathers living in farm and non-farm households in Iowa. Annals of Occupational Hygiene 51(1): 53-65. Published. ASB2012-11597	N	N	-	LIT	-	-

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CA 5.9	-	-	Dayton, S. B., et al.	2010	Pesticide use and myocardial infarction incidence among farm women in the agricultural health study. Journal of Occupational and Environmental Medicine 52(7): 693-697. Published. ASB2012-11604	N	N	-	LIT	-	-
CA 5.9	-	-	De Roos, A. J., et al.	2003	Integrative assessment of multiple pesticides as risk factors for non-Hodgkin's lymphoma among men. Occup Environ Med 60(9): e11. Published. ASB2012-11606	N	N	-	LIT	-	-
CA 5.9	-	-	Flower, K. B., et al.	2004	Cancer risk and parental pesticide application in children of Agricultural Health Study participants. Environ Health Perspect 112(5): 631-635. Published. ASB2012-11620	N	N	-	LIT	-	-
CA 5.9	-	-	Goldner, W. S., et al.	2010	Pesticide Use and Thyroid Disease Among Women in the Agricultural Health Study. Am J Epidemiol 171(4): 455-464. Published. ASB2012-11830	N	N	-	LIT	-	-
CA 5.9	-	-	Hines, C. J., et al.	2001	Distributions and determinants of pre-emergent herbicide exposures among custom applicators. Annals of Occupational Hygiene 45(3): 227-239. Published. ASB2018-2859	N	N	-	LIT	-	-
CA 5.9	-	-	Hines, C. J., et al.	2001	Biological monitoring for selected herbicide biomarkers in the urine of exposed custom applicators: Application of mixed-effect models. Annals of Occupational Hygiene 47(6): 503-517. Published. ASB2018-2860	N	N	-	LIT	-	-
CA 5.9	-	-	Hoppin, J. A., et al.	2008	Pesticides and Atopic and Nonatopic Asthma among Farm Women in the Agricultural Health Study. Am J Respir Crit Care Med 177(1): 11-18. Published. ASB2012-11850	N	N	-	LIT	-	-
CA 5.9	-	-	Hoppin, J. A., et al.	2009	Pesticide use and adult-onset asthma among male farmers in the Agricultural Health Study. Eur Respir J 34(6): 1296-1303. Published. ASB2012-11851	N	N	-	LIT	-	-

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CA 5.9	-	-	Hoppin, J. A., et al.	2006	Pesticides and adult respiratory outcomes in the agricultural health study. Annals of the New York Academy of Sciences. 1076: 343-354. Published. ASB2018-2861	N	N	-	LIT	-	-
CA 5.9	-	-	Hoppin, J. A., et al.	2007	Pesticide Use And Chronic Bronchitis Among Farmers in The Agricultural Health Study. Am J Ind Med 50(12): 969-979. Published. ASB2012-11853	N	N	-	LIT	-	-
CA 5.9	-	-	Hou, L., et al.	2013	Lifetime pesticide use and telomere shortening among male pesticide applicators in the Agricultural Health Study. Environmental Health Perspectives 121(8): 919-924. Published. ASB2018-2862	N	N	-	LIT	-	-
CA 5.9	-	-	Hsu, B. G.; Huang H. Y	2009	Late-onset Methemoglobinemia Induced by Metobromuron/metolachlor. Tzu Chi Medical Journal 21(4): 334-338. Published. ASB2011-3892	N	N	-	LIT	-	-
CA 5.9	-	-	Kamel, F., et al.	2012	Pesticide exposure and amyotrophic lateral sclerosis. Neurotoxicology 33(3): 457-462. Published. ASB2014-9586	N	N	-	LIT	-	-
CA 5.9	-	-	Koutros, S., et al.	2010	Pesticide use modifies the association between genetic variants on chromosome 8q24 and prostate cancer. Cancer Res 70(22): 9224-9233. Published. ASB2018-2863	N	N	-	LIT	-	-
CA 5.9	-	-	Landgren, O., et al.	2009	Pesticide exposure and risk of monoclonal gammopathy of undetermined significance in the Agricultural Health Study. Blood 113(25): 6386-6391. Published. ASB2012-11875	N	N	-	LIT	-	-
CA 5.9	-	-	Lebov, J. F., et al	2016	Pesticide use and risk of end-stage renal disease among licensed pesticide applicators in the Agricultural Health Study. Occupational and Environmental Medicine 73(1): 3-12. Published. ASB2018-2864	N	N	-	LIT	-	-

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CA 5.9	-	-	Lee, W. J., et al.	2005	Agricultural pesticide use and risk of glioma in Nebraska, United States. Occupational and Environmental Medicine 62(11): 786-792. Published. ASB2012-11882	N	N	-	LIT	-	-
CA 5.9	-	-	Lee, W. J., et al.	2007	Pesticide use and colorectal cancer risk in the Agricultural Health Study. Int J Cancer 121(2): 339-346. Published. ASB2015-8228	N	N	-	LIT	-	-
CA 5.9	-	-	Metayer, C., et al.	2013	Exposure to herbicides in house dust and risk of childhood acute lymphoblastic leukemia. Journal of Exposure Science and Environmental Epidemiology 23(4): 363-370. Published. ASB2018-2865	N	N	-	LIT	-	-
CA 5.9	-	-	Mills, K. T., et al.	2009	Pesticides and Myocardial Infarction Incidence and Mortality Among Male Pesticide Applicators in the Agricultural Health Study. Am J Epidemiol 170(7): 892-900. Published. ASB2012-11903	N	N	-	LIT	-	-
CA 5.9	-	-	Montgomery, M. P., et al.	2008	Incident Diabetes and Pesticide Exposure among Licensed Pesticide Applicators: Agricultural Health Study 1993 – 2003. Am J Epidemiol 167(10): 1235-1246. Published. ASB2012-11911	N	N	-	LIT	-	-
CA 5.9	-	-	Munger, R., et al.	1997	Intrauterine growth retardation in Iowa communities with herbicide-contaminated drinking water supplies. Environmental Health Perspectives 105(3): 308-314. Published. ASB2015-10990	N	N	-	LIT	-	-
CA 5.9	-	-	Papadakis, E. N., et al.	2015	A pesticide monitoring survey in rivers and lakes of northern Greece and its human and ecotoxicological risk assessment. Ecotoxicology and Environmental Safety 116: 1-9. Published. ASB2018-2866	N	N	-	LIT	-	-
CA 5.9	-	-	Quandt, S. A., et al.	2004	Agricultural and residential pesticides in wipe samples from farmworker family residences in North Carolina and Virginia. Environ Health Perspect 112(3): 382-387. Published. ASB2018-2867	N	N	-	LIT	-	-

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CA 5.9	-	-	Rusiecki, J. A., et al.	2006	Cancer incidence among pesticide applicators exposed to metolachlor in the Agricultural Health Study. International Journal of Cancer 118(12): 3118-3123. Published. ASB2018-2868	N	N	-	LIT	-	-
CA 5.9	-	-	Sathyanarayana, S., et al.	2010	Maternal Pesticide Use and Birth Weight in the Agricultural Health Study. J Agromedicine 15(2): 127-136. Published. ASB2012-12020	N	N	-	LIT	-	-
CA 5.9	-	-	Schummer, C., et al.	2012	Determination of farm workers' exposure to pesticides by hair analysis. Toxicology Letters 210(2): 203-210. Published. ASB2018-2869	N	N	-	LIT	-	-
CA 5.9	-	-	Silver, S. R., et al.	2015	Cancer incidence and metolachlor use in the Agricultural Health Study: An update. International Journal of Cancer 137(11): 2630-2643. Published. ASB2018-2870	N	N	-	LIT	-	-
CA 5.9	-	-	Slager, R. E., et al.	2009	Rhinitis Associated with Pesticide Exposure among Commercial Pesticide Applicators in the Agricultural Health Study. Occup Environ Med 66(11): 718-724. Published. ASB2012-12030	N	N	-	LIT	-	-
CA 5.9	-	-	Slager, R. E., et al.	2010	Rhinitis associated with pesticide use among private pesticide applicators in the agricultural health study. Journal of Toxicology and Environmental Health - Part A: Current Issues 73(20): 1382-1393. Published. ASB2012-12031	N	N	-	LIT	-	-
CA 5.9	-	-	Swan, S. H., et al.	2003	Semen quality in relation to biomarkers of pesticide exposure. Environmental Health Perspectives 111(12): 1478-1484. Published. ASB2018-2871	N	N	-	LIT	-	-
CA 5.9	-	-	Thorpe, N.; Shirmohammadi A.	2005	Herbicides and Nitrates in Groundwater of Maryland and Childhood Cancers: A Geographic Information Systems Approach. Journal of Environmental Science and Health - Part C Environmental Carcinogenesis and Ecotoxicology Reviews 23(2): 261-278. Published. ASB2018-2872	N	N	-	LIT	-	-

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CA 5.9	-	-	Valcin, M., et al.	2007	Chronic bronchitis among non-smoking farm women in the agricultural health study. J Occup Environ Med 49(5): 574-583. Published. ASB2012-12042	N	N	-	LIT	-	-
CA 5.9	-	-	Waggoner, J. K., et al.	2013	Pesticide Use and Fatal Injury among Farmers in the Agricultural Health Study. Int Arch Occup Environ Health 86(2): 177-187. Published. ASB2018-2873	N	N	-	LIT	-	-
CA 5.9	-	-	Ward, M. H., et al.	2006	Proximity to Crops and Residential Exposure to Agricultural Herbicides in Iowa. Environ Health Perspect 114(6): 893-897. Published. ASB2018-2874	N	N	-	LIT	-	-
CA 5.9	-	-	Whyatt, R. M., et al	2003	Contemporary-use pesticides in personal air samples during pregnancy and blood samples at delivery among urban minority mothers and newborns. Environ Health Perspect 111(5): 749-756. Published. ASB2013-3850	N	N	-	LIT	-	-
CA 5.9	-	-	Wickerham, E. L., et al.	2012	Reduced birth weight in relation to pesticide mixtures detected in cord blood of full-term infants. Environment International 47: 80-85. Published. ASB2018-2875	N	N	-	LIT	-	-
CA 5.9	-	-	Wofford, P., et al.	2014	Community air monitoring for pesticides. Part 3: Using health-based screening levels to evaluate results collected for a year. Environmental Monitoring and Assessment 186(3): 1355-1370. Published. ASB2018-2876	N	N	-	LIT	-	-
CA 5.9	-	-	Yang, C. C., et al.	1995	Metobromuron / metolachlor ingestion with late-onset methemoglobinemia in a pregnant woman successfully treated with methylene-blue. Journal of Toxicology-Clinical Toxicology 33(6): 713-716. Published. ASB2018-2877	N	N	-	LIT	-	-

Product (A9396G)

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KCP 7.1.1	IIIA. 7.1.1 /01	IIIA. 7.1.1 /01	Kuhn, J.O.	1995	CGA 77102 960 EC: Acute oral toxicity study in rats. Stillmeadow Inc., Sugar Land, TX, USA, Report No. 2317-95, 1.12.1995 Novartis file N° 77102/ 113 BVL-1110869, TOX9800203	Y	N	-	SYN	1998	Original EU dossier
KCP 7.1.2	IIIA. 7.1.2 /01	IIIA. 7.1.2 /01	Kuhn, J.O.	1995	CGA 77102 960 EC: Acute dermal toxicity study in rabbits. Stillmeadow Inc., Sugar Land, TX, USA, Report No. 2318-95, 13.10.1995 Novartis file N° 77102/ 114 BVL-1110870, TOX9800204	Y	N	-	SYN	1998	Original EU dossier
KCP 7.1.3	IIIA. 7.1.3 /01	IIIA. 7.1.3 /01	Bennick, J.	1996	CGA 77102 960 EC: Acute inhalation toxicity study in rats Stillmeadow Inc., Sugar Land, TX, USA Report No. 2319-95, 11.1.1996 Novartis file N° 77102/ 115 BVL-1110871, TOX9800205	Y	N	-	SYN	1998	Original EU dossier
KCP 7.1.3	-	-	Rattray N.	2003	CGA77102 EC 960 (A9396C): 4-Hour Acute Inhalation Toxicity Study in Rats Syngenta Crop Protection AG, Basel, Switzerland Central Toxicology Laboratory (CTL), Cheshire, United Kingdom, CTL/HR2430 GLP not published Syngenta File No CGA77102/0925 BVL-2771501, TOX2004-974	Y	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; depend- ent on national product registration status	SYN	2015	Supplementary dossier
KCP 7.1.4	IIIA. 7.1.4 /01	IIIA. 7.1.4 /01	Kuhn, J.O.	1995	CGA 77102 960 EC: Primary dermal irritation study in rabbits. Stillmeadow Inc., Sugar Land, TX, USA Report No. 2037-95, 27.6.1995 Novartis file N° 77102/ 117 BVL-1110872 TOX9800206	Y	N	-	SYN	1998	Original EU dossier

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KCP 7.1.5	IIIA. 7.1.5 /01	IIIA. 7.1.5 /01	Kuhn, J.O.	1995	CGA 77102 960 EC: Primary eye irritation study in rabbits. Stillmeadow Inc., Sugar Land, TX, USA Report 2036-95, 27.6.1995 Novartis file N° 77102/ 116 BVL-1110873, TOX9800208	Y	N	-	SYN	1998	Original EU dossier
KCP 7.1.6	IIIA. 7.1.6 /01	IIIA. 7.1.6 /01	Kuhn, J.O.	1995	CGA 77102 960 EC: Dermal sensitization study in Guinea Pigs Stillmeadow Inc., Sugar Land, TX, USA Report No. 2320-95, 10.11.1995 Novartis file N° 77102/ 118 BVL-1110874, TOX9800207	Y	N	-	SYN	1998	Original EU dossier
KCP 7.1.6	-	-	Cantoreggi, S.	1997	CGA 77102 EC 960, (A-9396 B): Skin sensitization in the guinea pig - Maximiza- tion Test 971096 Novartis Crop Protection AG, Basel, Swit- zerland BVL-3287961, TOX1999-1384	Y	N	-	SYN	-	-
KCA 7.2.1.2/01	IIIA 7.3.3 /01	IIIA 7.2.1.2/01	Purdy, J	1993	Operator Exposure Study with CGA 184'927 as Horizon TM 240 EC, Ciba Geigy Limited, Canada Report N° CER 01628/93, 21.12.93 Novartis file N° 184'927/ TOX9800361 ; BVL-1110877	N	N	-	SYN	1998	Original EU dossier
KCA 7.2.1.2/02	IIIA 7.3.3 /02	IIIA 7.2.1.2/02	Marks, T.G., Tack, T.J.	1994	Report on operator exposure study with Topik 240EC, Ciba Agriculture, Whit- tlesford, Cambridge, England, Report no.: CP 1211, 20.09.1994 Novartis file N° 184927/ 491 ASB2016-705 , BVL-1110876	N	N	-	SYN	1998	Original EU dossier

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KCA 7.2.1.2/03	IIIA 7.3.3 /03	IIIA 7.2.1.2/03	Hofherr, W.	1995	Special Study - Field operator Exposure Study GESAPRIM 500 SC Herbicide, Ciba-Geigy Ltd., Residue Analysis, Basle, Switzerland, Report no.: 136/94, 22.03.1995 Novartis file N° 30027/ 2041 TOX9800363 , BVL-1110875	N	N	-	SYN	1998	Original EU dossier

A.7 Residue data

Active substance

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CA 6.1	IIA1 6.1 / 01	IIA 6.3.3 / 01	Cheung, M.W.	1990	Residue stability study of CGA 37913 and CGA 49751 (metolachlor residue hydrolysates) in crops and crop fractions under freezer storage conditions (final report) Ciba-Geigy Corp., Greensboro NC, USA Study Report ABR-89090, 08.02.1990 Syngenta file N° CGA24705/0605 RIP9800436	N	N	-	SYN	1998	Original EU dossier
CA 6.1	IIA1 6.1 / 02	IIA 6.3.3 / 02	Cheung, M.W.	1990	Residue stability study of CGA 37913 and CGA 49751 (Metolachlor residue hydrolysates) in beef muscle, beef liver, dairy milk and poultry eggs under freezer storage conditions (final report) Ciba-Geigy Corp., Greensboro NC, USA Study Report ABR-89089, 18.04.1990 Syngenta file N° CGA24705/1987 RIP9800437	N	N	-	SYN	1998	Original EU dossier
CA 6.1	IIA1 6.1 / 03	IIA 6.3.3 / 03	Rollins, R.D.	1995	Residue stability study for metolachlor residues determined as CGA 37913 and CGA 49751 in beef muscle, corn oil, cottonseed and cottonseed oil under freezer storage conditions Ciba-Geigy Corp., Greensboro NC, USA Study Report ABR-94028, 18.12.1995 Syngenta file N° CGA24705/2567 RIP9800438	N	N	-	SYN	1998	Original EU dossier

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CA 6.1	IIA1 6.1 / 04	IIA 6.3.3 / 04	Eudy, L.W.	1996	Stability of CGA 37913 and CGA 49751 (metolachlor hydrolysates) in tomatoes and processed soybean and potato fractions under freezer storage conditions Ciba-Geigy Corp., Greensboro NC, USA Study Report ABR-96011, 26.02.1996 Syngenta file N° CGA24705/2595 RIP9800439	N	N	-	SYN	1998	Original EU dossier
CA 6.1	-	-	Tribolet R.	2000	Residue Stability Study for S-metolachlor (Parent Compound) in Maize Grain and Fodder, Potatoes and Soybeans Under Freezer Storage Conditions Novartis Crop Protection AG, Basel, Switzerland Report No 183/97 GLP not published Syngenta File No CGA77102/0569 BVL-3052928, BVL-3052926, ASB2016-3562	N	Y	New data; eligible for data protection according to SAN-CO/12576/2012	SYN	2016	Supplementary dossier
CA 6.1	-	-	Yozgati H. P., Breyer N	2017	S-metolachlor - Storage Stability of Residues of S-metolachlor in High Protein and High Acid Crops Stored Frozen for up to Two Years – Interim Report Syngenta Eurofins Agrosience Services Chem GmbH, Hamburg, Germany, S15-06031 GLP not published Syngenta File No CGA07710_11471 BVL-3392816, ASB2017-13212	N	Y		SYN	2017	Supplementary dossier

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CA 6.1	-	-	Gemrot F.	2013	S-Metolachlor – Storage Stability of Metabolite CGA133275 in Various Crops under Frozen Storage Conditions for up to 23 Months Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S12-03335 GLP not published Syngenta File No CGA133275_10001 BVL-2771196, ASB2016-796	N	Y	New data; eligible for data protection accord- ing to SAN- CO/12576/2012	SYN	2015	Supplementary dossier
CA 6.2.1	IIA1 6.2.1 / 01	IIA 6.1 / 01	Sumner, D.D., Cassidy, J.E.	1974	The uptake and distribution of 0-14C- CGA-24705 in field grown corn Ciba-Geigy Corp., Greensboro NC, USA Study Report GAAC-74022, 01.04.1974 Syngenta file N° CGA24705/2527 RIP9800087 , BVL-2662120	N	N	-	SYN	1998	Original EU dossier
CA 6.2.1	IIA1 6.2.1 / 02	IIA 6.1 / 02	Gross, D.	1974	Uptake, translocation and degradation of CGA 24 705 in corn grown under con- trolled conditions. Ciba-Geigy Ltd., Basel, CH Study Report 8-74, 25.06.1974 Syngenta file N° CGA24705/0504 RIP2005-1558 , BVL-2662399	N	N	-	SYN	1998	Original EU dossier
CA 6.2.1	IIA1 6.2.1 / 03	IIA 6.1 / 03	Gross, D.	1974	Uptake, translocation and degradation of CGA 24 705 in corn grown under con- trolled conditions – Addendum to Project Report No. 8/74 Ciba-Geigy Ltd., Basel, CH Study Report 13-74, 10.12.1974 Syngenta file N° CGA24705/0505 RIP2005-1559 , BVL-2662400	N	N	-	SYN	1998	Original EU dossier

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CA 6.2.1	IIA1 6.2.1 / 04	IIA 6.1 / 04	Sumner, D.D., Thomas, R.D., Cassidy, J.E.	1975	Structure elucidation of the metabolites of CGA 24705 in corn Ciba-Geigy Corp., Greensboro NC, USA Study Report GAAC-75012, 15.02.1975 Syngenta file N° CGA24705/0506 RIP9800313 , BVL-2662401	N	N	-	SYN	1998	Original EU dossier
CA 6.2.1	IIA1 6.2.1 / 05	IIA 6.1 / 05	Sumner, D., Cassidy, J	1975	The uptake and distribution of 0-14C- CGA-24705 from soil in Greenhouse grown soybeans Ciba-Geigy Corp., Greensboro NC, USA Study Report GAAC-75039, 30.04.1975 Syngenta file N° CGA24705/0510 RIP9800314 , BVL-2662402	N	N	-	SYN	1998	Original EU dossier
CA 6.2.1	IIA1 6.2.1 / 06	IIA 6.1 / 06	Szolics, I.M., Cassidy, J.	1978	The uptake and balance of 0-14C- metolachlor in field-grown soybeans Ciba-Geigy Corp., Greensboro NC, USA Study Report ABR-78082, 24.10.1978 Syngenta file N° CGA24705/0512 RIP9800089 , BVL-2662403	N	N	-	SYN	1998	Original EU dossier
CA 6.2.1	IIA1 6.2.1 / 07	IIA 6.1 / 07	Gross, D.	1980	Identification of degradation products of CGA 24705 (Dual) in corn plants Ciba-Geigy Ltd., Basel, CH Study Report 28-80, 15.08.1980 Syngenta file N° CGA24705/0507 RIP9800316 , BVL-2662404	N	N	-	SYN	1998	Original EU dossier
CA 6.2.1	IIA1 6.2.1 / 08	IIA 6.1 / 08	Szolics, I.M., Simoneaux, B.J., Cassidy, J.E.	1981	The uptake and distribution of 0-14C- metolachlor from soil in greenhouse grown lettuce Ciba-Geigy Corp., Greensboro NC, USA Study Report ABR-81021, 22.05.1981 Syngenta file N° CGA24705/0516 RIP9800090 , BVL-2662405	N	N	-	SYN	1998	Original EU dossier

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CA 6.2.1	IIA1 6.2.1 / 09	IIA 6.1 / 09	Szolics, I.M., Simoneaux, B.J., Cassidy, J.E.	1981	The uptake and distribution of 0-14C- metolachlor from soil in greenhouse grown potatoes Ciba-Geigy Corp., Greensboro NC, USA Study Report ABR-81023, 09.07.1981 Syngenta file N° CGA24705/0517 RIP9800091 , BVL-2662406	N	N	-	SYN	1998	Original EU dossier
CA 6.2.1	IIA1 6.2.1 / 10	IIA 6.1 / 10	Szolics, I.M., Simoneaux, B.J., Cassidy, J.E.	1981	Evaluation of proposed pathways for metabolism of metolachlor in lettuce and potatoes Ciba-Geigy Corp., Greensboro NC, USA Study Report ABR-81045, 23.12.1981 Syngenta file N° CGA24705/0518 RIP9800319 , BVL-2662407	N	N	-	SYN	1998	Original EU dossier
CA 6.2.1	IIA1 6.2.1 / 11	IIA 6.1 / 11	Simoneaux, B.J.	1987	Uptake and balance data for greenhouse soybeans grown in soil treated with 14C- metolachlor Ciba-Geigy Corp., Greensboro NC, USA Study Report ABR-86047, 01.07.1987 Syngenta file N° CGA24705/0515 RIP9800320 , BVL-2662408	N	N	-	SYN	1998	Original EU dossier
CA 6.2.1	IIA1 6.2.1 / 12	IIA 6.1 / 12	Simoneaux, B.	1988	Uptake and characterization of metolachlor and its metabolites in field and greenhouse grown potatoes Ciba-Geigy Corp., Greensboro NC, USA Study Report ABR-88110, 28.07.1988 Syngenta file N° CGA24705/2269 RIP9800323 , BVL-2662409	N	N	-	SYN	1998	Original EU dossier
CA 6.2.1	IIA1 6.2.1 / 13	IIA 6.1 / 13	Fleischmann. T.J.	1993	Uptake and Metabolism of 14C- Metolachlor in Greenhouse Grown Pota- toes and Corn Ciba-Geigy Corp., Greensboro NC, USA Study Report ABR-92090, 26.01.1993 Syngenta file N° CGA24705/2249 RIP9800324 , BVL-2662410	N	N	-	SYN	1998	Original EU dossier

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CA 6.2.1	IIA1 6.2.1 / 14	IIA 6.1 / 14	Gentile, B.	1997	Behaviour and Metabolism of CGA 77102 and CGA 24705 in Field Grown Corn after Post Emergence Treatment of [Phenyl-(U)-14C] Labelled Materials. (A Comparative Study) Novartis Crop Protection AG, Basel, CH Study Report CMR 9/97, Project Report 96BG17PR1, 20.06.1997 Syngenta file N° CGA24705/2668 RIP9800325 , BVL-2662411	N	N	-	SYN	1998	Original EU dossier
CA 6.2.1	IIA1 6.2.1 / 15	IIA 6.1 / 15	Sandmeier P.	2000	Behaviour and metabolism of CGA 77102 in field grown soybeans after pre-emergent treatment with [phenyl-(U)-14C] labelled material Novartis Crop Protection AG, Basel, Switzerland Amendment No. 1 to study 97PSA48, 17.07.2000 Syngenta file N° CGA77102/0514 BVL-3066987, ASB2015-10992	N	Y	-	SYN	1998	Original EU dossier
CA 6.2.1	IIA1 6.2.1 / 16	IIA 6.1 / 16	Sandmeier P.	2000	Behaviour and metabolism of CGA 77102 in field grown soybeans after pre-emergent treatment with [phenyl-(U)-14C] labelled material Novartis Crop Protection AG, Basel, Switzerland Amendment No. 2 to study 97PSA48, 20.07.2000 Syngenta file N° CGA77102/0545 BVL-3066988, ASB2016-3559	N	Y	-	SYN	1998	Original EU dossier

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CA 6.2.1	IIA1 6.2.1 / 17	IIA 6.1 / 17	Sandmeier P.	1999	Behaviour and metabolism of CGA 77102 in field grown soybeans after pre-emergent treatment with [phenyl-(U)-14C] labelled material Novartis Crop Protection AG, Basel, Switzerland Report to study 97PSA48, 30.11.1999 Syngenta file N° CGA77102/0566 BVL-3066989, ASB2016-3560	N	Y	-	SYN	1998	Original EU dossier
CA 6.2.2	IIA1 6.2.2 / 01	IIA 6.2 / 02	Müller, T.	1997	Metabolism of [Phenyl-U-14C] CGA 77102 after Multiple Oral Administration to Laying Hens Novartis Crop Protection AG, Basel, CH Study Report 3/97, 28.05.1997 Syngenta file N° CGA77102/0318 RIP9800327 , BVL-2662412	Y	N	-	SYN	1998	Original EU dossier
CA 6.2.3	IIA1 6.2.3 / 01	IIA 6.2 / 01	Müller, T. Löffler, A.	1997	Metabolism of [Phenyl-(U)-14C] CGA 77102 after Multiple Oral Administration to Lactating Goats Novartis Crop Protection AG, Basel, CH Study Report 2/97, 21.05.1997 Syngenta file N° CGA77102/0303 RIP9800326 , BVL-2662413	Y	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 01	IIA 6.3.2.6.1 / 01	Pointurier, R.	1997	Magnitude of residues of CGA 77102 in sunflowers (grains) and soil and magnitude of residues of metabolites CGA 351916 and CGA 380168 in soil, after application of formulation A9396B, France Novartis Agro S.A., Aigues-Vives, F Study Report OH955203/KJ34, 02.06.1997 Syngenta file N° CGA77102/0323 RIP9800418 , BVL-2661364	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.6 / 02	IIA 6.3.2.6.1 / 02	Pointurier, R.	1997	Magnitude of residues of CGA 77102 in sunflowers (grains) and soil and magnitude of residues of metabolites CGA 351916 and CGA 380168 in soil, after application of formulation A9396B, France Novartis Agro S.A., Aigues-Vives, F Study Report OH955203/SJ68, 02.06.1997 Syngenta file N° CGA77102/0324 RIP9800419 , BVL-2661364	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 03	IIA 6.3.2.6.1 / 03	Mostert, I.	1997	Magnitude of residues in sunflowers after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Novartis Crop Protection AG, Basel, CH Study Report 3044/96, 05.03.1997 Syngenta file N° CGA77102/0273 RIP9800420 , BVL-2662518	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 04	IIA 6.3.2.6.1 / 04	Mostert, I.	1997	Magnitude of residues in sunflower after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Ciba-Geigy Ltd., Basel, CH Study Report 3080/95, 03.02.1997 Syngenta file N° CGA77102/0236 RIP9800421 , BVL-2662519	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 05	IIA 6.3.2.6.1 / 05	Mostert, I.	1997	Magnitude of residues in sunflowers after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Novartis Crop Protection AG, Basel, CH Study Report 3045/96, 10.02.1997 Syngenta file N° CGA77102/0268 RIP9800422 , BVL-2662520	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.6 / 06	IIA 6.3.2.6.1 / 06	Mostert, I.	1997	Magnitude of residues in sunflower after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Novartis Crop Protection AG, Basel, CH Study Report 3079/95, 05.03.1997 Syngenta file N° CGA77102/0274 RIP9800423 , BVL-2662521	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 07	IIA 6.3.2.6.1 / 07	Mostert, I.	1997	Magnitude of residues in sunflower and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Spain Novartis Crop Protection AG, Basel, CH Study Report 3058/95, 22.04.1997 Syngenta file N° CGA77102/0325 RIP9800424 , BVL-2662522	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 08	IIA 6.3.2.6.1 / 08	Mostert, I.	1997	Magnitude of residues in sunflower and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Spain Novartis Crop Protection AG, Basel, CH Study Report 3030/95, 09.04.1997 Syngenta file N° CGA77102/0287 RIP9800425 , BVL-2662523	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 09	IIA 6.3.2.6.1 / 09	Mostert, I.	1997	Magnitude of residues in sunflowers and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Spain Novartis Crop Protection AG, Basel, CH Study Report 3017/96, 28.05.1997 Syngenta file N° CGA77102/0319 RIP9800426 , BVL-2662524	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 10	IIA 6.3.2.6.1 / 10	Mostert, I.	1997	Magnitude of residues in sunflower and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Spain Novartis Crop Protection AG, Basel, CH Study Report 3031/95, 09.04.1997 Syngenta file N° CGA77102/0288 RIP9800427 , BVL-2662525	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.6 / 11	IIA 6.3.2.6.1 / 11	Mostert, I.	1997	Magnitude of residues in sunflower and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Spain Novartis Crop Protection AG, Basel, CH Study Report 3059/95, 22.04.1997 Syngenta file N° CGA77102/0326 RIP9800428 , BVL-2662526	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 12	IIA 6.3.2.6.1 / 12	Mostert, I.	1997	Magnitude of residues in sunflowers and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Spain Novartis Crop Protection AG, Basel, CH Study Report 3018/96, 28.05.1997 Syngenta file N° CGA77102/0320 RIP9800429 , BVL-2662527	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 13	IIA 6.3.2.6.1 / 13	Mostert, I.	1997	Magnitude of residues in sunflowers and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Spain Novartis Crop Protection AG, Basel, CH Study Report 3019/96, 28.05.1997 Syngenta file N° CGA77102/0321 RIP9800430 , BVL-2662528	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 14	IIA 6.3.2.6.1 / 14	Mostert, I.	1997	Magnitude of residues in sunflowers and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Spain Novartis Crop Protection AG, Basel, CH Study Report 3020/96, 28.05.1997 Syngenta file N° CGA77102/0322 RIP9800431 , BVL-2662529	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 15	IIA 6.3.2.6.2 / 01	Egli, H.	1990	Determination of residues in sunflower seed after application of Metolachlor (CGA 24705), Austria Ciba-Geigy Ltd., Basel, CH Study Report 3237/87, 20.03.1990 Syngenta file N° CGA24705/1971 RIP9800432 , BVL-2662530	N	N	-	SYN	1998	Original EU dossier

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CA 6.3.1	IIA1 6.3.6 / 16	IIA 6.3.2.6.2 / 02	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sunflower (grain), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 35/84, 27.02.1985 Syngenta file N° CGA24705/01151 RIP9800433 , BVL-2662531	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 17	IIA 6.3.2.6.2 / 03	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sunflower (grain), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 10/85, 07.03.1985 Syngenta file N° CGA24705/1155 RIP9800434 , BVL-2662532	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.6 / 18	IIA 6.3.2.6.2 / 04	Egli, H.	1976	Metolachlor (CGA 24705) – Residues in sunflower seed after application of DU- AL 500 EC, Switzerland 1976 Ciba-Geigy Ltd., Basel, CH Study Report 161/76, 21.10.1976 Syngenta file N° CGA24705/1139 RIP9800435 , BVL-2662533	N	N	-	SYN	1998	Original EU dossier
CA 6.3	-	-	Meyer M.	2013	S-metolachlor – Residue Study on Sun- flower in Germany and United Kingdom in 2011 Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, TK0055810-REG GLP not published Syngenta File No A9396G_11029 BVL-2771197, ASB2016-802	N	Y	New data; eligible for data protection accord- ing to SAN- CO/12576/2012	SYN	2015	Supplementary dossier

