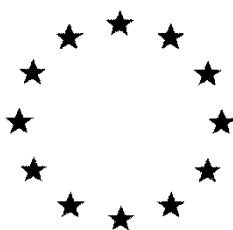


European Commission



**Draft Assessment Report prepared according to the Commission
Regulation (EU) N° 1107/2009**

PYDIFLUMETOFEN

Volume 2

Rapporteur Member State: France
Co-Rapporteur Member State: Austria

Version History

When	What
2017-07	Initial DAR
2018-07	DAR revised in light with Open Points and Data Requirements reported in Peer Review Tables Sections 1, 2, 3, 4 and 5

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A. LIST OF THE TESTS, STUDIES AND INFORMATION SUBMITTED

A.1. IDENTITY

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
KCA 1.11 / 01	Mink C.	2015	SYN545974 - Analysis of Five Representative Batches Produced at Syngenta, Switzerland Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, CHMU150191 GLP not published Syngenta File No SYN545974_10185 This is CONFIDENTIAL INFORMATION	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN*	N
KCA 1.11 / 02	Mink C.	2015a	SYN545974 - Analysis of Five Representative Batches Produced at Syngenta, Switzerland Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, CHMU150224 GLP not published Syngenta File No SYN545974_10186 This is CONFIDENTIAL INFORMATION	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN*	N
KCA 1.11 / 03	Mink C.	2015b	SYN545974 - Analysis of Five Representative Batches Produced at Syngenta Nantong, China Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, CHMU150598 GLP not published Syngenta File No SYN545974_10241 This is CONFIDENTIAL INFORMATION	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN*	N
KCA 1.11 / 04	Voellmin S.	2012	SYN545974 - Analysis of a tox-reserve Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 124700 GLP not published Syngenta File No SYN545974_10021 This is CONFIDENTIAL INFORMATION	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN*	N
KCA 1.11 / 05	Mink C.	2014	SYN545974 - Chemical Characterization of Batch SMU4FL762	N	Y	New data for a new active	SYN*	N

			Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, CHMU140328 GLP not published Syngenta File No SYN545974_10243 This is CONFIDENTIAL INFORMATION			substance; eligible for data protection according to SANCO/125 76/2012		
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*Syngenta requests data confidentiality for these data. Disclosure of the information might undermine Syngenta's commercial interests by providing access to Syngenta specific know-how used to develop unique positions and approaches to risk assessment.

A.2. PHYSICAL AND CHEMICAL PROPERTIES

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Verteb rate study Y/N	Data protection claimed Y/N	Justificatio n if data protection is claimed	Owner	Previous evaluatio n
KCA 2.1 / 01	O'Connor B.	2012	SYN545974 - Determination of melting temperature Syngenta Harlan Laboratories Ltd., Shardlow, Derbyshire, UK, 41203898 GLP not published Syngenta File No SYN545974_10023	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 2.1 / 02	O'Connor B.	2012a	SYN545974 - Determination of boiling temperature Syngenta Harlan Laboratories Ltd., Shardlow, Derbyshire, UK, 41203899 GLP not published Syngenta File No SYN545974_10024	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 2.2 / 01	Vijayakumar C.	2012	SYN545974 - Vapour Pressure Syngenta Syngenta Biosciences Pvt. Ltd., Ilhas Goa, India, SMG11739 GLP not published Syngenta File No SYN545974_10038	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 2.3 / 01	O'Connor B.	2012b	SYN545974 - Determination of appearance (color, physical state and odor) Syngenta Harlan Laboratories Ltd., Shardlow, Derbyshire, UK, 41203897 GLP not published Syngenta File No SYN545974_10025	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 2.3 / 02	O'Connor B.	2012c	SYN545974 - Determination of appearance (color, physical state and odor) Syngenta Harlan Laboratories Ltd., Shardlow, Derbyshire, UK, 41203900 GLP not published Syngenta File No SYN545974_10026	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

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KCA 2.4 / 01	Heintz K.	2016	SYN545974 - Spectra Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, CHMU140550 GLP not published Syngenta File No SYN545974_10172	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.5 / 01	Halarnakar R.	2012	SYN545974 - Solubility in water Syngenta Syngenta Biosciences Pvt. Ltd., Ilhas Goa, India, SMG11737 GLP not published Syngenta File No SYN545974_10031	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.6 / 01	Halarnakar R.	2012a	SYN545974 - Solubility in Organic Solvents Syngenta Syngenta Biosciences Pvt. Ltd., Ilhas Goa, India, SMG11891 GLP not published Syngenta File No SYN545974_10030	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.7 / 01	Halarnakar R.	2012b	SYN545974 - Octanol / Water Partition Coefficient Syngenta Syngenta Biosciences Pvt. Ltd., Ilhas Goa, India, SMG11738 GLP not published Syngenta File No SYN545974_10032	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.7 / 02	Das R.	2018	SYN547897 Metabolite of pydiflumetofen (= SYN545974) Statement on the 1-Octanol / Water Partition Coefficient (calculated from in silico data sources) Syngenta Syngenta Crop Protection, Münchwilen, Switzerland Report ID No.; 300104085 Not GLP not published Syngenta File No SYN547897_10001	N	N	-	SYN	N
KCA 2.7 / 03	Das R.	2018a	EXC4915 Metabolite of pydiflumetofen (= SYN545974) Statement on the 1-Octanol / Water Partition Coefficient (calculated from in silico data sources) Syngenta Syngenta Crop Protection, Münchwilen, Switzerland Report ID No.; 300104088 Not GLP not published Syngenta File No SYN545974_10603	N	N	-	SYN	N

KCA 2.7 / 04	Das R.	2018b	SYN545547 Metabolite of pydiflumetofen (= SYN545974) Statement on the 1-Octanol / Water Partition Coefficient (calculated from in silico data sources) Syngenta Syngenta Crop Protection, Mönchwil, Switzerland Report ID No.; 300104089 Not GLP not published Syngenta File No SYN545547_10012	N	N	-	SYN	N
KCA 2.7 / 05	Das R.	2018c	SYN548263 Metabolite of pydiflumetofen (= SYN545974) Statement on the 1-Octanol / Water Partition Coefficient (calculated from in silico data sources) Syngenta Syngenta Crop Protection, Mönchwil, Switzerland Report ID No.; 300104087 Not GLP not published Syngenta File No SYN548263_10000	N	N	-	SYN	N
KCA 2.7 / 06	Das R.	2018d	SYN548261 Metabolite of pydiflumetofen (= SYN545974) Statement on the 1-Octanol / Water Partition Coefficient (calculated from in silico data sources) Syngenta Syngenta Crop Protection, Mönchwil, Switzerland Report ID No.; 300104090 Not GLP not published Syngenta File No SYN548261_10006	N	N	-	SYN	N
KCA 2.7 / 07	Hosmani R.	2009e	CA4312 - Octanol/water partition coefficient Syngenta Syngenta Biosciences Pvt. Ltd., Ilhas Goa, India Report ID No.; SMG10197 GLP not published Syngenta File No CA4312_10898	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 2.8 / 01	O'Connor B.	2013	SYN545974 - Determination of Dissociation Constants in Water Syngenta Harlan Laboratories Ltd., Shardlow, Derbyshire, UK, 41206681 GLP not published Syngenta File No SYN545974_10050	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 2.9 / 01 & KCA 2.11 / 01 & KCA 2.13 / 01	Jackson W.	2012	SYN545974 - Safety Study Syngenta Syngenta Technology & Projects, Huddersfield, United Kingdom, 10514983 GLP	N	Y	New data for a new active substance; eligible for data protection	SYN	N

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			not published Syngenta File No SYN545974_10036			according to SANCO/125 76/2012		
KCA 2.9 / 02 & KCA 2.11 / 02 & KCA 2.13 / 02	Jackson W.	2016	Pydiflumetofen - Safety Study Syngenta Syngenta Technology & Engineering, Huddersfield UK, HT16/546 GLP not published Syngenta File No SYN545974_10488	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.12 / 01	O'Connor B.	2014	SYN545974 - Determination of Surface Tension Syngenta Harlan Laboratories Ltd., Shardlow, Derbyshire, UK, 41402211 GLP not published Syngenta File No SYN545974_10382	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.1 / 01	O'Connor B.	2012	SYN545974 - Determination of melting temperature Syngenta Harlan Laboratories Ltd., Shardlow, Derbyshire, UK, 41203898 GLP not published Syngenta File No SYN545974_10023	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.1 / 02	O'Connor B.	2012a	SYN545974 - Determination of boiling temperature Syngenta Harlan Laboratories Ltd., Shardlow, Derbyshire, UK, 41203899 GLP not published Syngenta File No SYN545974_10024	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.2 / 01	Vijayakumar C.	2012	SYN545974 - Vapour Pressure Syngenta Syngenta Biosciences Pvt. Ltd., Ilhas Goa, India, SMG11739 GLP not published Syngenta File No SYN545974_10038	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.3 / 01	O'Connor B.	2012b	SYN545974 - Determination of appearance (color, physical state and odor) Syngenta Harlan Laboratories Ltd., Shardlow, Derbyshire, UK, 41203897 GLP not published Syngenta File No SYN545974_10025	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N

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KCA 2.3 / 02	O'Connor B.	2012c	SYN545974 - Determination of appearance (color, physical state and odor) Syngenta Harlan Laboratories Ltd., Shardlow, Derbyshire, UK, 41203900 GLP not published Syngenta File No SYN545974_10026	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.4 / 01	Heintz K.	2016	SYN545974 - Spectra Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, CHMU140550 GLP not published Syngenta File No SYN545974_10172	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.5 / 01	Halarnakar R.	2012	SYN545974 - Solubility in water Syngenta Syngenta Biosciences Pvt. Ltd., Ilhas Goa, India, SMG11737 GLP not published Syngenta File No SYN545974_10031	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.6 / 01	Halarnakar R.	2012a	SYN545974 - Solubility in Organic Solvents Syngenta Syngenta Biosciences Pvt. Ltd., Ilhas Goa, India, SMG11891 GLP not published Syngenta File No SYN545974_10030	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.7 / 01	Halarnakar R.	2012b	SYN545974 - Octanol / Water Partition Coefficient Syngenta Syngenta Biosciences Pvt. Ltd., Ilhas Goa, India, SMG11738 GLP not published Syngenta File No SYN545974_10032	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.8 / 01	O'Connor B.	2013	SYN545974 - Determination of Dissociation Constants in Water Syngenta Harlan Laboratories Ltd., Shardlow, Derbyshire, UK, 41206681 GLP not published Syngenta File No SYN545974_10050	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N

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KCA 2.9 / 01 & KCA 2.11 / 01 & KCA 2.13 / 01	Jackson W.	2012	SYN545974 - Safety Study Syngenta Syngenta Technology & Projects, Huddersfield, United Kingdom, 10514983 GLP not published Syngenta File No SYN545974_10036	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.9 / 02 & KCA 2.11 / 02 & KCA 2.13 / 02	Jackson W.	2016	Pydiflumetofen - Safety Study Syngenta Syngenta Technology & Engineering, Huddersfield UK, HT16/546 GLP not published Syngenta File No SYN545974_10488	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 2.12 / 01	O'Connor B.	2014	SYN545974 - Determination of Surface Tension Syngenta Harlan Laboratories Ltd., Shardlow, Derbyshire, UK, 41402211 GLP not published Syngenta File No SYN545974_10382	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCP 2 / 01	Mink C.	2015	A19649B - Certificate of Analysis Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 300020106 Not GLP not published Syngenta File No A19649B_10100	N	N	-	SYN	N
KCP 2.1 / 01 & KCP 2.4 / 02 & KCP 2.8.2 / 01 & KCP 2.8.3 / 01 & KCP 2.8.7 / 01 & KCP 2.11 / 01	Martin-Keusch C.	2014	A19649B - Physical and Technical Properties of Batch JHU002-037-001 Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, CHMU140583 GLP not published Syngenta File No A19649B_10063	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/125 76/2012	SYN	N
KCP 2.2 / 01 & KCP 2.3 / 01	Jackson W.	2014	A19649B - Safety Study Syngenta Syngenta Technology & Projects, Huddersfield, United Kingdom, HT14/564 GLP not published Syngenta File No A19649B_10069	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/125 76/2012	SYN	N