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CA 6.3.1	-	-	Ziske J., Stahl F.	2017	S-metolachlor - Residue Study on Sun- flower in Hungary in 2016 Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, IF-16/03699000, TK0291740 GLP not published Syngenta File No A9396G_11382 BVL-3392855, ASB2017-13213	N	Y		SYN	2017	Supplementary dossier
CA 6.3.1	-	-	Meyer M.	2014	S-metolachlor - Residue Study on Sun- flower in Southern France and Spain in 2011 Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, TK055809-REG GLP not published Syngenta File No A9396G_11223 BVL-2771198, ASB2016-801	N	Y	New data; eligible for data protection accord- ing to SAN- CO/12576/2012	SYN	2015	Supplementary dossier
CA 6.3	IIA1 6.3.1 / 21	IIA 6.3.2.6.1 / 15	Maffezzoni, M.	1997	Magnitude of residues at harvest after application of CGA 77102 AS formula- tion EC 960 in sunflower and soil, France (North) Novartis Agro S.A., Aigues-Vives, France Study Report OH96206/SJ16, 18.08.1997 Syngenta File No CGA77102/0358 BVL-2661366, ASB2015-345	N	N		SYN	1998	Nicht Bestandteil des EU-Dossiers

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CA 6.3	IIA1 6.3.1 / 22	IIA 6.3.2.6.1 / 16	Maffezzoni, M.	1997	Magnitude of residues at harvest after application of CGA 77102 AS formula- tion EC 960 in sunflower and soil, France (North) Novartis Agro S.A., Aigues-Vives, France Study Report OH96206/KJ84, 18.08.1997 Syngenta File No CGA77102/0359 BVL-2661367, ASB2015-346	N	N		SYN	1998	Nicht Bestandteil des EU-Dossiers
CA 6.3	IIA1 6.3.1 / 01	IIA 6.3.2.1.1 / 01	Pointurier, R.	1996	Magnitude of residues after application of CGA 77102 as formulation A9396 B - EC 960 in maize (milky stage, silage stage and grains at maturity), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report OH95202 Trial LD26, 10.10.1996 Syngenta file N° CGA77102/0180 RIP9800329 , BVL-2662414	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 02	IIA 6.3.2.1.1 / 02	Pointurier, R.	1996	Magnitude of residues after application of CGA 77102 as formulation A9396 B - EC 960 in maize (milky stage, silage stage and grains at maturity), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report OH95202 Trial KJ33, 10.10.1996 Syngenta file N° CGA77102/0177 RIP9800330 , BVL-2661354	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 03	IIA 6.3.2.1.1 / 03	Maffezzoni, M.	1997	Magnitude of residues at harvest after application of CGA 77102 as formulation EC 960 in maize, France Ciba-Geigy SA, Rueil-Malmaison, F Study Report OH96205 Trial KJ83, 24.03.1997 Syngenta file N° CGA77102/0286 RIP9800331 , BVL-2661353	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.1 / 04	IIA 6.3.2.1.1 / 04	Pointurier, R.	1996	Magnitude of residues after application of CGA 77102 as formulation A9396 B - EC 960 in maize (milky stage, silage stage and grains at maturity), France Ciba-Geigy Ltd., Basel, CH Study Report OH95202 Trial AC80, 10.10.1996 Syngenta file N° CGA77102/0178 RIP9800332 , BVL-2662417	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 05	IIA 6.3.2.1.1 / 05	Maffezzoni, M.	1997	Magnitude of residues at harvest after application of CGA 77102 as formulation EC 960 in maize, France Ciba-Geigy SA, Rueil-Malmaison, F Study Report OH96205 Trial AC15, 24.03.1997 Syngenta file N° CGA77102/0284 RIP9800333 , BVL-2662417	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 06	IIA 6.3.2.1.1 / 06	Maffezzoni, M.	1997	Magnitude of residues at harvest after application of CGA 77102 as formulation EC 960 in maize, France Ciba-Geigy SA, Rueil-Malmaison, F Study Report OH96205 Trial LD86, 24.03.1997 Syngenta file N° CGA77102/0283 RIP9800334 , BVL-2662419	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 07	IIA 6.3.2.1.1 / 07	Maffezzoni, M.	1997	Magnitude of residues at harvest after application of CGA 77102 as formulation EC 960 in maize, France Ciba-Geigy SA, Rueil-Malmaison, F Study Report OH96205 Trial SJ17, 24.03.1997 Syngenta file N° CGA77102/0285 RIP9800335 , BVL-3287583	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.1 / 08	IIA 6.3.2.1.1 / 08	Pointurier, R.	1996	Magnitude of residues after application of CGA 77102 as formulation A9396 B - EC 960 in maize (milky stage, silage stage and grains at maturity), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report OH95202 Trial SJ80, 10.10.1996 Syngenta file N° CGA77102/0179 RIP9800336 , BVL-2661355	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 09	IIA 6.3.2.1.1 / 09	Mostert, I.	1996	Magnitude of residues in maize and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Germany Ciba-Geigy Ltd., Basel, CH Study Report 3052/95, 28.04.1997 Syngenta file N° CGA77102/0223 RIP9800337 , ASB2015-731 , BVL-2661392	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 10	IIA 6.3.2.1.1 / 10	Mostert, I.	1996	Magnitude of residues in maize and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Germany Ciba-Geigy Ltd., Basel, CH Study Report 3051/95, 20.05.1997 Syngenta file N° CGA77102/0312 RIP9800338 , ASB2015-733 , BVL-2661389	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 11	IIA 6.3.2.1.1 / 11	Mostert, I.	1996	Magnitude of residues in maize and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Germany Ciba-Geigy Ltd., Basel, CH Study Report 3053/95, 20.05.1997 Syngenta file N° CGA77102/0313 RIP9800339 , ASB2015-732 , BVL-2661388	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.1 / 12	IIA 6.3.2.1.1 / 12	Mostert, I.	1997	Magnitude of residues in maize after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Novartis Crop Protection AG, Basel, CH Study Report 3048/96, 24.02.1997 Syngenta file N° CGA77102/0275 RIP9800340 , BVL-2662425	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 13	IIA 6.3.2.1.1 / 13*	Mostert, I.	1997	Magnitude of residues in maize after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Ciba-Geigy Ltd., Basel, CH Study Report 3046/96, 03.02.1997 Syngenta file N° CGA77102/0238 RIP9800341 , BVL-2662426	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 14	IIA 6.3.2.1.1 / 14	Mostert, I.	1997	Magnitude of residues in maize after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Novartis Crop Protection AG, Basel, CH Study Report 3047/96, 24.02.1997 Syngenta file N° CGA77102/0276 RIP9800342 , BVL- BVL-2662427	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 15	IIA 6.3.2.1.1 / 15	Mostert, I.	1996	Magnitude of residues in maize after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Ciba-Geigy Ltd., Basel, CH Study Report 3076/95, 13.12.1996 Syngenta file N° CGA77102/0214 RIP9800343 , BVL-2662428	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 16	IIA 6.3.2.1.1 / 16	Mostert, I.	1996	Magnitude of residues in maize after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Ciba-Geigy Ltd., Basel, CH Study Report 3078/95, 13.12.1996 Syngenta file N° CGA77102/0216 RIP9800344 , BVL-2662429	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.1 / 17	IIA 6.3.2.1.1 / 17	Mostert, I.	1996	Magnitude of residues in maize after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Ciba-Geigy Ltd., Basel, CH Study Report 3077/95, 13.12.1996 Syngenta file N° CGA77102/0215 RIP9800345 , BVL-2662429	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 18	IIA 6.3.2.1.1 / 18	Mostert, I.	1996	Magnitude of residues in maize after application of CGA 77102 as formulation 960 EC (A-9396 B), Switzerland Ciba-Geigy Ltd., Basel, CH Study Report 3008/96, 16.12.1996 Syngenta file N° CGA77102/0227 RIP9800346 , BVL-2661416	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 19	IIA 6.3.2.1.1 / 19	Mostert, I.	1996	Determination of residues of CGA 77102 in maize (grain and remainder) – Field Trial, Switzerland Ciba-Geigy Ltd., Basel, CH Study Report 3047/95, 19.09.1996 Syngenta file N° CGA77102/0150 RIP9800347 , BVL-2661414	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 20	IIA 6.3.2.1.1 / 20	Mostert, I.	1997	Determination of residues of CGA 77102 in maize and soil, and determination of metabolites CGA 351916 and CGA 380168 in soil, Switzerland Ciba-Geigy Ltd., Basel, CH Study Report 3009/96, 16.01.1997 Syngenta file N° CGA77102/0230 RIP9800348 , BVL-2661417	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.1 / 21	IIA 6.3.2.1.1 / 21	Mostert, I.	1997	Determination of residues of CGA 77102 in maize and soil, and determination of metabolites CGA 351916 and CGA 380168 in soil, Switzerland Novartis Crop Protection AG, Basel, CH Study Report 3046/95, 10.04.1997 Syngenta file N° CGA77102/0200 RIP9800349 , ASB2015-728 , BVL-2662433	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 22	IIA 6.3.2.1.1 / 22 6.3.2.1.2 / 01	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Field corn, Indiana, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report NE-HR-106-94/No. 1, 11.01.1996 Syngenta file N° CGA77102/0101 RIP9800350	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 23	IIA 6.3.2.1.1 / 23 6.3.2.1.2 / 02	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Sweet corn, Illinois, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 04-HR-002-95/No. 1, 15.01.1996 Syngenta file N° CGA77102/0095 RIP9800351	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 24 + 25	IIA 6.3.2.1.1 / 24 6.3.2.1.1 / 25	Oakes, T.L.	1996	CGA 77102 (8E), Field corn, Illinois, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 04-HR-004-94/No. 1, 11.01.1996 Syngenta file N° CGA77102/0098 RIP9800352	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 26	IIA 6.3.2.1.1 / 26 6.3.2.1.2 / 03	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Sweet corn, New York, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 05-HR-001-95/No. 1, 15.01.1996 Syngenta file N° CGA77102/0092 RIP9800353	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.1 / 27 + 28	IIA 6.3.2.1.1 / 27 6.3.2.1.1 / 28	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Field corn, New York, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 05-HR-004-94/No. 1, 11.01.1996 Syngenta file N° CGA77102/0099 RIP9800354	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 29	IIA 6.3.2.1.1 / 29 6.3.2.1.2 / 05	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Field corn, Minnesota, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report MW-HR-804-94/No. 1, 11.01.1996 Syngenta file N° CGA77102/0100 RIP9800355	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 30	IIA 6.3.2.1.1 / 30 6.3.2.1.2 / 06	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Field corn, North Carolina, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report OS-HR-602-94/No. 1, 11.01.1996 Syngenta file N° CGA77102/0103 RIP9800356	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 31	IIA 6.3.2.1.1 / 31 6.3.2.1.2 / 07	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Sweet corn, California, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 02-HR-002-95/No. 1, 15.01.1996 Syngenta file N° CGA77102/0091 RIP9800357	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 32	IIA 6.3.2.1.1 / 32 6.3.2.1.2 / 08	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Sweet corn, Florida, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 07-HR-002-95/No. 1, 15.01.1996 Syngenta file N° CGA77102/0093 RIP9800358	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.1 / 33	IIA 6.3.2.1.1 / 33 6.3.2.1.2 / 09	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Sweet corn, Michigan, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report NE-HR-707-95/No. 1, 15.01.1996 Syngenta file N° CGA77102/0094 RIP9800359	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 34	IIA 6.3.2.1.1 / 34 6.3.2.1.2 / 10	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Field corn, California, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report OW-HR-406-94/No. 1, 11.01.1996 Syngenta file N° CGA77102/0102 RIP9800360	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.1 / 35	IIA 6.3.2.1.1 / 35 6.3.2.1.2 / 11	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Sweet corn, Iowa, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report MW-HR-150-95/No. 1, 15.01.1996 Syngenta file N° CGA77102/0096 RIP9800361	N	N	-	SYN	1998	Original EU dossier
CA 6.3	-	-	Meyer M.	2014	S-metolachlor - Residue Study on Maize in Germany, Northern France and the United Kingdom in 2011 Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, TK0055814-REG GLP not published Syngenta File No A9396G_11226 BVL-2771199, ASB2016-800	N	Y	New data; eligible for data protection accord- ing to SAN- CO/12576/2012	SYN	2015	Supplementary dossier

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CA 6.3	-	-	Meyer M.	2014	S-metolachlor - Residue Study on Maize in Southern France and Spain in 2011 Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, TK0055813-REG GLP not published Syngenta File No A9396G_11227 BVL-2771200, ASB2016-799	N	Y	New data; eligible for data protection according to SAN-CO/12576/2012	SYN	2015	Supplementary dossier
CA 6.3	IIA1 6.3.2 / 01	IIA 6.3.2.2.2 / 01	Egli, H.	1977	Residues in potatoes after application of DUAL 500 EC, Canada 1976 Ciba-Geigy Ltd., Basel, CH Study Report 406/77, 10.11.1977 Syngenta file N° CGA24705/0942 RIP9800362	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.2 / 02	IIA 6.3.2.2.2 / 02	Egli, H.	1977	Residues in potatoes after application of DUAL 500 EC, Canada 1976 Ciba-Geigy Ltd., Basel, CH Study Report 407/77, 10.11.1977 Syngenta file N° CGA24705/0943 RIP9800363	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.2 / 03	IIA 6.3.2.2.2 / 03	Egli, H.	1984	Determination of residues in potatoes (tubers) after application of DUAL 500 EC, Canada 1983 Ciba-Geigy Ltd., Basel, CH Study Report 3185/83, 28.05.1984 Syngenta file N° CGA24705/0944 RIP9800364	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.2 / 04	IIA 6.3.2.2.2 / 04	Egli, H.	1984	Determination of residues in potatoes after application of DUAL 500 EC, Canada 1983 Ciba-Geigy Ltd., Basel, CH Study Report 3188/83, 28.05.1984 Syngenta file N° CGA24705/0945 RIP9800365	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.2 / 05	IIA 6.3.2.2.2 / 05	Cheung, M.W.	1980	Metolachlor (DUAL 8E), potatoes (tu- bers), USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 6106/6-HR-1-80, 26.09.1980 Syngenta file N° CGA24705/0959 RIP9800366	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.2 / 06 + 07 + 08	IIA 6.3.2.2.2 / 06 6.3.2.2.2 / 07 6.3.2.2.2 / 08	Cheung, M.W.	1980	Metolachlor (DUAL 8E), potatoes (tu- bers), USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 6111 II/NE-HR-401-80, 17.09.1980 Syngenta file N° CGA24705/0960 RIP9800367	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.2 / 09 + 10 + 11	IIA 6.3.2.2.2 / 09 6.3.2.2.2 / 10 6.3.2.2.2 / 11	Cheung, M.W.	1989	Metolachlor (DUAL 8EC), potatoes, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 10657 1,2/OW-HR-601-87, 18.01.1989 Syngenta file N° CGA24705/0966 RIP9800368	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.2 / 12 + 13	IIA 6.3.2.2.2 / 12 6.3.2.2.2 / 13	Kahrs, R.A.	1982	Metolachlor (DUAL 15G), potatoes (tuber), USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 6614/NE-HR-401-81, 25.05.1982 Syngenta file N° CGA24705/0963 RIP9800369	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.2 / 14 + 15	IIA 6.3.2.2.2 / 14 6.3.2.2.2 / 15	Kahrs, R.A.	1982	Metolachlor (DUAL 15G), potatoes (tuber), USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 6547 I-II/MW-HR-502-81, 25.05.1982 Syngenta file N° CGA24705/0962 RIP9800370	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.2 / 16 + 17	IIA 6.3.2.2.2 / 16 6.3.2.2.2 / 17	Kahrs, R.A.	1982	Metolachlor (DUAL 15G), potatoes (tuber), USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 6532/OW-HR-101-81, 25.05.1982 Syngenta file N° CGA24705/0961 RIP9800371	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.3 / 01	IIA 6.3.2.3.1 / 01	Maffezzoni, M.	1997	Magnitude of residues at harvest after application of CGA 77102 AS formula- tion EC 960 in sorghum, France Ciba-Geigy SA, Rueil-Malmaison, F Study Report OH96207 Trial AC17, 24.02.1997 Syngenta file N° CGA77102/0280 RIP9800372	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.3 / 02	IIA 6.3.2.3.1 / 02	Maffezzoni, M.	1997	Magnitude of residues at harvest after application of CGA 77102 AS formula- tion EC 960 in sorghum, France Ciba-Geigy SA, Rueil-Malmaison, F Study Report OH96207 Trial BY03, 24.02.1997 Syngenta file N° CGA77102/0281 RIP9800373	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.3 / 03	IIA 6.3.2.3.1 / 03	Maffezzoni, M.	1997	Magnitude of residues at harvest after application of CGA 77102 AS formula- tion EC 960 in sorghum, France Ciba-Geigy SA, Rueil-Malmaison, F Study Report OH96207 Trial LD84, 24.02.1997 Syngenta file N° CGA77102/0282 RIP9800374	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.3 / 04	IIA 6.3.2.3.1 / 04	Mostert, I.	1997	Magnitude of residues in sorghum after application of CGA 77102 AS formula- tion 960 EC (A-9396 B), Italy Ciba-Geigy Ltd., Basel, CH Study Report 3043/96, 03.02.1997 Syngenta file N° CGA77102/0237 RIP9800375	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.3 / 05 + 06	IIA 6.3.2.3.2 / 01 6.3.2.3.2 / 02	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sorghum (grain), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 25-84, 07.03.1985 Syngenta file N° CGA24705/0987 RIP9800376	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.3 / 07 + 08	IIA 6.3.2.3.2 / 03 6.3.2.3.2 / 04	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sorghum (grain), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 27-84, 07.03.1985 Syngenta file N° CGA24705/0989 RIP9800377	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.3 / 09	IIA 6.3.2.3.2 / 05	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sorghum (grain), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 01-85, 20.03.1985 Syngenta file N° CGA24705/0990 RIP9800378	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.3 / 10 + 11	IIA 6.3.2.3.2 / 06 6.3.2.3.2 / 07	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sorghum (grain), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 26-84, 07.03.1985 Syngenta file N° CGA24705/0988 RIP9800379	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.3 / 12	IIA 6.3.2.3.2 / 08	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sorghum (grain), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 04-85, 15.03.1985 Syngenta file N° CGA24705/0993 RIP9800380	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.3 / 13 + 14	IIA 6.3.2.3.2 / 09 6.3.2.3.2 / 10	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sorghum (grain), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 24-84, 01.03.1985 Syngenta file N° CGA24705/0986 RIP9800381	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.3 / 15	IIA 6.3.2.3.2 / 11	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sorghum (grain), France Ciba-Geigy Ltd., Basel, CH§ Study Report 03-85, 20.03.1985 Syngenta file N° CGA24705/0992 RIP9800382	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.3 / 16	IIA 6.3.2.3.2 / 12	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sorghum (grain), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 05-85, 15.03.1985 Syngenta file N° CGA24705/0994 RIP9800383	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.3 / 17	IIA 6.3.2.3.2 / 13	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sorghum (grain), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 02-85, 20.03.1985 Syngenta file N° CGA24705/0991 RIP9800384	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.3 / 18 + 19	IIA 6.3.2.3.2 / 14 6.3.2.3.2 / 15	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sorghum (grain), France Ciba-Geigy Ltd., Basel, CH Study Report 23-84, 07.03.1985 Syngenta file N° CGA24705/0985 RIP9800385	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.3 / 20	IIA 6.3.2.3.2 / 16	Tournayre, J.C.	1985	Determination of CGA 24705 at harvest, sorghum (grain), France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 06-85, 15.03.1985 Syngenta file N° CGA24705/0995 RIP9800386	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.4 / 01	IIA 6.3.2.4.1 / 01	Mostert, I.	1997	Magnitude of residues in soybeans and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Novartis Crop Protection AG, Basel, CH Study Report 3049/96, 15.05.1997 Syngenta file N° CGA77102/0308 RIP9800387	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.4 / 02	IIA 6.3.2.4.1 / 02	Mostert, I.	1997	Magnitude of residues in soybeans and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Novartis Crop Protection AG, Basel, CH Study Report 3081/95, 15.05.1997 Syngenta file N° CGA77102/0310 RIP9800388	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.4 / 03	IIA 6.3.2.4.1 / 03	Mostert, I.	1997	Magnitude of residues in soybeans and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Novartis Crop Protection AG, Basel, CH Study Report 3082/95, 15.05.1997 Syngenta file N° CGA77102/0311 RIP9800389	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.4 / 04	IIA 6.3.2.4.1 / 04	Mostert, I.	1997	Magnitude of residues in soybeans and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Italy Novartis Crop Protection AG, Basel, CH Study Report 3050/96, 15.05.1997 Syngenta file N° CGA77102/0309 RIP9800390	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.4 / 05	IIA 6.3.2.4.1 / 05 6.3.2.4.2 / 05	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Soy- beans, Ohio, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report NE-HR-210-94/No.1, 11.01.1996 Syngenta file N° CGA77102/0089 RIP9800391	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.4 / 06 + 07	IIA 6.3.2.4.1 / 06 6.3.2.4.1 / 07 6.3.2.4.2 / 08	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Soy- beans, Illinois, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 04-HR-005-94/No. 1, 11.01.1996 Syngenta file N° CGA77102/0087 RIP9800392	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.4 / 08	IIA 6.3.2.4.1 / 08 6.3.2.4.2 / 06	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Soy- beans, Iowa, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report MW-HR-103-94/No. 1, 11.01.1996 Syngenta file N° CGA77102/0088 RIP9800393	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.4 / 09	IIA 6.3.2.4.1 / 09 6.3.2.4.2 / 07	Oakes, T.L.	1996	CGA 77102 and metolachlor (8E), Soy- beans, Mississippi, USA Ciba-Geigy Corp., Greensboro NC, USA Study Report 03-HR-005-94/No. 1, 11.01.1996 Syngenta file N° CGA77102/0086 RIP9800394	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.4 / 10	IIA 6.3.2.4.2 / 01	Tournayre, J.C.	1986	Determination of CGA 24705 at harvest, soya, grain, France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 09-86, 14.06.1986 Novartis File CGA24705/1028 RIP9800395	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.4 / 11	IIA 6.3.2.4.2 / 02	Tournayre, J.C.	1986	Determination of CGA 24705 at harvest, soya, grain, France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 12-86, 14.06.1986 Novartis File CGA24705/1031 RIP9800396	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.4 / 12	IIA 6.3.2.4.2 / 03	Tournayre, J.C.	1986	Determination of CGA 24705 at harvest, soya, grain, France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 11-86, 14.06.1986 Novartis File CGA24705/1030 RIP9800397	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.4 / 13	IIA 6.3.2.4.2 / 04	Tournayre, J.C.	1986	Determination of CGA 24705 at harvest, soya, grain, France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 10-86, 14.06.1986 Novartis File CGA24705/1029 RIP9800398	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 01	IIA 6.3.2.5.1 / 01	Mostert, I.	1996	Magnitude of residues in sugar beet after application of CGA 77102 as formulation 960 EC (A-9396 B), Greece Ciba-Geigy Ltd., Basel, CH Study Report 3038/95, 11.12.1996 Syngenta file N° CGA77102/0209 RIP9800399	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 02	IIA 6.3.2.5.1 / 02	Mostert, I.	1997	Magnitude of residues in sugar beet after application of CGA 77102 as formulation 960 EC (A-9396 B), Greece Novartis Crop Protection AG, Basel, CH Study Report 3035/96, 12.03.1997 Syngenta file N° CGA77102/0271 RIP9800400	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.5 / 03	IIA 6.3.2.5.1 / 03	Mostert, I.	1996	Magnitude of residues in sugar beet after application of CGA 77102 as formulation 960 EC (A-9396 B), Greece Ciba-Geigy Ltd., Basel, CH Study Report 3039/95, 11.12.1996 Syngenta file N° CGA77102/0210 RIP9800401	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 04	IIA 6.3.2.5.1 / 04	Mostert, I.	1997	Magnitude of residues in sugar beet after application of CGA 77102 as formulation 960 EC (A-9396 B), Greece Novartis Crop Protection AG, Basel, CH Study Report 3036/96, 12.03.1997 Syngenta file N° CGA77102/0272 RIP9800402	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 05	IIA 6.3.2.5.1 / 05	Mostert, I.	1997	Magnitude of residues in sugar beet and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Spain Novartis Crop Protection AG, Basel, CH Study Report 3016/96, 23.05.1997 Syngenta file N° CGA77102/0315 RIP9800404	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 06	IIA 6.3.2.5.1 / 06	Mostert, I.	1997	Magnitude of residues in sugar beet and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Spain Novartis Crop Protection AG, Basel, CH Study Report 3032/95, 14.04.1997 Syngenta file N° CGA77102/0201 RIP9800405	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 07	IIA 6.3.2.5.1 / 07	Mostert, I.	1997	Magnitude of residues in sugar beet and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Spain Novartis Crop Protection AG, Basel, CH Study Report 3033/95, 14.04.1997 Syngenta file N° CGA77102/0202 RIP9800406	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.5 / 08	IIA 6.3.2.5.1 / 08	Mostert, I.	1997	Magnitude of residues in sugar beet and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Spain Novartis Crop Protection AG, Basel, CH Study Report 3015/96, 23.05.1997 Syngenta file N° CGA77102/0314 RIP9800407	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 09	IIA 6.3.2.5.1 / 09	Mostert, I.	1996	Magnitude of residues in sugar beet after application of CGA 77102 as formulation 960 EC (A-9396 B), Switzerland Ciba-Geigy Ltd., Basel, CH Study Report 3007/96, 16.12.1996 Syngenta file N° CGA77102/0226 RIP9800408	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 10	IIA 6.3.2.5.1 / 10	Mostert, I.	1996	Magnitude of residues in sugar beet after application of CGA 77102 as formulation 960 EC (A-9396 B), Switzerland Ciba-Geigy Ltd., Basel, CH Study Report 3006/96, 16.12.1996 Syngenta file N° CGA77102/0225 RIP9800409	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 11	IIA 6.3.2.5.1 / 11	Mostert, I.	1997	Magnitude of residues in sugarbeet and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Switzerland Novartis Crop Protection AG, Basel, CH Study Report 3045/95, 14.04.1997 Syngenta file N° CGA77102/0199 ASB2015-729	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 12	IIA 6.3.2.5.1 / 12	Mostert, I.	1997	Magnitude of residues in sugarbeet and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Switzerland Novartis Crop Protection AG, Basel, CH Study Report 3044/95, 14.04.1997 Syngenta file N° CGA77102/0198 ASB2015-730	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.5 / 13	IIA 6.3.2.5.2 / 01	Tournayre, J.C.	1975	Residues of CGA 24705 in sugarbeets, France Ciba-Geigy SA, Rueil-Malmaison, F Study Report 74-3008, 06.01.1975 Novartis File CGA24705/1107 RIP9800412	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 14	IIA 6.3.2.5.2 / 02	Egli, H.	1979	Berichtsbogen für Rückstandsuntersu- chungen mit Pflanzenbehandlungsmitteln - Zuckerrüben, Germany 1979 Ciba-Geigy Ltd., Basel, CH Study Report 3240/79, 01.11.1979 Novartis File CGA24705/1105 RIP9800413	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 15	IIA 6.3.2.5.2 / 03	Egli, H.	1978	Berichtsbogen für Rückstandsuntersu- chungen mit Pflanzenbehandlungsmitteln - Zuckerrüben, Germany 1978 Ciba-Geigy Ltd., Basel, CH Study Report 306/79, 01.12.1978 Novartis File CGA24705/1102 RIP9800414	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 16	IIA 6.3.2.5.2 / 04	Egli, H.	1979	Berichtsbogen für Rückstandsuntersu- chungen mit Pflanzenbehandlungsmitteln - Zuckerrüben, Germany 1979 Ciba-Geigy Ltd., Basel, CH Study Report 3239/79, 01.11.1979 Novartis File CGA24705/1104 RIP9800415	N	N	-	SYN	1998	Original EU dossier
CA 6.3	IIA1 6.3.5 / 17	IIA 6.3.2.5.2 / 05	Egli, H.	1979	Berichtsbogen für Rückstandsuntersu- chungen mit Pflanzenbehandlungsmitteln - Zuckerrüben, Germany 1978 Ciba-Geigy Ltd., Basel, CH Study Report 308/79, 01.01.1979 Novartis File CGA24705/1103 RIP9800416	N	N	-	SYN	1998	Original EU dossier

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CA 6.3	IIA1 6.3.5 / 18	IIA 6.3.2.5.2 / 06	Egli, H.	1978	Berichtsbogen für Rückstandsuntersuchungen mit Pflanzenbehandlungsmitteln - Zuckerrüben, Switzerland 1978 Ciba-Geigy Ltd., Basel, CH Study Report 304/79, 01.12.1978 Novartis File CGA24705/1118 RIP9800417	N	N	-	SYN	1998	Original EU dossier
CA 6.4	IIA1 6.4 / 01	IIA 6.4 / 01	Tribolet, R.	1997	Residues in milk, blood and tissues (muscle, fat, liver, kidney) of dairy cattle resulting from feeding at three levels of CGA 77102 Novartis Crop Protection AG, Basel, CH Study Report 139/96, 02.06.1997 Syngenta file N° CGA77102/0327 RIP9800440 , BVL-2662534	Y	N	-	SYN	1998	Original EU dossier
CA 6.6	IIA1 6.6 / 01	IIA 6.6 / 01	Peffer, R.C.	1993	Analytical Phase I (Mass Balance) Report for the Uptake and Distribution of Metolachlor in Greenhouse Grown Rotational Crops Grown in Soil which has been previously used for Growing Potatoes Ciba-Geigy Corp., Greensboro NC, USA Study Report ANPHI-93005, 23.08.1993 Syngenta file N° CGA24705/2343 RIP9800441 , BVL-2662535	N	N	-	SYN	1998	Original EU dossier
CA 6.6.1	-	-	Sandmeier, P.	2001	Outdoor Confined Accumulation Study on Rotational Crops after Bareground Application of [Phenyl-(U)- ¹⁴ C] CGA 77102 Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 99PSA53, 16.05.2001 GLP not published Syngenta File No CGA77102/0585 ASB2016-10044 , BVL-3175280	N	Y	New data; eligible for data protection according to SAN-CO/12576/2012	SYN	2016	Supplementary dossier

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CA 6.6.2	-	-	Gemrot F.	2014	S-metolachlor - Residue Study on Rota- tional Crops in the United Kingdom and Germany in 2012 and 2013 Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S12-00865 GLP not published Syngenta File No A9396G_11233 ASB2016-798 , BVL-2771201	N	Y	New data; eligible for data protection accord- ing to SAN- CO/12576/2012	SYN	2015	Supplementary dossier
CA 6.6.2	-	-	Gemrot F.	2014a	S-metolachlor - Residue Study on Rota- tional Crops in southern France and Spain from 2012 to 2015 Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S12-00866 GLP not published Syngenta File No A9396G_11244 ASB2016-797 , BVL-2771202	N	Y	New data; eligible for data protection accord- ing to SAN- CO/12576/2012	SYN	2015	Supplementary dossier
EG MCA Section 9	-	-	Anon.	2014	S-Metolachlor: MCA Section 9 - Litera- ture data - Metabolism and residues data Syngenta File No CGA077102_11317 ASB2016-1396	N			SYN	2015	Supplementary dossier
CA 6.10	-	-	Bera P., Prasher S. O., Patel R. M., Madani A., Lacroix R., Gaynor J. D., Tan C. S., Kim S. H.	2006	Application of MARS in simulating pesticide concentrations in soil. Transactions of the ASABE; 49(1): 297- 307	N	N	Add	public	NA	NA
CA 6.10	-	-	Cabrera A., Papiernik S. K., Koskinen W. C., Rice P. J.	2012	Sorption and dissipation of aged metolachlor residues in eroded and reha- bilitated soils. Pest Management Science; 68(9): 1272- 1277 ASB2017-1347	N	N	Add	public	NA	NA

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CA 6.10	-	-	Cao P., Wang X., Liu F., Zhao E., Han L.	2008	Dissipation and residue of S-metolachlor in maize and soil. Bulletin of Environmental Contamination and Toxicology; 80(5): 391-394 ASB-2017-1348	N	N	Add	public	NA	NA
CA 6.10	-	-	Henderson K. L., Belden J. B., Coats J. R.	2007	Mass Balance of Metolachlor in a Grassed Phytoremediation System. Environmental Science and Technology; 41(11): 4084-4089 ASB2017-1349	N	N	Add	public	NA	NA
CA 6.10	-	-	Jaikaew P., Boulange J., Thuyet D. Q., Malhat F., Ishihara S., Watanabe H.	2015	Potential impacts of seasonal variation on atrazine and metolachlor persistence in andisol soil. Environmental monitoring and assess- ment; 187(12): 760, pages: 10 ASB2017-1350	N	N	Add	public	NA	NA
CA 6.10	-	-	Pérez S., Farkas M., Barceló D., Aga D. S.	2007	Characterization of glutathione conju- gates of chloroacetanilide pesticides using ultra-performance liquid chroma- tography/quadrupole time-of-flight mass spectrometry and liquid chromatog- raphy/ion trap mass spectrometry Rapid Communications in Mass Spec- trometry; 21(24): 4017-4022 ASB2017-1351	N	N	Add	public	NA	NA
CA 6.10	-	-	Aslam S., Gar- nier P., Rumpel C., Parent S. E., Benoit P.	2013	Adsorption and desorption behavior of selected pesticides as influenced by de- composition of maize mulch. Chemosphere; 91(11): 1447-1455 ASB-2017-1346 BVL-3288025	N	N	Add	public	NA	NA