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KCP 2.2 / 02 & KCP 2.3 / 02	Jackson W.	2016	A19649B - Safety Study Syngenta Syngenta Technology & Projects, Huddersfield, United Kingdom, HT16/552 GLP not published Syngenta File No A19649B_10298	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/125 76/2012	SYN	N
KCP 2.4 / 01 & KCP 2.5 / 01 & KCP 2.7 / 03 & KCP 2.8.3 / 02 & KCP 2.8.5.1 / 01	Martin- Keusch C.	2014a	A19649B - Physico-Chemical Characteristics of Batch JHU002-037- 001 Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, CHMU140584 GLP not published Syngenta File No A19649B_10064	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/125 76/2012	SYN	N
KCP 2.6 / 01	Mink C.	2014	A19649B - Chemical Characterization of Batch JHU002-037-001 Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, CHMU140226 GLP not published Syngenta File No A19649B_10101	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/125 76/2012	SYN	N
KCP 2.7 / 01	Wochner F.	2015	A19649B - 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, 300031181 Not GLP not published Syngenta File No A19649B_10068	N	N	-	SYN	N
KCP 2.7 / 02	Wochner F.	2015a	A19649B - 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, 300031182 Not GLP not published Syngenta File No A19649B_10070	N	N	-	SYN	N

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KCP 2.7 / 03	Fumeaux J.	2017	A19649B - Storage Stability and Shelf Life Statement (2 years 25 -C) in Packaging Made of HDPE Syngenta Syngenta Crop Protection, Münchwilen, Switzerland Report ID No.; 300074956 Not GLP not published Syngenta File No A19649B_10319	N	N	-	SYN	N
KCP 2.7 / 04	Fumeaux J.	2017	A19649B - Storage Stability and Shelf Life Statement (2 Years 25 -C) in Packaging Made of PET Syngenta Syngenta Crop Protection, Münchwilen, Switzerland Report ID No.; 300074957 Not GLP not published Syngenta File No A19649B_10320	N	N	-	SYN	N
KCP 2.7 / 0406	Fumeaux J.	2017	A19649B - Storage Stability and Shelf Life Statement (18 Months 25 °C) in Packaging Made of PET Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 300074017 Not GLP not published Syngenta File No A19649B_10310	N	N	-	SYN	N
KCP 2.7 / 0507	Fumeaux J.	2017a	A19649B - Storage Stability and Shelf Life Statement (18 Months 25 °C) in Packaging Made of HDPE Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 300074016 Not GLP not published Syngenta File No A19649B_10311	N	N	-	SYN	N

A.3. DATA ON APPLICATION AND EFFICACY

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
KCA 3.3 / 01	Haas H. Nuninger C.	2016	Comparison of the fungicidal activity of Pydiflumetofen enantiomers Syngenta Not GLP not published Syngenta File No SYN545974_10370	N	N	-	SYN	N
KCP 3 / 01 & KCP 3.2 / 01	Juhasz M.	2016	SYN545974 - EU Efficacy Information according to SANCO 10054 Syngenta Not GLP not published Syngenta File No SYN545974_10118	N	N	-	SYN	N
KCP 3 / 02 & KCP 3.2 / 02	Juhasz M.	2016a	2014-2015 EU efficacy results summary for A19649B containing SYN545974 Syngenta Not GLP not published Syngenta File No SYN545974_10371	N	N	-	SYN	N

SYN = Syngenta

A.4. FURTHER INFORMATION

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
KCP 4.2 / 01	Martin-Keusch C.	2014	A19649B - The Effectiveness of the Spray Tank Cleaning Procedure Syngenta Syngenta Crop Protection, Mönchwil, Switzerland, 409466 Not GLP not published Syngenta File No A19649B_10066	N	N	-	SYN	N
KCP 4.4 / 01	Wochner F.	2015	A19649B - 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, Mönchwil, Switzerland, 300031181 Not GLP not published Syngenta File No A19649B_10068	N	N	-	SYN	N
KCP 4.4 / 02	Wochner F.	2015a	A19649B - 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, Mönchwil, Switzerland, 300031182 Not GLP not published Syngenta File No A19649B_10070	N	N	-	SYN	N
KCP 4.2 / 01	Martin-Keusch C.	2014	A19649B - The Effectiveness of the Spray Tank Cleaning Procedure Syngenta Syngenta Crop Protection, Mönchwil, Switzerland, 409466 Not GLP not published Syngenta File No A19649B_10066	N	N	-	SYN	N
KCP 4.4 / 01	Wochner F.	2015	A19649B - 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, Mönchwil, Switzerland, 300031181 Not GLP not published Syngenta File No A19649B_10068	N	N	-	SYN	N
KCP 4.4	Wochner	2015a	A19649B - Storage Stability and	N	N	-	SYN	N

/ 02	F.		Shelf Life Statement (2 Weeks 54 °C) in Packaging Made of PET according to CIPAC MT 46.3 Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 300031182 Not GLP not published Syngenta File No A19649B_10070					
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A.5. METHODS OF ANALYSIS

Data Point	Author (s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
KCA 4.1.1 / 01	Mink C.	2015	SYN545974 - Analytical Method SA-97/1 Syngenta Syngenta Crop Protection, Müncswilen, Switzerland, 300029020 Not GLP not published Syngenta File No SYN545974_10168	N	N	-	SYN	N
KCA 4.1.1 / 02	Mink C.	2015a	SYN545974 - Validation of Analytical Method SA-97/1 Syngenta Syngenta Crop Protection, Müncswilen, Switzerland, CHMU140778 GLP not published Syngenta File No SYN545974_10148	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 4.1.1 / 03	Mink C.	2015b	SYN545974 - Analytical Method SB-97/1 Syngenta Syngenta Crop Protection, Müncswilen, Switzerland, 300029039 Not GLP not published Syngenta File No SYN545974_10165 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N
KCA 4.1.1 / 04	Mink C.	2015c	SYN545974 - Validation Analytical Method SB-97/1 Syngenta Syngenta Crop Protection, Müncswilen, Switzerland, CHMU140779 GLP not published Syngenta File No SYN545974_10166 This is CONFIDENTIAL INFORMATION	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN*	N
KCA 4.1.1 / 05	Mink C.	2017	SYN545974 - Supplementary Statement to Analytical Method SB-97/1 Syngenta	N	N	-	SYN*	N

			Syngenta Crop Protection, Münchwilen, Switzerland Report ID No.; Not GLP not published Syngenta File No SYN545974_10556 This is CONFIDENTIAL INFORMATION					
KCA 4.1.1 / 06	Heintz / K.	2015	Confirmation of structures of by-products for Pydiflumetofen (SYN545974) by mass spectroscopy with Pydiflumetofen produced at Syngenta Crop Protection Monthey SA, Switzerland Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 300044433 Not GLP not published Syngenta File No SYN545974_10242 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N
KCA 4.1.2 / 01 & KCA 4.2 / 10	Lin K.	2013	SYN545974 - Analytical Method (GRM061.04A) for Determination of SYN545974 in Soil Syngenta Syngenta Crop Protection, LLC, Greensboro, NC, USA, GRM061.04A Not GLP not published Syngenta File No SYN545974_50031	N	N	-	SYN	N
KCA 4.1.2 / 02 & KCA 4.2 / 11	Marin J.	2013	SYN545974 - Independent Laboratory Validation of Residue Method (GRM061.02A) for the Determination of SYN545974 and SYN545547 in Soil Syngenta PTRL West, Hercules CA, USA, 2387W GLP not published Syngenta File No SYN545974_50027	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 4.1.2 / 03 & KCA 4.2 / 12	Huang S.	2013	SYN545974 - Residue Method for the Determination of SYN545974 in Water Syngenta Syngenta Crop Protection, LLC, Greensboro, NC, USA, GRM061.01A Not GLP	N	N	-	SYN	N

			not published Syngenta File No SYN545974_50029					
KCA 4.1.2 / 04 & KCA 4.1.2 / 31 & KCA 4.2 / 13	Mayer L.	2016	SYN545974 - Validation of Residue Method (GRM061.01A) for the Determination of SYN545974 in Water Syngenta Syngenta Crop Protection, LLC, Greensboro, NC, USA, TK0290384, GRM061.01A Not GLP not published Syngenta File No SYN545974_50462	N	N	-	SYN	N
KCA 4.1.2 / 05 & KCA 4.2 / 14	Marin J.	2013a	SYN545974 - Independent Laboratory Validation of Residue Method (GRM061.01A) for the Determination of SYN545974 in Water Syngenta PTRL West, Hercules CA, USA, 2386W, GRM061.01A GLP not published Syngenta File No SYN545974_50026	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.1.2 / 06 & KCA 4.2 / 15	Gocer M.	2016	SYN545974 - Analytical Method GRM061.11A for the Determination of SYN545974 in Air Syngenta Eurofins Agrosience Services EcoChem GmbH, N-Osch., Germany, GRM061.11A Not GLP not published Syngenta File No SYN545974_10366	N	N	-	SYN	N
KCA 4.1.2 / 07 & KCA 4.2 / 16	Gocer M.	2016a	SYN545974 - Validation of an Analytical Method for the Determination in Air Syngenta Eurofins Agrosience Services EcoChem GmbH, N-Osch., Germany, S15-03698 GLP not published Syngenta File No SYN545974_10365	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.1.2 / 08	Harris J.	2012	SYN545974 - Validation of an Analytical Method for the Determination of SYN545974 in Rat and Mouse Blood by LC- MS/MS Syngenta Charles River Laboratories, Edinburgh, United Kingdom,	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/125	SYN	N

			33236 GLP not published Syngenta File No SYN545974_10009			76/2012		
KCA 4.1.2 / 09	Davies I.	2013	SYN545974 - Partial Validation of a Bioanalytical Method for the Determination of SYN545974 in Rabbit Blood Water Syngenta Sequani Limited, Ledbury, United Kingdom, BF10127 GLP not published Syngenta File No SYN545974_10372	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.1.2 / 10	Macdona ld D., Kerr S., Thomson N.	2012	SYN545974 - Validation of Methodologies for the Analysis of SYN545974 in Dietary Formulations Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 32657 GLP not published Syngenta File No SYN545974_10006	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.1.2 / 11	Macdona ld D., Kerr S.	2013	SYN545974 - Validation of Methodologies for the Analysis of SYN545974 in RM1 Dietary Formulations Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 33720 GLP not published Syngenta File No SYN545974_10087	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.1.2 / 12	Baxter A.	2014	SYN545974 - Supplementary Validation of the Assay for the Determination of SYN545974 in VRF-1 Fine Ground Rodent Diet Syngenta Sequani Limited, Ledbury, United Kingdom, BF10231 GLP not published Syngenta File No SYN545974_10103	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.1.2 / 13	Baxter A.	2014a	SYN545974 - Validation of the Formulation Procedure for SYN545974 in VRF-1 Fine Ground Rodent Diet and Assessment of Formulation Stability Syngenta, Syngenta	Y	Y	New data for a new active substance; eligible for data protection according to	SYN	N

			Sequani Limited, Ledbury, United Kingdom, BFI0232 GLP not published Syngenta File No SYN545974_10109			SANCO/125 76/2012		
KCA 4.1.2 14	Faulkner / L., Heap C.	2013	SYN545974 - Validation of the Assay for the Determination of SYN545974 in R&M No. 3 Fine Ground Diet Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0111 GLP not published Syngenta File No SYN545974_10079	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.1.2 15	Deeming / J., Heap C.	2012	SYN545974 - Validation of the Formulation Procedure of SYN545974 in 1 % w/v Aqueous Carboxymethylcellulose and Assessment of Formulation Stability Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0049 GLP not published Syngenta File No SYN545974_10020	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.1.2 16	Deeming / J., Baxter A.	2012	SYN545974 - Validation of the Assay for the Determination of SYN545974 in 1 % w/v Aqueous Carboxymethylcellulose Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0048 GLP not published Syngenta File No SYN545974_10019	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.1.2 17	Smith S.	2018	SYN508272 - Validation of a Bioanalytical Method for the Determination of SYN508272 in Rat Blood: Water [1:1 (v/v)] by LC-MS/MS Syngenta - Jealott's Hill, Bracknell, United Kingdom Alderley Analytical, The BioHub, Alderley Edge, Cheshire, UK, 0057/002 GLP not published Syngenta File No SYN508272_10924	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.1.2 18	Langridg / e G.	2014	SYN545974 - Analytical Method GRM061.05A for the Determination of Dislodgeable	N	N	-	SYN	N

			Foliar Residues of SYN545974 in Leaf Wash Solutions Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, GRM061.05A Not GLP not published Syngenta File No SYN545974_10138					
KCA 4.1.2 / 19	Langridge G.	2015	SYN545974 - Validation of Syngenta Method GRM061.05A for the Determination of Dislodgeable Foliar Residues of SYN545974 in Leaf Wash Solutions by LC-MS/MS Syngenta, Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-6653-REG GLP not published Syngenta File No SYN545974_10139	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 4.1.2 / 20	Huang S.	2015	SYN545974 - Analytical Method for Determination of SYN545974 in Crops by LC-MS/MS with Validation Data Syngenta Syngenta Crop Protection, LLC, Greensboro, NC, USA, GRM061.03A Not GLP not published Syngenta File No SYN545974_50054	N	N	-	SYN	N
KCA 4.1.2 / 21	Schulz D., Trumper C.	2015	SYN545974 - Validation of the Syngenta Method GRM061.03A for the Determination of Residues of SYN545974 in Crop Matrices Syngenta Eurofins Agrosience Services Chem GmbH, Hamburg, Germany, S14-05352 GLP not published Syngenta File No SYN545974_10180	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 4.1.2 / 22	Mayer L.	2015	SYN545974 - Analytical Method (GRM061.06A) for the Determination of SYN545974 in Bovine Milk, Liver, Kidney, Muscle, Fat, Blood and Hen Eggs by LC-MS/MS Syngenta Syngenta Crop Protection, LLC, Greensboro, NC, USA, GRM061.06A	N	N	-	SYN	N

			Not GLP not published Syngenta File No SYN545974_50123					
KCA 4.1.2 / 23	Harris J.	2015	SYN545974 - Validation of an Analytical Method for the Determination of SYN545974 in Bovine Meat, Liver, Kidney, Fat, Milk and Chicken Eggs Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 36383 GLP not published Syngenta File No SYN545974_10247	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 4.1.2 / 24	Mayer L.	2015a	SYN545974 - Analytical Method (GRM061.08A) for the Determination of SYN548264 and SYN508272 in Bovine Milk by LC-MS/MS Syngenta Syngenta Crop Protection, LLC, Greensboro, NC, USA, GRM061.08A Not GLP not published Syngenta File No SYN548264_50000	N	N	-	SYN	N
KCA 4.1.2 / 25 & KCA 4.1.2 / 27	Vance C., Anderson R., Harris J.	2015 2017	SYN545974 - Magnitude of Residues in Milk and Tissues of Dairy Cows following Multiple Oral Administration of SYN545974 Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 35775 Amendment 2 GLP not published Syngenta File No SYN545974_10288	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 4.1.2 / 26	Mayer L.	2015b	SYN545974 - Analytical Method (GRM061.09A) for the Determination of Free and Conjugated SYN547897 and SYN548263 in Kidney and Liver by LC-MS/MS Syngenta Syngenta Crop Protection, LLC, Greensboro, NC, USA, GRM061.09A Not GLP not published Syngenta File No SYN547897_50000	N	N	-	SYN	N

KCA 4.1.2 / 28 & KCA 4.2 / 07	Mayer L.	2015c	SYN545974 - Analytical Method (GRM061.07A) for the Determination of Free and Conjugated 2,4,6-trichlorophenol in Bovine Milk, Liver, Kidney, Muscle, Fat, Blood and Hen Eggs by LC-MS/MS Syngenta Syngenta Crop Protection, LLC, Greensboro, NC, USA, GRM061.07A Not GLP not published Syngenta File No SYN545974_50114	N	N	-	SYN	N
KCA 4.1.2 / 29 & KCA 4.2 / 08	Senciuc M., Asekuno wo J.	2015	SYN545974 - Validation of the Analytical Method GRM 061.07A for the Determination of Residues of Conjugated 2,4,6-Trichlorophenol in Animal Matrices Syngenta PTRL Europe, Ulm, Germany, PTRL Europe ID P 3613 G GLP not published Syngenta File No SYN545974_10178	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.1.2 / 30	Syngenta	2017	Pydiflumetofen - EU - Further clarification response to RMS on Analytical Methods Residues E-Fate - March 2017 Syngenta Not GLP not published Syngenta File No SYN545974_10495	N	N	-	SYN	N
KCA 4.2 / 01	Meseguer C.	2015	SYN545974 - Validation of the QuEChERS Method for the Determination of Residues of SYN545974 in Crop Matrices by LC-MS/MS Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S14-05402 GLP not published Syngenta File No SYN545974_10174	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N

KCA 4.2 / 02	Khan A., Merdian H.	2015	SYN545974 - Independent Laboratory Validation of the QuEChERS Method for the Determination of Residues of SYN545974 in Crop Matrices by LC-MS/MS Syngenta Eurofins Agrosience Services Ltd, Wilson, UK, S14-05729 GLP not published Syngenta File No SYN545974_10193	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.2 / 03	Langridge G.	2017	Pydiflumetofen - Evaluation of the Extraction Efficiency of two Analytical Methods Used for the Determination of Pydiflumetofen Residues in Crop Matrices Syngenta - Jealott's Hill, Bracknell, United Kingdom CEM Analytical Services Ltd (CEMAS) - Berkshire, UK Report ID No.; CEMR-8368 GLP not published Syngenta File No SYN545974_10586	N	Y		SYN	N
KCA 4.2 / 04	Richter S.	2015	SYN545974 - Validation of the QuEChERS Method for the Determination of Residues of SYN545974 in Animal Matrices by LC-MS/MS Syngenta PTRL Europe, Ulm, Germany, PTRL Europe ID P 3592 G GLP not published Syngenta File No SYN545974_10169	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N
KCA 4.2 / 05	Bradford W.	2015	SYN545974 - Independent Laboratory Validation of QuEChERS Method for the Determination of Residues of SYN545974 in Liver and Milk by LC-MS/MS Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-7055 GLP not published Syngenta File No SYN545974_10195	N	Y	New data for a new active substance; eligible for data protection according to SANCO/125 76/2012	SYN	N

KCA 4.2 / 06	Xu A.	2017	SYN545974 - Independent Laboratory Validation of QuEChERS Method for the Determination of Residues of SYN545974 in Egg and Muscle by LC-MS/MS Syngenta Crop Protection, LLC, Greensboro, NC, USA Primera Analytical Solutions Corp., Princeton, NJ, USA Report ID No.; PASC-REP-1467 GLP not published Syngenta File No SYN545974_50832	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 4.2 / 09	Schlewitz P.	2015	SYN545974 - Independent Lab Validation of the Analytical Method for the Determination of Conjugated 2,4,6-Trichlorophenol in Animal Matrices Syngenta Anadiag SA, Haguenau, France, R B5134 GLP not published Syngenta File No SYN545974_10239	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCP 5.1.1 / 01	Voellmin S., Spuhler U.	2013	Content of SYN545974 in Formulation SC (200) by HPLC Syngenta Syngenta Crop Protection, Mönchwil, Switzerland, 10524098 Not GLP not published Syngenta File No A19649B_10042	N	N	-	SYN	N
KCP 5.1.1 / 02	Voellmin S.	2013	A19649B - Validation of Analytical Method SF-636/1 Syngenta Syngenta Crop Protection, Mönchwil, Switzerland, 10525685 GLP not published Syngenta File No A19649B_10043	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12576/2012	SYN	N

*Syngenta requests data confidentiality for these data. Disclosure of the information might undermine Syngenta's commercial interests by providing access to Syngenta specific know-how used to develop unique positions and approaches to risk assessment.

A.6. TOXICOLOGY AND METABOLISM DATA

Active substance (CA)

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Verteb rate study Y/N	Data protection claimed Y/N	Justificati on if data protection is claimed	Owner	Previous evaluatio n
KCA 5.1.1 / 01	Webbley K., Williams D.	2015	SYN545974 - A Preliminary Study of Pharmacokinetics, Absorption, Metabolism and Excretion in Rats Following Single Oral and Intravenous Administration of 14C-SYN545974 Syngenta Quotient Bioresearch Limited, Northamptonshire, UK, SGA/64 GLP not published Syngenta File No SYN545974_10188	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.1.1 / 02	Hutton E.	2015	SYN545974 - The Absorption and Excretion of [Phenyl U 14C] and [Pyrazole 5 14C] SYN545974 Following Single Oral Administration in the Rat Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 34214 GLP not published Syngenta File No SYN545974_10248	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.1.1 / 03	Hutton E.	2015a	SYN545974 - Tissue Depletion of [Phenyl-U-14C] and [Pyrazole-5-14C]-SYN545974 Following Single Oral Administration in the Rat Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 34340 GLP not published Syngenta File No SYN545974_10252	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.1.1 / 04	Hutton E., OHagan P.	2015	SYN545974 - Pharmacokinetics of [Phenyl-U-14C] and [Pyrazole-5-14C] SYN545974 Following Single Oral and Intravenous Administration in the Rat Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 34107 GLP not published	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N

			Syngenta File No SYN545974_10250					
KCA 5.1.1 / 05	Macdonald M., Jewkes Y.	2015	SYN545974 - Biotransformation of [14C]- SYN545974 in Rat Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 34216 GLP not published Syngenta File No SYN545974_10259	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.1.1 / 06	Punler M., Harris J.	2014	SYN545974 - Pharmacokinetics of SYN545974 in the Rat Following Multiple Oral and Single Intravenous Administration Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 33409 GLP not published Syngenta File No SYN545974_10104	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.1.1 / 07	Punler M., Harris J.	2014a	SYN545974 - Pharmacokinetics of SYN545974 in the Mouse Following Multiple Oral and Single Intravenous Administration Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 33408 GLP not published Syngenta File No SYN545974_10124	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.1.1 / 08	Tomlinson J., Hutton E., Green M., Allan G.	2015	SYN545974 - The Excretion and Biotransformation of [Phenyl-U-14C] and [Pyrazole- 5-14C]-SYN545974 Following Single Oral Administration in the Mouse Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 35415 GLP not published Syngenta File No SYN545974_10257	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.1.1 / 09	Penn L.	2015	SYN545974 - Oral (Gavage) Toxicokinetic Study in the Pregnant Rabbit Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0126 GLP not published Syngenta File No SYN545974_10125	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.1.1 /	Thibaut R.	2017	Pydiflumetofen - In Vitro Comparative Metabolism of	N	Y	New data for a new	SYN	N