A.8 Environmental fate and behaviour

Active substance

CA point / reference number Reg. 283/2013	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where relevant), Published or not BVL registration number	Data Protection Claimed Y/N	Owner	Year of submission	Submitted with
KCA 7	Leonhardt, A.	1996	Metolachlor Assessment: Fate and behaviour in the environment, Novartis Crop Protection AG, Basel, Switzerland, 31.12.1996 Syngenta file N° CGA24705/2002 2662536	N	SYN	1998	Original EU dossier
KCA 7.1.1.1 / 01	Clark, A.	1995	Comparative Aerobic Soil Metabolism of Phenyl- ¹⁴ C-CGA-77102 and Phenyl- ¹⁴ C-Metolachlor. Ciba Crop Protection, Greensboro, NC, US Report N°. ABR-95102, 18.12.95 Syngenta file N° CGA77102/0081 2662537	N	SYN	1998	Original EU dossier
KCA 7.1.1.1 / 02	Buser, H.-R. and Müller M.D.	1995	1. Environmental behaviour of acetamide pesticide stereoisomers. 1. Stereo- and enantioselective determination using chiral high-resolution gas chromatography and chiral high-performance liquide chromatography Report , Environ.Sci.Technol.1995, 29,2023-2030. 2706570 2. Stereo- and enantioselective degradation in sewage sludge and soil, Report , Environ.Sci.Technol.1995, 29,2031-2037. Syngenta file N° CGA48988/4068 2706569	N	SYN	1998	Original EU dossier
KCA 7.1.1.1 / 03	Morgenroth, U.	1997	Degradation ¹⁴ C-CGA 77102 in one soil incubated under various experimental conditions, RCC Umweltchemie AG, P.O.Box CH-4452 Itingen Switzerland, Report N°.637424, 23.04.97 Syngenta file N° CGA77102/0289 2662540	N	SYN	1998	Original EU dossier

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KCA 7.1.1.1 / 04	Kitschmann, P.	1997	Degradation of (U)-Phenyl ¹⁴ C- Labeled CGA 77102 in Varois Soils under Laboratory Conditions, Novartis Crop Protection AG, CH 4002 Basle/Switzerland, GLP, unpublished Report N°. PR 96PK04, 26.05.97 Syngenta file N° CGA77102/0329 2662541	N	SYN	1998	Original EU dossier
KCA 7.1.1.1 / 05	Keller, A.	1997	Degradation of ¹⁴ C- CGA 77102 in Soil under Aerobic and Anaerobic Conditions at 20°C, Novartis Crop Protection AG, CH 4002 Basle/Switzerland, GLP, unpublished Report N°. PR 95AK04, 16.05.97 Syngenta file N° CGA77102/0328 2662542	N	SYN	1998	Original EU dossier
KCA 7.1.1.1 / 06	Simmonds M., Simmonds R.	2013	14C-S-Metolachlor - Aerobic Soil Metabolism of 14C-S-Metolachlor Syngenta Battelle UK Ltd., Ongar, United Kingdom, NC/11/008 GLP not published Syngenta File No CGA077102_11134 2771203	Y	SYN	2015	Supplementary dossier
KCA 7.1.1.1 / 07	Simmonds M., Simmonds R.	2014	14C-S-Metolachlor - Aerobic Soil Metabolism of 14C-S-Metolachlor Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/12/041 GLP not published Syngenta File No CGA077102_11167 2771204	Y	SYN	2015	Supplementary dossier
KCA 7.1.1.2 / 01	Keller, A.	1997	Degradation of ¹⁴ C- CGA 77102 in Soil under Aerobic and Anaerobic Conditions at 20°C, Novartis Crop Protection AG, CH 4002 Basle/Switzerland, GLP, unpublished Report N°. PR 95AK04, 16.05.97 Syngenta file N° CGA77102/0328 2662545	N	SYN	1998	Original EU dossier

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KCA 7.1.1.3 / 01	Merritt, A.	1995	Photodegradation of ¹⁴ C-Metolachlor and ¹⁴ C-CGA 77102 on Soil under Artificial Light; Ciba Crop Protection, Ciba-Geigy Corporation, 410 Swing Rd. Greensboro, NC 27409, GLP, unpublished Report N°. ABR-95128, 21.12.95 Syngenta file N° CGA77102/0080 2662546	N	SYN	1998	Original EU dossier
KCA 7.1.1.3 / 02	Simmonds R.	2012	14C-S-Metolachlor - Soil Photolysis of 14C-S-Metolachlor Syngenta Battelle UK Ltd., Ongar, United Kingdom, NC/11/007 GLP not published Syngenta File No CGA077102_11066 2771205	Y	SYN	2015	Supplementary dossier
KCA 7.1.2.1.1 / 01	Lucas Th.	1996	14C-CGA 24705: Rate of degradation in three soils Novartis Crop Protection AG, Basel, Switzerland Not Known, 380-226 GLP not published Syngenta File No CGA24705/2622 2771206	Y	SYN	2015	Supplementary dossier
KCA 7.1.2.1.1 / 02	Hein W.	2007	Degradation of CGA 77102 in three Horizons of Soil "Lorsch" Syngenta Crop Protection AG, Basel, Switzerland Dienstleistungszentrum Ländlicher Raum DLR, Neustadt, Germany, SYN08 GLP not published Syngenta File No CGA77102/1108 2771207	Y	SYN	2015	Supplementary dossier
KCA 7.1.2.1.1 / 03	Adam, D.	2013	Metolachlor – Degradation of 14C-CGA24705 in various Soils from four Continents under Laboratory Conditions. Report Number TK0210625 TECH, Innovative Environmental Services (IES) Ltd, 4108 Witterswil, Switzerland. Syngenta File No. CGA024705_10023 2771208	N	SYN	2015	Supplementary dossier
KCA 7.1.2.1.1 / 04	Phaff, R.	2001	CGA77102 - Degradation of 14C-labelled CA77102 in Soil Birkenheide under Aerobic Conditions at 20°C Report Number 00RP03 Syngenta Crop Protection AG, Global Environmental Safety/Ecochemistry, 4002 Basel, Switzerland. (Syngenta file No. CGA77102/0582)	Y	SYN	2017	Supplementary dossier

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KCA 7.1.2.1.1 / 04	Hardy, IAJ	2014	Metolachlor/S-metolachlor Metolachlor/S-metolachlor - Kinetic Modelling Analysis of Data from Aerobic Soil Degradation Studies to Derive Modelling and Trigger Endpoint DT ₅₀ Values, Report Number NC/13/056A, Jealott's Hill International Research Centre, Bracknell, UK. Syngenta File No. CGA077102_11211 2771216	N	SYN	2015	Supplementary dossier
KCA 7.1.2.1.2 / 01	Kitschmann, P.	1997	Degradation of (U)-Phenyl ¹⁴ C- Labelled CGA 351916 in one soil under Laboratory Conditions. Novartis Crop Protection AG, CH-4002 Basel, Switzerland, Report N° PR 96PK03 Novartis file N° 351916/1 2662552				
KCA 7.1.2.1.2 / 02	Mamouni, A.	1997	Metabolism of 14C-CGA41507 in one soil incubated under aerobic conditions RCC Umweltchemie AG, Itingen, Switzerland Study N°. 650823, 03.12.1997 GLP, unpublished Syngenta file N°CGA 41507/0006 2662543	N	SYN	1998	Original EU dossier
KCA 7.1.2.1.2 / 03	Mamouni, A.	1997	Metabolism of 14C-CGA376944 in one soil incubated under aerobic conditions. RCC Umweltchemie AG, Itingen, Switzerland Study N°. 650698, 03.12.1997 GLP, unpublished Syngenta file N°CGA 376944/0002 2662544	N	SYN	1998	Original EU dossier
KCA 7.1.2.1.2 / 04	Hein W.	2004	Degradation of CGA 354743 in a Top Soil (Origin Lorsch, Germany) Syngenta Crop Protection AG, Basel, Switzerland Dienstleistungszentrum Ländlicher Raum DLR, Neustadt, Germany, SYN10 GLP not published Syngenta File No CGA354743/0046 2771209	Y	SYN	2015	Supplementary dossier

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KCA 7.1.2.1.2 / 05	Hein W.	2005	Degradation of CGA 51202 in a Top Soil (Origin Lorsch, Germany) Syngenta Crop Protection AG, Basel, Switzerland Dienstleistungszentrum Ländlicher Raum DLR, Neustadt, Germany, SYN09 GLP not published Syngenta File No CGA51202/0067 2771210	Y	SYN	2015	Supplementary dossier
KCA 7.1.2.1.2 / 06	Nicollier G.	2003	Rate of Degradation of [Phenyl-U-14C]-labelled CGA 51202 in Various Soils under Aerobic Laboratory Conditions at 20°C Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 02TB05 GLP not published Syngenta File No CGA51202/0053 2771211	Y	SYN	2015	Supplementary dossier
KCA 7.1.2.1.2 / 07	Nicollier G., Glanzel A.	2003	Rate of Degradation of [Phenyl-U-14C] Labelled CGA 354743 in Various Soils under Aerobic Laboratory Conditions at 20°C Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 02GN08 GLP not published Syngenta File No CGA354743/0030 2771212	Y	SYN	2015	Supplementary dossier
KCA 7.1.2.1.2 / 08	Roohi A.	2014	CGA37735 - Aerobic Soil Metabolism of 14C-CGA37735 in Three Soils Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/13/005 GLP not published Syngenta File No CGA037735_10005 2771213	Y	SYN	2015	Supplementary dossier
KCA 7.1.2.1.2 / 09	Simmonds M.	2014	SYN542607- Aerobic Soil Metabolism of 14C-SYN542607 in Three Soils Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/12/068 GLP not published Syngenta File No SYN542607_10001 2771214	Y	SYN	2015	Supplementary dossier

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KCA 7.1.2.1.2 / 10	Simmonds M.	2014	SYN546829- Aerobic Soil Metabolism of 14C-SYN546829 in Three Soils Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/13/006 GLP not published Syngenta File No SYN546829_10006 2771215	Y	SYN	2015	Supplementary dossier
KCA 7.1.2.1.2 / 11	Hardy, IAJ	2014	Metolachlor/S-metolachlor – Laboratory Degradation Kinetics for Modelling Endpoints of soil metabolites CGA354743 (ESA) and CGA51202 (OXA) Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/13/056C Not GLP not published Syngenta File No CGA354743_10005 2771217	N	SYN	2015	Supplementary dossier
KCA 7.1.2.1.2 / 12	Hardy, IAJ	2014	Metolachlor/S-metolachlor – Laboratory Degradation Kinetics for Modelling Endpoints of Five Soil Metabolites (CGA368208, CGA37735, CGA40172, CGA50720 and NOA436611) Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029P Not GLP not published Syngenta File No CGA368208_10015 2771218	N	SYN	2015	Supplementary dossier
KCA 7.1.2.2.1 / 01	Mostert, I.	1997	Rate of decline of residues in surface soil horizons after application of CGA77102 as formulation 960 EC (A-9396 B) to bare ground Determination of CGA77102 and of metabolites CGA351916 and CGA380168 in soil Note: This report additionally contains "Field Report for Residue Studies 3049/95 (gb 13295) and 3050/95" (gb 23295) by K. Stolze (Study Report No. gb 2395, 08.07.1997) Novartis Crop Protection AG, Basel, Switzerland, Report N°. 3050/95, 30.07.1997 Syngenta File No. CGA77102/0354 2771221	Y	SYN	2015	Supplementary dossier

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KCA 7.1.2.2.1 / 02	Mostert, I.	1996	Rate of decline of residues in surface soil horizons after application of CGA 77102 as formulation 960 EC (A-9396 B) to bare ground, Novartis Crop Protection AG, Basel, Switzerland, Report N°. 3048/95, 22.11.96 Syngenta file N° CGA77102/0205 2662556	-	SYN	1998	Original EU dossier
KCA 7.1.2.2.1 / 02	Mostert, I.	1997	Rate of decline of residues in surface soil horizons after application of CGA 77102 as formulation 960 EC (A-9396 B) cultivated ground, Magnitude of residues in maize after application of CGA 77102 as formulation 960 EC (A-9396 B), Novartis Crop Protection AG, Basel, Switzerland, Report N°. 3046/95, 10.04.97 Syngenta file N° CGA77102/0200 2662560	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.1 / 02	Mostert, I.	1997	Rate of decline of residues in surface soil horizons after application of CGA 77102 as formulation 960 EC (A-9396 B) to bare ground, Novartis Crop Protection AG, Basel, Switzerland, Report N°. 3010/96, 20.05.97 Syngenta file N° CGA77102/0232 2662571	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.1 / 02	Mostert, I.	1997	1997o Rate of decline of residues in surface soil horizons after application of CGA 77102 as formulation 960 EC (A-9396 B) to bare ground, Novartis Crop Protection AG, Basel, Switzerland, Report N°. 3009/96, 20.05.97 Syngenta file N°CGA 77102/0230 2662572	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.1 / 03	Mostert, I.	1997	Determination of CGA 77102 in soil, and determination of metabolites CGA 351916 and CGA 380168, Analytical report Novartis Crop Protection, Basel, Switzerland - Magnitude of residues of CGA 77102 and metabolites CGA 351916 and CGA 380168 in soil, after application of formulation A9396B, Residue study, Novartis Agro S.A., Aigues-Vives, France, Report N°. 3071/95, 21.04.97 Syngenta file N° CGA77102/0330 2662565	N	SYN	1998	Original EU dossier

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KCA 7.1.2.2.1 / 04	Mostert, I.	1997	Determination of CGA 77102 in soil, and determination of metabolites CGA 351916 and CGA 380168, Analytical report, Novartis Crop Protection, Basel, Switzerland, Magnitude of residues of CGA 77102 and metabolites CGA 351916 and CGA 380168 in soil, after application of formulation A9396B, residue study, Novartis Agro S.A., Aigues-Vives, France. Report N°. 3072/95, 22.04.97 Syngenta file N° CGA77102/0331 2662566	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.1 / 04	Mostert, I.	1997	Rate of decline of residues in surface soil horizons after application of CGA 77102 as formulation 960 EC (A-9396 B) to bare ground, Novartis Crop Protection AG, Basel, Switzerland, Report N°. 3074/95, 20.05.1997 Syngenta File N° CGA77102/0355 2662575	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.1 / 05	Stolze, K.	1997	Residues of CGA 77102 in soil (test product: CGD 10380 H (A 9396 B)). Novartis Agro GmbH, Frankfurt/M., DE Report N°. gb 20196, 28.08.1997 Syngenta File N° CGA77102/0378 2662576	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.1 / 05	Stolze, K.	1997	Residues of CGA 77102 in soil (test product: CGD 10380 H (A 9396 B)). Novartis Agro GmbH, Frankfurt/M., DE Report N°. gb 20196 amendment, 17.12.1997 Syngenta File N° CGA77102/0375 2907325	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.1 / 06	Stolze, K.	1997	Residues of CGA 77102 in soil (test product: CGD 10380 H (A 9396 B)). Novartis Agro GmbH, Frankfurt/M., DE Report N°. gb 21396, 28.08.1997 Syngenta File N° CGA77102/0379 2662578	N	SYN	1998	Original EU dossier

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KCA 7.1.2.2.1 / 07	Evans P.	2004	Terbuthylazine (GS13529) and S-Metolachlor (CGA77102) : Dissipation Study with Terbuthylazine and S-Metolachlor (CGA77102) in or on Cultivated Soil in Italy Syngenta Crop Protection AG, Basel, Switzerland Syngenta - Jealott's Hill, Bracknell, United Kingdom, RJ3522B, 02-S301 GLP not published Syngenta File No CGA77102/0807 2771219	Y	SYN	2015	Supplementary dossier
KCA 7.1.2.2.1 / 08	Evans P.	2004	Terbuthylazine (GS13529) and S-Metolachlor (CGA77102): Dissipation Study with Terbuthylazine (GS13529) and S-Metolachlor (CGA77102) in or on Cultivated Soil in France (South) Syngenta Crop Protection AG, Basel, Switzerland Syngenta - Jealott's Hill, Bracknell, United Kingdom, RJ3521B, 02-3012 GLP not published Syngenta File No CGA77102/0806 2771220	Y	SYN	2015	Supplementary dossier
KCA 7.1.2.2.1 / 09	Ford, S.	2014	S-Metolachlor- Field Degradation Kinetics for Persistence Endpoints Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/18/04-01 Not GLP not published Syngenta File No CGA077102_11219 2771222	N	SYN		
KCA 7.1.2.2.1 / 10	Federal Environment Agency, Germany	2016	Re-evaluation of degradation of S-metolachlor in soil based on the studies by Mostert (1996a, 1997, 1997c, h, i, n, o, r), Stolze (1997 a, b), and Evans (2004, 2004a) according to FOCUS Degradation Kinetics (2014)	-	-	-	Supplementary dossier
KCA 7.1.2.2.1 / 11	Ressler, H.	1991	Field dissipation of metolachlor. Report Number 09-89 B, CIBA-GEIGY, Frankfurt, Germany. Syngenta File No. CGA24705/2250	Y	SYN	2017	Supplementary dossier
KCA 7.1.2.2.1 / 12	Ressler, H.	1991	Ressler H 1991 Field dissipation of metolachlor. Report Number 10-89 B, CIBA-GEIGY, Frankfurt, Syngenta File No. CGA24705/2251	Y	SYN	2017	Supplementary dossier

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KCA 7.1.2.2.1 / 13	Ressler, H.	1991	Ressler H 1991 Field dissipation of metolachlor. Report Number 21-89 B, CIBA-GEIGY, Frankfurt, Germany. Syngenta File No. CGA24705/2252	Y	SYN	2017	Supplementary dossier
KCA 7.1.2.2.1 / 14	Ressler, H.	1991	Ressler H 1991c. Field dissipation of metolachlor. Report Number 36-90 B, CIBA-GEIGY, Frankfurt, Germany. Syngenta File No. CGA24705/2253	Y	SYN	2017	Supplementary dossier
KCA 7.1.2.2.1 / 15	Ressler, H.	1991	Ressler H 1991d. Field dissipation of metolachlor. Report Number 37-90 B, CIBA-GEIGY, Frankfurt, Germany. Syngenta File No. CGA24705/2254	Y	SYN	2017	Supplementary dossier
KCA 7.1.2.2.1 / 16	Ressler, H.	1991	Ressler H 1991e. Field dissipation of metolachlor. Report Number 39-90 B, CIBA-GEIGY, Frankfurt, Germany. Syngenta File No. CGA24705/2255	Y	SYN	2017	Supplementary dossier
KCA 7.1.2.2.1 / 17	Ford	2016	Ford, S. 2016. Metolachlor – Field Degradation Kinetics for Trigger Endpoints. Report Number SYN/18/05-Kin01, JSC International Ltd, Harrogate, Yorkshire, UK. Syngenta File No. CGA024705_10075	-	SYN	-	Supplementary dossier
KCA 7.1.2.2.2 / 01	Mostert, I.	1996	Magnitude of residues in sunflower and soil after application of CGA 77102 as formulation 960 EC (A-9396 B). Ciba-Geigy Ltd., Basel, Switzerland, Report N° 3052/95, 19.12.96 Novartis file N° 77102/0223 2662557	-	SYN		Original EU dossier
KCA 7.1.2.2.2 / 01	Mostert, I.	1997	Magnitude of residues in sunflower and soil after application of CGA 77102 as formulation 960 EC (A-9396 B). Novartis Crop Protection AG, Basel, Switzerland, Report N° 3030/95, 09.04.97 Novartis file N° 77102/0287 2662558	-	SYN		Original EU dossier
KCA 7.1.2.2.2 / 01	Mostert, I.	1997	Magnitude of residues in sunflower and soil after application of CGA 77102 as formulation 960 EC (A-9396 B). Novartis Crop Protection AG, Basel, Switzerland, Report N° 3031/95, 09.04.97 Novartis file N° 77102/0288 2662559		SYN		Original EU dossier

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KCA 7.1.2.2.2 / 01	Mostert, I.	1997	Magnitude of residues in sugar beet and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Novartis Crop Protection AG, Basel, Switzerland, Report N°. 3044/95, 14.04.97 Syngenta file N°CGA 77102/0198 2662561	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.2 / 01	Mostert, I.	1997	Magnitude of residues in sugar beet and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Novartis Crop Protection AG, Basel, Switzerland, Report N°. 3045/95, 14.04.97 Syngenta file N° CGA77102/0199 2662562	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.2 / 01	Mostert, I.	1997	Magnitude of residues in sugar beet and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Novartis Crop Protection AG, Basel, Switzerland, Report N°. 3032/95, 14.04.97 Syngenta file N° CGA77102/0201 2662563	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.2 / 01	Mostert, I.	1997	Magnitude of residues in sugar beet and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Novartis Crop Protection AG, Basel, Switzerland, Report N°. 3033/95, 14.04.97 Syngenta file N° CGA77102/0202 2662564	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.2 / 01	Mostert, I.	1997	Magnitude of residues in soybeans and soil after application of CGA 77102 as formulation 960EC(A-9396B), Novartis Crop Protection, Basel, Switzerland, Report N°. 3049/96, 15.05.97 Syngenta file N° CGA77102/0308 2662567	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.2 / 01	Mostert, I.	1997	Magnitude of residues in soybeans and soil after application of CGA 77102 as formulation 960EC(A-9396B), Novartis Crop Protection, Basel, Switzerland, Report N°. 3050/96, 15.05.97 Syngenta file N°CGA77102/0309 2662568	N	SYN	1998	Original EU dossier

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KCA 7.1.2.2.2 / 01	Mostert, I.	1997	Magnitude of residues in soybeans and soil after application of CGA 77102 as formulation 960EC(A-9396B), Novartis Crop Protection, Basel, Switzerland, Report N°. 3081/95, 15.05.97 Syngenta file N° CGA77102/0310 2662569	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.2 / 01	Mostert, I.	1997	Magnitude of residues in soybeans and soil after application of CGA 77102 as formulation 960EC(A-9396B), Novartis Crop Protection, Basel, Switzerland, Report N°. 3082/95, 15.05.97 Syngenta file N° CGA77102/0311 2662570	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.2 / 01	Mostert, I.	1997	Magnitude of residues in Maize and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Novartis Crop Protection AG, Basel, Switzerland, Report N°. 3051/95, 20.05.97 Syngenta file N° CGA77102/0312 2662573	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.2 / 01	Mostert, I.	1997	Magnitude of residues in sunflower and soil after application of CGA 77102 as formulation 960 EC (A-9396 B), Novartis Crop Protection AG, Basel, Switzerland, Report N°. 3053/95, 20.05.97 Syngenta File N° CGA77102/0313 2662574	N	SYN	1998	Original EU dossier
KCA 7.1.2.2.2 / 02	Egli, H.	1982	Bioassay Primagram FW 1976-1980, Results of chemical analysis. Ciba-Geigy Ltd., Basel, Switzerland, Project Report SPR 27/82, 13.09.1982 includes Report N° 387/78, 388/78, 301/82, 302/82, 306/82, 389/78, 390/78, 303/82, 309/82, 307/82, 308/82, 391/78, 304/82, 305/82, 310/82, 392/78, 311/82, Novartis file N° 30027/171 2662553	N	SYN	-	Original EU dossier
KCA 7.1.2.2.2 / 03	Egli, H.	1985	Residues of metolachlor and atrazine in soil after long term application of PRIMEXTRA 500FW, Ciba-Geigy Ltd, Basel, Switzerland, Proj.Rep. 211/85, 10.10.85 Syngenta file N° CGA24705/0413 2662554	N	SYN	1998	Original EU dossier

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KCA 7.1.2.2.2 / 03	Egli, H.	1985	Residues of metolachlor and atrazine in soil after long term application of PRIMEXTRA 500FW, Ciba-Geigy Ltd, Basel, Switzerland, Proj.Rep. 212/85, 10.10.85 Syngenta file N° CGA24705/0412 2662555	N	SYN	1998	Original EU dossier
KCA 7.1.3.1.1 / 01	Spare, W.C.	1995	Adsorption/Desorption of 14C-CGA-77102 by the Batch Equilibrium Method on Representative Agricultural Soils, Agriseach Incorporated, 5734 Industry Lane, Frederick, MD 21701, Report N°. 12218, 11.07.95 Syngenta file N° CGA77102/0039 2662585	N	SYN	1998	Original EU dossier
KCA 7.1.3.1.1 / 02	Ellgehausen, H.	1997	Adsorption / desorption of CGA 77102 in various soils. Novartis Crop Protection AG, Study N°. 97EH01, 23.05.97 Syngenta file N°CGA 77102/0302 2662586	N	SYN	1998	Original EU dossier
KCA 7.1.3.1.1 / 03	Glanzel A.	1999	Adsorption / desorption of CGA 77102 in two different layers of one soil Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Basel, Switzerland, 99AG03 GLP not published Syngenta File No CGA77102/0509 2771223	Y	SYN	2015	Supplementary dossier
KCA 7.1.3.1.1 / 04	Nicollier G.	2000	Adsorption Desorption of CGA 77102 in Birkenheide Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Basel, Switzerland, 00GN04 GLP not published Syngenta File No CGA77102/0571 2771224	Y	SYN	2015	Supplementary dossier
KCA 7.1.3.1.1 / 05	Hein W.	2004	Adsorption/Desorption of S-Metolachlor in three horizons of Soil "Lorsch" Syngenta Crop Protection AG, Basel, Switzerland Dienstleistungszentrum Ländlicher Raum DLR, Neustadt, Germany, SYN11 GLP not published Syngenta File No CGA77102/1107 2771225	Y	SYN	2015	Supplementary dossier

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KCA 7.1.3.1.1 / 06	Nichollier G, Berdat T.	2005	14C-CGA 77102: Time Dependent Sorption in Three Soils Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, T003352-04 GLP not published Syngenta File No CGA77102/0943 2771233	Y	SYN	2015	Supplementary dossier
KCA 7.1.3.1.2 / 01	Spare, W.C.	1988	Determination of adsorption/desorption constants of ¹⁴ C-phenyl-labelled CGA 51202, Agriseach Inc. 26 Water Street, Frederick, MD 21701, USA; Proj.N° 1266, 27.01.88 Syngenta file N° CGA51202/0030 2662587	N	SYN	1998	Original EU dossier
KCA 7.1.3.1.2 / 02	Mamouni, A.	1995	Adsorption/desorption of CGA 51202 on three soils, RCC Umweltchemie AG, P.O.Box CH-4452 Itingen Switzerland ; Proj.N° 366107, 11.05.95 Syngenta file N° CGA51202/0028 2662588	N	SYN	1998	Original EU dossier
KCA 7.1.3.1.2 / 03	Mamouni, A.	1995	Adsorption/desorption of CGA 40172 on three soils, RCC Umweltchemie AG, P.O.Box CH-4452 Itingen Switzerland ; Proj.N° 366085, 19.06.95 Syngenta file N° CGA40172/0006 2662589	N	SYN	1998	Original EU dossier
KCA 7.1.3.1.2 / 04	Ulbrich, R.	1997	Adsorption/desorption of ¹⁴ C-labelled CGA 376944 in various soil types Novartis Crop Protection AG, 4002 Basel, Switzerland ; Proj.N° 96UL05, 25.06.97 Syngenta file N° CGA376944/0001 2662590	N	SYN	1998	Original EU dossier
KCA 7.1.3.1.2 / 05	Mamouni, A. and Völkel, W.	1997	Adsorption / desorption of ¹⁴ C-CGA 41507 on three soils. RCC Umweltchemie AG, Itingen, Switzerland Study N°. 650812, 08.07.1997 GLP, unpublished Syngenta file N° CGA41507/0001 2662591	N	SYN	1998	Original EU dossier

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KCA 7.1.3.1.2 / 06	Völkel, W.	1997	Adsorption / desorption of CGA 357704 on three soils. RCC Umweltchemie AG, Itingen, Switzerland Study N°: 660003, 04.09.1997 GLP, unpublished Syngenta file N° CGA357704/0001 2662592	N	SYN	1998	Original EU dossier
KCA 7.1.3.1.2 / 07	Spare W.	1997	Adsorption/Desorption of 14C-CGA354743 By The Batch Equilibrium Method On Representative Agricultural Soils Syngenta Crop Protection AG, Basel, Switzerland Agriseach Inc., Frederick, USA, 12240 GLP not published Syngenta File No CGA354743/0027 2771226	Y	SYN	2015	Supplementary dossier
KCA 7.1.3.1.2 / 09	Simmonds M.	2013	SYN546829 - Adsorption and Desorption of 14C-SYN546829 Syngenta Battelle UK Ltd., Ongar, United Kingdom, NC/12/044 GLP not published Syngenta File No SYN546829_10000 2771228	Y	SYN	2015	Supplementary dossier
KCA 7.1.3.1.2 / 10	Burgess M., Simmonds M.	2013	CGA37735 - Adsorption and Desorption Properties of 14C-CGA37735 in Five Soils Syngenta Battelle UK Ltd., Ongar, United Kingdom, NC/12/045 GLP not published Syngenta File No CGA037735_10003 2771229	Y	SYN	2015	Supplementary dossier
KCA 7.1.3.1.2 / 11	Simmonds M.	2014	SYN542607- Adsorption and Desorption Properties of 14C-SYN542607 in Five Soils Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/12/067 GLP not published Syngenta File No SYN542607_10003 2771230	Y	SYN	2015	Supplementary dossier

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KCA 7.1.3.1.2 / 12	Nicollier, G and Glanzel, A.	2003	Time Dependent Sorption of [phenyl-U- 14C]-Labelled CGA354743 in Various Soils Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 02GN09 GLP not published Syngenta File No CGA354743/0029 2771232	Y	SYN	2015	Supplementary dossier
KCA 7.1.3.1.2 / 13	Nicollier, G.	2003	Time dependent Sorption of [Phenyl-U- 14C]-labelled CGA51202 in Various Soils Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 02TB06 GLP not published Syngenta File No CGA51202/0052 2771231	Y	SYN	2015	Supplementary dossier
KCA 7.1.4.1.1 / 01	Spare, W.C.	1995	Leaching Characteristics of Aged ¹⁴ C-CGA-77102 in Four Soil Types. Agriseach Incorporated, 5734 Industry Lane, Frederick, MD 21701, Report N°. 12216, 22.12.95 Syngenta file N° CGA77102/0082 2662594	N	SYN	1998	Original EU dossier
KCA 7.1.4.1.1 / 02	Müller-Kallert, H.-M.	1993	Leaching characteristics of aged residues of ¹⁴ C-metolachlor, RCC AG Itingen Switzerland, Report N°. 300846, 23.02.93 Syngenta file N° CGA24705/2221 2662593	N	SYN	1998	Original EU dossier
KCA 7.1.4.1.1 / 03	Plücken, U.	1998	Leaching of aged residues of (U)-Phenyl labelled CGA 77102 in a sandy loam upon 200mm artificial rainfall. Novartis Crop Protection AG, Study N°. 96UP02, 28.01.98 Syngenta file N° CGA77102/0393 2662595	N	SYN	1998	Original EU dossier
KCA 7.1.4.2 / 01	Fent, G.	1999	Degradation and leaching of 14C-CGA-77102 in two sand lysimeters under outdoor conditions. Staatliche Lehr- und Forschungsanstalt für Landwirtschaft, Weinbau und Gartenbau, Neustadt, Report N°. CIB05 (Final Report) 23.02.1999 Syngenta file N° CGA77102/0453 2662597	N	SYN	1999	Original EU dossier

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KCA 7.1.4.2 / 02	Kubiak, R.	1997	Daphnia test for investigation of the ecotoxicological effects of percolates originating from lysimeter experiment with ¹⁴ C-CGA-77102, Staatliche Lehr- und Forschungsanstalt für Landwirtschaft, Weinbau und Gartenbau, D-67435 Neustadt, Report N°. CIB08, 02.06.97 Syngenta file N° CGA77102/0301 2712918	N	SYN	1998	Original EU dossier
KCA 7.1.4.2 / 03	Zbaeren A, Nicollier G.	2012	Amended - Production and analysis of leachates in outdoor lysimeters treated with [phenyl-U-14C]-CGA 77102 Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 02GN05 GLP not published Syngenta File No CGA77102/1000 2771234	Y	SYN	2015	Supplementary dossier
KCA 7.1.4.2 / 04	Zbaeren A, Nicollier G.	2012	Characterization of Non-Identified Radioactivity in Leachates from Outdoor Lysimeters Treated with [Phenyl-U-14C]-CGA77102 Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 03GN05 GLP not published Syngenta File No CGA77102/0773 2771235	Y	SYN	2015	Supplementary dossier
KCA 7.1.4.2 / 05	Bond P.	2014	[14C]-S-Metolachlor - Characterisation and Classification of Metabolites Present in Lysimeter Leachate Samples Syngenta Quotient Bioresearch Limited, Northamptonshire, UK, SGA/62 GLP not published Syngenta File No CGA077102_11243 2771236	Y	SYN	2015	Supplementary dossier
KCA 7.1.4.2 / 06	Hand, L., Wallace, D., Earll, M., Rawlinson, P.	2014	S-metolachlor - Selection of Metabolite Exemplars to Assess the Relevance of the Lysimeter Leachate Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, PM-10-232 Not GLP not published Syngenta File No CGA077102_11289 2771237	N	SYN	2015	Supplementary dossier

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KCA 7.1.4.3	Purdy, J.	1985	Survey of Herbicide Residues in Southwestern Ontario Water Supplies; Ciba-Geigy Canada, Agriculture Division; Report N° 371, 18.10.85 Syngenta file N° CGA24705/0361 2662599	N	SYN	1998	Original EU dossier
KCA 7.1.4.3	Formica, G.	1987	Determination of atrazine, simazine, terbutylazin and metolachlor in water, Ciba-Geigy Ltd, Basel, Switzerland, Proj.Rep. 862/87, 12.02.87 Syngenta file N° G30027/1381 2662600	N	SYN	1998	Original EU dossier
KCA 7.1.4.3	Formica, G.	1987	Determination of atrazine, terbutylazin and metolachlor in water, Ciba-Geigy Ltd, Basel, Switzerland, Proj.Rep. 877/87, 29.04.87 Syngenta file N° G30027/1382 2662601	N	SYN	1998	Original EU dossier
KCA 7.1.4.3	Roux, P.H.	1989	A large scale retrospective ground-water study for metolachlor in four states (Georgia, Illinois, Iowa, and Wisconsin), Roux Associates, The Huntington Atrium, 775 Park Avenue, Huntington, New York, USA; Report N°. Roux #02829, 23.10.89 Syngenta file N° CGA24705/2615 2662602	N	SYN	1998	Original EU dossier
KCA 7.1.4.3	Formica, G.	1989	Atrazine, chlortoluron, metolachlor, simazine, terbutryn and terbutylazin in raw water, Ciba-Geigy Ltd, Basel, Switzerland, Proj.Rep. 902/89, 10.05.89 Syngenta file N° C2242/0371 2662603	N	SYN	1998	Original EU dossier
KCA 7.1.4.3	Ourisson, Ph.	1993	Statistical summary of metolachlor detections in ground water, Quality Associates Inc. 13010 Baltimore Pike Ellicott City MD, USA, Report N°. 150-504, 12.01.93 Syngenta file N° CGA24705/2378 2662604	N	SYN	1998	Original EU dossier

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KCA 7.1.4.3	Wolter, R.	1993	Pflanzenschutzmittelfunde im Wasser, Umweltbundesamt, Berlin, Deutschland, October 12, 1993 Syngenta file N° CGA24705/2579 2662605	N	SYN	1998	Original EU dossier
KCA 7.1.4.3	Balu, K.	1994	Summary of groundwater monitoring data for metolachlor in New York State, Ciba-Geigy Corp. Greensboro, N.Carolina, USA, 26.10.94 Syngenta file N° CGA24705/2581 2662606	N	SYN	1998	Original EU dossier
KCA 7.1.4.3	Schwaiger, K. et al	1994	Wassergüte in Österreich, Jahresbericht 1994, Bundesministerium für Land- und Fortswirtschaft, Wasserwirtschaftskataster, Wien 1995 Syngenta file N° CGA24705/2617 2662607	N	SYN	1998	Original EU dossier
KCA 7.1.4.3	Traub-Eberhard,U.; Henschel,K.-P.; Kördel,W. and Klein,W.	1995	Influence of different field sites on pesticide movement into subsurface drains, Report, Pestic.Sci.1995,43,121-129 Syngenta file N° CGA24705/2576 2662608	N	SYN	1998	Original EU dossier
KCA 7.1.4.3	Smith, J.W.	1996	Small scale prospective groundwater monitoring study for CGA 77102 at a worst case vulnerable site in the Midwestern Unites States, Ciba-Geigy Corp. Greensboro, N.Carolina, USA, Report N° Ciba 656-95 Progress Report 1and 2., 26.09.96 Syngenta file N° CGA77102/0167 1110633	N	SYN	1998	Original EU dossier
KCA 7.1.4.3	Hosang, J.	1997	Leaching and accumulation potential of CGA 77102 and its major metabolites in soil, Computer simulations in compliance with the Dutch registration guidelines, Novartis Crop Protection AG, Basel, Switzerland, 30.05.1997 Report N° 97HJ07 Syngenta file N° CGA77102/0332 2662610	N	SYN	1998	Original EU dossier
KCA 7.1.4.3	Hosang, J.	1998	Leaching of CGA 77102 under German worst-case conditions. Assessment based on simulations with the PELMO model. Novartis Crop Protection AG, Basel, Switzerland Report N° 97HJ07 (95A98049HJ), 25.06.1998 Syngenta file N° CGA77102/0432 2662611	N	SYN	1998	Original EU dossier

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KCA 7.1.4.3	Hosang, J.	1998	Leaching of CGA 77102 under North Italian conditions. Assessment based on simulations with the PELMO model. Novartis Crop Protection AG, Basel, Switzerland Report N° 97HJ07 (95A98050HJ), 25.06.1998 Syngenta file N° CGA77102/0431 2662612	N	SYN	1998	Original EU dossier
KCA 7.1.4.3 / 01	Finger, N.	2014	Metolachlor - Study on the leaching of metolachlor in a long term field experiment in Germany Syngenta Eurofins Agroscience Services Chem GmbH, Hamburg, Germany, S13-04841 Not GLP not published Syngenta File No CGA024705_10041 2771238	N	SYN	2015	Supplementary dossier
KCA 7.1.4.3 / 02	Francis P., Johnson, B.D.	2001	A small-scale prospective ground water monitoring study for herbicide S-Metolachlor (CGA 77102) at a worst-case vulnerable site in the midwestern united states Novartis Crop Protection AG, Basel, Switzerland Ciba-Geigy Corp., Greensboro, USA, 656-95 GLP not published Syngenta File No CGA77102/0167 2771239	Y	SYN	2015	Supplementary dossier
KCA 7.1.5/01	Weinfurter, K.	2013	[14C]-S-Metolachlor, [14C]-CGA354743 and [14C]-CGA051202 - Uptake and Translocation in Wheat and Tomato Plants from a Hydroponic System Syngenta Fraunhofer Institute, Schmallenberg, Germany, SYN-020/5-52 GLP not published Syngenta File No CGA077102_11144 2771515	Y	SYN	2015	Supplementary dossier
KCA 7.2.1 / 01	Keller, A.	1996	Hydrolysis of 14C-labelled CGA 24705 under laboratory conditions, Novartis Crop Protection AG, CH 4002 Basle/Switzerland, Report N°. 96AK02, 14.10.96 Syngenta file N° CGA24705/2635 2662613	N	SYN	1998	Original EU dossier

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KCA 7.2.1 / 02	Palm, W., Zetsch C.	1993	UV-absorption spectra of metolachlor- estimation of aqueous photolysis maximum rate constant and minimum half-life in sunlight, Fraunhofer Institut für Toxikologie und Aerosolforschung, Hannover, Deutschland, Report N°. PC91.5, 06.05.93 Syngenta file N° CGA24705/2116 2662614	N	SYN	1998	Original EU dossier
KCA 7.2.1 / 03	Phaff, R.	1997	Aqueous Photolysis of ¹⁴ C-Labeled CGA 24705 under Artificial Sunlight, Novartis Crop Protection AG, CH 4002 Basle/Switzerland, Report N°. 96RP02, 23.05.97 Syngenta file N° CGA24705/2669 2662615	N	SYN	1998	Original EU dossier
KCA 7.2.1 / 04	Roth, M.	1997	CGA 51202: Investigation of the molar extinction coefficient above 290 nm: Report on spectra. Novartis Crop Protection AG, Münchwilen, CH Report N°. 57710, 16.12.1997 Syngenta file N° CGA51202/0031 2662616	N	SYN	1998	Original EU dossier
KCA 7.2.1 / 05	Roth, M.	1997	CGA 354743: Investigation of the molar extinction coefficient above 290 nm: Report on spectra. Novartis Crop Protection AG, Münchwilen, CH Report N°. 57711, 16.12.1997 Syngenta file N° CGA354743/0009 2662617	N	SYN	1998	Original EU dossier
KCA 7.2.1.2 / 01	Oddy A.	2013	¹⁴ C-S-Metolachlor - Aqueous Photolysis of ¹⁴ C-S-Metolachlor Syngenta Battelle UK Ltd., Ongar, United Kingdom, NC/11/006 GLP not published Syngenta File No CGA077102_11128 2771240	Y	SYN	2015	Supplementary dossier
KCA 7.2.2.1 / 01	Grade, R.	1996	Report on the Test for ready biodegradability of CGA 77102 tech. in the carbondioxide evolution test CIBA-GEIGY Limited, Plant Protection Division, Ecotoxicology, CH-4002 Basle, Switzerland, Report N°. 961567, 19.12.96 Syngenta file N° CGA77102/0219 2662618	N	SYN	1998	Original EU dossier

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KCA 7.2.2.2 / 01	Crabtree G.	2014	14C-S-Metolachlor - Aerobic Mineralisation Surface Water Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, 3200234 GLP not published Syngenta File No CGA077102_11208 2771241	Y	SYN	2015	Supplementary dossier
KCA 7.2.2 / 01	Purdy, J.	1994	Aquatic dissipation study with metolachlor and benoxacor in a 935 EC formulation, CIBA-Geigy Canada LTD, Report N°. 01132/92, 06.08.94 Syngenta file N° CGA24705/2636 2662619	N	SYN	1998	Original EU dossier
KCA 7.2.2 / 02	Mamouni, A.	1997	14C-CGA 77102: Degradation and Metabolism in Aquatic Systems under various Experimental Conditions, RCC Umweltchemie AG, Zelgliweg 1, CH - 4452 Ittingen/BL, Report N°. RCC 603551, 08.04.97 Syngenta file N° CGA77102/0279 2662620	N	SYN	1998	Original EU dossier
KCA 7.2.2 / 03	Seyfried, B.	1997	CGA 24705 (Phenyl-U- ¹⁴ C): Degradation and Metabolism in Aquatic Systems, RCC Umweltchemie AG, Zelgliweg 1, CH-4452 Ittingen/BL, Report N°. RCC 603562, 14.04.97 Syngenta file N° CGA24705/2661 2662621	N	SYN	1998	Original EU dossier
KCA 7.2.2 / 04	Hardy, I.	2014	Metolachlor/S-metolachlor - Kinetic Modelling Analysis of Data from Water Sediment Studies to Derive Modelling and Persistence Endpoint DT50 Values Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/13/056B Not GLP not published Syngenta File No CGA024705_10025 2771242	N	SYN	2015	Supplementary dossier
KCA 7.3 / 01	Reischmann, F.J.	1992	Volatilization of CGA 24705 (Metolachlor) from soil surface under controlled laboratory conditions, Ciba-Geigy Ltd, Basel, Switzerland, Report N°. 92RF01, 20.05.92 Syngenta file N° CGA24705/2113 2662622	N	SYN	1998	Original EU dossier

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KCA 7.3 / 02	Sandmeier, P.	1992	Volatility of CGA 24705 from plant and soil after postemergent spray application of labelled material on maize under indoor conditions, Ciba-Geigy Ltd, Basel, Switzerland, Report N°. 92PSA08, 08.05.92 Syngenta file N° CGA24705/2114 2662623	N	SYN	1998	Original EU dossier
KCA 7.3 / 03	Reischmann, F.J.	1995	Volatilization of CGA 24705 (Metolachlor) from water (Calculation), Ciba-Geigy Ltd, Basel, Switzerland, Report N°. 95RF05, 20.03.95 Syngenta file N° CGA24705/2461 2662624	N	SYN	1998	Original EU dossier
KCA 7.3 / 04	Lau, Y.L., Liu, D.L.S., Pacepavicius, G.J., Maguire, R.J.	1995	Volatilization of Metolachlor from water, National Water Research Center, Burlington, Ontario, Report: J.Environ.Sci.Health, Report N° B30(5), 605-620, 02.05.95 Syngenta file N° CGA24705/2577 2662625	N	SYN	1998	Original EU dossier
KCA 7.3 / 05	Stamm, E.	1996	Atmospheric oxidation of metolachlor by hydroxyl radicals, Ciba-Geigy Ltd, Basel, Switzerland, Proj.Rep.96SM03, Report N°. 95A96010SM, 20.02.96 Syngenta file N° CGA24705/2556 2662626	N	SYN	1998	Original EU dossier
KCA 7.3 / 06	Stamm, E.	1997	Atmospheric oxidation of CGA 77102 by hydroxyl radicals, Novartis Crop Protection AG, Basel, Switzerland, Proj.Rep.96SM03, Report N°. 95A97002SM, 06.01.97 Syngenta file N° CGA77102/0220 2662627	N	SYN	1998	Original EU dossier
KCA 7.3.2 / 01	Bourry R., Nicollier G.	2005	S-metolachlor (CGA77102) and Terbutylazine (GS13529) : Investigation of Deposition after Volatilisation in Non-Target Areas under Realistic Conditions in a Wind Tunnel - Analytical Phase. Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, T003399-04 GLP not published Syngenta File No CGA77102/0944 2771243	Y	SYN	2015	Supplementary dossier

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KCA 7.3.2 / 02	Gish, TJ; Prueger, JH; Daughtry, CST; Kustas, WP; McKee, LG; Russ, AL; Hatfield, JL.	2011	Comparison of Field-scale Herbicide Runoff and Volatilization Losses: An Eight-Year Field Investigation, Published, Journal of Environmental Quality, (2011) 40, pp.1432-42 2816310	N	-	2015	Supplementary dossier

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KCP 9.2.4.1/02	Hardy, I.	2014	S-metolachlor - A Leaching Assessment for Parent and Two Metabolites (CGA354743 and CGA51202) using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Scenarios, Following Use on Maize Crops at 1440 g/ha Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/0291 Not GLP not published Syngenta File No CGA077102_11218 2771503	N	N	-	SYN	Supplementary dossier
KCP 9.2.4.1/03	Hardy, I.	2014	S-metolachlor - A Leaching Assessment for Parent and Two Metabolites (CGA354743 and CGA51202) using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Scenarios, Following Use on Maize Crops at 1250 g/ha Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029H Not GLP not published Syngenta File No CGA077102_11217 2771504	N	N	-	SYN	Supplementary dossier

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KCP 9.2.4.1/04	Hardy, I.	2014	S-metolachlor - A Leaching Assessment for Parent and Two Metabolites (CGA354743 and CGA51202) using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Scenarios, Following Use on Maize Crops at 1440 g/ha (1 in 2 years) Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029L Not GLP not published Syngenta File No CGA077102_11236 2771505	N	N	-	SYN	Supplementary dossier
KCP 9.2.4.1/05	Hardy, I.	2014	S-metolachlor - A Leaching Assessment for Parent and Two Metabolites (CGA354743 and CGA51202) using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Scenarios, Following Use on Maize Crops at 1250 g/ha (1 in 2 years) Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029K Not GLP not published Syngenta File No CGA077102_11237 2771506	N	N	-	SYN	Supplementary dossier
KCP 9.2.4.1/06	Hardy, I.	2014	S-metolachlor - A Leaching Assessment for Parent and Two Metabolites (CGA354743 and CGA51202) using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Scenarios, Following Use on Maize Crops at 1440 g/ha (1 in 3 years) Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029O Not GLP not published Syngenta File No CGA077102_11239 2771507	N	N	-	SYN	Supplementary dossier

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KCP 9.2.4.1/07	Hardy, I.	2014	S-metolachlor - A Leaching Assessment for Parent and Two Metabolites (CGA354743 and CGA51202) using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Scenarios, Following Use on Maize Crops at 1250 g/ha (1 in 3 years) Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029N Not GLP not published Syngenta File No CGA077102_11241 2771508	N	N	-	SYN	Supplementary dossier
KCP 9.2.4.1/08	Hardy, I.	2014	S-metolachlor - A Leaching Assessment for Five Soil Metabolites (CGA368208, CGA37735, CGA40172, CGA50720 and NOA436611) Using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Scenarios, Following Use on Maize Crops at 1440 g/ha Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029S Not GLP not published Syngenta File No CGA368208_10006 2771509	N	N	-	SYN	Supplementary dossier
KCP 9.2.4.1/09	Hardy, I.	2014	S-metolachlor - A Leaching Assessment for Five Soil Metabolites (CGA368208, CGA37735, CGA40172, CGA50720 and NOA436611) Using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Scenarios, Following Use on Maize Crops at 1250 g/ha Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029R Not GLP not published Syngenta File No CGA368208_10007 2771510	N	N	-	SYN	Supplementary dossier

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KCP 9.2.4.1/10	Hardy, I.	2014	S-metolachlor - A Leaching Assessment for Five Soil Metabolites (CGA368208, CGA37735, CGA40172, CGA50720 and NOA436611) Using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Scenarios, Following Use on Maize Crops at 1440 g/ha (1 in 2 years) Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029Y Not GLP not published Syngenta File No CGA368208_10009 2771511	N	N	-	SYN	Supplementary dossier
KCP 9.2.4.1/11	Hardy, I.	2014	S-metolachlor - A Leaching Assessment for Five Soil Metabolites (CGA368208, CGA37735, CGA40172, CGA50720 and NOA436611) Using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Scenarios, Following Use on Maize Crops at 1250 g/ha (1 in 2 years) Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029X Not GLP not published Syngenta File No CGA368208_10010 2771512	N	N	-	SYN	Supplementary dossier
KCP 9.2.4.1/12	Hardy, I.	2014	S-metolachlor - A Leaching Assessment for Five Soil Metabolites (CGA368208, CGA37735, CGA40172, CGA50720 and NOA436611) Using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Scenarios, Following Use on Maize Crops at 1440 g/ha (1 in 3 years) Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029AB Not GLP not published Syngenta File No CGA368208_10014 2771513	N	N	-	SYN	Supplementary dossier

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KCP 9.2.4.1/13	Hardy, I.	2014	S-metolachlor - A Leaching Assessment for Five Soil Metabolites (CGA368208, CGA37735, CGA40172, CGA50720 and NOA436611) Using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Scenarios, Following Use on Maize Crops at 1250 g/ha (1 in 3 years) Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029AA Not GLP not published Syngenta File No CGA368208_10013 2771514	N	N	-	SYN	Supplementary dossier
CP 9.2.4.1 / 14	Weinfurtner, K.	2013	[14C]-S-Metolachlor, [14C]-CGA354743 and [14C]-CGA051202 - Uptake and Translocation in Wheat and Tomato Plants from a Hydroponic System Syngenta Fraunhofer Institute, Schmallenberg, Germany, SYN-020/5-52 GLP not published Syngenta File No CGA077102_11144 2771515	N	N	-	SYN	Supplementary dossier
KCA 7.5	Harms, C.T.	1994	Residue Situation of Metolachlor in Groundwater - Austria. Monitoring Results 1992 - 1993 from the Federal States Steiermark and Burgenland. Ciba-Geigy AG, Basel, Switzerland Report Nr. 940001, 18.4.1994 Syngenta file N° MOC-4472 (CGA24705 / 2715) (unpublished report) 2662628	N	N	-	SYN	Original EU dossier
KCA 7.5	Harms, C.T.	1998	Metolachlor Residues in Austrian Groundwater - Evaluation of Monitoring Data 1991 - 1997 Novartis Crop Protection AG, Basel, Switzerland 29.04.1998 Syngenta File N° MOC-4477 (CGA24705 / 2714) (unpublished report) 2662629	N	N	-	SYN	Original EU dossier
KCA 7.5	Harms, C.T.	1998	Metolachlor Residues in Groundwater - European Monitoring Reports. Overview and Evaluation 31.05.1998 Novartis Crop Protection AG, Basel, Switzerland Syngenta file N° CGA24705/2713 2662630	N	N	-	SYN	Original EU dossier

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CP 9.2.4.1 / 15	Sapiets A.	2014	S-metolachlor - Overview of the Pan-European groundwater monitoring study and its relationship to the modelling, leaching and historic monitoring studies Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, RAJ1078B Not GLP not published Syngenta File No CGA077102_11341 2771244	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 02	Knott P. Hendley P. Hayes S. Mosquin P. Munoz B.	2014	S-metolachlor - Survey sampling aspects of an EU-wide programme for monitoring the occurrence of the S-metolachlor metabolites in shallow groundwater across Europe Syngenta RTI International, Research Triangle Park, NC, USA, 796.63 Not GLP not published Syngenta File No CGA077102_11342 2771245	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 03	Hoogeweg G. Zelonis S. Seed V. Sweeney P. Fish L	2014	S-metolachlor - Mass Flux Spatial Data Layer for Soil Metabolite ESA (CGA354743) using GeoPEARL 3.3.3 (conducted during 2012) Syngenta Waterborne Environmental Inc., Leesburg, USA, 796.63 Not GLP not published Syngenta File No CGA354743_50002 2771246	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 04	Hoogeweg G, Zelonis S, Seed V, Sweeney P, Fish L	2014	S-metolachlor – Development of a mass flux spatial data layer for soil metabolite ESA (CGA354743) using GeoPEARL 3.3.3 (conducted during 2014). Study No. CGA354743 10021	N				Supplementary dossier
KCA 7.5 / 05	Negly T., Sweeney P., Clark K.	2014	S-metolachlor - Shallow Groundwater Estimation across Europe using Hydrogeomorphology Syngenta ARCADIS U.S., Inc., Syracuse, NY, USA, TL011546.0002 Not GLP not published Syngenta File No CGA077102_11321 2771247	N	N	-	SYN	Supplementary dossier

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KCA 7.5 / 06	Patterson D. Sweeney P.	2014	S-metolachlor - A Time of Flight analysis for S-metolachlor Metabolite ESA (CGA354743) Following Application to Maize using a modified FOCUS-PEARL 4.4.4 Hamburg Groundwater Scenario Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, RAJ1075B Not GLP not published Syngenta File No CGA354743_10015 2771248	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 07	Hoogeweg G. Zelonis S. Seed V. Sweeney P. Fish L.	2014	S-metolachlor - A GIS-based Cell Selection in Support of a Monitoring Study for the Ethane Sulfonic Acid Metabolite ESA (CGA354743) Syngenta Waterborne Environmental Inc., Leesburg, USA, 796.63 Not GLP not published Syngenta File No CGA354743_50001 2771249	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 08	Newcombe A. White J. Parry S. Wallace D.	2014	S-metolachlor - European Groundwater Monitoring Project: Site Identification, Characterisation, Instrumentation, and Groundwater Sample Collection (Site Identification Phase) Syngenta ARCADIS EC Harris - Newmarket, UK, AUK-018-INT1 Not GLP not published Syngenta File No CGA077102_11319 2771250	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 09	Newcombe A. White J.	2014	S-metolachlor - European Groundwater Monitoring Project: Site Identification, Characterisation, Instrumentation, and Groundwater Sample Collection (Monitoring Well Installation Phase) Syngenta ARCADIS EC Harris - Newmarket, UK, AUK-018-INT2 GLP not published Syngenta File No CGA077102_11324 2771251	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	Supplementary dossier

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CP 9.2.4.1 / 16	Newcombe A. White J.	2014	S-metolachlor - European Groundwater Monitoring Project: Site Identification, Characterisation, Instrumentation, and Groundwater Sample Collection (Field Phase and Analytical Results) Syngenta ARCADIS EC Harris - Newmarket, UK, Eurofins Agros- cience Services Chem SAS, Vergèze, France, AUK-018-INT3 GLP not published Syngenta File No CGA077102_11339 2771252	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	Supplementary dossier
KCA 7.5 / 11	Schofield D.	2017	S-Metolachlor - European Groundwater Monitoring Study in Austria, Belgium, France, Germany, Hungary, Italy, the Netherlands, Poland, Romania, Slovakia and Spain from 2015 to 2020 Syngenta, Syngenta Ramboll Environ UK limited, Birmingham, UK, S15-03292- 01-INT-1 GLP not published Syngenta File No CGA077102_11486	N	Y	New data; eligible for data protection according to SAN- CO/12576/2012	SYN	Supplementary dossier
KCA 7.5 / 12	Amic S.	2016	S-Metolachlor - European groundwater monitoring project Syngenta Eurofins Agrosience Services Chem SAS, Vergeze, France, S15-03292-INT-2016 GLP not published Syngenta File No CGA077102_11426	N	Y	New data; eligible for data protection according to SAN- CO/12576/2012	SYN	Supplementary dossier
KCA 7.5 / 13	Betts E., Andrews R.	2017	SMOC RO8R1 Harsova - Hydrogeological Desktop Assess- ment Syngenta Ramboll Environ UK limited, Birmingham, UK, UK15-24174 Not GLP not published Syngenta File No CGA077102_11464	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 14	Andrews R.	2016	SMOC PL26R1 Piotr-w Kujawski - Hydrogeological desk- top assessment Syngenta Ramboll Environ UK limited, Birmingham, UK, UK15- 22981-2 Not GLP not published Syngenta File No CGA077102_11468	N	N	-	SYN*	Supplementary dossier

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KCA 7.5 / 15	Andrews R.	2016	SMOC Hungary, HU8A1 Bodroghalom - Hydrogeological desktop assessment Syngenta Ramboll Environ UK limited, Birmingham, UK, UK15-22981 Not GLP not published Syngenta File No CGA077102_11467	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 16	Andrews R.	2016	SMOC Germany DE16P1 Hermannsburg - Hydrogeological desktop assessment Syngenta Ramboll Environ UK limited, Birmingham, UK, UK15-22982-2 Not GLP not published Syngenta File No CGA077102_11466	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 17	Andrews R.	2016	SMOC Germany DE10P9 Lastrup - Hydrogeological desktop assessment Syngenta Ramboll Environ UK limited, Birmingham, UK, UK15-22982 Not GLP not published Syngenta File No CGA077102_11465	N	N	-	SYN*	Supplementary dossier
CP 9.2.4.1 / 17	Liss D.	2014	S-metolachlor - Elucidation of Residue Findings of the S-metolachlor Metabolites CGA51202 and GA354743 in Four Groundwater Monitoring Wells in Germany and Austria Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, IF-14/03097602-2 Not GLP not published Syngenta File No CGA051202_10020 2771253	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 19	Hassinger C., Newcombe A.	2016	S-Metolachlor - Site Investigation of Groundwater Monitoring Site BE11B1 Syngenta ARCADIS EC Harris - Newmarket, UK, AUK-018-BE11B1-INTFIN Not GLP not published Syngenta File No CGA077102_11368	N	N	-	SYN*	Supplementary dossier

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KCA 7.5 / 20	Liss D.	2016	S-Metolachlor - Elucidation of Residue Findings of S-Metolachlor and its Metabolites CGA51202 and CGA354743 in Six Groundwater Monitoring Sites in France, Italy and Hungary Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, IF-15/03457078_2 Not GLP not published Syngenta File No CGA077102_11408	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 21	Negly T. Iannuzzi J.	2014	S-metolachlor - Statistical Analysis of CGA354743 Residues from a Groundwater Monitoring Programme Syngenta ARCADIS U.S., Inc., Syracuse, NY, USA, TL011546.0007 Not GLP not published Syngenta File No CGA354743_10014 2771254	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 22	Azimonti G., Galimberti F., Garramone G.	2016	S-metolachlor - A Statistical Monitoring Survey of Shallow Italian Groundwater in 2013 - 2015 - Critical Evaluation - Syngenta ICPS - International Centre for Pesticides & Health, MI, IT, 24-2012 Not GLP not published Syngenta File No CGA077102_11449	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 23	Azimoniti G., Galimberti F., Garramone G.	2015	S-Metolachlor - A statistical monitoring survey of shallow Italian groundwater in 2013-2014 - critical evaluation – Technical Report Syngenta ICPS - International Centre for Pesticides & Health, MI, IT Not GLP not published Syngenta File No CGA077102_11373	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 24	Hoogeweg G. Guevara M. Sweeney P.	2014	S-metolachlor - Context Setting of Monitoring Sites in Support of a Monitoring Program for ESA (CGA354743) Syngenta Waterborne Environmental Inc., Leesburg, USA, TK0222101 Not GLP not published Syngenta File No CGA354743_10016 2771255	N	N	-	SYN	Supplementary dossier

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KCA 7.5 / 25	Knott P., Munoz B., Mosquin P.	2015	S-Metolachlor - Determination statistically valid endpoints GW sampling survey conducted EU27 Syngenta RTI International, Research Triangle Park, NC, USA, TK011579-TECH1 Not GLP not published Syngenta File No CGA077102_11370	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 26	Wallace D.	2015	Syngenta Position Statement on Demonstrating a Safe Use for S-metolachlor Syngenta Not GLP not published Syngenta File No CGA077102_11371	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 27	Amic S.	2014	S-metolachlor - Groundwater monitoring samples in 2014 - Analysis S-metolachlor metabolites in samples from study S12-04634 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S14-01989 Not GLP not published Syngenta File No NOA436611_10019 2771256	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 28	Amic S.	2016	S-metolachlor - Groundwater monitoring samples from May to September in 2014 Analysis of S-metolachlor metabolites in samples from study S12-04634 Syngenta Eurofins Agroscience Services Chem SAS, Vergeze, France, S15-05130 GLP not published Syngenta File No NOA436611_10020	N	Y	New data; eligible for data protection according to SAN- CO/12576/2012	SYN	Supplementary dossier

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KCA 7.5 / 29	Lesot C.	2017	S-Metolachlor - Groundwater monitoring samples in 2013, 2014 and 2015 - Analysis of S-Metolachlor metabolites SYN542492, SYN548163, SYN542491, SYN548165, SYN547977, CGA40172 and CGA41507 in samples from study AUK-018 Syngenta Eurofins Agroscience Services Chem SAS, Vergeze, France, S16-01290 Not GLP not published Syngenta File No SYN542492_10011	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 30	Tessier V.	2014	S-metolachlor - Groundwater Monitoring : Analysis of SYN542492, SYN547977, CGA40172 and CGA41507 in samples from study S12-04634 (non GLP) Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S14-05470 Not GLP not published Syngenta File No SYN542492_10009 2771257	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 31	Wallace D.	2014	Metolachlor/S-metolachlor (CGA24705/CGA77102) and metabolites CGA354743 and CGA51202. Syngenta European Groundwater Monitoring Programmes 1988-2013. Summary Report. Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, CGA77102-GW14 Not GLP not published Syngenta File No CGA077102_11037 2771258	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 32	Resseler H	2009	Monitoring for CGA24705/CGA77102 and metabolites CGA354743 and CGA51202 in shallow groundwater from 2002 to 2005 in Germany Syngenta Syngenta Agro GmbH, Maintal, Germany, HR 03 2009 Not GLP not published Syngenta File No CGA077102_11029 2771259	N	N	-	SYN	Supplementary dossier

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KCA 7.5 / 33	Liss D., Schmidt B.	2013	S-Metolachlor - Clarification of Findings of the Metabolites CGA51202 and CGA354743 of S-Metolachlor in the Groundwater (Monitoring Well Alt-Bennebek, Schleswig-Holstein, Germany) Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, IF-11/02089573 Not GLP not published Syngenta File No CGA051202_10019	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 34	Forestier P.	2014	Supplemental: S-metolachlor_Elucidation of findings of S-metolachlor and its major metabolites CGA 354743 and CGA 51202 in four federal states in Germany for the period from 2008 to 2012 Syngenta, IF-14/03097602-1 GLP not published Syngenta File No CGA077102_11302	N	Y	New data; eligible for data protection according to SAN-CO/12576/2012	SYN	Supplementary dossier
KCA 7.5 / 35	Resseler H	2014	S-Metolachlor - Conclusion and statistical information on the elucidations of the reported findings of S-Metolachlor (CGA77102) and its major soil metabolites CGA354743 and CGA51202 in groundwater for the years 2009, 2010, 2011 and 2012 in four federal states in Germany Syngenta Crop Protection AG, Basel, Switzerland Syngenta Agro GmbH, Maintal, Germany, HR20141111 GLP not published Syngenta File No CGA077102_11305	N	Y	New data; eligible for data protection according to SAN-CO/12576/2012	SYN	Supplementary dossier
KCA 7.5 / 36	Schmidt B., Tribolet R.	2009	Groundwater monitoring for CGA 50267, CGA 50720, CGA 357704, CGA 368208, NOA 413173 and NOA 436611 at the upper Rhine Valley, Germany Syngenta Institut Fresenius, Taunusstein, Germany, IF-05/00378461 Not GLP not published Syngenta File No CGA050267_10000	N	N	-	SYN*	Supplementary dossier