10			[Phenyl-U-14C]Pydiflumetofen and [Pyrazole-5-14C]Pydiflumetofen in Human and Rat Liver Microsomes Syngenta Innovative Environmental Services, Witterswil, Switzerland Report ID No.; 20160346 GLP not published Syngenta File No SYN545974_10511			active substance; eligible for data protection according to SANCO/12 576/2012		
KCA 5.2.1 / 01	Petus-Arpasy M.	2012	SYN545974 - Acute Oral Toxicity Study in the Rat (Up and Down Procedure) Syngenta CiToxLAB Hungary Ltd, Szabadságpuszta, Hungary, 12/344-001P GLP not published Syngenta File No SYN545974_10043	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.2.2 / 01	Petus-Arpasy M.	2013	SYN545974 - Acute Dermal Toxicity Study in Rats Syngenta CiToxLAB Hungary Ltd, Szabadságpuszta, Hungary, 12/344-002P GLP not published Syngenta File No SYN545974_10046	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.2.3 / 01	Nagy K.	2013	SYN545974 - Acute Inhalation Toxicity Study (Nose-Only) in the Rat Syngenta CiToxLAB Hungary Ltd, Szabadságpuszta, Hungary, 12/334-004P GLP not published Syngenta File No SYN545974_10051	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.2.4 / 01	Torok-Batho M.	2012	SYN545974 - Primary Skin Irritation Study in Rabbits Syngenta CiToxLAB Hungary Ltd, Szabadságpuszta, Hungary, 12/344-006N GLP not published Syngenta File No SYN545974_10035	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.2.5 / 01	Torok-Batho M.	2012a	SYN545974 - Acute Eye Irritation Study in Rabbits Syngenta CiToxLAB Hungary Ltd, Szabadságpuszta, Hungary, 12/344-005N GLP not published Syngenta File No SYN545974_10033	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N

KCA 5.2.6 / 01	Hargitai J.	2013	SYN545974 - Local Lymph Node Assay in the Mouse Syngenta CiToxLAB Hungary Ltd, Szabadsagpuszta, Hungary, 12/344-037E GLP not published Syngenta File No SYN545974_10052	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.2.7 / 01	Gehrke H.	2015	SYN545974 - In Vitro 3T3 NRU Phototoxicity Test Syngenta Eurofins BioPharma, Planegg, Germany, 151200 GLP not published Syngenta File No SYN545974_10297	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.3.1 / 01	Strepka C.	2012	SYN545974, SYN546022 - 28 Day Dietary Toxicity Study in Rat Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 32168 + Amendment 1 (2017) Not GLP not published Syngenta File No SYN545974_10044 This is CONFIDENTIAL INFORMATION	Y	N	-	SYN*	N
KCA 5.3.1 / 02	Strepka C.	2012a	SYN545974, SYN546022 - 28 Day Dietary Toxicity Study in Mice Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 32153 Not GLP not published Syngenta File No SYN545974_10042 This is CONFIDENTIAL INFORMATION	Y	N	-	SYN*	N
KCA 5.3.2 / 01	Shearer J., Robertson B.	2015	SYN545974 - A 13 Week Toxicity Study of SYN545974 by Oral (Dietary) Administration in Rats Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 33012 GLP not published Syngenta File No SYN545974_10210	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.3.2 / 02	Shearer J.	2015	SYN545974 - A 13 Week Toxicity Study of SYN545974 by Oral (Dietary) Administration in Mice Syngenta Charles River Laboratories,	Y	Y	New data for a new active substance; eligible for data	SYN	N

			Edinburgh, United Kingdom, 33011 GLP not published Syngenta File No SYN545974_10211			protection according to SANCO/12 576/2012		
KCA 5.3.2 / 03	Blunt H.	2015	SYN545974 - 90 Day Oral (Capsule) Study in the Dog Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0113 GLP not published Syngenta File No SYN545974_10207	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.3.2 / 04	Blunt H.	2015a	SYN545974 - 52 Week Oral (Capsule) Toxicity Study in the Dog Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0114 GLP not published Syngenta File No SYN545974_10205	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.3.2 / 07	McInnes L.	2018	SYN545974 - Rebuttal for Increase in ALP in SYN545974 52 Week Dog Study Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom Report ID No.; TK0103660 Not GLP not published Syngenta File No SYN545974_10622	N	N	-	SYN	N
KCA 5.3.3 / 01	Sieber M.	2013	SYN545974 - 28-Day Dermal Toxicity Study in the Wistar Rat Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D62072 GLP not published Syngenta File No SYN545974_10047	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.4.1 / 01	Sokolowski A.	2012	SYN545974 - Salmonella Typhimurium and Escherichia Coli Reverse Mutation Assay Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1498901 GLP not published Syngenta File No SYN545974_10018	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.4.1 / 02	Sokolowski A.	2014	SYN545974 - Salmonella Typhimurium and Escherichia Coli Reverse Mutation Assay Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1648701	N	Y	New data for a new active substance; eligible for data protection	SYN	N

			GLP not published Syngenta File No SYN545974_10127			according to SANCO/12 576/2012		
KCA 5.4.1 / 03	Bohnenberg er S.	2013	SYN545974 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1498902 GLP not published Syngenta File No SYN545974_10048	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.4.1 / 04	Wollny H.	2013	SYN545974 - Cell Mutation Assay at the Thymidine Kinase Locus (TK +/-) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1498903 GLP not published Syngenta File No SYN545974_10049	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.4.2 / 01	Roth M.	2012	SYN545974 - Micronucleus Assay in Bone Marrow Cells of the Mouse Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1498904 GLP not published Syngenta File No SYN545974_10045	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.4.2 / 02	Dony E.	2014	SYN545974 - Micronucleus Assay in Bone Marrow Cells of the Mouse Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1648702 GLP not published Syngenta File No SYN545974_10141	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.4.2 / 03	Keig- Shevlin Z.	2017	SYN545974 - Rat Bone Marrow Chromosome Aberration Assay Syngenta Covance Laboratories Limited, Harrogate, UK Report ID No.; 8359217 GLP not published Syngenta File No SYN545974_10513	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.5 / 01	Robertson B.	2015	SYN545974 - 104 Week Rat Dietary Carcinogenicity Study with a Combined 52 Week Toxicity Study + Amendment 1 (2016)	Y	Y	New data for a new active substance; eligible for	SYN	N

			Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 36248 GLP not published Syngenta File No SYN545974_10245			data protection according to SANCO/12 576/2012		
KCA 5.5 / 02	Robertson B.	2015a	SYN545974 - 80 Week Mouse Dietary Carcinogenicity Study + Amendment 1 (2015) + Amendment 2 (2016) + Amendment 3 (2017) Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 35914 GLP not published Syngenta File No SYN545974_10237	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.5 / 03	Cowie D.	2015	SYN545974 - Human Relevance Framework Assessment of Liver Tumour Induction in CD-1 Mice Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, TK0258437 Not GLP not published Syngenta File No SYN545974_10290 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N
KCA 5.5 / 04	Elcombe B.	2015	SYN545974 - A 28-Day Dietary Liver Mode of Action Study in Male CD-1 Mice Syngenta CXR Biosciences, Dundee, Scotland, UK, CXR1508 Not GLP not published Syngenta File No SYN545974_10267 This is CONFIDENTIAL INFORMATION	Y	N	-	SYN*	N
KCA 5.5 / 05	Lowes D.	2015	SYN545974 - In Vitro Hepatocyte Proliferation Index And Enzyme Activity Measurements In Male CD-1 Mouse Hepatocyte Cultures Syngenta CXR Biosciences, Dundee, Scotland, UK, CXR1503 Not GLP not published Syngenta File No SYN545974_10272 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N
KCA 5.5 / 06	Lowes D.	2015a	SYN545974 - In Vitro Hepatocyte Proliferation Index And Enzyme Activity	N	N	-	SYN*	N

			Measurements In Male Human Hepatocyte Cultures Syngenta CXR Biosciences, Dundee, Scotland, UK, CXR1504 Not GLP not published Syngenta File No SYN545974_10270 This is CONFIDENTIAL INFORMATION					
KCA 5.5 / 07	Omiecinski C.	2014	SYN545974 - CAR3 Transactivation Assay with Mouse, Rat and Human CAR Syngenta Dept of Vet & Biomedical Sciences, University Pk, PA, USA, TK0219831 Not GLP not published Syngenta File No SYN545974_50044 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N
KCA 5.5 / 08	Haines C.	2012	Ex-Vivo Enzyme Analysis of Liver Samples Taken at Termination of a 28 Day Dietary Study of SYN545974 and SYN546022 in the Mouse Syngenta CXR Biosciences, Dundee, Scotland, UK, CXR1117 Not GLP not published Syngenta File No SYN545974_10209 This is CONFIDENTIAL INFORMATION	Y	N	-	SYN*	N
KCA 5.6.1 / 01	Hackford S.	2015	SYN545974 - Oral (Dietary) Two-Generation Reproduction Toxicity Study in the Rat Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0171 GLP not published Syngenta File No SYN545974_10246	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.6.2 / 01	Manton J.	2011	SYN545974 & SYN546022 - Preliminary Oral (Gavage) Prenatal Developmental Toxicity Dose Range Finding Study in the Rat Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0031 Not GLP not published Syngenta File No SYN545974_10003 This is CONFIDENTIAL INFORMATION	Y	N	-	SYN*	N
KCA 5.6.2 / 02	Davies S.	2015	SYN545974 - Oral (Gavage) Prenatal Developmental Toxicity Study in the Rat	Y	Y	New data for a new active	SYN	N

			Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0118+ Amendment 1 (2018) GLP not published Syngenta File No SYN545974_10190			substance; eligible for data protection according to SANCO/12 576/2012		
KCA 5.6.2 / 04	Davies S.	2016	SYN545974 - Historical Control Data for SYN545974_10190 Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, SYN545974_10190 Not GLP not published Syngenta File No SYN545974_10453	N	N	-	SYN	N
KCA 5.6.2 / 05	Manton J.	2018	Pydiflumetofen - Additional Historical Control Data to Support the Prenatal Developmental Toxicity Study in the Rat Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, TK0103655 Not GLP not published Syngenta File No SYN545974_10623	N	N	-	SYN	N
KCA 5.6.2 / 06	Penn L.	2015a	SYN545974 - Preliminary Oral (Gavage) Prenatal Developmental Toxicity Study in the Rabbit Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0046 Not GLP not published Syngenta File No SYN545974_10192 This is CONFIDENTIAL INFORMATION	Y	N	-	SYN*	N
KCA 5.6.2 / 07	Penn L.	2015b	SYN545974 - Oral (Gavage) Prenatal Developmental Toxicity Study in the Rabbit Syngenta Sequani Limited, Ledbury, United Kingdom, BFI0116 GLP not published Syngenta File No SYN545974_10177	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.6.2 / 08	Manton J.	2018a	Pydiflumetofen - Additional Historical Control Data and Assessment to Support the Prenatal Developmental Toxicity Study in the Rabbit Syngenta - Jealott's Hill, Bracknell, United Kingdom Syngenta - Jealott's Hill, Bracknell, United Kingdom Report ID No.; TK0103653	N	N	-	SYN	N

			Not GLP not published Syngenta File No SYN545974_10599					
KCA 5.6.2 / 09	Manton J.	2018b	Pydiflumetofen - Additional Historical Control Data to Support Prenatal Developmental Toxicity Studies in the Rabbit Syngenta - Jealott's Hill, Bracknell, United Kingdom Syngenta - Jealott's Hill, Bracknell, United Kingdom Report ID No.; TK0103653 Not GLP not published Syngenta File No SYN545974_10597	Y	N	-	SYN	N
KCA 5.6.2 / 10	Barnes E.	2015	SYN545974 - Additional Historical Control Data to Support Developmental Toxicity Studies in Rats Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, TK0103655 Not GLP not published Syngenta File No SYN545974_10244 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N
KCA 5.7.1 / 01	Broich K.	2015	SYN545974 - Acute Oral (Gavage) Neurotoxicity Study in the Wistar Rat Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D84504 GLP not published Syngenta File No SYN545974_10198	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.7.1 / 02	Broich K.	2015a	SYN545974 - An Abbreviated Acute Oral (Gavage) Neurotoxicity Study in the Female Wistar Rat Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D97813 GLP not published Syngenta File No SYN545974_10197	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.1 / 01	Pooles A.	2008	Screening Acute Oral Toxicity Study In The Rat + Amendment 1, 2011 Syngenta Crop Protection AG, Basel, Switzerland Safepharm Laboratories Ltd., Shadlow, United Kingdom, Safepharm 2364/0169 GLP not published Syngenta File No CA4312/0003	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN/ BASF	N
KCA	Sokolowski	2007	DF-pyrazole acid (CA4312)	N	Y	New data	SYN/	N

5.8.1 / 02	A.		Salmonella typhimurium and escherichia coli reverse mutation assay Syngenta Crop Protection AG, Basel, Switzerland RCC Cytotest Cell Research GmbH, Rossdorf, Germany, RCC 1077403 GLP not published Syngenta File No SYN520453/0096			for a new active substance; eligible for data protection according to SANCO/12 576/2012	BASF	
KCA 5.8.1 / 03	Bohnenberger S.	2009	CSAA798670 - Chromosome Aberration Test in Human Lymphocytes In Vitro Syngenta - Jealott's Hill, Bracknell, United Kingdom RCC Cytotest Cell Research GmbH, Rossdorf, Germany, 1266902 GLP not published Syngenta File No NOA449410_10001	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN/ BASF	N
KCA 5.8.1 / 04	Wollny H.	2009	CSAA798670 - Cell Mutation Assay at the Thymidine Kinase Locus (TK +/-) in Mouse Lymphoma L5178Y Cells Syngenta - Jealott's Hill, Bracknell, United Kingdom RCC Cytotest Cell Research GmbH, Rossdorf, Germany, 1266901 GLP not published Syngenta File No NOA449410_10000	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN/ BASF	N
KCA 5.8.1 / 05	Sommer E.	2010	CSAA798670 - 28-Day Oral (Dietary) Toxicity Study in the Wistar Rat Syngenta - Jealott's Hill, Bracknell, United Kingdom Harlan Laboratories Ltd., Itingen, Switzerland, C57852 GLP not published Syngenta File No NOA449410_10003	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN/ BASF	N
KCA 5.8.1 / 06	Kaspers U. Strauss V. Graters S. Fabian E. van Ravenswaay B.	2009	Repeated dose 90-day oral toxicity study in Wistar rats; Administration in the diet Syngenta, BASF BASF SE, Limburgerhof, Germany, 2009/1072503 GLP not published Syngenta File No R958945_11273	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN/ BASF	N
KCA 5.8.1 / 07	Schneider S., Fabian E., Mellert W.	2009	@CSAA798670: Prenatal developmental toxicity study in New Zealand white rabbits - Oral administration (gavage) Syngenta Crop Protection AG, Basel, Switzerland BASF, 2009/1072507	Y	Y	New data for a new active substance; eligible for data protection	SYN/ BASF	N

			GLP not published Syngenta File No NOA449410_10005			according to SANCO/12 576/2012		
KCA 5.8.1 / 08	Barnes E., Manton J.	2018	NOA449410 - Additional Historical Control Data to Support the Prenatal Developmental Toxicity Study in the Rabbit Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom Report ID No.; 2009/1072507 Not GLP not published Syngenta File No NOA449410_10013	N	N	-	SYN	N
KCA 5.8.1 / 09	Cords S.	2009	Reg.No. 5621781 (Metabolite of BAS 700 F) Acute oral toxicity study in rats BASF Ltd., Ludwigshafen, Germany Bioassay - Biologische Analytik GmbH, Heidelberg, Germany, 10A0432/099058 GLP not published Syngenta File No SYN508272_10903	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.1 / 10	Sokolowski A.	2014a	SYN508272 - Salmonella Typhimurium and Escherichia Coli Reverse Mutation Assay Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1555901 GLP not published Syngenta File No SYN508272_10908	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.1 / 11	Bohnenberg er S.	2013a	SYN508272 - In Vitro Chromosome Aberration Test in Human Lymphocytes Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1555902 GLP not published Syngenta File No SYN508272_10904	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.1 / 12	Wollny H.	2013a	SYN508272 - Cell Mutation Assay at the Thymidine Kinase Locus (TK+/-) in Mouse Lymphoma L5178Y Cells Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1555903 GLP not published Syngenta File No SYN508272_10906	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.1 /	Dony E.	2014a	SYN508272 - Micronucleus Assay in Bone Marrow Cells of	Y	Y	New data for a new	SYN	N

13			the Rat Syngenta Harlan Cytotest Cell Research GmbH (Harlan CCR), Germany, 1602600 GLP not published Syngenta File No SYN508272_10910			active substance; eligible for data protection according to SANCO/12 576/2012		
KCA 5.8.1 / 14	Smith S.	2018	SYN508272 - The Determination of SYN508272 in Rat Blood:Water: (50:50) by LC-MS/MS in Samples Generated in Study 1602600 Syngenta Alderley Analytical, The BioHub, Alderley Edge, Cheshire, UK Report ID No.; 0057/003 GLP not published Syngenta File No SYN508272_10923	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.1 / 15	Dymarkows ka K.	2015	SYN508272 - A 28 Day Dietary Toxicity Study in Rats Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 35015 GLP not published Syngenta File No SYN508272_10919	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.1 / 16	Bahig M.	1981	Excretion and metabolism of 2,4,6-trichlorophenol-14c in rats Chemosphere 10:323-327, Not GLP published Syngenta File No NA_13756	Y	N	-	-	N
KCA 5.8.1 / 17	Pekari K.	1986	Kinetics of 2,4,6- trichlorophenol in different organs of the rat Archives of Toxicology 59:41- 44, Not GLP published Syngenta File No NA_13760	Y	N	-	-	N
KCA 5.8.1 / 18	Balikova M.	1988	Process of excretion and toxicity of lindane and its metabolite 2,4,6-trichlorophenol in rats after acute oral dosage Biochemia Clinica Bohemoslovaca, 17: 243-248, Not GLP published Syngenta File No NA_13791	N	N	-	-	N
KCA 5.8.1 / 19	Bercz J.	1990	Subchronic Toxicity Studies of 2,4,6-Trichlorophenol in Sprague-Dawley Rats Journal of the American College of Toxicology, 9(5): 497-506, Not GLP published	Y	N	-	-	N

			Syngenta File No NA_13762					
KCA 5.8.1 / 20	Haworth S.	1983	Salmonella Mutagenicity Test Results for 250 Chemicals Environmental Mutagenesis 1:3-142, Not GLP published Syngenta File No NA_13796	N	N	-	-	N
KCA 5.8.1 /21	Onodera S.	1998	Behaviour of Mutagenic Formation from Phenolic Compounds in Water Disinfection with Chlorine and their mutagenic potential formation Japanese Journal of Toxicology and Environmental Health 44:289-299, Not GLP published Syngenta File No NA_13793	N	N	-	-	N
KCA 5.8.1 / 22	Ransanen L.	1977	The Mutagenicity of MCPA and Its Soil Metabolites, Chlorinated Phenols, Catechols and Some Widely Used Slimicides in Finland Bulletin of Environmental Contamination & Toxicology, vol. 18, No.5. 565-571, Not GLP published Syngenta File No NA_13795	N	N	-	-	N
KCA 5.8.1 / 23	Strobel K. Grummt T.	1987	Aliphatic and Aromatic Halocarbons as Potential Mutagens in Drinking Water Toxicological and Environmental Chemistry 14:143-156, Not GLP published Syngenta File No NA_13775	N	N	-	-	N
KCA 5.8.1 / 24	Ono Y.	1996	Evaluation of DNA damage by active oxygen induced by organochlorine compounds and nitroarenes Mizu Kankyo Gakkaishi, (1996) 19:871-877, Not GLP published Syngenta File No NA_13792	N	N	-	-	N
KCA 5.8.1 / 25	Ozaki A, et al.	2004	Chemical analysis and genotoxicological safety assessment of paper and paperboard used for food packaging Food and Chemical Toxicology; 42: 1323-1337, Not GLP published Syngenta File No NA_13777	N	N	-	-	N
KCA 5.8.1 / 26	Fahrig R.	1978	Genetic Activity of Chlorophenols and Chlorophenol Impurities Environmental Science Research, Vol. 12, pp 325-338, Not GLP	N	N	-	-	N

			published Syngenta File No NA_13765					
KCA 5.8.1 27	Russell L.	2004	Use of the mouse spot test in chemical mutagenesis: interpretation of past data and recommendations for future work Mutagenesis Research 86:355-379, Not GLP published Syngenta File No NA_13778	Y	N	-	-	N
KCA 5.8.1 / 28	Valencia R.	1985	Chemical Mutagenesis Testing in Drosophila. 111. Results of 48 Coded Compounds Tested for the National Toxicology Program Environmental Mutagenesis 7:325-348, Not GLP published Syngenta File No NA_13773	N	N	-	-	N
KCA 5.8.1 / 29	Hattula M. Knuutinen J.	1985	Mutagenesis Of Mammalian Cells In Culture By Chlorophenols, Chlorocatechols And Chloroguaiacols Chemosphere 14: 1617-1625, Not GLP published Syngenta File No NA_13766	N	N	-	-	N
KCA 5.8.1 / 30	Jansson K. Jansson V.	1986	Inability of chlorophenols to induce 6-thioguanine-resistant mutants in V79 Chinese hamster cells Mutation Research 171:165-168, Not GLP published Syngenta File No NA_13769	N	N	-	-	N
KCA 5.8.1 / 31	Jansson K. Jansson V.	1992	Genotoxicity of 2,4,6-trichlorophenol in V79 Chinese hamster cells Mutation Research 280:175-179, Not GLP published Syngenta File No NA_13758	N	N	-	-	N
KCA 5.8.1 / 32	McGregor D.	1988	Responses of the L5178Y tk+/tk- Mouse Lymphoma Cell Forward Mutation Assay: 111. 72 Coded Chemicals Environmental and Molecular Mutagenesis 12:85-154, Not GLP published Syngenta File No NA_13800	N	N	-	-	N
KCA 5.8.1 / 33	Armstrong M.	1993	2,4,6-Trichlorophenol (TCP) induces chromosome breakage and aneuploidy in vitro Mutation Research 303:101-108, Not GLP published Syngenta File No NA_13759	N	N	-	-	N
KCA	Galloway S.	1987	Chromosome Aberrations and	N	N	-	-	N