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KCA 7.5 / 37	Schmidt B., Tribolet R.	2009	Groundwater monitoring for CGA 50267, CGA 50720, CGA 357704, CGA 368208, NOA 413173 and NOA 436611 in Mecklenburg-West Pomerania / Brandenburg Syngenta Institut Fresenius, Taunusstein, Germany, IF-05/00378465 Not GLP not published Syngenta File No CGA050267_10003	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 38	Schmidt B., Schneider M., Tribolet R.	2009	Groundwater monitoring for CGA 50267, CGA 50720, CGA 357704, CGA 368208, NOA 413173 and NOA 436611 in Muenster- / Emsland Syngenta Institut Fresenius, Taunusstein, Germany, IF-05/00439274 Not GLP not published Syngenta File No CGA050267_10004	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 39	Schmidt B., Tribolet R.	2009	Groundwater monitoring for CGA 50267, CGA 50720, CGA 357704, CGA 368208, NOA 413173 and NOA 436611 in the Region Rottal (Bavaria, Germany) Syngenta Institut Fresenius, Taunusstein, Germany, IF-05/00378462 GLP not published Syngenta File No CGA050267_10001	N	Y	New data; eligible for data protection according to SAN-CO/12576/2012	SYN	Supplementary dossier
KCA 7.5 / 40	Schmidt B., Tribolet R.	2009	Groundwater monitoring for CGA 50267, CGA 50720, CGA 357704, CGA 368208, NOA 413173 and NOA 436611 in Schleswig Holstein / Mecklenburg- West Pomerania Syngenta Institut Fresenius, Taunusstein, Germany, IF-05/00378531 GLP not published Syngenta File No CGA050267_10002	N	Y	New data; eligible for data protection according to SAN-CO/12576/2012	SYN	Supplementary dossier
KCA 7.5 / 41	LAWA	2015	Bericht zur Grundwasserbeschaffenheit – Pflanzenschutzmittel – Berichtszeitraum 2009 bis 2012 Bund/Länder-Arbeitsgemeinschaft Wasser (LAWA), Germany, Not GLP not published Syngenta File No CGA077102_11521	N	N	-	SYN*	Supplementary dossier

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KCA 7.5 / 42	Seville A., Saludas J., Wallace D.	2014	S-metolachlor - Retrospective Groundwater Monitoring for Metolachlor and its Metabolites CGA354743 (ESA) and CGA51202 (OXA) in France 2006 to 2009 Syngenta - Jealott's Hill, Bracknell, United Kingdom Syngenta - Jealott's Hill, Bracknell, United Kingdom, T004218-06-REG-2 Not GLP not published Syngenta File No CGA077102_11027	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 43	Saludas J	2006	Groundwater Monitoring: S-metolachlor Product Use Surveys 2006 Syngenta Agro SAS, St. Cyr, France Not GLP not published Syngenta File No CGA077102_11019	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 44	Monrozies L	2007	Monitoring Study for S-metolachlor and its principal Metabolites in Groundwater in France Syngenta - Jealott's Hill, Bracknell, United Kingdom Not GLP not published Syngenta File No CGA077102_11021	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 45	Monrozies L	2008	Monitoring Study for S-metolachlor and its principal Metabolites in Groundwater in France Syngenta - Jealott's Hill, Bracknell, United Kingdom Not GLP not published Syngenta File No CGA077102_11015	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 46	Monrozies L	2009	Monitoring Study for S-metolachlor and its principal Metabolites in Groundwater in France Syngenta - Jealott's Hill, Bracknell, United Kingdom Not GLP not published Syngenta File No CGA077102_11022	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 47	Monrozies L.	2011	S-Metolachlor - Monitoring Report - 2010 Syngenta SCE Toulouse, Ramonville, Saint Agne, Toulouse, France, SCE/March2011 Not GLP not published Syngenta File No CGA077102_11201	N	N	-	SYN*	Supplementary dossier

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KCA 7.5 / 48	Monrozies L.	2011	S-Metolachlor - Monitoring Report - 2011 Syngenta SCE Toulouse, Ramonville, Saint Agne, Toulouse, France, LMO/11277_Rapport SMOC Not GLP not published Syngenta File No CGA077102_11198	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 49	Monrozies L.	2012	S-Metolachlor - Monitoring Report - 2012 Syngenta SCE Toulouse, Ramonville, Saint Agne, Toulouse, France, LSE/12245_Rapport SMOC Not GLP not published Syngenta File No CGA077102_11199	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 50	Monrozies L.	2014	S-Metolachlor - Monitoring Report - 2013 Syngenta SCE Toulouse, Ramonville, Saint Agne, Toulouse, France, LSE/130653_Rapport SMOC Not GLP not published Syngenta File No CGA077102_11200	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 51	Monrozies L.	2014	S-metolachlor - Monitoring 2013 - 2014 Syngenta SCE Amenagement & environnement, Nantes, France, SCE/DTU/140371_Monitoring_LMO_V1 Not GLP not published Syngenta File No CGA077102_11463	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 52	Monrozies L.	2016	S-metolachlor - Monitoring 2014 - 2015 Syngenta SCE Amenagement & environnement, Nantes, France, SCE/LSE/150408_Monitoring Not GLP not published Syngenta File No CGA077102_11462	N	N	-	SYN*	Supplementary dossier

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KCA 7.5 / 53	Amic S.	2016	S-Metolachlor - Residues of S-Metolachlor and its metabolites CGA51202 and CGA354743 from groundwater monitoring samples in France during 2015 Syngenta Eurofins Agroscience Services Chem SAS, Verg��ze, France, S15-02729 GLP not published Syngenta File No CGA077102_11407	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	Supplementary dossier
KCA 7.5 / 54	Meseguer C.	2016	S-Metolachlor - Residues of S-Metolachlor and its metabolites CGA51202 and CGA354743 from groundwater monitoring samples in France during 2014 Syngenta Eurofins Agroscience Services Chem SAS, Vergeze, France, S14-03298 GLP not published Syngenta File No CGA077102_11379	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	Supplementary dossier
KCA 7.5 / 55	Wallace D., Willems H., van de Veen J.	2016	S-metolachlor - Occurrence in Surface and Ground Water in Belgium between 2009 and 2014 Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, AR-CADIS, 6800 AG Arnhem, Netherlands, TK0294294_Be_v1 Not GLP not published Syngenta File No CGA077102_11401	N	N	-	SYN*	Supplementary dossier
KCA 7.5 / 31	Zietz E.	2013	S-Metolachlor: Analysis of the S-Metolachlor metabolites NOA436611, NOA413173, CGA357704, CGA368208, CGA50720 and CGA50267 in groundwater samples from wells with documented uses of S-Metolachlor on upstream fields in Germany Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, IF-11/01817557 GLP not published Syngenta File No NOA436611_10005 2771268	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	Supplementary dossier

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KCA 7.5 / 31	Zietz E.	2013	S-Metolachlor - Analysis of S-Metolachlor and the metabolites CGA51202 and CGA354743 in groundwater samples from wells with documented uses of S-Metolachlor on up-stream fields in Germany Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, IF-11/01819773 GLP not published Syngenta File No CGA077102_11133 2771269	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	Supplementary dossier
KCA 7.5 / 32	Liss D., Naeb O.	2014	S-metolachlor - Groundwater Monitoring for S-metolachlor and two related Metabolites in five regions in Germany Syngenta SGS Institut Fresenius GmbH, Taunusstein, Germany, IF-12/02203144 GLP not published Syngenta File No CGA077102_11172 2771270	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	Supplementary dossier
KCA 7.5 / 31	Gemrot F	2011	S-Metolachlor metabolites - Residues of S-Metolachlor Metabolites NOA436611, NOA413173, CGA357704, CGA368208, CGA50720 and CGA50267 from Groundwater Monitoring Samples in France during 2009 Syngenta - Jealott's Hill, Bracknell, United Kingdom Eurofins - ADME Bioanalyses, Vergeze, France, TK0047065-TECH GLP not published Syngenta File No NOA436611_10000 2771272	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	Supplementary dossier
KCA 7.5 / 31	Auteri, D	2007	Assessment of the Contamination of Groundwater Table by S-metolachlor in the Po Plain - Italy Syngenta Crop Protection AG, Basel, Switzerland, T019446-04 Not GLP not published Syngenta File No CGA77102/1133 2771273	N	N	-	SYN	Supplementary dossier

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KCA 7.5 / 31	Robinson N.	2007	S-Metolachlor (CGA77102) - Determination of Residues of the Metolachlor/S-Metolachlor Ethanesulfonic Acid (CGA354743/CGA380168) and Oxanilic Acid (CGA51202/CGA351916) Metabolites in Groundwater from Italy Sampled in 2006 - Analytical Phase Report Syngenta Crop Protection AG, Basel, Switzerland Syngenta - Jealott's Hill International, Bracknell, Berkshire, United Kingdom, T019446-04-PHA Not GLP not published Syngenta File No CGA77102/1119 2771274	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 31	Robinson N., Seville, A.G.	2008	Water Monitoring Study in the Ribatejo, Beira Litoral, Oeste and Douro Regions of Portugal, 1999-2007 Syngenta - Jealott's Hill International, Bracknell, Berkshire, United Kingdom Syngenta - Jealott's Hill International, Bracknell, Berkshire, United Kingdom, T003739-02-REG Not GLP not published Syngenta File No CGA77102/1149 2771275	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 31	Wallace D	2010	S-Metolachlor (CGA77102) - Retrospective Groundwater Monitoring in maize growing regions of Spain, 2000 to 2001 Syngenta - Jealott's Hill, Bracknell, United Kingdom, T004962-01-REG-02 Not GLP not published Syngenta File No CGA077102_11025 2771276	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 31	Seville A	2010	S-metolachlor (CGA77102) - Retrospective Groundwater Monitoring in the Fricktal Region (Switzerland) Syngenta - Jealott's Hill, Bracknell, United Kingdom Syngenta Crop Protection AG, Basel, Switzerland, T005609-01-REG Not GLP not published Syngenta File No CGA077102_11026 2771277	N	N	-	SYN	Supplementary dossier

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KCA 7.5 / 31	Seville A	2010	S-metolachlor (CGA77102) - Retrospective Groundwater Monitoring in the Region Stein-Sisseln-Kaisten (Switzerland) Syngenta - Jealott's Hill, Bracknell, United Kingdom Syngenta Crop Protection AG, Basel, Switzerland, T005041-02-REG Not GLP not published Syngenta File No CGA077102_11023 2771278	N	N	-	SYN	Supplementary dossier
KCA 7.5 / 31	Egli H, Rick B	2006	The Impact on the Groundwater Quality of Herbicide Uses to Railways and Agricultural Fields - A Case Study Kaltenstein/Switzerland 1990-2003 Syngenta - Jealott's Hill, Bracknell, United Kingdom, Not GLP not published Syngenta File No GS13529_10100 2771279	N	N	-	SYN	Supplementary dossier
KCP 9.2.5 / 1	Hardy, I.	2014	S-metolachlor -FOCUSs Steps 1 and 2 Following Pre-Emergence Application to Maize at 1440 g/ha Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029F Not GLP not published Syngenta File No CGA077102_11233 2771519	N	N	-	SYN	Supplementary dossier
KCP 9.2.5 / 2	Hardy, I.	2014	S-metolachlor -FOCUSs Steps 1 and 2 Following Pre-Emergence Application to Maize at 1250 g/ha Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029D Not GLP not published Syngenta File No CGA077102_11235 2771520	N	N	-	SYN	Supplementary dossier

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KCP 9.2.5 / 3	Hardy, I.	2014	S-metolachlor - FOCUSsw Steps 3 and 4 Following Pre-Emergence Application to Maize at 1440 g/ha Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029E Not GLP not published Syngenta File No CGA077102_11224 2771521	N	N	-	SYN	Supplementary dossier
KCP 9.2.5/4	Hardy, I.	2014	S-metolachlor -FOCUSsw Steps 3 and 4 Following Pre-Emergence Application to Maize at 1250 g/ha Syngenta Battelle UK Ltd, Chelmsford, Essex, UK, NC/14/029C Not GLP not published Syngenta File No CGA077102_11223 2771522	N	N	-	SYN	Supplementary dossier

A.9 Ecotoxicology data

Active substance

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CA 8.0	IIA1 8.0	IIA 8.0	Dehn, B.	1996	Metolachlor Assessment: Ecotoxicity, Novartis Crop Protection AG, Basel, Switzerland, 31.12.1996 Syngenta file N° CGA24705/1994 2662675	N	N	-	SYN	1998	Original EU dossier
CA 8.1.1.1 / 01	IIA1 8.1.1 / 01	IIA 8.1.1 / 01	Beavers, J.B.	1983	An acute oral toxicity study in the Mallard with CGA 77102. Wildlife International Ltd., Maryland, US Report N°. 108-219, 01.07.1983 Syngenta file N° CGA77102/0009 2662676	Y	N	-	SYN	1998	Original EU dossier
CA 8.1.1.1 / 02	IIA1 8.1.1 / 02	IIA 8.1.1 / 02	Beavers, J.B.	1983	An acute oral toxicity study in the Bob- white quail with CGA 77102. Wildlife International Ltd., Maryland, US Report N°. 108-220, 19.08.1983 Syngenta file N° CGA77102/0003 2662677	Y	N	-	SYN	1998	Original EU dossier
CA 8.1.1.2 / 01	IIA1 8.1.2 / 01	IIA 8.1.2 / 01	Beavers, J.B.	1983	An eight-day dietary LC50 in Mallard ducks with CGA 77102. Wildlife International Ltd., Maryland, US Report N°. 108-218, 17.06.1983 Syngenta file N° CGA77102/0002 2662678	Y	N	-	SYN	1998	Original EU dossier
CA 8.1.1.2 / 02	IIA1 8.1.2 / 02	IIA 8.1.2 / 02	Beavers, J.B.	1983	An eight-day dietary LC50 in Bobwhite quail with CGA 77102. Wildlife International Ltd., Maryland, US Report N°. 108-217, 05.07.1983 Syngenta file N° CGA77102/0004 2662679	Y	N	-	SYN	1998	Original EU dossier

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CA 8.1.1.3 / 01	IIA1 8.1.3 / 01	IIA 8.1.3 / 01	Beavers, J.B.	1978	One-Generation reproduction study – Mallard duck – metolachlor technical (CGA 24705). Wildlife International Ltd., Maryland, US Report N°. 108-152, 12.10.1978 Syngenta file N° CGA24705/0183 2662680	Y	N	-	SYN	1998	Original EU dossier
CA 8.1.1.3 / 02	IIA1 8.1.3 / 02	IIA 8.1.3 / 02	Beavers, J.B.	1978	One-Generation reproduction study – Bobwhite quail – CGA 24705 technical metolachlor. Wildlife International Ltd., Maryland, US Report N°. 108-150, 27.10.78 Syngenta file N° CGA24705/0184 2662681	Y	N	-	SYN	1998	Original EU dossier
CA 8.1.1.3 / 03	IIA1 8.1.3 / 03	IIA 8.1.3 / 03	Taliaferro, L.C. et al.	1996	The reproductive toxicity test of CGA 24705 in Northern Bobwhite (Colinus virginianus), EBA Inc., Report N°. 029508, 07.05.1996 Syngenta file N° CGA24705/2591 2662682	Y	N	-	SYN	1998	Original EU dossier
CA 8.1.1.3 / 07 (CA 8.1.1.3 / 03 in Supplement)	-	-	Kaczor M.H., Miller V.	1999	The reproductive toxicity test of CGA 77102 technical with the northern bob- white (Colinus virginianus) Novartis Crop Protection AG, Basel, Switzerland EBA Inc., Snow Camp, USA, 029901 GLP not published Syngenta File No CGA77102/0517 2662684	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.1.2.1 / 01	IIA1 8.13 / 01	IIA 8.6 / 07	Schoch, M.	1994	CGA 77102 tech. – Acute oral toxicity study in the rat. Ciba-Geigy Ltd., Basle, CH Report N°. 941056, 21.07.1994 Syngenta file N°CGA 77102/0013 2662781	Y	N	-	SYN	1998	Original EU dossier
CA 8.1.2.1 / 02	IIA1 8.13 / 02	IIA 8.6 / 08	Kuhn, J.O.	1995	CGA 77102 (A-9396 B) – Acute oral toxicity study in rats. Stillmeadow Inc., Sugar Land, United States, Final Report No. 2317-95, 01.12.1995 GLP, not published Syngenta file N° CGA77102/0921 2662782	Y	N	-	SYN	1998	Original EU dossier
CA 8.1.2.1 / 03	IIA1 8.13 / 03	IIA 8.6 / 09	Glaza, S.M.	1994	Acute oral toxicity study of CGA 77102 in rats. Hazleton Wisconsin, Inc., Report N°. HWI 40702449, 23.11.1994 Syngenta file N° CGA77102/0018 2662783	Y	N	-	SYN	1998	Original EU dossier
CA 8.1.2.2 / 02	IIA1 8.13 / 05	IIA 8.6 / 11	O’loughlin, H	1981	Two generation reproduction study with albino rats with metolachlor technical. ToxigeneticsInc. Decatur, IL, US Report No. 450-0272, 31.08.1981 GLP, not published Syngenta File N° CGA24705/1903 2662786	Y	N	-	SYN	1998	Original EU dossier
CA 8.1.4 / 02 (CA 8.1.4 / 02 in Supplement)	-	-	Spolyarich N, Hyne R, Wilson S, Palmer C and Byrne M	2010	Growth, development and sex ratios of Spotted Marsh Frog (Limnodynastes tasmaniensis) larvae exposed to atrazine and a herbicide mixture, Published, Chemosphere 78, 807–813 2816319	Y	N	-	-	2015	Supplementary dossier

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CA 8.1.4			Gosner, L.K	1960	A simplified table for staging anuran embryos and larvae with notes on identification. Herpetologica 16, 183–190.	N	N		LIT	2018	Supplementary dossier
CA 8.1.4 / 03 (CA 8.1.4 / 03 in Supplement)	-	-	Wan MT, Buday C, Schroeder G, Kuo J and Pasternak J	2006	Toxicity to <i>Daphnia magna</i> , <i>Hyalella azteca</i> , <i>Oncorhynchus kisutch</i> , <i>Oncorhynchus mykiss</i> , <i>Oncorhynchus tshawytscha</i> , and <i>Rana catesbeiana</i> of Atrazine, Metolachlor, Simazine, and Their Formulated Products, Published, Bull. Environ. Contam. Toxicol., 76:52–58 2816330	N	N	-	-	2015	Supplementary dossier
CA 8.1.4			CETIS (Comprehensive Environmental Toxicity Information System)	2005	Database applications for the analysis, maintenance and organization of toxicity data. Tidepool Scientific Software, McKinleyville, CA, USA	N	N		LIT	2018	Supplementary dossier
CA 8.1.4			Wan MT, Kuo J, Buday C, Schroeder G, Vanaggelen G Pasternak J	2005	Toxicity of α -, β - ($\alpha+\beta$)-endosulfan and their formulated and degradation products to <i>Daphnia magna</i> , <i>Hyalella azteca</i> , <i>Oncorhynchus mykiss</i> <i>Oncorhynchus kisutch</i> , and biological implications in streams. Eviro. Toxicol Chem 24:1146-1154	N	N		LIT	2018	Supplementary dossier
CA 8.1.4 / 04 (CA 8.1.4 / 04 in Supplement)	-	-	Williams BK and Semlitsch RD	2010	Larval Responses of Three Midwestern Anurans to Chronic, Low-Dose Exposures of Four Herbicides, Published, Arch Environ Contam Toxicol 58:819–827 2816355	N	N	-	-	2015	Supplementary dossier

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CA 8.1.4 / 05	-	-	Papaefthimiou C, De Guadalupe Cabral M, Mixailidou C, Viegas CA, Sá-Correia I & Theophilidis G	2004	Comparison of two screening bioassays, based on the frog sciatic nerve and yeast cells, for the assessment of herbicide toxicity Published, Environmental toxicology and chemistry 23:1211-1218	Y	N		LIT	2018	Supplementary dossier
CA 8.1.4 / 06	-	-	Hayes, T.B., Case, P., Chui, S., Chung D., Haeffele, C., Haston, K., Lee, M., Mai, V.P., Marjuoa, Y., Parker, J., Tsui, M.	2006	Pesticide mixtures, endocrine disruption, and amphibian declines: are we under- estimating the impact? Published, Environmental Health Perspectives 114:40-50	Y	N		-	2018	Supplementary dossier
CA 8.1.5/01	-	-	Charlton, A.J.	2014	S-metolachlor – Review for Potential for Endocrine Disruption in Mammalian Species Syngenta Ltd. Jealott's Hill International Research, Bracknell, Berks RG42 6EY. Report No. TK0225713, 08.12.2014 Not GLP not published. Syngenta File No. CGA077102_11316 2771195	N	N	-	SYN	2014	Supplementary dossier
CA 8.2.1 / 01	IIA1 8.2.1.1 / 01	IIA 8.2.1.1 / 01	Buccafusco R.J.	1978	Acute toxicity of CGA 24705 to rainbow trout (Salmo gairdneri) Novartis Crop Protection AG, Basel, Switzerland Bionomics Aquatic Tox. Lab., Wareham, USA, BW-78-6-186 Not GLP not published Syngenta File No CGA24705/0190 3158902	Y	N	-	SYN	1998	Original EU dossier

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CA 8.2.1 / 02	IIA1 8.2.1.1 / 02	IIA 8.2.1.1 / 02	Sachsse K., Ullmann L.	1974	Acute toxicity to rainbow trout, crucian carp, channel catfish, bluegill and guppy of technical CGA 24705 Novartis Crop Protection AG, Basel, Switzerland Ciba-Geigy Ltd., Basel, Switzerland, SISS-3516 Not GLP not published Syngenta File No CGA24705/0192 3158906	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 03	IIA1 8.2.1.1 / 03	IIA 8.2.1.1 / 03	Buccafusco R.J.	1978	Acute toxicity of CGA 24705 to bluegill (<i>Lepomis macrochirus</i>) Novartis Crop Protection AG, Basel, Switzerland Bionomics Aquatic Tox. Lab., Wareham, USA, BW-78-6-181 Not GLP not published Syngenta File No CGA24705/0191 3158918	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 04	IIA1 8.2.1.1 / 04	IIA 8.2.1.1 / 04	Ward, G.S.	1980	Acute toxicity of metolachlor (Dual) to spot (<i>Leiostomus xanthurus</i>). EG&G Bionomics, Report N°. BP-80-3-59, 01.03.1980 Syngenta file N° CGA24705/0195 2662686	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 05	IIA1 8.2.1.1 / 05	IIA 8.2.1.1 / 05	Spare, W.C.	1983	The acute toxicity of CGA-77102 (technical) to Rainbow trout (<i>Salmo gairdneri</i>). Biospheric Inc., Rockville, USA Report N°. 83-E-168R, 01.07.1983 GLP, unpublished Syngenta file N° CGA77102/0008 2662687	Y	N	-	SYN	1998	Original EU dossier

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CA 8.2.1 / 06	IIA1 8.2.1.1 / 06	IIA 8.2.1.1 / 06	Spare, W.C.	1983	The acute toxicity of CGA-77102 (tech- nical) to Bluegill sunfish (<i>Lepomis macrochirus</i>). Biospheric Inc., Rockville, USA Report N° 83-E-168B, 01.07.1983 GLP, unpublished Syngenta file N° CGA77102/0007 2662689	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 07	IIA1 8.2.1.1 / 07	IIA 8.2.1.1 / 07	Machado, M.W.	1994	Metolachlor technical – acute toxicity to sheepshead minnow (<i>Cyprinodon varie- gatus</i>) under flow-through conditions. Springborn Laboratories Inc., Report N° 94-7-5378, 20.09.1994 Syngenta file N° CGA24705/2483 2662690	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 08	IIA1 8.2.1.1 / 08	IIA 8.2.1.1 / 08	Collins, M.K.	1995	CGA 77102 – Acute toxicity to Rainbow trout (<i>Oncorhynchus mykiss</i>) under static conditions. Springborn Laboratories, Inc., Report N° 95-9-6117, 12.12.1995 Syngenta file N° CGA77102/0076 2662691	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 09	IIA1 8.2.1.3 / 01	IIA 8.2.1.2 / 01	Vial, A.	1991	Report on the acute toxicity test of CGA 40172 to Rainbow trout (<i>Salmo gaird- neri</i>). Ciba-Geigy Ltd., Basel, Switzerland Report N° 918156, 12.08.1991 GLP, unpublished Syngenta file N° CGA40172/0001 2662692	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 10	IIA1 8.2.1.3 / 02	IIA 8.2.1.2 / 02	Vial, A.	1991	Report on the acute toxicity test of CGA 40172 to Common carp (<i>Cyprinus car- pio</i>). Ciba-Geigy Ltd., Basel, Switzerland Report N° 918155, 12.08.1991 GLP, unpublished Syngenta file N° CGA40172/0005 2662693	Y	N	-	SYN	1998	Original EU dossier

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CA 8.2.1 / 11	IIA1 8.2.1.3 / 03	IIA 8.2.1.2 / 03	Vial, A.	1991	Report on the acute toxicity test of CGA 51202 to Rainbow trout (<i>Salmo gairdneri</i>). Ciba-Geigy Ltd., Basel, Switzerland Report N°. 918150, 12.08.1991 GLP, unpublished Syngenta file N° CGA51202/0025 2662694	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 12	IIA1 8.2.1.3 / 04	IIA 8.2.1.2 / 04	Vial, A.	1991	Report on the acute toxicity test of CGA 51202 to Common carp (<i>Cyprinus carpio</i>). Ciba-Geigy Ltd., Basel, Switzerland Report N°. 918151, 12.08.1991 GLP, unpublished Syngenta file N° CGA51202/0024 2662695	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 13	IIA1 8.2.1.3 / 05	IIA 8.2.1.2 / 05	Rufli, H.	1996	Acute toxicity test of CGA 354743 (Metabolite of CGA 24705) to Rainbow trout (<i>Oncorhynchus mykiss</i>) in the static system. Ciba-Geigy Ltd., Basel, Switzerland Report N°. 961526, 11.06.1996 GLP, unpublished Syngenta file N° CGA354743/0004 2662696	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 14	IIA1 8.2.1.3 / 06	IIA 8.2.1.2 / 06	Naudin, S.	1997	CGA 41507 (Metabolite of CGA 77102): static acute toxicity test with Rainbow trout (<i>Oncorhynchus mykiss</i>). Springborn (Europe) AG, Horn, Switzerland Report N°. 97-190-1047, 19.08.1997 GLP, unpublished Syngenta file N° CGA41507/0002 2662697	Y	N	-	SYN	1998	Original EU dossier

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CA 8.2.1 / 15	IIA1 8.2.1.3 / 07	IIA 8.2.1.2 / 07	Böttcher, J.	1997	Acute toxicity of CGA 50720 for Rain- bow trout (Determination of the LC50). Novartis Services AG, Basel, Switzer- land Report N°. G 50304, 25.11.1997 GLP, unpublished Syngenta file N° CGA50720/0005 2662698	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 16	IIA1 8.2.1.3 / 08	IIA 8.2.1.2 / 08	Böttcher, J.	1997	Acute toxicity of CGA 357704 for Rain- bow trout (Determination of the LC50). Novartis Services AG, Basel, Switzer- land Report N°. G 50204, 25.11.1997 GLP, unpublished Syngenta file N° CGA357704/0005 2662699	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 17	IIA1 8.2.1.3 / 09	IIA 8.2.1.2 / 09	Böttcher, J.	1997	Acute toxicity of CGA 368208 for Rain- bow trout (Determination of the LC50). Novartis Services AG, Basel, Switzer- land Report N°. G 50104, 25.11.1997 GLP, unpublished Syngenta file N° CGA368208/0004 2662700	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.1 / 18 (CA 8.2.1 / 01 in Supple- ment)	-	-	Sims I.	2006	S-metolachlor (CGA77102) technical – Acute toxicity to carp (Cyprinus carpio) under static conditions Syngenta Crop Protection AG, Basel, Switzerland Syngenta – Jealott's Hill International, Bracknell, Berkshire, United Kingdom, T001970-06-REG GLP not published Syngenta File No CGA77102/1059 2739939	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.1 / 19 (CA 8.2.1 / 02 in Supple- ment)	-	-	Palmer S., Kendall T., Krueger H.	2004	CGA-77102: A 96-Hour Static-Renewal Acute Toxicity Test with the Sheepshead Minnow (<i>Cyprinodon variegatus</i>) Syngenta Crop Protection AG, Basel, Switzerland Wildlife International Ltd., Easton MD, USA, 528A-126, 240-02 T000240-02 GLP not published Syngenta File No CGA77102/0704 2662685	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.1 / 20 (CA 8.2.1 / 03 in Supple- ment)	-	-	Peither A.	2001	Acute Toxicity of CGA 37735 (Metabo- lite of CGA 77102) to Rainbow Trout (<i>Oncorhynchus mykiss</i>) under static conditions Syngenta Crop Protection AG, Basel, Switzerland RCC Ltd., Itingen, Switzerland, 791537 GLP not published Syngenta File No CGA37735/0002 2662702	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.1 / 21 (CA 8.2.1 / 04 in Supple- ment)	-	-	Volz E.	2005	S-Metolachlor (CGA77102) Metabolite (NOA436611): Acute toxicity to rainbow trout (<i>Oncorhynchus mykiss</i>) in a 96-hour static test Syngenta Crop Protection AG, Basel, Switzerland RCC Ltd., Itingen, Switzerland, A12857 2031800 GLP not published Syngenta File No NOA436611/0002 2771289	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.1 / 22 (CA 8.2.1 / 05 in Supple- ment)	-	-	Peither A.	2001	Acute Toxicity of CGA 50267 (Metabo- lite of CGA 77102) to Rainbow Trout (Oncorhynchus mykiss) under static conditions Syngenta Crop Protection AG, Basel, Switzerland RCC Ltd., Itingen, Switzerland, 791550 GLP not published Syngenta File No CGA50267/0004 2771290	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.1 / 23 (CA 8.2.1 / 06 in Supple- ment)	-	-	Peither A.	2001	Acute Toxicity of NOA 413173 (Metabo- lite of CGA 77102) to Rainbow Trout (Oncorhynchus mykiss) under static conditions Syngenta Crop Protection AG, Basel, Switzerland RCC Ltd., Itingen, Switzerland, 791572 GLP not published Syngenta File No NOA413173/0002 2771291	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.2 / 03 (CA 8.2.2 / 01 in Supple- ment)	-	-	Rufli H.	1997	Prolonged toxicity test of CGA 77102 to rainbow trout (Oncorhynchus mykiss) in the flow-through system Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Basel, Switzerland, 971605 GLP not published Syngenta File No CGA77102/0380 2662705	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.2 / 04 (CA 8.2.2 / 02 in Supplement)	-	-	Volz E	2001	Prolonged Toxicity Test of CGA 77102 tech. to Rainbow Trout (<i>Oncorhynchus mykiss</i>) under Flow-Through Conditions Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 2011771 GLP not published Syngenta File No CGA77102/0594 2662706	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.2 / 05 (CA 8.2.2 / 03 in Supplement)	-	-	Wuthrich V.	1990	Metolachlor: 21-day prolonged toxicity study in the rainbow trout under flow- through conditions Novartis Crop Protection AG, Basel, Switzerland RCC Ltd., Itingen, Switzerland, 234652 GLP not published Syngenta File No CGA24705/2691 2771294	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.2 / 06	-	-	Padilla, S., Corum, D., Padnos, B., Hunter, D. L., Beam, A.; Houck, K.A., Sipes, N., Kleinstreuer, N., Knudsen, T., Dix, D.J., Reif, D.M.	2012	Zebrafish developmental screening of the ToxCast Phase I chemical library	Y	N	-	LIT	2018	Supplementary dossier
CA 8.2.2.1 / 01	IIA1 8.2.2/01	IIA 8.2.2 / 01	Ward, G.S.	1980	Effects of metolachlor (Dual) on the survival, growth, and development of sheepshead minnows (<i>Cyprinodon variegatus</i>). EG&G Bionomics, Report N°. BP-80-5-80, Syngenta file N° CGA24705/0194 2662703	Y	N	-	SYN	1998	Original EU dossier

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CA 8.2.2.1 / 02 (CA 8.2.2.1 / 01 in Supplement)	-	-	Sousa J.V.	1999	S-metolachlor (CGA 77102) – Early life-stage toxicity test with fathead minnow (<i>Pimephales promela</i>) Novartis Crop Protection AG, Basel, Switzerland Springborn Laboratories Inc., Wareham, USA, 1781.6576 GLP not published Syngenta File No CGA77102/0516 2662707	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.2.1 / 04 (CA 8.2.2.1 / 03 in Supplement)	-	-	Sousa J. V.	2006	Metolachlor (CGA24705) – The Toxicity to Fathead Minnow (<i>Pimephales promelas</i>) during an Early Life-Stage Exposure Syngenta Crop Protection AG, Basel, Switzerland Springborn Smithers Laboratories, Wareham, USA, 1781.6631, T002402-01 GLP not published Syngenta File No CGA24705/2840 2725727	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.2.1 / 06 (CA 8.2.2.1 / 05 in Supplement)	-	-	Sousa J.V.	2000	S-metolachlor (CGA 77102) – Early life-stage toxicity test with sheepshead minnow (<i>Cyprinodon variegatus</i>) Novartis Crop Protection AG, Basel, Switzerland Springborn Laboratories Inc., Wareham, USA, 1781.6613 GLP not published Syngenta File No CGA77102/0563 2725726	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.2.1 / 01	IIA1 8.2.2/02	IIA 8.2.2 / 02	Dionne, E.	1993	Chronic toxicity of CGA 24705 to the Fathead minnow (<i>Pimephales promelas</i>). EG&G Bionomics, Report N°. BW-78-11-341, 20.12.1993 Syngenta file N° CGA24705/0193 2662704	Y	N	-	SYN	1998	Original EU dossier

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CA 8.2.2.3 / 01	IIA1 8.2.6/01	IIA 8.2.3 / 01	Fackler, P.H.	1989	Bioconcentration and elimination of 14C-residues by bluegill (<i>Lepomis macrochirus</i>) exposed to metolachlor. Springborn Life Sciences Inc., Report N°. 87-9-2505, 29.06.1989 Syngenta file N° CGA24705/0248 2662708	Y	N	-	SYN	1998	Original EU dossier
CA 8.2.2.3 / 02 (CA 8.2.2.3 / 02 in Supplement)	-	-	Volz E.	2001	Accumulation and elimination of [phenyl-(U)-14C] CGA 77102 by bluegill sunfish (<i>Lepomis macrochirus</i>) in a dynamic flow-through system Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 991585 GLP not published Syngenta File No CGA77102/0580 2662709	Y	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.3 / 01	-	-	Vaughan, M. & Maynard, S.	2014	S-metolachlor – Review for Potential for Endocrine Disruption, non-mammalian toxicology Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, TK0219435 Not GLP not published. Syngenta File No. No CGA077102_11322 2771285	N	N		SYN	2015	Supplementary dossier
CA 8.2.3			Brown RP, Greer RD, Mihaich EM, Guiney PD	2001	A critical review of the scientific literature on potential endocrine-mediated effects in fish and wildlife. <i>Ecotoxicol. Environ. Safety</i> 49: 17-25	N	N		LIT	2018	Supplementary dossier
CA 8.2.3			CEFIC EMSG	1999	Towards the establishment of a weight of the evidence approach to prioritising action in relation to endocrine disruption. CEFIC	N	N		LIT	2018	Supplementary dossier

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CA 8.2.3			Hayes TB, Case P, Chui S, Chung D, Haeffele C Haston K, Lee M, Mai VP, Marjuora Y, Parker J, Tsui M	2006	Pesticides mixtures, endocrine disruption, and amphibian declines: are we underes- timating the impact? Environmental Health Perspectives 114:40-50	N	N		LIT	2018	Supplementary dossier
CA 8.2.3			Jin Y, Chen R, Wang L, Liu J, Yang Y, Zhou C, Liu W, Fu Z	2011	Effects of metolachlor on transcription of thyroid statem-related genes in juvenile and adult Japanese medaka (<i>Oryzias latipes</i>). General and Comparative Endo- crinology 170 487-493.	N	N		LIT	2018	Supplementary dossier
CA 8.2.3			Kashian DR, Dodson S	2002	Effects of common-use pesticides on development and reproductive processes in Daphnia. Toxicology and Industrial Health 18:225-235	N	N		LIT	2018	Supplementary dossier
CA 8.2.3			Klimisch HJ, Andreae M, Tillmann U	1997	A systematic approach for evaluating the quality of experimental toxicological and ecotoxicological data. Reg. Tox. Pharma- col. 25: 1- 5.	N	N		LIT	2018	Supplementary dossier
CA 8.2.3			Liu H, Ye W, Zhan X, Liu W	2006	A comparative study of rac- and S- metolachlor toxicity to Daphnia magna. Ecotoxicology and Environmental Safety 63:451-455	N	N		LIT	2015	Supplementary dossier
CA 8.2.3			Mai H, Cachot J, Brune J, Geffard O, Belles A, Budzinski H, Morin B	2012	Embryotoxic and genotoxic effects of heavy metals and pesticides on early life stages of Pacific oyster (<i>Crassostrea gigas</i>). Marine Pollution Bulletin 64:2663-2670.	N	N		LIT	2018	Supplementary dossier
CA 8.2.3			Mai H, Morin B, Pardon P, Gonzalez P, Budzinski H	2013	Environmental concentrations of irgarol, diuron and S-metolachlor induce deleteri- ous effects on gamates and embryos of the Pacific oyster, <i>Crassostrea gigas</i> . Marine Enironmental Research 98:1-8.	N	N		LIT	2018	Supplementary dossier
CA 8.2.3			Mai H, Gonzalez P, Pardon P, Tapie N, Budzinski H, Cachot J, Morin B	2014	(). Comparative responses of sperm cells and embryos of Pacific oyster (<i>Crassostrea gigas</i>) to exposure to metolachlor and its degradation products. Aquatic Toxicology 147:48-56.	N	N		LIT	2018	Supplementary dossier

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CA 8.2.3			Miltener HG, Mullerschön H, Heidemann A, Offi- zörz P	1990	Influence of metolachlor on the reproduc- tion of <i>Daphnia magna</i> . Cytotest Cell Research, GmbH & Co. KG, Rossdorf, Germany. CPR Project 164204	N	N		LIT	2018	Supplementary dossier
CA 8.2.3			Osano O, Admiraal W, Otteno D	2002	Development disorders in embryos of the frog <i>Xenopus laevis</i> induced by Chloro- acetanilide herbicides and their degrada- tion products. Environmental Toxicology and Chemistry 21:375-379	Y	N		LIT	2018	Supplementary dossier
CA 8.2.3			Spolyarich N, Hyne R, Wilson S, Palmer C, Byrne M.	2010	Growth, development and sex ratios of Spotted Marsh Frog (<i>Limnodynastes tasmaniensis</i>) larvae exposed to atrazine and a herbicide mixture. Chemosphere 78 807-813	Y	N		LIT	2018	Supplementary dossier
CA 8.2.4 / 01	IIA1 8.3.1 / 01	IIA 8.2.4.1 / 01	Heitmüller, T.	1980	Acute toxicity of metolachlor (Dual) to Grass shrimp (<i>Palaemonetes pugio</i>). EG&G Bionomics, Report N°. BP-80-3-62, 01.03.1980 Syngenta file N° CGA24705/0202 2662710	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 02	IIA1 8.3.1 / 02	IIA 8.2.4.1 / 02	Heitmüller, T.	1980	Acute toxicity of metolachlor (Dual) to pink shrimp (<i>Penaeus duorarum</i>). EG&G Bionomics, Report N°. BP-80-4-64, 01.04.1980 Syngenta file N° CGA24705/0203 2662711	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 03	IIA1 8.3.1 / 03	IIA 8.2.4.1 / 03	Hollister, T.A. and Ward, G.S.	1980	Acute toxicity of metolachlor (Dual) to Calanoid copepods (<i>Acartia tonsa</i>). EG&G Bionomics, Report N°. BP-80-6-97, 01.06.1980 Syngenta file N° CGA24705/0200 2662712	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 04	IIA1 8.3.1 / 04	IIA 8.2.4.1 / 04	Hollister, T.A. and Ward, G.S.	1980	Acute toxicity of metolachlor (Dual) to embryos-larvae of eastern oysters (<i>Crassostrea virginica</i>). EG&G Bionom- ics, Report N°. BP-80-6-99, 01.06.1980 Syngenta file N° CGA24705/0208 2662713	N	N	-	SYN	1998	Original EU dossier

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CA 8.2.4 / 05	IIA1 8.3.1 / 05	IIA 8.2.4.1 / 05	Spare, W.C.	1983	The acute toxicity of CGA 77102 (tech- nical) to Daphnia magna Straus. Biospherics Inc., Report N°. 83-E-168D, 01.07.1983 Syngenta file N° CGA77102/0005 2662714	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 06	IIA1 8.3.1 / 06	IIA 8.2.4.1 / 06	Spare, W.C.	1983	The acute toxicity of CGA 77102 (tech- nical) to Mysidopsis bahia (Bay Shrimp). Biospherics Inc., Report N°. 83-E-168M, 01.09.1983 Syngenta file N° CGA77102/0006 2662715	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 07	IIA1 8.3.1 / 07	IIA 8.2.4.1 / 07	Dionne, E.	1994	Metolachlor technical – acute toxicity to eastern oyster (Crassostrea virginica). Springborn Laboratories Inc., Report N°. 94-7-5365, 20.09.1994 Syngenta file N° CGA24705/2482 2662716	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 08	IIA1 8.3.1 / 08	IIA 8.2.4.1 / 08	Machado, M.W.	1994	Metolachlor technical – Acute Toxicity to Mysid Shrimp (Mysidopsis bahia) under flow-through conditions. Springborn Laboratories, Inc., Report N°. 94-7-5402, 20.09.1994 Syngenta file N° CGA24705/2481 2662717	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 09	IIA1 8.3.1 / 09	KIIA 8.2.4 / 09	Heitmuller T.	1980	Acute toxicity of metolachlor (DUAL) to fiddler crabs (Uca pugilator) Novartis Crop Protection AG, Basel, Switzerland Eg&G Bionomics (Fl), Pensacola, USA, BP-80-3-61 Not GLP not published Syngenta File No CGA24705/0201 3159073	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 10	IIA1 8.3.1 / 10	IIA 8.2.4.1 / 10	Collins, M.K.	1995	Acute toxicity to daphnids (Daphnia magna) under static conditions. Springborn Laboratories Inc. Report N°. 95-9-6082, 29.09.1995 Syngenta file N° CGA77102/0074 2662718	N	N	-	SYN	1998	Original EU dossier

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CA 8.2.4 / 11	IIA1 8.3.1 / 11	IIA 8.2.4.2 / 01	Vial, A.	1991	Report on the acute toxicity test of CGA 40172 on Daphnia (Daphnia magna Straus 1820). Ciba-Geigy Ltd., Basel, Switzerland Report N°. 918154, 12.08.1991 GLP, unpublished Syngenta file N° CGA40172/0004 2662719	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 12	IIA1 8.3.1 / 12	IIA 8.2.4.2 / 02	Vial, A.	1991	Report on the acute toxicity test of CGA 51202 on Daphnia (Daphnia magna Straus 1820). Ciba-Geigy Ltd., Basel, Switzerland Report N°. 918162, 12.08.1991 GLP, unpublished Syngenta file N° CGA51202/0023 2662720	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 13	IIA1 8.3.1 / 13	IIA 8.2.4.2 / 03	Neumann, C.	1996	Acute toxicity test of CGA 354743 (me- tabolite of CGA 24705) to the cladoceran Daphnia magna Straus under static condi- tions. Ciba-Geigy Ltd., Basel, Switzerland Report N°. 961528, 20.10.1996 GLP, unpublished Syngenta file N° CGA354743/0005 2662721	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 14	IIA1 8.3.1 / 14	IIA 8.2.4.2 / 04	Naudin, S.	1997	CGA 41507 (Metabolite of CGA 77102): static acute toxicity test with Daphnids (Daphnia magna). Springborn (Europe) AG, Horn, Switzer- land Report N°. 97-191-1047, 17.09.1997 GLP, unpublished Syngenta file N° CGA41507/0003 2662722	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 15	IIA1 8.3.1 / 15	IIA 8.2.4.2 / 05	Maetzler, P.	1997	Acute toxicity of CGA 50720 to Daphnia magna (Immobilisation test). Novartis Services AG, Basel, Switzerland Report N°. G 50314, 26.11.1997 GLP, unpublished Syngenta file N° CGA50720/0004 2662723	N	N	-	SYN	1998	Original EU dossier

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CA 8.2.4 / 16	IIA1 8.3.1 / 16	IIA 8.2.4.2 / 06	Maetzler, P.	1997	Acute toxicity of CGA 357704 to Daphnia magna (Immobilisation test). Novartis Services AG, Basel, Switzerland Report N°. G 50214, 26.11.1997 GLP, unpublished Syngenta file N° CGA357704/0004 2662724	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 17	IIA1 8.3.1 / 17	IIA 8.2.4.2 / 07	Maetzler, P.	1997	Acute toxicity of CGA 368208 to Daphnia magna (Immobilisation test). Novartis Services AG, Basel, Switzerland Report N°. G 50114, 26.11.1997 GLP, unpublished Syngenta file N° CGA368208/0003 2662725	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 18	IIA1 8.3.1 / 18	IIA 8.2.4.2 / 08	Maetzler, P.	1998	Acute toxicity of CGA 351916 (metabolite of CGA 77102) to Daphnia magna (immobilisation test). Novartis Services AG, Basel, Switzerland Report N° G55514, 11.12.1998 GLP, not published Syngenta file No. CGA 351916/0003 2662726	N	N	-	SYN	1998	Original EU dossier
CA 8.2.4 / 19	-	-	Osano, O.; Admiraal, W.; Bleeker, E.A.J.; Klamer, H.J.C.; Pastor, D	2002	Comparative toxic and genotoxic effects of chloroacetanilides, formamidines and their degradation products on Vibrio fischeri and Chironomus riparius.	N	N	-	LIT	-	-
CA 8.2.4.1 / 01 (CA 8.2.4.1 / 01 in Supplement)	-	-	Pfeifle V.	2001	Acute toxicity of CGA 37735 (metabolite of CGA 24705) to Daphnia magna (Immobilisation Test) Syngenta Crop Protection AG, Basel, Switzerland Solvias AG, Basel, Switzerland, G 65314 GLP not published Syngenta File No CGA37735/0004 2662729	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.4.1 / 02 (CA 8.2.4.1 / 02 in Supple- ment)	-	-	Volz E.	2005	S-Metolachlor (CGA77102) Metabolite (NOA436611): Acute toxicity to Daphnia magna in a 48-hour immobilization test Syngenta Crop Protection AG, Basel, Switzerland RCC Ltd., Itingen, Switzerland, A12870 2031799 GLP not published Syngenta File No NOA436611/0003 2771305	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.4.1 / 03 (CA 8.2.4.1 / 03 in Supple- ment)	-	-	Maetzler P.	2001	Acute toxicity of CGA 50267 (metabolite of CGA 24705) to Daphnia magna (Im- mobilisation Test) Syngenta Crop Protection AG, Basel, Switzerland Solvias AG, Basel, Switzerland, G 65214 GLP not published Syngenta File No CGA50267/0005 2662727	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.4.1 / 04 (CA 8.2.4.1 / 04 in Supple- ment)	-	-	Maetzler P.	2001	Acute toxicity of NOA 413173 (metabo- lite of CGA 24705) to Daphnia magna (Immobilisation Test) Syngenta Crop Protection AG, Basel, Switzerland Solvias AG, Basel, Switzerland, G 65114 GLP not published Syngenta File No NOA413173/0004 2662728	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.4.2 / 01 (CA 8.2.4.2 / 01 in Supplement)	-	-	Palmer S., Kendall T., Krueger H.	2004	CGA-77102: A 96-Hour Shell Deposition Test with the Eastern Oyster (<i>Crassostrea</i> <i>virginica</i>) Syngenta Crop Protection AG, Basel, Switzerland Wildlife International Ltd., Easton MD, USA, 528A-127, 245-02 GLP not published Syngenta File No CGA77102/0705 2771308	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.5.1 / 01	IIA1 8.3.2 / 01	IIA 8.2.5 / 01	Rufli, H.	1989	Report on the Daphnia, reproduction test with CGA 24705 technical. Ciba-Geigy Ltd. Basle, CH Report N°. 891103, 11.12.1989 Syngenta file N° CGA24705/0207 2662730	N	N	-	SYN	1998	Original EU dossier
CA 8.2.5.1 / 02	IIA1 8.3.2 / 02	IIA 8.2.5 / 02	Putt, A.E.	1995	Metolachlor technical – the chronic toxicity to Daphnia magna under flow- through conditions. Springborn Laborato- ries, Inc. unpublished Report N°. 95-8-6061, 22.09.1995 Syngenta file N° CGA24705/2534 2662731	N	N	-	SYN	1998	Original EU dossier
CA 8.2.5.1 / 04 (CA 8.2.5.1 / 02 in Supplement)	-	-	Müllerschön, H.	1990	Influence of Metolachlor on the Repro- duction of Daphnia Magna Novartis Crop Protection AG, Basel, Switzerland RCC Umweltchemie GmbH & Co. KG, Rossdorf, Germany, 164204 GLP not published Syngenta File No CGA24705/2693 2771310	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.5.1 / 05 (CA 8.2.5.1 / 03 in Supplement)	-	-	Palmer S., Kendall T., Krueger H.	2004	CGA-77102: A Flow-Through Life-Cycle Toxicity Test with the Cladoceran (<i>Daphnia magna</i>) Syngenta Crop Protection AG, Basel, Switzerland Wildlife International Ltd., Easton MD, USA, 528A-130, 241-02 GLP not published Syngenta File No CGA77102/0706 2662732	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.5.2 / 01 (CA 8.2.5.2 / 01 in Supplement)	-	-	Lima W.	1999	S-metolachlor (CGA 77102) – Life-cycle toxicity test with mysid (<i>Mysidopsis bahia</i>) Novartis Crop Protection AG, Basel, Switzerland Springborn Laboratories Inc., Wareham, USA, 1781.6575 GLP not published Syngenta File No CGA77102/0515 2771313	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.5/ 06	-	-	Cook ME & Moore PA	2008	The effects of the herbicide metolachlor on agonistic behaviour in the crayfish, <i>Oronectes rusticus</i> .	N	N	-	-	-	-
CA 8.2.5/ 07	-	-	Fischer BB, Roffler S & Eggen RIL	2012	Multiple Stressor Effects of Predation by Rotifers and Herbicide Pollution on Different <i>Chlamydomonas</i> Strains and Potential Impacts on Population Dynamics, Published, Environmental Toxicology and Chemistry, Vol. 31, No. 12, pp. 2832–2840 2816494	N	N	-	-	-	-
CA 8.2.5/ 08	-	-	Gagnaire B, Thomas- Guyon H, Burgeot Th., Renault T	2006	Pollutant effects on Pacific oyster, <i>Crassostrea gigas</i> (Thunberg), hemocytes: Screening of 23 molecules using flow cytometry.	N	N	-	-	-	-

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CA 8.2.5 / 09	-	-	Jin-Clark, Y., Ander- son, T.D., Zhu, K.Y.	2008	Effect of alachlor and metolachlor on toxicity of chlorpyrifos and major detoxi- fication enzymes in the aquatic midge, Chironomus tentans (Diptera: Chirono- midae).	N	N	-	-	-	-
CA 8.2.5/ 10	-	-	Liu H, Ye W, Zhan X and Liu W.	2006	Comparative study of rac- and S- metolachlor toxicity to Daphnia magna, Published, Ecotoxicology and Environmental Safety 63, 451–455 2816369	N	N	-	-	2015	Supplementary dossier
CA 8.2.5/ 11	-	-	Perez, J., Monteiro, M.S., Quintaneiro C., Soares, A.M.V.M., Loureiro, S.	2013	Characterization of cholinesterases in Chironomus riparius and the effects of three herbicides on chlorpyrifos toxicity	N	N	-	-	-	-
CA 8.2.5.3 / 02 (CA 8.2.5.3 / 02 in Supple- ment)	-	-	Grade R.	1998	Acute toxicity test of CGA 77102 tech. on sediment-dwelling Chironomus riparius (syn. Chironomus thummi) under static conditions Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Basel, Switzerland, 971562 GLP not published Syngenta File No CGA77102/0430 2662754	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.5.4 / 01	IIA1 8.5 / 01	IIA 8.2.7 / 01	Ward, G.S. and Heitmuller, T.	1980	Effects of metolachlor (Dual) on develop- ing communities of benthic estuarine macroinvertebrates. EG&G Bionomics, Report N°. BP-80-6-100, 01.06.1980 Syngenta file N° CGA24705/0204 2662752	N	N	-	SYN	1998	Original EU dossier

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CA 8.2.5.4 / 02	IIA1 8.5 / 02	IIA 8.2.7 / 02	van der Kolk, J.	1997	CGA 41507 (Metabolite of CGA 77102): chronic effects on midge larvae (Chi- ronomus riparius) in a water/sediment sys- tem. Springborn (Europe) AG, Horn, Switzer- land Report N°. 97-197-1047, 17.10.1997 GLP, unpublished Syngenta file N° CGA41507/0005 2662753	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 01	IIA1 8.4 / 01	IIA 8.2.6.1 / 01	Hoberg, J.R.	1995	Metolachlor technical – 5-day toxicity to the freshwater blue-green alga Anabaena flos-aquae. Springborn Laboratories Inc., Report N°. 94-7-5383, 09.01.1995 Syngenta file N° CGA24705/2479 2662734	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 02	IIA1 8.4 / 02	IIA 8.2.6.1 / 02	Hoberg, J.R.	1995	Metolachlor technical – 5-day toxicity to the freshwater diatom, Navicula pellicu- losa, using acetone as a carrier solvent. Springborn Laboratories Inc., Report N°. 94-12-5627, 10.01.1995 Syngenta file N° CGA24705/2478 2662735	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 03	IIA1 8.4 / 03	IIA 8.2.6.1 / 03	Hoberg J.R.	1994	Metolachlor Technical – Toxicity to the marine diatom, Skeletonema costatum Novartis Crop Protection AG, Basel, Switzerland Springborn Laboratories Inc., Wareham, USA, 94-7-5382 GLP not published Syngenta File No CGA24705/2476 3159087	N	N	-	SYN	1998	Original EU dossier

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CA 8.2.6 / 04	IIA1 8.4 / 04	IIA 8.2.6.1 / 04	Hoberg J.R.	1995	Metolachlor Technical – 5-day Toxicity to the freshwater green alga, <i>Selenastrum capricornutum</i> , using acetone as a carrier solvent Novartis Crop Protection AG, Basel, Switzerland Springborn Laboratories Inc., Wareham, USA, 94-12-5621 GLP not published Syngenta File No CGA24705/2477 3159101	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 05	IIA1 8.4 / 05	IIA 8.2.6.1 / 05	Hoberg, J.R.	1995	5-Day toxicity to the freshwater green alga <i>Selenastrum capricornutum</i> . Springborn Laboratories Inc., Wareham, USA Report N°. 95-8-6031, 20.09.1995 GLP, unpublished Syngenta file N° CGA77102/0073 2662736	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 06	IIA1 8.4 / 06	IIA 8.2.6.1 / 06	Rufli H.	1985	Acute toxicity of CGA 24705 technical to algae Novartis Crop Protection AG, Basel, Switzerland Ciba-Geigy Basel, Oekotoxikologie, Basel, Switzerland, 840199 Not GLP not published Syngenta File No CGA24705/0209 3159106	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 07	IIA1 8.4 / 07	IIA 8.2.6.1 / 07	Hoberg, J.R.	1995	5-Day toxicity to the marine diatom <i>Skeletonema costatum</i> . Springborn Laboratories Inc., Wareham, USA Report N°. 95-8-6062, 22.09.1995 GLP, unpublished Syngenta file N° CGA77102/0078 2662737	N	N	-	SYN	1998	Original EU dossier

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CA 8.2.6 / 08	IIA1 8.4 / 08	IIA 8.2.6.2 / 01	Vial, A.	1991	Report on the growth inhibition test of CGA 40172 to green algae (<i>Scenedesmus subspicatus</i>). Ciba-Geigy Ltd., Basel, Switzerland Report N°. 918157, 12.08.1991 GLP, unpublished Syngenta file N° CGA40172/0003 2662738	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 09	IIA1 8.4 / 09	IIA 8.2.6.2 / 02	Vial, A.	1991	Report on the growth inhibition test of CGA 51202 to green algae (<i>Scenedes- mus subspicatus</i>). Ciba-Geigy Ltd., Basel, Switzerland Report N°. 918152, 12.08.1991 GLP, unpublished Syngenta file N° CGA51202/0022 2662739	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 10	IIA1 8.4 / 10	IIA 8.2.6.2 / 03	Grade, R.	1996	Growth inhibition test of CGA 354743 (Metabolite of CGA 24705) to green algae (<i>Selenastrum capricornutum</i>) under static conditions. Ciba-Geigy Ltd., Basel, Switzerland Report N°. 961527, 31.10.1996 GLP, unpublished Syngenta file N° CGA354743/0006 2662740	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 11	IIA1 8.4 / 11	IIA 8.2.6.2 / 04	Naudin, S.	1997	CGA 41507 (Metabolite of CGA 77102): static toxicity test with the freshwater alga <i>Pseudokirchneriella subcapitata</i> . Springborn (Europe) AG, Horn, Switzer- land Report N°. 97-189-1047, 17.09.1997 GLP, unpublished Syngenta file N° CGA41507/0004 2662741	N	N	-	SYN	1998	Original EU dossier

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CA 8.2.6 / 12	IIA1 8.4 / 12	IIA 8.2.6.2 / 05	Maetzler, P.	1997	Acute toxicity of CGA 50720 to green algae (Growth inhibition test). Novartis Services AG, Basel, Switzer- land Report N°. G 50317, 26.11.1997 GLP, unpublished Syngenta file N° CGA50720/0003 2662742	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 13	IIA1 8.4 / 13	IIA 8.2.6.2 / 06	Maetzler, P.	1997	Acute toxicity of CGA 357704 to green algae (Growth inhibition test). Novartis Services AG, Basel, Switzer- land Report N°. G 50217, 26.11.1997 GLP, unpublished Syngenta file N° CGA357704/0003 266273	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 14	IIA1 8.4 / 14	IIA 8.2.6.2 / 07	Maetzler, P.	1997	Acute toxicity of CGA 368208 to green algae (Growth inhibition test). Novartis Services AG, Basel, Switzer- land Report N°. G 50117, 26.11.1997 GLP, unpublished Syngenta file N° CGA368208/0002 2662744	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 15	IIA1 8.4 / 15	IIA 8.2.6.2 / 08	Grade, R.	1997	Growth inhibition test of CGA 50720 (metabolite to CGA 24705) to blue algae (Anabaena flos-aquae) under static con- ditions. Novartis Crop Protection AG, Basel, Switzerland Report N°. 971603, 28.11.1997 GLP, unpublished Syngenta file N° CGA50720/0006 2662745	N	N	-	SYN	1998	Original EU dossier

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CA 8.2.6 / 16	IIA1 8.4 / 16	IIA 8.2.6.2 / 09	Grade, R.	1997	Growth inhibition test of CGA 357704 (metabolite to CGA 24705) to blue algae (Anabaena flos-aquae) under static conditions. Novartis Crop Protection AG, Basel, Switzerland Report N°. 971599, 28.11.1997 GLP, unpublished Syngenta file N° CGA357704/0006 2662746	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 17	IIA1 8.4 / 17	IIA 8.2.6.2 / 10	Grade, R.	1997	Growth inhibition test of CGA 368208 (metabolite to CGA 24705) to blue algae (Anabaena flos-aquae) under static conditions. Novartis Crop Protection AG, Basel, Switzerland Report N°. 971595, 28.11.1997 GLP, unpublished Syngenta file N° CGA368208/0005 2662747	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6 / 18	IIA1 8.4 / 18	IIA 8.2.6.2 / 11	Grade, R.	1997	Growth inhibition test of CGA 354743 (metabolite to CGA 24705) to green algae (Selenastrum capricornutum) under static conditions. Novartis Crop Protection AG, Basel, Switzerland Report N°. 971645, 03.12.1997 GLP, unpublished Syngenta file N° CGA354743/0008 2662748	N	N	-	SYN	1998	Original EU dossier

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CA 8.2.6 / 19	IIA1 8.4 / 19	IIA 8.2.6.2 / 12	Maetzler, P.	1998	Toxicity of CGA 351916 (metabolite of CGA 77102) to green algae (growth inhibition test). Novartis Services AG, Basel, Switzerland Report N° G55517, 11.12.1998 GLP, not published Syngenta file No. CGA 351916/0002 2662751	N	N	-	SYN	1998	Original EU dossier
CA 8.2.6.1 / 04 (CA 8.2.6.1 / 04 in Supplement)	-	-	Hollister T.A., Ward G.S.	1980	Effects of metolachlor (DUAL) on two freshwater and five marine algae Novartis Crop Protection AG, Basel, Switzerland Eg&G Bionomics (Fl), Pensacola, USA, BP-80-4-73 Not GLP not published Syngenta File No CGA24705/0210 2771321	N	N	-	SYN	2015	Supplementary dossier
CA 8.2.6.1 / 06 (CA 8.2.6.1 / 06 in Supplement)	-	-	Memmert U.	2006	S-metolachlor (CGA77102): Toxicity to <i>Pseudokirchneriella subcapitata</i> (formerly <i>Selenastrum capricornutum</i>) in a 96-hour algal growth inhibition test, supplemented with testing for algicidal/algistatic effects Syngenta Crop Protection AG, Basel, Switzerland RCC Ltd., Itingen, Switzerland, 859258 2031753 GLP not published Syngenta File No CGA77102/0993 2725725	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.6.1 / 08 (CA 8.2.6.1 / 08 in Sup- plement)	-	-	Liedtke A.	2014	S-metolachlor – Toxicity to Pseudo- kirschneriella subcapitata in a 24-hour multiple pulse dosed algal growth inhibi- tion test Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D74806 GLP not published Syngenta File No CGA077102_11343 2771325	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.6.1 / 16 (CA 8.2.6.1 / 16 in Sup- plement)	-	-	Maetzler P.	2001	Toxicity of CGA 37735 (metabolite of CGA 24705) to green algae (Growth Inhibition Test) Syngenta Crop Protection AG, Basel, Switzerland Solvias AG, Basel, Switzerland, G 65317 GLP not published Syngenta File No CGA37735/0003 2771333	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.6.1 / 18 (CA 8.2.6.1 / 18 in Sup- plement)	-	-	Volz E.	2005	S-Metolachlor (CGA77102) Metabolite (NOA436611): Toxicity to Pseudokirch- neriella subcapitata (formerly Selenas- trum capricornutum) in a 96-hour algal growth inhibition test Syngenta Crop Protection AG, Basel, Switzerland RCC Ltd., Itingen, Switzerland, A12835 2031798 GLP not published Syngenta File No NOA436611/0004 2771335	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.6.1 / 21 (CA 8.2.6.1 / 21 in Sup- plement)	-	-	Eckenstein H.	2014	SYN542488 – Toxicity to Pseudokirch- neriella subcapitata in a 96-hour algal growth inhibition test Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D88374 GLP not published Syngenta File No SYN542488_10000 2771338	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.6.1 / 22 (CA 8.2.6.1 / 22 in Sup- plement)	-	-	Liedtke A.	2014	SYN542489 – Toxicity to Pseudokirch- neriella subcapitata in a 96-hour algal growth inhibition test Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D84594 GLP not published Syngenta File No SYN542489_10000 2771339	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.6.1 / 23 (CA 8.2.6.1 / 23 in Sup- plement)	-	-	Tobler N.	2014	SYN542491 – Toxicity to Pseudokirch- neriella subcapitata in a 96-hour algal growth inhibition test Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D88396 GLP not published Syngenta File No SYN542491_10000 2771340	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.6.1 / 24 (CA 8.2.6.1 / 24 in Sup- plement)	-	-	Eckenstein H.	2014	SYN542492 – Toxicity to Pseudokirch- neriella subcapitata in a 96-hour algal growth inhibition test Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D74885 GLP not published Syngenta File No SYN542492_10005 2771341	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.6.1 / 25 (CA 8.2.6.1 / 25 in Sup- plement)	-	-	Liedtke A.	2014	SYN542607 – Toxicity to Pseudokirch- neriella subcapitata in a 96-hour algal growth inhibition test Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D84616 GLP not published Syngenta File No SYN542607_10000 2771342	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.6.1 / 26 (CA 8.2.6.1 / 26 in Sup- plement)	-	-	Eckenstein H.	2014	SYN547977 – Toxicity to Pseudokirch- neriella subcapitata in a 96-hour algal growth inhibition test Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D88352 GLP not published Syngenta File No SYN547977_10000 2771343	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.6.1 / 27 (CA 8.2.6.1 / 27 in Sup- plement)	-	-	Grade R.	2000	Growth inhibition test of CGA 50267 (Metabolite of CGA 24705) to Green Algae (<i>Selenastrum capricornutum</i>) under static conditions Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Stein, Switzerland, 2001726 GLP not published Syngenta File No CGA50267/0002 2771344	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.6.1 / 28 (CA 8.2.6.1 / 28 in Sup- plement)	-	-	Maetzler P.	2001	Toxicity of NOA 413173 (metabolite of CGA 24705) to green algae (Growth Inhibition Test) Syngenta Crop Protection AG, Basel, Switzerland Solvias AG, Basel, Switzerland, G 65117 GLP not published Syngenta File No NOA413173/0003 2771345	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.6.2 / 05 (CA 8.2.6.2 / 05 in Sup- plement)	-	-	Desjardins D., Kendall T., Krueger H.	2004	CGA-77102 – A 96-Hour Toxicity Test with the Freshwater Alga (<i>Anabaena</i> <i>flos-aquae</i>) Syngenta Crop Protection AG, Basel, Switzerland Wildlife International Ltd., Easton MD, USA, 528A-128A 244-02 GLP not published Syngenta File No CGA77102/0836 2662750	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.6.2 / 07 (CA 8.2.6.2 / 07 in Supplement)	-	-	Desjardins D., Kendall T., Krueger H.	2003	CGA-77102: A 96-Hour Toxicity Test with the Freshwater Diatom (<i>Navicula pelliculosa</i>) Syngenta Crop Protection AG, Basel, Switzerland Wildlife International Ltd., Easton MD, USA, 243-02 528A-129 GLP not published Syngenta File No CGA77102/0702 2662749	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.6.2 / 11 (CA 8.2.6.2 / 11 in Supplement)	-	-	Grade R.	2001	Growth Inhibition Test of CGA 50267 (Metabolite of CGA 24705) to Blue Algae (<i>Anabaena flos-aquae</i>) under static conditions Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 2001813 GLP not published Syngenta File No CGA50267/0006 2771356	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.6.2 / 12 (CA 8.2.6.2 / 12 in Supplement)	-	-	Grade R.	2001	Growth Inhibition Test of NOA 413173 (Metabolite of CGA 24705) to Blue Algae (<i>Anabaena flos-aquae</i>) under Static Conditions Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 2001816 GLP not published Syngenta File No NOA413173/0005 2771357	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.6.2 / 13 (CA 8.2.6.2 / 13 in Supplement)	-	-	Cai, Wei-dan, Liu, Hui-jun & Fang, Zhi-guo	2012	Toxicity effects of Rac- and S- metolachlor to two algae, Published, Huan jing ke xue= Huanjing kexue / [bian ji, Zhongguo ke xue yuan huan jing ke xue wei yuan hui “Huan jing ke xue” bian ji wei yuan hui.], (2012 Feb) Vol. 33, No. 2, pp. 448-53 2816404	N	N	-	-	2015	Supplementary dossier
CA 8.2.6.2 / 14 (CA 8.2.6.2 / 14 in Supplement)	-	-	Deng L, Senseman S, Gentry T, Zuberer D, Weiss T, Deva- renne T and Camar- go E	2012	Effect of selected herbicides on growth and hydrocarbon content of <i>Botryococcus braunii</i> (Race B), Published, Industrial Crops and Products 39, 154– 161 2816472	N	N	-	-	2015	Supplementary dossier