5.8.1 / 34			Sister Chromatid Exchanges in Chinese Hamster Ovary Cells: Evaluations of 108 Chemicals Environmental and Molecular Mutagenesis 10:1-175, Not GLP published Syngenta File No NA_13783					
KCA 5.8.1 / 35	Matsuoka A.	1998	In vitro clastogenicity of 19 organic chemicals found in contaminated water and 7 structurally related chemicals Environ. Mutagen Res., 20:159-165, Not GLP published Syngenta File No NA_13789	N	N	-	-	N
KCA 5.8.1 / 36	Juhl U.	1989	The in vitro metabolites of 2,4,6-trichlorophenol and their dna strand breaking properties Chem-Biol Interactions 69:333-344, Not GLP published Syngenta File No NA_13757	N	N	-	-	N
KCA 5.8.1 / 37	Kitchen K., Brown J.	1988	Biochemical effects of three chlorinated phenols in rat liver Toxicological and Environmental Chemistry 16:165-172, Not GLP published Syngenta File No NA_13781	Y	N	-	-	N
KCA 5.8.1 / 38	Miyagawa M.	1995	The in vivo-in vitro replicative DNA synthesis (RDS) test with hepatocytes prepared from male B6C3F1 mice as an early prediction assay for putative nongenotoxic (Ames-negative) mouse hepatocarcinogens Mutation Research 343:157-183, Not GLP published Syngenta File No NA_13787	Y	N	-	-	N
KCA 5.8.1 / 39	Sasaki Y.	2000	The Comet Assay with Multiple Mouse Organs: Comparison of Comet Assay Results and Carcinogenicity with 208 Chemicals Selected from the IARC Monographs and U.S. NTP Carcinogenicity Database Crit Rev Toxicol. 2000 Nov; 30(6):629-799, Not GLP published Syngenta File No NA_13763	Y	N	-	-	N
KCA 5.8.1 / 40	Yin D.	2009	Genotoxic effect of 2,4,6-trichlorophenol on p53 gene in zebrafish liver Environmental Toxicology and Chemistry 28:603-608, Not GLP published Syngenta File No NA_13752	Y	N	-	-	N

KCA 5.8.1 / 41	National Cancer Institute	1979	Bioassay of 2, 4, 6-trichlorophenol for possible carcinogenicity National Cancer Institute Technical Report Series No. 155, 1979, Not GLP published Syngenta File No NA_13753	N	N	-	-	N
KCA 5.8.1 / 42	Huff J.	2012	Long-term toxicology and carcinogenicity of 2,4,6-trichlorophenol Chemosphere 89, 521-525, Not GLP published Syngenta File No NA_13807	Y	N	-	-	N
KCA 5.8.1 / 43	Blackburn K.	1986	Evaluation of the Reproductive Toxicology of 2,4,6-Trichlorophenol in Male and Female Rats Fundamental and Applied Toxicology 6, 233-239, Not GLP published Syngenta File No NA_13761	Y	N	-	-	N
KCA 5.8.1 / 44	Exon J. Koller L.	1985	Toxicity of 2-Chlorophenol, 2,4-Dichlorophenol, and 2,4,6-Trichlorophenol Chem., Environ. Impact Health Eff., Proc. Conf., 5th, (1985) Chapter 25. pp. 307-330, Not GLP published Syngenta File No NA_13804	N	N	-	-	N
KCA 5.8.1 / 45	Arrhenius E.	1977	Disturbance of microsomal detoxication mechanisms in Liver by chlorophenol pesticides Chem. Biol. Interactions. 18:35-46, Not GLP published Syngenta File No NA_13764	N	N	-	-	N
KCA 5.8.1 / 46	Carlson G.	1978	Effect of trichlorophenols on xenobiotic metabolism in the rat Toxicology 11:145-151, Not GLP published Syngenta File No NA_13803	Y	N	-	-	N
KCA 5.8.1 / 47	Gotz R.	1980	Effects of Pentaehlorophenol and 2,4,6-Triehlorophenol on the Disposition of Sulfobromophthalein and Respiration of Isolated Liver Cells Arch. Toxicol. 44:147-155, Not GLP published Syngenta File No NA_13798	N	N	-	-	N
KCA 5.8.1 / 48	Heil J. Reifferscheid G.	1992	Detection of mammalian carcinogens with an immunological DNA synthesis-inhibition test Carcinogenesis 13:2389-2394, Not GLP	N	N	-	-	N

			published Syngenta File No NA_13785					
KCA 5.8.1 50	Kitchen K., Brown J.	1994	Dose-response relationship for rat liver DNA damage caused by 49 rodent carcinogens Toxicology 88:31-49, Not GLP published Syngenta File No NA_13808	N	N	-	-	N
KCA 5.8.1 51	Pereira M.	1982	Initiation/promotion bioassay in rat liver: use of gamma glutamyltranspeptidase positive foci to indicate carcinogenic activity Toxicological Pathology 10(2):11-18, Not GLP published Syngenta File No NA_13776	Y	N	-	-	N
KCA 5.8.1 52	Stoner G.	1986	Comparison of Two Routes of Chemical Administration on the Toxicol. Appl. Pharmacol. 82:19-31, Not GLP published Syngenta File No NA_13799	Y	N	-	-	N
KCA 5.8.1 53	Butt C. Wang D. Stapleton H.	2011	Halogenated Phenolic Contaminants Inhibit the In Vitro Activity of the Thyroid- Regulating Deiodinases in Human Liver Toxicological Sciences 124:339-347, Not GLP published Syngenta File No NA_13784	N	N	-	-	N
KCA 5.8.1 54	Cascorbi I. Ahlers J.	1989	Correlation between the lipophilicity of substituted phenols and their inhibition of the Na ⁺ /K ⁺ -ATPase of Chinese hamster ovary cells Toxicology 58:197-210, Not GLP published Syngenta File No NA_13802	N	N	-	-	N
KCA 5.8.1 55	Ekwall B.	1987	Toxicity of Chlorophenols to HeLa Cells as Measured in the MIT-24 System ATLA, Alternatives to Laboratory Animals 14:178-81, Not GLP published Syngenta File No NA_13767	N	N	-	-	N
KCA 5.8.1 56	Henschler R. Appel K. Heyworth C. Glatt H.	2001	Proliferation and differentiation of murine haemopoietic progenitor cells in stroma-free culture in the presence of metabolites of chlorinated pesticides Toxicology In Vitro 15:31-37, Not GLP published Syngenta File No NA_13780	N	N	-	-	N
KCA 5.8.1	Jansson K. Jansson V.	1993	The toxicity of chlorophenols in V79 Chinese hamster cells	N	N	-	-	N

57			Toxicol.Lett.69:289-94, Not GLP published Syngenta File No NA_13771					
KCA 5.8.1 58	Jia R-W. Liao T-T. Shi Y-L. Wang L. Xia J. Lu B. Xu D-S.	2010	Cytotoxic Characteristics and Plasma Membrane Component Analysis in Vero Cells Exposed to 2,4,6-trichlorophenol J. Environ. Health, 270(4):302- 305, Not GLP published Syngenta File No NA_13806	N	N	-	-	N
KCA 5.8.1 59	Judis J.	1982	Binding of Selected Phenol Derivatives to Human Serum Proteins Journal of Pharmaceutical Sciences 71:1145-47, Not GLP published Syngenta File No NA_13794	N	N	-	-	N
KCA 5.8.1 60	Ma Y. Liu C. Lam P. Wu R. Giesy J. Hecker M. Zhang X. Zhou B.	2011	Modulation of steroidogenic gene expression and hormone synthesis in H295R cells exposed to PCP and TCP Toxicology, 282:146-53, Not GLP published Syngenta File No NA_13797	N	N	-	-	N
KCA 5.8.1 61	Murayama J. Ishiwata F. Utsumi H. Hamada A.	1990	Comparative Acute Cytotoxicities of 37 Xenobiotics Detected in Drinking Water to Rat Hepatocyte Primary Culture Eisei Kagaku 36:267-276, Not GLP published Syngenta File No NA_13774	N	N	-	-	N
KCA 5.8.1 62	Qin H. Liu J. Zhang Z. Li J. Gao G. Yang Y. Yuan X. Wu D.	2014	In situ electrochemical assessment of cytotoxicity of chlorophenols in MCF-7 and HeLa cells Analytical Biochemistry 462:60-66, Not GLP published Syngenta File No NA_13768	N	N	-	-	N
KCA 5.8.1 63	Sakazaki H. Ueno H. Umetani K. Utsumi H. Nakamuro K.	2001	Immunotoxicological Evaluation of Environmental Chemicals Utilizing Mouse Lymphocyte Mitogenesis Test Journal of Health Science 47: 258-271, Not GLP published Syngenta File No NA_13772	N	N	-	-	N
KCA 5.8.1 64	Shannon R. Boardman G. Dietrich A. Bevan D.	1991	Mitochondrial response to chlorophenols as a short-term toxicity assay Environmental Toxicology and Chemistry 10:57-66, Not GLP published Syngenta File No NA_13770	N	N	-	-	N
KCA	Utsumi H.	1992	Cytotoxicity and Mutagenicity	N	N	-	-	N

5.8.1 / 65	Hakoda M. Kiyoshige K. Manabe H. Mitade C. Murayama J. Han S. Hamada A.		of Micropollutants in Drinking Water Water Science and Technology 25:325-332, Not GLP published Syngenta File No NA_13779					
KCA 5.8.1 / 66	van Delft J. Van Agen E. van Breda S. Herwijnen M. Staal Y. Kleinjans J.	2005	Discrimination of genotoxic from non-genotoxic carcinogens by gene expression profiling Carcinogenesis 26:511, Not GLP published Syngenta File No NA_13786	N	N	-	-	N
KCA 5.8.1 / 67	Van den Berg K.	1990	Interaction of chlorinated phenols with thyroxine binding sites of human transthyretin, albumin and thyroid binding globulin Chemico-Biological Interactions 76:63-75, Not GLP published Syngenta File No NA_13782	N	N	-	-	N
KCA 5.8.1 / 68	Shi Y-L. Wang L. Zhou Q.	2008	Cytotoxic Response Characteristics and Sensitivity in Mammalian Vero Cells Exposed to 2,4,6-Trichlorophenol Asian Journal of Ecotoxicity 3:479-487, Not GLP published Syngenta File No NA_13754	N	N	-	-	N
KCA 5.8.1 / 69	Zhang X. Zhang X. Niu Z. Qi Y. Huang D. Zhang Y.	2014	2,4,6-Trichlorophenol Cytotoxicity Involves Oxidative Stress, Endoplasmic Reticulum Stress, and Apoptosis International Journal of Toxicology, 33(6):532-41, Not GLP published Syngenta File No NA_13755	N	N	-	-	N
KCA 5.8.1 / 70	Syngenta Ltd.	2016	A Multi-(Q)SAR Genotoxicity Assessment Of SYN545974 and SYN545547. Jealott's Hill International Research, Bracknell, Berks RG42 6EY. Laboratory Report No. TK0288608, 07 January 2016. Not GLP Not published. Syngenta File No. SYN545974_10433.	N	N	-	-	N
KCA 5.8.1 / 71	Gilby B.	2017	SYN545547 - Bacterial Reverse Mutation Test Syngenta Envigo CRS Limited, Huntingdon, Cambridgeshire, UK Report ID No.; MK43KP GLP	N	Y	New data for a new active substance; eligible for data protection according to	SYN	N

			not published Syngenta File No SYN545547_10005			SANCO/12 576/2012		
KCA 5.8.1 / 72	Gilby B.	2017a	SYN545547 - In Vitro Micronucleus Test in Human Lymphocytes Syngenta Envigo CRS Limited, Huntingdon, Cambridgeshire, UK Report ID No.; NH83HP GLP not published Syngenta File No SYN545547_10009	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.1 / 73	Gilby B.	2017b	SYN545547 - In Vitro Mutation Test using Mouse Lymphoma L5178Y Cells Syngenta Envigo CRS Limited, Huntingdon, Cambridgeshire, UK Report ID No.; XS02YK GLP not published Syngenta File No SYN545547_10007	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.1 / 74	Schulz M.	2018	SYN548263 - Salmonella Typhimurium and Escherichia Coli Reverse Mutation Assay Syngenta Envigo CRS GmbH, Rossdorf, Germany Report ID No.; 1880400 Not GLP not published Syngenta File No SYN548263_10002	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.1 / 75	Naumann S.	2018	SYN548263 - Micronucleus Test in Human Lymphocytes In Vitro Syngenta Envigo CRS GmbH, Rossdorf, Germany Report ID No.; 1880200 GLP not published Syngenta File No SYN548263_10003	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.1 / 76	Sokolowski A.	2018	SYN548263 - Cell Mutation Assay at the Thymidine Kinase Locus (TKP+/-) in Mouse Lymphoma L5178Y Cells Syngenta Envigo CRS GmbH, Rossdorf, Germany Report ID No.; 1880500 GLP not published Syngenta File No SYN548263_10001	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.1 / 77	Booth E.	2018	SYN547897 - Chemical Read- Across for Genotoxicity Potential Using a Multi- (Q)SAR Approach	N	N	-	SYN	N