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CA 8.2.6.2 / 15 (CA 8.2.6.2 / 15 in Sup- plement)	-	-	Ebenezer V and Ki J-S	2013	Quantification of Toxic Effects of the Herbicide Metolachlor on Marine Micro- algae <i>Ditylum brightwellii</i> (Bacillari- ophyceae), <i>Procentrum minimum</i> (Dinophyceae), and <i>Tetraselmis suecica</i> (Chlorophyceae), Published, Journal of Microbiology, 2013, Volume 51, No. 1, 136-139 2816478	N	N	-	-	2015	Supplementary dossier
CA 8.2.6.2 / 16 (CA 8.2.6.2 / 16 in Sup- plement)	-	-	Fiori E and Pistocchi R	2014	<i>Skeletonema marinoi</i> (Bacillariophyceae) sensitivity to herbicides and effects of temperature increase on cellular respons- es to terbuthylazine exposure, Published, Aquatic Toxicology 147, 112 – 120 2816483	N	N	-	-	2015	Supplementary dossier
CA 8.2.6.2 / 17 (CA 8.2.6.2 / 17 in Sup- plement)	-	-	Fischer BB, Roffler S an Eggen RIL	2012	Multiple Stressor Effects of Predation by Rotifers and Herbicide Pollution on Different <i>Chlamydomonas</i> Strains and Potential Impacts on Population Dynam- ics, Published, Environmental Toxicology and Chemis- try, Vol. 31, No. 12, pp. 2832–2840 2816494	N	N	-	-	2015	Supplementary dossier
CA 8.2.6.2 / 18 (CA 8.2.6.2 / 18 in Sup- plement)	-	-	Larras F., Bouchez A, Rimet F and Moutuelle B	2012	Using Bioassays and Species Sensitivity Distributions to Assess Herbicide Toxici- ty towards Benthic Diatoms, Published, PloS ONE 7(8): e44458. Doi:10.1371/journal.pone.0044458 2816541	N	N	-	-	2015	Supplementary dossier

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CA 8.2.6.2 / 19 (CA 8.2.6.2 / 19 in Supplement)	-	-	Larras F, Moutuelle B, and Bouchez A	2013	Assessment of toxicity thresholds in aquatic environments: Does benthic growth of diatoms affect their exposure and sensitivity to herbicides?, Published, Science of the Total Environment 463–464 (2013) 469–477 2816545	N	N	-	-	2015	Supplementary dossier
CA 8.2.6.2 / 20 (CA 8.2.6.2 / 20 in Supplement)	-	-	Liu H. and Xiong M.	2009	Comparative toxicity of racemic metolachlor and S-metolachlor to Chlorella pyrenoidosa, Published, Aquatic Toxicology 93 (2009) 100–106 2816568	N	N	-	-	2015	Supplementary dossier
CA 8.2.6.2 / 21 (CA 8.2.6.2 / 21 in Supplement)	-	-	Liu HJ, Cai WD, Huang RN, Xia HI and Wen YZ	2012	Enantioselective Toxicity of Metolachlor to Scenedesmus obliquus in the Presence of Cyclodextrins, Published, CHIRALITY 24:181–187 2816571	N	N	-	-	2015	Supplementary dossier
CA 8.2.6.2 / 22	-	-	Ma J, Wang S, Wang P, Ma L, Chen X & Xu R	2006	Toxicity assessment of 40 herbicides to the green alga Raphidocelis subcapitata.	N	N	-	-	-	-
CA 8.2.6.2 / 23	-	-	Pérez J., Domingues I., Soares AMVM and Loureiro S	2011	Growth rate of Pseudokirchneriella subcapitata exposed to herbicides found in surface waters in the Alqueva reservoir (Portugal): a bottom-up approach using binary mixtures, Published, Ecotoxicology 20:1167–1175 2816632	N	N	-	-	2015	Supplementary dossier

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CA 8.2.6.2 / 24	-	-	Copin, P-J, Perronet, L., Chèvre, N.	2016	Modelling the effect of exposing algae to pulses of S-metolachlor: Howto include a delay to the onset of the effect and in the recovery	N	N	-	-	-	-
CA 8.2.6.2 / 25	-	-	Sbrilli G, Bimib B, Cioni F, Pagliai L, Luchi F and Lanciot- ti E	2005	Surface and ground waters characteriza- tion in Tuscany (Italy) by using algal bioassay and pesticide determinations: comparative evaluation of the results and hazard assessment of the pesticides im- pact on primary productivity, Published, Chemosphere, 58, 571–578 2816706	N	N	-	-	2015	Supplementary dossier
CA 8.2.6.2 / 26	-	-	Spoljaric D, Cipak A, Horvatic J, Andri- sic L, Waeg G, Zarkovic N, Jaganjact M	2011	Endogenous 4-hydroxy-2-nonenal in microalga Chlorella kessleri acts as a bioactive indicator of pollution with common herbicides and growth regulat- ing factor of hormesis	N	N	-	-	-	-
CA 8.2.6.2 / 27	-	-	Thakkar M., Randhawa V. and Wei L.	2013	Comparative responses of two species of marine phytoplankton to metolachlor exposure, Published, Aquatic Toxicology 126 198–206 2816710	N	N	-	-	2015	Supplementary dossier
CA 8.2.6.2 / 28	-	-	Vallotton N, Moser D, Eggen RIL, Junghans M, Chèvre N.	2008	S-metolachlor pulse exposure on the alga Scenedesmus vacuolatus: Effects during exposure and the subsequent recovery, Published, Chemosphere 73, 395–400 2816715	N	N	-	-	2015	Supplementary dossier

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CA 8.2.7 / 01	IIA1 8.6 / 01	IIA 8.2.8 / 01	Hoberg J.R.	1995	Metolachlor Technical – Toxicity to duckweed (Lemna gibba) Novartis Crop Protection AG, Basel, Switzerland Springborn Laboratories Inc., Wareham, USA, 94-8-5404 GLP not published Syngenta File No CGA24705/2480 3159136	N	N	-	SYN	1998	Original EU dossier
CA 8.2.7 / 02	IIA1 8.6 / 02	IIA 8.2.8 / 02	Hoberg, J.R.	1995	CGA 77102 – Toxicity to duckweed (Lemna gibba). Springborn Laboratories Inc., Report N°. 95-8-6068, 28.09.1995 Syngenta file N° CGA77102/0077 2662755	N	N	-	SYN	1998	Original EU dossier
CA 8.2.7 / 05 (CA 8.2.7 / 03 in Supplement)	-	-	Knauer K.	2003	Growth Inhibition test of CGA77102 tech. to the Duckweed Lemna gibba G3 under static conditions after short pulse exposure Syngenta Crop Protection AG, Basel, Switzerland Syngenta Crop Protection AG, Basel, Switzerland, 2001883 GLP not published Syngenta File No CGA77102/0679 2771360	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.7 / 06 (CA 8.2.7 / 04 in Supplement)	-	-	Teixeira D.	2006	Amendment – The Toxicity of S-Metolachlor to Myriophyllum heterophyllum during a 7-Day Exposure Followed by a 14-Day Recovery Period Syngenta Springborn Smithers Laboratories, Wareham, USA, 1781.6639, T017385-04 GLP not published Syngenta File No CGA77102/1034 2739984	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.7 / 08 (CA 8.2.7 / 06 in Supplement)	-	-	Teixeira D.	2006	S-Metolachlor – The Toxicity of S-Metolachlor to Elodea canadensis during a 7-Day Exposure Followed by a 14-Day Recovery Period Syngenta Crop Protection AG, Basel, Switzerland Springborn Smithers Laboratories, Wareham, USA, 1781.6638, T000250-02 GLP not published Syngenta File No CGA77102/1048 2739982	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.7 / 10 (CA 8.2.7 / 08 in Supplement)	-	-	Eckenstein H.	2014	S-metolachlor – Toxicity to the aquatic higher plant Lemna gibba in a 7-day growth inhibition test supplemented with testing for recovery of growth Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D67101 GLP not published Syngenta File No CGA077102_11197 2739986	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.2.7 / 11 (CA 8.2.7 / 09 in Sup- plement)	-	-	Boeri R, Magazu J, Ward T	1997	Acute Toxicity of CGA 51202 to the Duckweed, Lemna gibba G3 Novartis Crop Protection Inc., Greensbo- ro, USA T.R. Wilbury Laboratories Inc., Massa- chusetts, USA, 1233-NO, 231-97 GLP not published Syngenta File No CGA51202/0046 2662757	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.7 / 13 (CA 8.2.7 / 11 in Sup- plement)	-	-	Ward T J, Magazu J P, Boeri R L	1999	Toxicity of CGA-354743 to the Duck- weed, Lemna gibba G3 Novartis Crop Protection Inc., Greensbo- ro, USA T.R. Wilbury Laboratories Inc., Massa- chusetts, USA, 1688-NO, 1145-98 GLP not published Syngenta File No CGA354743/0028 2662756	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.2.8 / 01	IIA1 8.6 / 03	IIA 8.2.9 / 01	Huber, W.	1995	Effects of metolachlor in aquatic outdoor microcosms. Technical University Munich- Weihenstephan, Institut for Landscape and Botany, Report, 12.04.1995 Syngenta file N° CGA24705/0260 3159150	N	N	-	SYN	1998	Original EU dossier

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CA 8.2.8 / 02	IIA1 8.6 / 04	IIA 8.2.9 / 02	Gonzalez-Valero, J.F.	1998	Assessment of the potential effects of CGA 24'705 (Metolachlor, Dual 960 EC, A-5890 H) on aquatic ecosystems as measured in outdoor aquatic mesocosms (20 m³ ponds). Novartis Crop Protection AG, Basle, CH Report N°. 94GJ03, 26.09.1998 Syngenta file N° CGA24705/2721 2662759	N	N	-	SYN	1998	Original EU dossier
CA 8.2.8			ETTL, H., GER-LOFF, J., HEYNIG, H., MOLLENHAUER, D.	1986	Freshwaterflora of Central Europe, volume 9-19, , Gustav-Fischer-Verlag, Stuttgart, Germany.	N	N		LIT	2018	Supplementary dossier
CA 8.2.8			HUBER-PESTALOZZI, G.	1955	The freshwater phytoplankton, Schweizerbart'sche Verlagsbuchhandlung, Stuttgart, Germany.	N	N		LIT	2018	Supplementary dossier
CA 8.2.8			SEBER, G.A.F. & WILD, C.J.	1989	Linear Regression, Jon Wiley & Sons, Inc.	N	N		LIT	2018	Supplementary dossier
CA 8.3.1 / 01	IIA1 8.7 / 01	IIA 8.3.1 / 01	Candolfi, M.P.	1997	CGA 77102: Laboratory oral and contact test with the honeybee, Apis mellifera, based on the EPPO Guideline 170 (1992), Springborn Laboratories (Europe) AG, Report N°. 97-137-1008, 03.02.1997 Syngenta file N° CGA77102/0246	N	N	-	SYN	1998	Original EU dossier
CA 8.3.1.2 / 01 (CA 8.3.1.2 / 01 in Supplement)	-	-	Kling A.	2014	S-metolachlor EC (A9396G) - Assessment of Chronic Effects to the Honeybee, Apis mellifera L., in a 10 Days Continuous Laboratory Feeding Test Syngenta Eurofins Agrosience Services EcoChem GmbH, N-Osch., Germany, S13-02964 GLP not published Syngenta File No A9396G_11198	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.3.1.3 / 01 (CA 8.3.1.3 / 01 in Supplement)	-	-	Klank C.	2014	S-Metolachlor EC (A9396G) - Chronic Larval Toxicity Test on the Honey bee (<i>Apis mellifera</i> L.) in the Laboratory Syngenta Eurofins Agrosience Services EcoChem GmbH, N-Osch., Germany, S13-04404 GLP not published Syngenta File No A9396G_11262	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.3.2 / 01	IIA1 8.8 / 01	IIA 8.3.2 / 01	Reber, B.	1996	Acute toxicity test of CGA 77102 EC 960 (A-9396 B) on the predatory ground beetle <i>Poecilus cupreus</i> L. Ciba-Geigy Ltd., Basle, CH Report N°. 961609, 15.10.1996 Syngenta file N° CGA77102/0157	N	N	-	SYN	1998	Original EU dossier
CA 8.3.2 / 02	IIA1 8.8 / 02	IIA 8.3.2 / 02	Wesiak, H. and Ch. Neumann	1996	Acute toxicity test of CGA 77102 EC 960 (A-9396 B) on the parasitic wasp <i>Aphidius Viereck</i> (Hymenoptera: Aphidiidae). Ciba-Geigy Ltd., Basle, CH Report N°. 961612, 28.10.1996 Syngenta file N° CGA77102/0169	N	N	-	SYN	1998	Original EU dossier
CA 8.3.2 / 03	IIA1 8.8 / 03	IIA 8.3.2 / 03	Wesiak, H. and Ch. Neumann	1996	Acute toxicity test of CGA 77102 EC 960 (A-9396 B) on the aphid predator <i>Orius laevigatus</i> Fieber. Ciba-Geigy Ltd., Basle, CH Report N°. 961610, 29.10.1996 Syngenta file N° CGA77102/0168	N	N	-	SYN	1998	Original EU dossier
CA 8.3.2 / 04	IIA1 8.8 / 04	IIA 8.3.2 / 04	Candolfi, M.P.	1997	CGA 77102, EC 960 (A-9396): Laboratory toxicity test with the rove beetle, <i>Aleochara bilineata</i> Gyllenhal (Coleoptera: Staphylinidae), based on the IOBC approved method of Moreth and Naton (1992). Springborn Laboratories (Europe) AG, Report N°. 96-148-1008, Syngenta file N°CGA77102/0235	N	N	-	SYN	1998	Original EU dossier

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CA 8.3.2 / 05	IIA1 8.8 / 05	IIA 8.3.2 / 05	Engelhard, E.K.	1998	CGA 77102 EC 960 (A-9396 B): labora- tory contact toxicity test with the pred- acious mite, <i>Typhlodromus pyri</i> Scheuten (Acari: Phytoseiidae) based on the method of Overmeer (1988). Springborn (Europe) AG, Horn, Switzer- land Report N°. 97-218-1047, 13.01.1998 GLP, unpublished Syngenta file N° CGA77102/0394	N	N	-	SYN	1998	Original EU dossier
CA 8.3.2 / 05	IIA1 8.8 / 05	IIA 8.3.2 / 06	Candolfi, M.P.	1998	Toxicity of CGA 77102 EC 960 (A-9396 B) to the parasitic wasp <i>Aphidius</i> <i>rhopalosiphii</i> under extended laboratory conditions. Novartis Crop Protection AG, Basel, CH Report No. 981663, 25.08.1998 GLP, not published Syngenta file N°CGA77102/0441	N	N	-	SYN	1998	Original EU dossier
CA 8.3.2 / 06	IIA1 8.8 / 06	IIA 8.3.2 / 07	Candolfi, M.P.	1998	Toxicity of CGA 77102 EC 960 (A-9396 B) to the predacious mite <i>Typhlodromus</i> <i>pyri</i> Scheuten under extended laboratory conditions. Novartis Crop Protection AG, Basel, CH Report No. 981690, 18.09.1998 GLP, not published Syngenta file N°CGA77102/0443	N	N	-	SYN	1998	Original EU dossier
CA 8.3.2 / 07	IIA1 8.8 / 07	IIA 8.3.2 / 08	Candolfi, M.P.	1998	Toxicity of CGA 77102 EC 960 (A-9396 B) to the predator <i>Orius laevigatus</i> Fiber under extended laboratory conditions. Novartis Crop Protection AG, Basel, CH Report No. 981664, 21.09.1998 GLP, not published Syngenta file N°CGA77102/0444	N	N	-	SYN	1998	Original EU dossier

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CA 8.3.2 / 08	-	-	Carmo EL, Bueno AF and Bueno RCOF	2010	Pesticide selectivity for the insect egg parasitoid <i>Telenomus remus</i> , Published, BioControl 55:455–464 2816724	N	N	-	-	2015	Supplementary dossier
CA 8.3.2 / 09	-	-	Zhan X-m, Liu H-j, Miao Y-g & Liu W-p	2006	A comparative study of rac- and S-metolachlor on some activities and metabolism of silkworm, <i>Bombix mori</i> L.	N	N	-	-	-	-
CA 8.3.2 / 10	-	-	Xu H-Q, Xue M, Zhao H-P, Ma X-D & Liu Y-Y	2013	Analysis and evaluation of eight herbicides toxicity and sensitivity against <i>Trichogramma</i> spp.	N	N	-	-	-	-
CA 8.4 / 01	IIA1 8.9 / 01	IIA 8.4	Hertl, J.	1998	Acute toxicity (14 days) of CGA 51202 to the earthworm <i>Eisenia fetida</i> (Savigny 1826) in artificial soil. IBACON GmbH, Rossdorf, Germany Report N°. 3440021, 15.06.1998 GLP, unpublished Syngenta file N° CGA51202/0033 2662769	N	N	-	SYN	1998	Original EU dossier
CA 8.4 / 02	IIA1 8.9 / 02	IIA 8.4.1.1	Rufli, H.	1996	Acute toxicity test of CGA 77102 tech. to the earthworm (<i>Eisenia foetida</i>). Ciba-Geigy Ltd., Basel, Switzerland Report N°. 961570, 23.10.1996 GLP, unpublished Syngenta file N° CGA77102/0174 2662770	N	N	-	SYN	1998	Original EU dossier
CA 8.4 / 03	IIA1 8.9 / 03	IIA 8.4.1.2 / 01	Candolfi, M.P.	1997	CGA 354743: 14-day acute toxicity test with the earth-worm (<i>Eisenia foetida</i>) based on OECD Guideline # 207. Springborn (Europe) AG, Horn, Switzerland Report N°. 97-162-1008, 03.02.1997 GLP, unpublished Syngenta file N° CGA354743/0007 2662771	N	N	-	SYN	1998	Original EU dossier

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CA 8.4 / 04	IIA1 8.9 / 04	IIA 8.4.1.2 / 02	Kleiner R.	1998	Acute toxicity test earthworm – Eisenia fetida CGA 357704 Novartis Crop Protection AG, Basel, Switzerland BioChem GmbH, Cunnernsdorf, Germa- ny, 9810 48 090 GLP not published Syngenta File No CGA357704/0008 3159172	N	N	-	SYN	1998	Original EU dossier
CA 8.4 / 05 (CA 8.4/ 01 in Supple- ment)	-	-	van Erp Y.H.M.	2000	Acute toxicity study in the earthworm with CGA 50720 Novartis Crop Protection AG, Basel, Switzerland NOTOX B.V., Hertogenbosch, Nether- lands, 292174 GLP not published Syngenta File No CGA50720/0009 2771373	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4 / 06 (CA 8.4/ 02 in Supple- ment)	-	-	Stacey D.	2006	CGA50720: Acute toxicity of a metabo- lite of CGA77102 to the earthworm Eisenia fetida (Savigny) (Lumbricidae) Syngenta Crop Protection AG, Basel, Switzerland Syngenta – Jealott's Hill International, Bracknell, Berkshire, United Kingdom, T001150-05-REG 2031848 GLP not published Syngenta File No CGA50720/0019 2771374	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.4 / 07 (CA 8.4/ 03 in Supplement)	-	-	Stacey D.	2006	NOA436611: Acute toxicity of a metabolite of CGA77102 to the earthworm <i>Eisenia fetida</i> (Savigny) (Lumbricidae) Syngenta Crop Protection AG, Basel, Switzerland Syngenta – Jealott's Hill International, Bracknell, Berkshire, United Kingdom, T001149-05-REG 2031847 GLP not published Syngenta File No NOA436611/0007 2771375	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4 / 08 (CA 8.4/ 04 in Supplement)	-	-	Stacey D.	2006	CGA50267: Acute toxicity of a metabolite of CGA77102 to the earthworm <i>Eisenia fetida</i> (Savigny) (Lumbricidae) Syngenta Crop Protection AG, Basel, Switzerland Syngenta – Jealott's Hill International, Bracknell, Berkshire, United Kingdom, T001156-05-REG 2031849 GLP not published Syngenta File No CGA50267/0013 2771376	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.4 / 09 (CA 8.4/ 05 in Supplement)	-	-	Stacey D.	2006	NOA413173: Acute toxicity of a metabolite of CGA77102 to the earthworm <i>Eisenia fetida</i> Syngenta Crop Protection AG, Basel, Switzerland Syngenta – Jealott's Hill International, Bracknell, Berkshire, United Kingdom, T001147-05-REG 2031846 GLP not published Syngenta File No NOA413173/0013 2771377	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4 /10	-	-	Aly M.A.S. & Schröder P.	2008	Effects of herbicides on glutathione transferases in the earthworm <i>Eisenia fetida</i>	N	N	-	-	-	-
CA 8.4.1 / 01	IIA1 8.9 / 05	IIA 8.4.2 / 01	Gossmann A.	1997	Effects of CGA 77102 EC960 (A-9396 B) on reproduction and growth of earthworms <i>Eisenia fetida</i> (Savigny 1826) in artificial soil Novartis Crop Protection AG, Basel, Switzerland IBACON GmbH, Rossdorf, Germany, 2200022 GLP not published Syngenta File No CGA77102/0248 3159174	N	N	-	SYN	1998	Original EU dossier

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KCA 8.4.1 / 01	-	-	Friedrich S.	2014	S-metolachlor (A9396B) - effects on reproduction and growth of Earthworms <i>Eisenia fetida</i> (Savigny 1826) in artificial soil Syngenta BioChem Agrar, Gerichshain, Germany, 13 10 48 503/2 S Not GLP not published Syngenta File No A9396B_10194 2771378	N	N		SYN	2015	Supplementary dossier
CA 8.4.1 / 03 (CA 8.4.1/ 02 in Sup- plement)	-	-	Muther J.	2004	S-Metolachlor: Sublethal Toxicity of a 960 g a.i./L formulation (A9396C) to the Earthworm <i>Eisenia andrei</i> in Artificial Soil Syngenta Crop Protection AG, Basel, Switzerland GAB Biotechnologie GmbH, Niefern, Germany, 20041060/01-NREf 2031651 GLP not published Syngenta File No CGA77102/0853 2771379	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
KCA 8.4.1 / 01	-	-	Friedrich S.	2014	S-metolachlor (A9396C) - Sublethal toxicity of a 960 g ai/L formulation to the earthworm <i>Eisenia fetida andrei</i> in artifi- cial soil Syngenta BioChem Agrar, Gerichshain, Germany, 13 10 48 503/1 S Not GLP not published Syngenta File No A9396C_10062 2771380	N	N		SYN	2015	Supplementary dossier

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CA 8.4.1 / 05 (CA 8.4.1/ 04 in Supplement)	-	-	Friedrich S.	2014	CGA354743 – Sublethal toxicity to the earthworm <i>Eisenia fetida</i> in artificial soil with 5% peat Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 025 S GLP not published Syngenta File No CGA354743_10006 2771381	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.1 / 06 (CA 8.4.1/ 05 in Supplement)	-	-	Friedrich S.	2014	CGA51202 – Sublethal toxicity to the earthworm <i>Eisenia fetida</i> in artificial soil with 5% peat Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 023 S GLP not published Syngenta File No CGA051202_10009 2771382	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.1 / 07 (CA 8.4.1/ 06 in Supplement)	-	-	Friedrich S.	2014	CGA368208 – Sublethal toxicity to the earthworm <i>Eisenia fetida</i> in artificial soil with 5% peat Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 138 S GLP not published Syngenta File No CGA368208_10004 2771383	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.4.1 / 08 (CA 8.4.1/ 07 in Sup- plement)	-	-	Friedrich S.	2014	CGA40172 – Sublethal toxicity to the earthworm <i>Eisenia fetida</i> in artificial soil with 5% peat Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 141 S GLP not published Syngenta File No CGA040172_10000 2771384	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.1 / 09 (CA 8.4.1/ 08 in Sup- plement)	-	-	Friedrich S.	2014	CGA50720 – Sublethal toxicity to the earthworm <i>Eisenia fetida</i> in artificial soil with 5% peat Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 140 S GLP not published Syngenta File No CGA050720_10006 2771385	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.1 / 10 (CA 8.4.1/ 09 in Sup- plement)	-	-	Friedrich S.	2014	CGA37735 – Sublethal toxicity to the earthworm <i>Eisenia fetida</i> in artificial soil with 5% peat Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 139 S GLP not published Syngenta File No CGA037735_10007 2771386	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.4.1 / 11 (CA 8.4.1/ 10 in Sup- plement)	-	-	Friedrich S.	2014	NOA436611 – Sublethal toxicity to the earthworm <i>Eisenia fetida</i> in artificial soil with 5% peat Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 024 S GLP not published Syngenta File No NOA436611_10006 2771387	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.1 / 12	-	-	Stepić S, Hacken- berger BK, Velki M, Hackenberger DK & Lončarić Ž.	2013	Potential effect of metolachlor on toxicity of organochlorine and organo- phosphate insecticides in earthworm <i>Eisenia andrei</i> .	N	N	-	-	-	-
CA 8.4.2 / 01	-	-	Park E-K & Lees EM	2005	Application of an artificial sea salt solu- tion to determine acute toxicity of herbi- cides to <i>Proisotoma minuta</i> (Collembola).	N	N	-	-	-	-
CA 8.4.2.1 / 01 (CA 8.4.2.1/ 01 in Sup- plement)	-	-	McCormac A.	2013	S-metolachlor EC (A9396G) - A la- boratory test to determine the effects of fresh residues on the springtail <i>Folsomia candida</i> (Collembola, Isotomidae) Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-12-55 GLP not published Syngenta File No A9396G_10709 2771388	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.4.2.1 / 02 (CA 8.4.2.1/ 02 in Sup- plement)	-	-	Vinall S.	2013	S-metolachlor EC (A9396G) - A labora- tory test to determine the effects of fresh residues on the predatory mite Hypoaspis aculeifer (Acari, Laelapidae) Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-12-56 GLP not published Syngenta File No A9396G_10701 2771389	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.2.1 / 03 (CA 8.4.2.1/ 03 in Sup- plement)	-	-	McCormac A.	2014	CGA354743 - A laboratory study to determine the effects of fresh residues on the springtail Folsomia candida (Collem- bola, Isotomidae) Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-14-69 GLP not published Syngenta File No CGA354743_10008 2771390	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.2.1 / 04 (CA 8.4.2.1/ 04 in Sup- plement)	-	-	McCormac A.	2014	CGA51202 - A laboratory study to de- termine the effects of fresh residues on the springtail Folsomia candida (Collem- bola, Isotomidae) Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-14-67 GLP not published Syngenta File No CGA051202_10011 2771391	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.4.2.1 / 05 (CA 8.4.2.1/ 05 in Supplement)	-	-	Friedrich S.	2014	CGA368208 - Effects on the Reproduction of the Collembolan Folsomia candida Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 207 S GLP not published Syngenta File No CGA368208_10017 2771392	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.2.1 / 06 (CA 8.4.2.1/ 06 in Supplement)	-	-	Friedrich S.	2014	CGA40172 - Effects on the Reproduction of the Collembolan Folsomia candida Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 209 S GLP not published Syngenta File No CGA040172_10002 2771393	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.2.1 / 07 (CA 8.4.2.1/ 07 in Supplement)	-	-	Friedrich S.	2014	CGA50720 - Effects on the Reproduction of the Collembolan Folsomia candida Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 211 S GLP not published Syngenta File No CGA050720_10011 2771394	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.4.2.1 / 08 (CA 8.4.2.1/ 08 in Sup- plement)	-	-	McCormac A.	2014	CGA37735 - A laboratory study to de- termine the effects of fresh residues on the springtail Folsomia candida (Collem- bola, Isotomidae) Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-14-73 GLP not published Syngenta File No CGA037735_10009 2771395	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.2.1 / 09 (CA 8.4.2.1/ 09 in Sup- plement)	-	-	McCormac A.	2014	NOA436611 - A laboratory study to determine the effects of fresh residues on the springtail Folsomia candida (Collem- bola, Isotomidae) Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-14-71 GLP not published Syngenta File No NOA436611_10012 2771396	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.2.1 / 10 (CA 8.4.2.1/ 10 in Sup- plement)	-	-	Vinall S.	2014	CGA354743 - A laboratory study to determine the effects of fresh residues on the predatory mite Hypoaspis aculeifer (Acari, Laelapidae) Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-14-68 GLP not published Syngenta File No CGA354743_10010 2771397	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.4.2.1 / 11 (CA 8.4.2.1/ 11 in Supplement)	-	-	Vinall S.	2014	CGA51202 - A laboratory test to determine the effects of fresh residues on the predatory mite <i>Hypoaspis aculeifer</i> (Acari, Laelapidae) Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-14-66 GLP not published Syngenta File No CGA051202_10013 2771398	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.2.1 / 12 (CA 8.4.2.1/ 12 in Supplement)	-	-	Schulz L.	2014	CGA368208 - Effects on the Reproduction of the Predatory Mite <i>Hypoaspis aculeifer</i> Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 206 S GLP not published Syngenta File No CGA368208_10018 2771399	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.2.1 / 13 (CA 8.4.2.1/ 13 in Supplement)	-	-	Schulz L.	2014	CGA40172 - Effects on the Reproduction of the Predatory Mite <i>Hypoaspis aculeifer</i> Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 208 S GLP not published Syngenta File No CGA040172_10004 2771400	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier

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CA 8.4.2.1 / 14 (CA 8.4.2.1/ 14 in Sup- plement)	-	-	Schulz L.	2014	CGA50720 - Effects on the Reproduc- tion of the Predatory Mite Hypoaspis aculeifer Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 210 S GLP not published Syngenta File No CGA050720_10010 2771401	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.2.1 / 15 (CA 8.4.2.1/ 15 in Sup- plement)	-	-	Vinall S.	2014	CGA37735 - A laboratory test to deter- mine the effects of fresh residues on the predatory mite Hypoaspis aculeifer (Aca- ri, Laelapidae) Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-14-72 GLP not published Syngenta File No CGA037735_10011 2771402	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.4.2.1 / 16 (CA 8.4.2.1/ 16 in Sup- plement)	-	-	Vinall S.	2014	NOA436611 - A laboratory test to de- termine the effects of fresh residues on the predatory mite Hypoaspis aculeifer (Acari, Laelapidae) Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-14-70 GLP not published Syngenta File No NOA436611_10010 2771403	N	Y	New data; eligible for data protection according to SANCO/12576/2012	-	2015	Supplementary dossier