			Syngenta - Jealott's Hill, Bracknell, United Kingdom Syngenta - Jealott's Hill, Bracknell, United Kingdom, TK0210177 Not GLP not published Syngenta File No SYN545974_10625					
KCA 5.8.2 / 01	Bhandal H.	2016	SYN545974 - Position Statement Concerning Immunotoxicity Potential Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, Not GLP not published Syngenta File No SYN545974_10361 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N
KCA 5.8.2 / 02	Lake B.	2015	SYN545974 - Effect on Hepatic UDPglucuronosyltransferase Activity Towards Thyroxine as Substrate After Dietary Administration for 90 Days to Male Rats Syngenta Leatherhead Food Research (LFR), Surrey, UK, 5522/1/2/2014 GLP not published Syngenta File No SYN545974_10264	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12 576/2012	SYN	N
KCA 5.8.2 / 03	Lake B.	2014	SYN545974 - Effect on Rat Thyroid Peroxidase Activity In Vitro Syngenta Leatherhead Food Research (LFR), Surrey, UK, 5523/1/2/2014 Not GLP not published Syngenta File No SYN545974_10120 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N
KCA 5.8.3 / 01	Green R.	2015	SYN545974 - Review for Potential for Endocrine Disruption in Mammalian Species Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, Not GLP not published Syngenta File No SYN545974_10345 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N

*Syngenta requests data confidentiality for these data. Disclosure of the information might undermine Syngenta's commercial interests by providing access to Syngenta specific know-how used to develop unique positions and approaches to risk assessment.

N.A: not applicable (new active substance)

Preparation (CP)

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protecti on claimed Y/N	Justificatio n if data protection is claimed	Owne r	Previo us evaluati on
KCP 7.1.1 / 01	Zelenak V.	2013	SYN545974 SC (A19649B) - Acute Oral Toxicity Study in Rat (Up and Down Procedure) Syngenta CiToxLAB Hungary Ltd, Szabadságpuszta, Hungary, 13/121-001P GLP not published Syngenta File No A19649B_10003	Y	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12 576/2012	SYN	N
KCP 7.1.2 / 01	Zelenak V.	2013a	SYN545974 SC (A19649B) - Acute Dermal Toxicity Study in Rats Syngenta CiToxLAB Hungary Ltd, Szabadságpuszta, Hungary, 13/121-002P GLP not published Syngenta File No A19649B_10007	Y	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12 576/2012	SYN	N
KCP 7.1.3 / 01	Nagy K.	2013	SYN545974 SC (A19649B) - Acute Inhalation Toxicity Study (Nose-Only) in the Rat Syngenta CiToxLAB Hungary Ltd, Szabadságpuszta, Hungary, 13/121-004P GLP not published Syngenta File No A19649B_10001	Y	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12 576/2012	SYN	N
KCP 7.1.4 / 01	Zelenak V.	2013b	SYN545974 SC (A19649B) - Primary Skin Irritation Study in Rabbit Syngenta CiToxLAB Hungary Ltd, Szabadságpuszta, Hungary, 13/121-006N GLP not published Syngenta File No A19649B_10005	Y	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12 576/2012	SYN	N
KCP 7.1.5 / 01	Zelenak V.	2013c	SYN545974 SC (A19649B) - Acute Eye Irritation Study in Rabbits Syngenta CiToxLAB Hungary Ltd, Szabadságpuszta, Hungary, 13/121-005N GLP not published Syngenta File No A19649B_10009	Y	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12 576/2012	SYN	N

KCP 7.1.5 / 02	Zelenak V.	2015	SYN545974 SC (A19649B) - Acute Eye Irritation Study in Rabbits Syngenta CiToxLAB Hungary Ltd, Szabadságpuszta, Hungary, 15/375-005N GLP not published Syngenta File No A19649B_10202	Y	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12 576/2012	SYN	N
KCP 7.1.6 / 01	Valiczko E.	2013	SYN545974 SC (A19649B) - Local Lymph Node Assay in the Mouse Syngenta CiToxLAB Hungary Ltd, Szabadságpuszta, Hungary, 13/121-037E GLP not published Syngenta File No A19649B_10010	Y	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12 576/2012	SYN	N
KCP 7.2.3.2 / 01	Langridge G.	2015	SYN545974 - Dislodgeable Foliar Residue Decline Study on Grapes in Northern and Southern Europe in 2014 Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-6654-REG GLP not published Syngenta File No A19649B_10181	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12 576/2012	SYN	N
KCP 7.2.3.2 / 02	Kennedy S.	2017	SYN545974 - Dislodgeable Foliar Residue Decline Study on Grapes in Northern and Southern Europe in 2016 Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK Report ID No.; CEMR-7665 GLP not published Syngenta File No A19649B_10317	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12 576/2012	SYN	N
KCP 7.2.3.2 / 02	Amic S.	2015	SYN545974 - Dislodgeable Foliar Residue Decline Study on Apples in Northern France, Southern France, Germany and Italy in 2014 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S14-04164 GLP not published Syngenta File No A19649B_10162	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12 576/2012	SYN	N
KCP 7.3 / 01	Tomlinson J.	2014	SYN545974 - SYN545974 SC Formulation (A19649B) - In Vivo Dermal Absorption in the Rat Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 35497 GLP not published Syngenta File No A19649B_10058	Y	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12	SYN	N

						576/2012		
KCP 7.3 / 02	Craig S., Gruszka K.	2014	SYN545974 SC Formulation (A19649B) - The In Vitro Percutaneous Absorption of Radiolabelled SYN545974 in Concentrate Formulation and Two In-Use Dilutions Through Human Split- Thickness Skin Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 35235 GLP not published Syngenta File No A19649B_10053	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12 576/2012	SYN	N
KCP 7.3 / 03	Craig S., Gruszka K.	2014a	SYN545974 SC Formulation (A19649B) - The In Vitro Percutaneous Absorption of Radiolabelled SYN545974 in Concentrate Formulation and Two In-Use Dilutions Through Rat Split-Thickness Skin Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 35236 GLP not published Syngenta File No A19649B_10051	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/12 576/2012	SYN	N