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CA 8.4.2.1 / 17 (CA 8.4.2.1/ 17 in Sup- plement)	-	-	Kondras M., Czępińska-Kamińska D., Karczewska J. and Wojewoda K	2011	The influence of two pesticides in soils on selected plants and earthworms, Published, Roczniki Gleboznawcze, LXII, 2: 219- 225 2816728	N	N	-	-	2015	Supplementary dossier
CA 8.4.2.1 / 18 (CA 8.4.2.1/ 18 in Sup- plement)	-	-	Wang Y, Wu S, Chen L, Wu C, Yu R, Wang Q and Zhao X	2012	Toxicity assessment of 45 pesticides to the epigeic earthworm Eisenia fetida, Published, Chemosphere 88, 484-491 2816730	N	N	-	-	2015	Supplementary dossier
CA 8.4.2.1 / 19 (CA 8.4.2.1/ 19 in Sup- plement)	-	-	Xu D., Wen Y. and Wang K	2010	Effect of chiral differences of metolachlor and its (S)-isomer on their toxicity to earthworms, Published, Ecotoxicology and Environmental Safety 73: 1925-1931. 2816733	N	N	-	-	2015	Supplementary dossier
CA 8.5 / 01	IIA1 8.10 / 01	IIA 8.5 / 01	Grade, R.	1996	The effect of CGA 77102 tech. on soil respiration and nitrification. Ciba-Geigy Ltd., Basle, CH Report N°. 961569, 26.11.1996 Syngenta file N° CGA77102/0203 2662772	N	N	-	SYN	1998	Original EU dossier
CA 8.5 / 02	IIA1 8.10 / 02	IIA 8.5 / 02	Grade R.	1999	The effect of CGA 77102 tech. on soil respiration and nitrification Novartis Crop Protection AG, Basel, Switzerland Novartis Crop Protection AG, Basel, Switzerland, 981800 GLP not published Syngenta File No CGA77102/0447 2739977	N	N	-	SYN	1998	Original EU dossier

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CA 8.5 / 03 (CA 8.5/ 01 in Supple- ment)	-	-	Seyfried B.	2000	The effects of a mixture of 5 metabolites of CGA 77102 on soil respiration and nitrification Novartis Crop Protection AG, Basel, Switzerland RCC Ltd., Itingen, Switzerland, 778353 GLP not published Syngenta File No CGA77102/0577 2662773	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.5 / 04 (CA 8.5/ 02 in Supple- ment)	-	-	Hutcheson K.	2014	NOA436611/CGA40172/CGA37735 - Effect on soil microbial activity, carbon and nitrogen transformations Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-6584 GLP not published Syngenta File No NOA436611_10016 2771405	N	Y	New data; eligible for data protection according to SANCO/12576/2012	SYN	2015	Supplementary dossier
CA 8.5 / 05	-	-	Joly P, Besse-Hogan P, Bonnemoy F, Batisson I, Bohatier J & Mallet C	2012	Impact of maize formulated herbicides mesotrione and S-metolachlor, applied alone and in mixture, on soil microbial communities.	N	N	-	-	-	-
CA 8.5 / 06	-	-	Lipsa FD, Ulea E, Chiriac IP & Coroi IG	2010	Effect of herbicide S-metolachlor on soil microorganisms.	N	N	-	-	-	-
CA 8.5 / 07	-	-	Joly P, Bonnemoy F, Charvy J-C, Bohatier J & Mallet C	2013	Toxicity assessment of the maize herbi- cides S-metolachlor, benoxacor, mesotri- one and nicosulfuron, and their corre- sponding commercial formulations, alone and in mixtures, using the Microtox® test.	N	N	-	-	-	-

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CA 8.5 / 08	-	-	Joly P, Misson B, Perrière F Bonne-moy F, Joly M, Donnadieu-Bernard F, Aguer J-P, Bohatier J & Mallet C	2014	Soil surface colonization by phototrophic indigenous organisms, in two contrasted soils treated by formulated maize herbicide mixtures	N	N	-	-	-	-
CA 8.5 / 09	-	-	Kos K & Celar FA	2012	Sensitivity of the entomopathogenic fungus <i>Beauveria bassiana</i> (Bals.-Criv.) Vuill. To selected herbicides.	N	N	-	-	-	-
CA 8.5 / 10	-	-	Vodovnik M, Bistan M, Zorec M & Logar RM	2012	Membrane changes associated with exposure of <i>Pseudomonas putida</i> to selected environmental pollutants and their possible roles in toxicity.	N	N	-	-	-	-
CA 8.6.1 / 01	IIA1 8.12 / 01	IIA 8.6 / 01	Rüegg, W.	1997	Pre-emergent herbicidal activity of CGA 24705 / CGA 77102 soil metabolites. Novartis Crop Protection AG, Basel, Switzerland 21.07.1997 GEP, unpublished Syngenta file N° CGA24705/2712 2662775	N	N	-	SYN	1998	Original EU dossier
CA 8.6.1 / 02	IIA1 8.12 / 02	IIA 8.6 / 02	Schwab, D.	1997	Evaluating the effects of CGA 51202 on the emergence and vegetative vigor of non-target terrestrial plants. ABC Laboratories, Inc., Columbia, USA Report N°. 43901, 13.11.1997 GLP, unpublished Syngenta file N° CGA51202/0032 2662776	N	N	-	SYN	1998	Original EU dossier
CA 8.6.1 / 03	IIA1 8.12 / 03	IIA 8.6 / 03	Schwab, D.	1997	Evaluating the effects of CGA 354743 on the emergence and vegetative vigor of non-target terrestrial plants. ABC Laboratories, Inc., Columbia, USA Report N°. 43900, 13.11.1997 GLP, unpublished Syngenta file N° CGA354743/0010 2662777	N	N	-	SYN	1998	Original EU dossier

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CA 8.6.1 / 04	IIA1 8.12 / 06	IIA 8.6 / 06	Rüegg, W.	1997	Pre-emergent activity of CGA 24705 metabolites. Novartis Crop Protection AG, Stein, CH 26.03.1997 Syngenta file N° CGA24705/2659 2662774	N	N	-	SYN	1998	Original EU dossier
CA 8.6.1 / 07	IIA1 8.12 / 07	IIA 8.6 / 07	Cordingley	2005	Evaluation of S-metolachlor metabolites for herbicidal activity Syngenta Crop Protection AG, Basel, Switzerland Syngenta - Jealott's Hill International, Bracknell, Berkshire, United Kingdom, W1A/01/2005/2100 Not GLP not published Syngenta File No CGA77102/1038 2771406	N	Y	New data; eligible for data protection according to SANCO/12576/2012	-	2015	Supplementary dossier
CA 8.6.1 / 08	IIA1 8.12 / 08	IIA 8.6 / 08	Corbin, J.	2014	S-metolachlor - Pre-emergence Biologi- cal Activity of Seven S-metolachlor Metabolites Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, GBJH2H3232014 Not GLP not published Syngenta File No CGA077102_11252 2771407	N	Y	New data; eligible for data protection according to SANCO/12576/2012	-	2015	Supplementary dossier
CA 8.6.1 / 09	IIA1 8.12 / 09	IIA 8.6 / 09	Dupen, N.	2014	S-metolachlor - Pre-emergence Biologi- cal Activity of Two S-metolachlor Me- tabolites Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, GBJH2H3062014 Not GLP not published Syngenta File No CGA077102_11253 2771408	N	Y	New data; eligible for data protection according to SANCO/12576/2012	-	2015	Supplementary dossier

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CA 8.6.1 / 10	IIA1 8.12 / 10	IIA 8.6 / 10	Dupen, N.	2017	S-metolachlor - Pre-emergence Biological Activity of S-metolachlor Metabolites Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, GBJH2H3082017 Not GLP not published Syngenta file No. CGA077102_11522	N	Y	New data; eligible for data protection according to SANCO/12576/2012	-	2015	Supplementary dossier
CA 8.6.2 / 01	IIA1 8.12 / 04	IIA 8.6 / 04	Chetram, R.S. and Schuster L.L.	1995	Tier 2- Seedling emergence nontarget phytotoxicity study using CGA 77102. ABC Laboratories Inc., Columbia, USA Report N°. 95481, 03.10.1995 GLP, unpublished Syngenta file N° CGA77102/0075 2662778	N	N	-	SYN	1998	Original EU dossier
CA 8.6.2 / 02	IIA1 8.12 / 05	IIA 8.6 / 05	Chetram, R.S. and Schuster L.L.	1995	Tier 2- Vegetative vigor nontarget phytotoxicity study using CGA 77102. ABC Laboratories Inc., Columbia, USA Report N°. 95482, 03.10.1995 GLP, unpublished Syngenta file N° CGA77102/0079 2662779	N	N	-	SYN	1998	Original EU dossier
CA 8.6.2 / 03	-	-	Bollman SL, Sprague CL	2008	Tolerance of 12 sugarbeet varieties to applications of s-Metolachlor and dime-thenamid-P.	N	N	-	-	-	-
CA 8.6.2 / 04 (CA 8.6.2/ 01 in Supplement)	-	-	Boutin C, Elmegaard N and Kjær C.	2004	Toxicity Testing of Fifteen Non-crop Plant Species with Six Herbicides in a Greenhouse Experiment: Implications for Risk Assessment, Published, Ecotoxicology, no. 13, 349-369 2816734	N	N	-	-	2015	Supplementary dossier

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CA 8.6.2 / 05	-	-	De Marez T, Merchant E, Goossens V & Bulcke R	2007	Effect of selected sugar beet herbicides on germination of various <i>Chenopodium album</i> populations	N	N	-	-	-	-
CA 8.6.2 / 06	-	-	Neugebauerová J & Petříková K	2004	Possibilities of pre-emergence and post-emergence herbicide applications in <i>Prunella vulgaris</i> L. growth.	N	N	-	-	-	-
CA 8.6.2 / 07	-	-	Norsworthy JK, Smith JP & Meister C	2007	Tolerance of direct seeded green onions to herbicides applied before or after crop emergence.	N	N	-	-	-	-
CA 8.6.2 / 08	-	-	Samtani JB, Masiunas JB & Appleby JE	2010	White oak and northern red oak leaf injury from exposure to chloroacetanilide herbicides.	N	N	-	-	-	-
CA 8.6.2 / 09	-	-	Samtani JB, Masiunas JB & Appleby JE	2008	Injury on white oak seedlings from herbicide exposure simulating drift	N	N	-	-	-	-
CA 8.6.2 / 10	-	-	Sikkema PH, Soltani N, Shropshire C & Robinson DE	2006	Response of adzuki bean to pre-emergence herbicides.	N	N	-	-	-	-
CA 8.6.2 / 11	-	-	Sikkema PH, Shropshire C & Soltani N	2009	Response of dry bean to pre-plant incorporated and pre-emergence applications of S-metolachlor and fomesafen	N	N	-	-	-	-
CA 8.6.2 / 12	-	-	Soltani N, Shropshire C, Cowan T & Sikkema P	2004	White bean sensitivity to preemergence herbicides	N	N	-	-	-	-
CA 8.6.2 / 13	-	-	Tharp BE & Kells JJ	2000	Effect of soil-applied herbicides on establishment of cover crop species.	N	N	-	-	-	-
CA 8.6.2 / 14	-	-	Xie F, Liu HJ & Cai WD	2010	Enantioselectivity of racemic metolachlor and S-metolachlor in maize seedlings	N	N	-	-	-	-
CA 8.6.2 / 15	-	-	Yadav PK, Khan AH, Murti R & Upadhyay RK	2006	Effect of herbicides on germination, growth and nodulation in chickpea (<i>Cicer arietinum</i>).	N	N	-	-	-	-

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CA 8.6.2 / 16	-	-	Yadav PK, Khan AH & Yadav AS	2007	Effects of herbicides on biochemical and growth parameters of chickpea (<i>Cicer arietinum</i>).	N	N	-	-	-	-
CA 8.8 / 01	IIA1 8.15 / 01	IIA 8.7 / 01	Grade, R.	1991	Report on the test for inhibitory concen- tration on aerobic bacteria of CGA 40172 tech. Ciba-Geigy Ltd., Basle, CH GLP, unpublished Report N°. 918158, 13.08.1991 Syngenta file N° CGA40172/0002 2662787	N	N	-	SYN	1998	Original EU dossier
CA 8.8 / 02	IIA1 8.15 / 02	IIA 8.7 / 02	Grade, R.	1991	Report on the test for inhibitory concen- tration on aerobic bacteria of CGA 51202 tech. Ciba-Geigy Ltd., Basle, CH GLP, unpublished Report N°. 918153, 13.08.1991 Syngenta file N° CGA51202/0021 2662788	N	N	-	SYN	1998	Original EU dossier
CA 8.8 / 03	IIA1 8.15 / 03	IIA 8.7 / 03	Grade, R.	1996	Report on the test for activated sludge respiration inhibition of CGA 77102 tech. Ciba-Geigy Ltd., Basle, CH GLP, unpublished Report N°. 961568, 19.12.1996 Syngenta file N° CGA77102/0218 266278	N	N	-	SYN	1998	Original EU dossier

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CP 10.1.1.1/01	IIIA 10.1.1.1/01	IIIA 10.1.1.1/01	Bomfim Pestana, C.	1997	Avian Oral Acute Toxicity Study (Coturnix coturnix japonica) – DualGold (CGH 060-97) 2771524	Y	N	-	SYN	2015	Supplementary dossier
CP 10.1.3			AHUJA, Satinder (Hg.).	2009	Handbook of water purity and quality. Academic Press						
CP 10.1.3			Boatman, N., Brickle, N., Hart, J., Milsom, T., Morris, A., Murray, A., Murray, K. & Robert- son, P.	2004	Evidence for the indirect effects of pesti- cides on farmland birds. Ibis 146 Supple- ment 2, 131-143						
CP 10.1.3			Bright, J. A., Morris, A. J. & Winspear, R.	2008	A review of Indirect Effects of Pesticides on Birds and mitigating land-management practices. The Royal Society for the Pro- tection of Birds, 1-66.						
CP 10.1.3			Campbell, L. H. & Cooke, A. S.	1997	The indirect effects of pesticides on birds. Joint Nature Conservation Committee 18pp. Peterborough.						
CP 10.1.3			DEFRA	2005	Assessing the indirect effects of pesticides on birds. Central Science Laboratory, Game ConserVancy Trust, Royal Society for the Protection of Birds and Department of Zoology, University of Oxford; DEFRA Research Project PN0925. Final report. http://randd.defra.gov.uk						
CP 10.1.3			Jahn, T., Hötter, H., Oppermann, R., Bleil, R., Vele, L.	2013	Protection of biodiversity of free living birds and mammals in respect of the effects of pesticides, Main Report. Umweltbun- desamt Development & Research Project FKZ 371063411. Available at www.umweltbundesamt.de						
CP 10.1.3			Marshall, J., Brown, V., Boatman, N., Lutman, P., Squire, G.	2001	The impact of herbicides on weed abun- dance and biodiversity In: A report for the UK Pesticides Safety Directorate - PN0940: 147. British Health and Safety Executive, Chemicals Regulation Direc- torate Pesticides						

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CP 10.1.3			Potts, G. R.	1997	The effects of modern agriculture, nest predation and game management on the population ecology of partridges (<i>Perdix perdix</i> and <i>Alectoris rufa</i>). Advances in Ecological Research 11, 2-79						
CP 10.1.3			Potts, G. R.	1997	Cereal farming, pesticides and grey partridges. In: Farming and Birds in Europe: The Common Agricultural Policy and its Implications for Bird Conservation. Pain, D. J. & Pienkowski, M. W. (Eds.). Academic Press, London						
CP 10.1.3			Potts, G. R. & Aeberscher, N. J.	1991	Modelling the population dynamics of the Grey Partridge: conservation and management. In: Bird Population Studies: 373-390. Perrins, C. M., Lebreton, J.-D. & Hirons, G. J. M. (Eds.). Oxford University Press, Oxford						
CP 10.1.3			Rands, M. R. W.	1985	Pesticide Use on Cereals and the Survival of Grey Partridge Chicks: A Field Experiment. Journal of Applied Ecology 22, 49-54						
CP 10.1.3			Zemolin, C. R., Avila, L. A., Cassol, G. V., Massey, J. H., & Camargo, E. R.	2014	Environmental fate of S-Metolachlor: a review. Planta daninha, 32(3), 655-664.						
CP 10.2.1 /01	IIIA 10.2.2.1 /01	IIIA 10.2.1 /01	Rufli, H.	1996	Acute toxicity test of CGA 77102 EC 960 (A-9396 B) to Rainbow trout (<i>Oncorhynchus mykiss</i>) in the static system. Ciba-Geigy Ltd., Report No. 961605, 28.08.1996 Novartis file N° 77102/144 2808073	Y	N	-	SYN	1998	Original EU dossier
CP 10.2.1 /02	IIIA 10.2.2.1 /02	IIIA 10.2.1 /02	Neumann, CH.	1997	Acute toxicity test of CGA 77102 EC 960 (A-9396 B) to the cladoceran <i>Daphnia magna</i> STRAUS under static conditions. Ciba-Geigy Report No: 961606, 08.01.1997 Novartis file N° 77102/228 2808075	N	N	-	SYN	1998	Original EU dossier

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CP 10.2.1 /03	IIIA 10.2.2.1 /03	IIIA 10.2.1 /03	Grade, R.	1996	Growth inhibition test of CGA 77102, EC 960 (A-9396 B) to Green Algae (<i>Selenastrum capricornutum</i>) under static conditions. Ciba-Geigy Ltd., Report No. 961607, 29.11.1996 Novartis file N° 77102/208 2808084	N	N	-	SYN	1998	Original EU dossier
CP 10.2.1 / 04 (CP 10.2.1 / 01 in Supplement)	-	-	Liedtke A.	2011	S-Metolachlor EC (A9396G) - Acute Toxicity to Rainbow Trout (<i>Oncorhynchus mykiss</i>) in a 96-Hour Test Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D24643 GLP not published Syngenta File No A9396G_10697 2771529	Y	Y	Eligible for data protection according to SANCO/12576/2012; dependent on national product registration status	SYN	2015	Supplementary dossier
CP 10.2.1 / 05 (CP 10.2.1 / 02 in Supplement)	-	-	Putt A.E.	1999	CGA77102 960 EC (A9396C) - Acute toxicity to rainbow trout (<i>Oncorhynchus mykiss</i>) under static conditions Novartis Crop Protection AG, Basel, Switzerland Springborn Laboratories Inc., Wareham, USA, 1781.6589 GLP not published Syngenta File No CGA77102/0506 2771530	Y	Y	Eligible for data protection according to SANCO/12576/2012; dependent on national product registration status	SYN	2015	Supplementary dossier
CP 10.2.1 / 06 (CP 10.2.1 / 03 in Supplement)	-	-	Liedtke A.	2011	S-Metolachlor EC (A9396G) - Acute Toxicity to <i>Daphnia magna</i> in a 48-hour Immobilization Test Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D24665 GLP not published Syngenta File No A9396G_10696 2771531	N	Y	Eligible for data protection according to SANCO/12576/2012; dependent on national product registration status	SYN	2015	Supplementary dossier

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CP 10.2.1 / 07 (CP 10.2.1 / 04 in Supple- ment)	-	-	Putt A.E.	1999	CGA77102 960 EC (A9396C); Acute toxicity to daphnids (Daphnia magna) under static conditions Novartis Crop Protection AG, Basel, Switzerland Springborn Laboratories Inc., Wareham, USA, 1781.6587 GLP not published Syngenta File No CGA77102/0507 2771532	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; de- pendent on national product registration status	SYN	2015	Supplementary dossier
CP 10.2.1 / 08 (CP 10.2.1 / 05 in Supple- ment)	-	-	Eckenstein H.	2013	S-metolachlor EC (A9396G) - Toxicity to Pseudokirchneriella subcapitata in a 96- hour algal growth inhibition test supple- mented with testing for recovery of growth Syngenta Harlan Laboratories Ltd., Itingen, Switzer- land, D69035 GLP not published Syngenta File No A9396G_10965 2771533	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; de- pendent on national product registration status	SYN	2015	Supplementary dossier
CP 10.2.1 / 09 (CP 10.2.1 / 06 in Supple- ment)	-	-	Hoberg J.R.	1999	CGA77102 EC 960 (A9396C): Toxicity to the freshwater green alga, Pseudokirch- neriella subcapitata Novartis Crop Protection AG, Basel, Switzerland Springborn Laboratories Inc., Wareham, USA, 1781.6590 GLP not published Syngenta File No CGA77102/0505 2771534	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; de- pendent on national product registration status	SYN	2015	Supplementary dossier

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CP 10.2.1 / 10 (CP 10.2.1 / 07 in Supple- ment)	-	-	Hefner N.	2014	S-metolachlor EC (A9396G) - Toxicity to the aquatic higher plant Lemna gibba in a 7-day growth inhibition test Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D93458 GLP not published Syngenta File No A9396G_11269 2771535	N	Y	Eligible for data protection according to SANCO/12576/2012; dependent on national product registration status	SYN	2015	Supplementary dossier
CP 10.1.2 /01	IIIA 10.3 /01	IIIA 10.3 /01	Kuhn, J.O.	1995	Acute oral toxicity study in rats. Stillmeadow Inc., Sugar Land TX, USA, Report No. 2317-95, 01.12.1995 Novartis file N° 77102/113 2808187	Y	N	-	SYN	1998	Original EU dossier
CP 10.3.1 /01	IIIA 10.4 2.1/ 01 & IIIA 10.4.2.2 /01	IIIA 10.4 1/01	Candolfi, M.P.	1997	CGA 77102: Laboratory oral and contact test with the honeybee, Apis mellifera, based on the EPPO Guideline 170 (1992), Springborn Laboratories (Europe) AG, Report N°. 97-137-1008, 03.02.1997 Syngenta file N° CGA77102/0246	N	N	-	SYN	1998	Original EU dossier
CP 10.3.1.1.1 / 01 (CP 10.3.1.1.1 / 01 in Supp- lement)	-	-	Kling A	2011	S-Metolachlor EC (A9396G) - Acute Oral and Contact Toxicity to the Honeybee Apis mellifera L. In the Laboratory Syngenta Eurofins - GAB, Niefern Öschelbronn, Germany, S11-01231 GLP not published Syngenta Task Number: TK0057359	N	Y	Eligible for data protection according to SANCO/12576/2012; dependent on national product registration status	SYN	2015	Supplementary dossier
CP 10.3.1.1.1 / 01 (CP 10.3.1.1.1 / 01 in Supp- lement)	-	-	Hoberg J.R.	1999	CGA77102 EC 960 (A9396C): Acute contact and oral toxicity tests with honey bees (Apis mellifera) Novartis Crop Protection AG, Basel, Switzerland Springborn Laboratories Inc., Wareham, USA, 1781.6591 GLP not published Novartis Number 719-99 Basel Project Number 981694	N	Y	Eligible for data protection according to SANCO/12576/2012; dependent on national product registration status	SYN	2015	Supplementary dossier

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CP 10.3.1.2 / 01			Klank C.	2014	S-Metolachlor EC (A9396G) - Chronic Larval Toxicity Test on the Honey bee (<i>Apis mellifera</i> L.) in the Laboratory Syngenta Eurofins Agrosience Services EcoChem GmbH, N-Osch., Germany, S13-04404 GLP not published Study Code: S13-04404 Syngenta Task Number: TK0171318	N	Y	Eligible for data protection according to SANCO/12576/2012; dependent on national product registration status	SYN	2015	Supplementary dossier
CP 10.3.2.1 /01	IIIA 10.5.1 /01	IIIA 10.5.1 /01	Reber, B.	1996	Acute toxicity test of CGA 77102 EC 960 (A-9396 B) on the predatory ground beetle <i>Poecilus cupreus</i> L. Ciba-Geigy Ltd., Report No. 961609, 15.10.1996 Novartis file N° 77102/157 2808094	N	N	-	SYN	1998	Original EU dossier
CP 10.3.2.1 /02	IIIA 10.5.1 /02	IIIA 10.5.1 /02	Wesiak, H. and Ch. Neumann	1996	Acute toxicity test of CGA 77102 EC 960 (A-9396 B) on the parasitic wasp <i>Aphidius Viereck</i> (Hymenoptera: Aphidiidae). Ciba-Geigy Ltd., Report No. 961612, 28.10.1996 Novartis file N° 77102/169 2808098	N	N	-	SYN	1998	Original EU dossier
CP 10.3.2.1 /03	IIIA 10.5.1 /03	IIIA 10.5.1 /03	Wesiak, H. and Ch. Neumann	1996	Acute toxicity test of CGA 77102 EC 960 (A-9396 B) on the aphid predator <i>Orius laevigatus</i> Fieber. Ciba-Geigy Ltd., Report No. 961610, 29.10.1996 Novartis file N° 77102/168 2808101	N	N	-	SYN	1998	Original EU dossier
CP 10.3.2.1 /04	IIIA 10.5.1 /04	IIIA 10.5.1 /04	Candolfi, M.P.	1997	CGA 77102, EC 960 (A-9396): Laboratory toxicity test with the rove beetle, <i>Aleochara bilineata</i> Gyllenhal (Coleoptera: Staphylinidae), based on the IOBC approved method of Moreth and Naton (1992). Springborn Laboratories (Europe) AG, Report No. 96-148-1008, 23.01.1997 Novartis file N° 77102/235 2808105	N	N	-	SYN	1998	Original EU dossier

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CA 8.3.2 / 05	IIA1 8.8 / 05	IIA 8.3.2 / 06	Candolfi, M.P.	1998	Toxicity of CGA 77102 EC 960 (A-9396 B) to the parasitic wasp <i>Aphidius rhopalosiphii</i> under extended laboratory conditions. Novartis Crop Protection AG, Basel, CH Report No. 981663, 25.08.1998 GLP, not published Syngenta file N°CGA77102/0441	N	N	-	SYN	1998	Original EU dossier
CA 8.3.2 / 06	IIA1 8.8 / 06	IIA 8.3.2 / 07	Candolfi, M.P.	1998	Toxicity of CGA 77102 EC 960 (A-9396 B) to the predacious mite <i>Typhlodromus pyri</i> Scheuten under extended laboratory conditions. Novartis Crop Protection AG, Basel, CH Report No. 981690, 18.09.1998 GLP, not published Syngenta file N°CGA77102/0443	N	N	-	SYN	1998	Original EU dossier
CA 8.3.2 / 07	IIA1 8.8 / 07	IIA 8.3.2 / 08	Candolfi, M.P.	1998	Toxicity of CGA 77102 EC 960 (A-9396 B) to the predator <i>Orius laevigatus</i> Fiber under extended laboratory conditions. Novartis Crop Protection AG, Basel, CH Report No. 981664, 21.09.1998 GLP, not published Syngenta file N°CGA77102/0444	N	N	-	SYN	1998	Original EU dossier
CA 8.3.2 / 05	IIA1 8.8 / 05	IIA 8.3.2 / 05	Engelhard, E.K.	1998	CGA 77102 EC 960 (A-9396 B): laboratory contact toxicity test with the predacious mite, <i>Typhlodromus pyri</i> Scheuten (Acari: Phytoseiidae) based on the method of Overmeer (1988). Springborn (Europe) AG, Horn, Switzerland Report N°. 97-218-1047, 13.01.1998 GLP, unpublished Syngenta file N° CGA77102/0394	N	N	-	SYN	1998	Original EU dossier

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CP 10.3.2.2 / 01 (CP 10.3.2.2 / 01 in Supple- ment)	-	-	Nienstedt K.M.	1999	CGA77102 EC960 (A9396C): extended toxicity test with the parasitic wasp, Aphidius rhopalosiphii (Hymenoptera: braconidae) Novartis Crop Protection AG, Basel, Switzerland Springborn Smithers Laboratories (Europe) AG, Horn, Switzerland, 99-265-1047 GLP not published Syngenta File No CGA77102/0470 2771538	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; de- pendent on national product registration status	SYN	2015	Supplementary dossier
CP 10.3.2.2 / 02 (CP 10.3.2.2 / 02 in Supple- ment)	-	-	Nienstedt K.M.	1999	CGA77102 EC960 (A9396C): extended toxicity test with the predacious mite, Typhlodromus pyri scheuten (Acari: Phytoseiidae) Novartis Crop Protection AG, Basel, Switzerland Springborn Smithers Laboratories (Europe) AG, Horn, Switzerland, 1047.051.368 GLP not published Syngenta File No CGA77102/0503 2771539	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; de- pendent on national product registration status	SYN	2015	Supplementary dossier
CP 10.3.2.2 / 03 (CP 10.3.2.2 / 03 in Supple- ment)	-	-	Nienstedt K.M.	2000	A chronic laboratory test with CGA77102 EC960 (A9396C) on Aleochara bilineata Gyll. (Coleoptera: staphylinidae) Novartis Crop Protection AG, Basel, Switzerland Springborn Smithers Laboratories (Europe) AG, Horn, Switzerland, 1047.051.271 GLP not published Syngenta File No CGA77102/0542 2771540	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; de- pendent on national product registration status	SYN	2015	Supplementary dossier

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CP 10.3.2.2 / 04 (CP 10.3.2.2 / 04 in Supple- ment)	-	-	Nienstedt K.M.	1999	CGA77102 EC960 (A9396C): laboratory acute toxicity test with the ground beetle, <i>Poecilus cupreus</i> L. (Coleoptera: carabidae) Novartis Crop Protection AG, Basel, Switzerland Springborn Smithers Laboratories (Europe) AG, Horn, Switzerland, 1047.051.267 GLP not published Syngenta File No CGA77102/0468 2771541	N	Y	Eligible for data protection according to SANCO/12576/2012; dependent on national product registration status	SYN	2015	Supplementary dossier
CP 10.4.1 /01	IIIA 10.6.2 /01	IIIA 10.6.1.1 /01	Rufli, H.	1996	Acute toxicity test of CGA 77102, EC 960 (A-9396 B) to the earthworm (<i>Eisenia fetida</i>). Ciba-Geigy Ltd., Report No. 961608, 08.11.1996 Novartis file N° 77102/204 2808147	N	N	-	SYN	1998	Original EU dossier
CP 10.4.1 /02	IIIA 10.6.2 /01	IIIA 10.6.1.2 /01	Goßmann, A.	1997	Effects of CGA 77102 EC 960 (A-9396 B) on reproduction and growth of earthworms <i>Eisenia fetida</i> (Savigny 1826) in artificial soil. Institut für Biologische Analytik and Consulting IBACON GmbH, Report No. 2200022, 12.02.1997 Novartis file N° 77102/248 2808178	N	N	-	SYN	1998	Original EU dossier
CP 10.4.1.2 / 01 (CP 10.4.1.2 / 01 in Supple- ment)	-	-	Forster A., Pease G., Milanesi F.	2006	S-metolachlor (A9396C), terbutylazine (A5435E) and s metolachlor + terbutylazine (A9476C) - A field study to evaluate the effects on the earthworm fauna of a maize field in Denmark Syngenta Crop Protection AG, Basel, Switzerland Ecotox Ltd., Tavistock, United Kingdom, ER-06-KCB215 2031779 GLP not published Syngenta File No GS13529/2086 2771542	N	Y	Eligible for data protection according to SANCO/12576/2012; dependent on national product registration status	SYN	2015	Supplementary dossier

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CP point / reference number Reg. 284/2013	Annex point / reference number OECD	Annex point / reference number EU Rev. 8	Author(s)	Year	Title, Source, Company, Report No GLP or GEP status (where rele- vant), Published or not BVL registration number	Vertebrate study Y/N	Data Pro- tection Claimed Y/N	Justification if data protection is claimed	Owner (1)	Date of submission	Submitted with
CP 10.4.1.2 / 02 (CP 10.4.1.2 / 02 in Supple- ment)	-	-	Klein O.	2006	S-metolachlor (A9396C), terbutylazine (A5435E) and S-metolachlor + terbutylazine (A9476C) - A Field Study to Evaluate the Effects of on the Earthworm Fauna in Maize in Southern Germany Syngenta Crop Protection AG, Basel, Switzerland GAB Biotechnologie GmbH, Niefern, Germany, 20051078/G1-NFEw 2031778 GLP not published Syngenta File No GS13529/2083 2771543	N	Y	Eligible for data protection according to SANCO/12576/2012; dependent on national product registration status	SYN	2015	Supplementary dossier
CP 10.5 / 01 (CP 10.5 / 01 in Supple- ment)	-	-	Schulz L.	2011	S-Metolachlor EC (A9396G) - Effects on the Activity of Soil Microflora (Nitrogen and Carbon Transformation Tests) Syngenta BioChem Agrar, Gerichshain, Germany, 11 10 48 038 C/N GLP not published Syngenta File No A9396G_10695 2771544	N	Y	Eligible for data protection according to SANCO/12576/2012; dependent on national product registration status	SYN	2015	Supplementary dossier
CP 10.6.2 / 01 (CP 10.6.2 / 01 in Supple- ment)	-	-	Bramby-Gunary J.	2014	S-Metolachlor EC (A9396G) - Evaluation of the phytotoxicity to non target terrestrial plant vegetative vigour test Syngenta AgroChemex Ltd, Manningtree, United Kingdom, ACE 14-008 GLP not published Syngenta File No A9396G_11242 2771545	N	Y	Eligible for data protection according to SANCO/12576/2012; dependent on national product registration status	SYN	2015	Supplementary dossier

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CP 10.6.2 / 02 (CP 10.6.2 / 02 in Supple- ment)	-	-	Bramby-Gunary J.	2014	S-Metolachlor EC (A9396G) - Evaluation of the phytotoxicity to non target terrestrial plant seedling emergence and seedling growth test Syngenta AgroChemex Ltd, Manningtree, United Kingdom, ACE 14-007 GLP not published Syngenta File No A9396G_11240 2771546	N	Y	Eligible for data protec- tion according to SAN- CO/12576/2012; de- pendent on national product registration status	SYN	2015	Supplementary dossier