A.7. RESIDUE DATA

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
KCA 6.1 / 01	Yozgatli H., Feddersen T.	2015	SYN545974 - Storage Stability in Crops Stored Frozen for up to 23 months Syngenta Eurofins Agrosience Services Chem GmbH, Hamburg, Germany, S13-02224 GLP not published Syngenta File No SYN545974_10278	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.1 / 02	Harris J.	2015	SYN545974 - Storage Stability of SYN545974 in Bovine Muscle, Liver, Milk, Fat and Chicken Eggs Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 36552 GLP not published Syngenta File No SYN545974_10291 (updated interim report dated April 2016)	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.1 / 03	Langridge G.	2016	SYN545974 - Frozen Storage Stability of Residues of SYN508272, SYN548264, SYN547897 and SYN548263 in Animal Matrices Syngenta CEM Analytical Services Ltd (CEMAS) -	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			Berkshire, UK, CEMR-7064-INT2 (final) GLP not published Syngenta File No SYN508272_10915					
KCA 6.1 / 04	Senciuc M., Asekunowo J.	2016	SYN545974 - Storage Stability of Residues of Conjugated 2,4,6 Trichlorophenol in Animal Matrices Stored Frozen for up to Twelve Months Syngenta PTRL Europe, Ulm, Germany, PTRL Europe ID P 3669 G (final) GLP not published Syngenta File No SYN545974_10280	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.1 / 05	Schulz D., Trumper C.	2015	SYN545974 - Validation of the Syngenta Method GRM061.03A for the Determination of Residues of SYN545974 in Crop Matrices Syngenta Eurofins Agroscience Services Chem GmbH, Hamburg, Germany, S14- 05352 GLP not published Syngenta File No SYN545974_10180	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.1 / 06	Senciuc M., Asekunowo J.	2015a	SYN545974 - Validation of the Analytical Method GRM 061.07A for the Determination of Residues of Conjugated 2,4,6- Trichlorophenol in Animal Matrices Syngenta PTRL Europe, Ulm, Germany, PTRL Europe ID P 3613 G GLP	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			not published Syngenta File No SYN545974_10178					
KCA 6.4.2 / 01	Vance C., Anderson R., Harris J.	2015	SYN545974 - Magnitude of Residues in Milk and Tissues of Dairy Cows following Multiple Oral Administration of SYN545974 Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 35775 GLP not published Syngenta File No SYN545974_10288	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.2.1 / 01	Chapleo S., Johnson J.	2014	SYN545974 - Metabolism of [14C]-SYN545974 in Wheat Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 33586 GLP not published Syngenta File No SYN545974_10136	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.2.1 / 02	Inns L., Johnson J.	2014	SYN545974 - Metabolism of [14C]-SYN545974 in Tomatoes Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 34592 GLP not published Syngenta File No SYN545974_10143	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.2.1 / 03	Chapleo S., Inns L., Johnson J.	2015	SYN545974 - Metabolism of [14C]-SYN545974 in Oilseed Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 33587 GLP not published Syngenta File No	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			SYN545974_10225					
KCA 6.2.2 / 01	Przeorska J., Melville S.	2015	SYN545974 - Metabolism of [14C]-SYN545974 in the Laying Hen Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 33964 GLP not published Syngenta File No SYN545974_10282	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.2.3 / 01	Przeorska J., Melville S., Wicksted G.	2015	SYN545974 - Metabolism of [14C]-SYN545974 in the Lactating Goat Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 33963 GLP not published Syngenta File No SYN545974_10284	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.1 / 01	Yozgatli H., Winkler K.	2015	SYN545974 - Residue Study on Apple in Northern France in 2013 Syngenta Eurofins Agroscience Services Chem GmbH, Hamburg, Germany, S13- 03235 GLP not published Syngenta File No A19649B_10196	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.1 / 02	Yozgatli H., Feddersen T.	2015a	SYN545974 - Residue Study on Apple in Northern France, Germany, Hungary and the United Kingdom in 2014 Syngenta Eurofins Agroscience Services Chem GmbH, Hamburg, Germany, S14- 02743 GLP not published	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			Syngenta File No SYN545974_10308					
KCA 6.3.1 / 03	Yozgatli H., Breyer N.	2015	SYN545974 - Residue Study on Apple in Southern France and Italy in 2013 Syngenta Eurofins Agroscience Services Chem GmbH, Hamburg, Germany, S13- 03236 GLP not published Syngenta File No A19649B_10197	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.1 / 04	Yozgatli H., Feddersen T.	2015b	SYN545974 - Residue Study on Apple in Southern France, Spain, Italy and Portugal in 2014 Syngenta Eurofins Agroscience Services Chem GmbH, Hamburg, Germany, S14- 02744 GLP not published Syngenta File No A19649B_10187	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.2 / 01 & KCA 6.5.3 / 01	Tessier V.	2015	SYN545974 - Residue Study on Grapes and Processed Products in Germany, Northern France and Hungary in 2013 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S13-03421 GLP not published Syngenta File No A19649B_10177	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.2 / 02	Langridge G., Allen L.	2016	SYN545974 - Residue Study on Grapes in Northern France, Hungary, Austria and Poland in 2014	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-6535 GLP not published Syngenta File No A19649B_10158					
KCA 6.3.2 / 03 & KCA 6.5.3 / 02	Tessier V.	2015a	SYN545974 - Residue Study on Grapes and Processed Products in Spain, Southern France and Italy in 2013 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S13-03422 GLP not published Syngenta File No A19649B_10180	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.2 / 04	Langridge G.	2015a	SYN545974 - Residue Study on Grapes in Southern France, Spain, Italy and Portugal in 2014 Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-6536 GLP not published Syngenta File No A19649B_10224	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.3 / 01	Egron C.	2016	SYN545974 - Residue Study on Potato in Northern France, Poland, Germany and the United Kingdom in 2014 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S14-02733 GLP not published Syngenta File No	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			A19649B_10092					
KCA 6.3.3 / 02	Egron C.	2015	SYN545974 - Residue Study on Potato in Spain and Italy in 2014 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S14-02734 GLP not published Syngenta File No A19649B_10093	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.4 / 01	Egron C.	2015a	SYN545974 - Residue Study on Cucumber in Northern France, Germany and Hungary in 2014 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S14-02739 GLP not published Syngenta File No A19649B_10174	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.4 / 02	Egron C.	2015b	SYN545974 - Residue Study on Cucumber in Germany in 2015 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S15-01743 GLP not published Syngenta File No A19649B_10203	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.4 / 03	Egron C.	2015c	SYN545974 - Residue Study on Cucumber in Southern France, Spain and Italy in 2014 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S14-02740 GLP not published	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			Syngenta File No A19649B_10098					
KCA 6.3.5 / 01	Egron C.	2015d	SYN545974 - Residue Study on Melon in Northern France and Germany in 2014 Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S14-02741 GLP not published Syngenta File No A19649B_10113	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.5 / 02	Egron C.	2015e	SYN545974 - Residue Study on Melon in Germany and Northern France in 2015 Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S15-01745 GLP not published Syngenta File No A19649B_10205	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.5 / 03	Egron C.	2015f	SYN545974 - Residue Study on Melon in Southern France, Spain, Italy and Portugal in 2014 Syngenta Eurofins Agrosience Services Chem SAS, Vergèze, France, S14-02742 GLP not published Syngenta File No A19649B_10175	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.6 / 01	Tessier V.	2015b	SYN545974 - Residue Study on Field Tomatoes in Northern France, Germany, Poland and Hungary in 2014 Syngenta Eurofins Agrosience Services Chem	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			SAS, Vergèze, France, S14-02747 GLP not published Syngenta File No A19649B_10094					
KCA 6.3.6 / 02	Egron C.	2015g	SYN545974 - Residue Study on Field tomato in Germany in 2015 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S15-01744 GLP not published Syngenta File No A19649B_10204	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.6 / 03	Tessier V.	2015c	SYN545974 - Residue Study on Field Tomatoes in Southern France, Spain, Italy and Portugal in 2014 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S14-02748 GLP not published Syngenta File No A19649B_10095	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.7 / 01	Egron C.	2015h	SYN545974 - Residue Study on Broccoli in Northern France and Germany in 2014 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S14-03718 GLP not published Syngenta File No A19649B_10097	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.7 / 02	Brown D.	2015	SYN545974 - Residue Study on Broccoli in Germany and the UK in 2015 Syngenta Charles River	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			Laboratories, Edinburgh, United Kingdom, 37003 GLP not published Syngenta File No A19649B_10206					
KCA 6.3.7 / 03	Egron C.	2015i	SYN545974 - Residue study on Broccoli in Southern France, Italy and Spain in 2014 Syngenta Eurofins Agroscience Services Chem SAS, Vergèze, France, S14-03723 GLP not published Syngenta File No A19649B_10099	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.7 / 04	Brown D.	2015a	SYN545974 - Residue Study on Broccoli in Spain, Italy and Southern France in 2015 Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 37110 GLP not published Syngenta File No A19649B_10220	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.8 / 01	Allen L.	2015	SYN545974 - Residue Study on Cauliflower in Northern France, Hungary and Austria in 2014 Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-6540 GLP not published Syngenta File No A19649B_10157	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.8 / 02	Brown D.	2015b	SYN545974 - Residue Study on Cauliflower in North France, Germany and the UK in 2015	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 37032 GLP not published Syngenta File No A19649B_10207					
KCA 6.3.8 / 03	Allen L.	2015a	SYN545974 - Residue Study on Cauliflower in Southern France, Spain and Italy in 2014 and 2015 Syngenta CEMAS, North Ascot, United Kingdom, CEMR- 6541 GLP not published Syngenta File No A19649B_10155	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.8 / 04	Brown D.	2015c	SYN545974 - Residue Study on Cauliflower in Spain and Southern France in 2015 Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 37105 GLP not published Syngenta File No A19649B_10216	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.9 / 01	Allen L.	2015b	SYN545974 - Residue Study on Cabbage in Northern France, Hungary, Austria, Poland, Czech Republic and the United Kingdom in 2014 Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-6529 GLP not published Syngenta File No A19649B_10156	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.9 / 02	Allen L.	2015c	SYN545974 - Residue Study on	N	Y	New data for a new active substance;	SYN	N

			Cabbage in Spain and Italy in 2014 Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-6530 GLP not published Syngenta File No A19649B_10161			eligible for data protection according to SANCO/12576/2012		
KCA 6.3.10 / 01	Allen L.	2015d	SYN545974 - Residue Study on Brussels Sprouts in Northern France and Hungary in 2014 and 2015 Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-6544 GLP not published Syngenta File No A19649B_10108	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.11 / 01 & KCA 6.5.3 / 05	Allen L., Langridge G.	2016	SYN545974 - Residue Study on Curly Kale and Processed Products in Northern France, Germany, Poland, the Netherlands and the United Kingdom in 2014 Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-6542 GLP not published Syngenta File No A19649B_10227	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.3.11 / 02	Langridge G.	2015b	SYN545974 - Residue Study on Curly Kale in Southern France Italy, Bulgaria and Greece in 2014 Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-6543	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			GLP not published Syngenta File No A19649B_10215					
KCA 6.3.12 / 01	Allen L.	2015e	SYN545974 - Residue Study on Kohlrabi in Northern France, Hungary and Austria in 2014 Syngenta CEM Analytical Services Ltd (CEMAS) - Berkshire, UK, CEMR-6545 GLP not published Syngenta File No A19649B_10109	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.4.1 / 01	McDonald T.	2015	SYN545974 - Magnitude of the Residues in Tissue and Eggs Resulting from the Feeding of Three Dose Levels to Poultry 2014 Syngenta Syngenta Crop Protection, LLC, Greensboro, NC, USA, Southwest Bio-Labs, Inc. (Sbl, Inc.), Las Cruces, USA, Golden Pacific Laboratories, LLC (GPL), Fresno, USA, TK0103796, 014-01423, GPL 140575 GLP not published Syngenta File No SYN545974_50189	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.4.2 / 02	Mills B., Brown D.	2016	SYN545974 - Magnitude of Residues in Tissues of Dairy Cows Following Multiple Oral Administrations of SYN545974 Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 37460 GLP	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			not published Syngenta File No SYN545974_10421					
KCA 6.5.1 / 01	Dixon S.	2014	[14 C] SYN545974 - Aqueous Hydrolysis at 90, 100 and 120°C Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 35072 GLP not published Syngenta File No SYN545974_10110	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.5.3 / 03	Salzman F.	2015	SYN545974 SC (A19649B) - Magnitude of the Residues in or on Tomatoes and Peppers (Representative Commodities of Fruiting Vegetables Crop Group 8) USA 2013 Syngenta Syngenta Crop Protection, LLC, Greensboro, NC, USA, ADPEN Laboratories Inc., Jacksonville FL, USA, GLP Technologies, Navasota, TX, USA, TK0163552 GLP not published Syngenta File No A19649B_50034	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.5.3 / 04	Salzman F.	2015a	SYN545974 SC (A19649B) - Magnitude of the Residues in or on Apple and Pear as Representative Commodities of Pome Fruits, Group 11 USA 2014 Syngenta Syngenta Crop Protection, LLC, Greensboro, NC, USA, EPL Bio Analytical Services, 9095 West Harristown	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			Blvd., Niantic, IL, USA, ACDS Research, Inc., North Rose, USA, TK0103855, 110G948 GLP not published Syngenta File No A19649B_50122					
KCA 6.6.1 / 01	Chapleo S., Johnson J.	2015	SYN545974 - Uptake and Metabolism of [14C]-SYN545974 in Confined Rotational Crops Syngenta Charles River Laboratories, Edinburgh, United Kingdom, 34316 GLP not published Syngenta File No SYN545974_10227	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.6.2 / 01	Lakaschus S., Lau A.	2016	SYN545974 - Residue Study on Rotational Crops in Southern France and Italy during 2013 - 2015 Syngenta Eurofins Agrosience Services Chem GmbH, Hamburg, Germany, S13-01023 GLP not published Syngenta File No A19649B_10235	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 6.6.2 / 02	Lakaschus S., Lau A.	2016a	SYN545974 - Residue Study on Rotational Crops in the United Kingdom and Germany During 2013 - 2014 Syngenta Eurofins Agrosience Services Chem GmbH, Hamburg, Germany, S13-01022 GLP not published Syngenta File No	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			A19649B_10234					
KCA 6.10.1 / 01	Gatschenberger H.	2017	SYN545974 and Fludioxonil - Residues in Honey Following Exposure of Bees to Treated Winter Oilseed Rape in Germany during 2016 Syngenta Eurofins Agroscience Services EcoChem GmbH, N-Osch., Germany, S16- 02006 GLP not published Syngenta File No A8240D_12181	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
Appendix	C Egron	2015	SYN545974 - Residues study on Pepper in Northern France, Poland and Hungary in 2014. Syngenta File No. A19649B_10165, Syngenta Report No. S14-02735.	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	Syngenta	N
Appendix	C Egron	2015a	SYN545974 - Residues study on Pepper in Germany and Northern France, in 2015. Syngenta File No. A19649B_10214, Syngenta Report No. S15-01747.	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	Syngenta	N
Appendix	C Egron	2015b	SYN545974 - Residues study on Pepper in Southern France, Spain, Italy and Portugal in 2014. Syngenta File No. A19649B_10091, Syngenta Report No. S14-02736.	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	Syngenta	N
Appendix	G Langridge	2016	SYN545974 - Residues study on protected peppers in Northern France, Hungary, Austria, Southern France, Spain and Italy in 2014 and 2015. Syngenta File No. A19649B_10226,	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	Syngenta	N

			Syngenta Report No. CEMR-6539.					
Appendix	V Tessier	2015	SYN545974 - Residues study on protected tomatoes in the United Kingdom, Northern France, Southern France, Italy and Spain in 2014. Syngenta File No. A19649B_10096, Syngenta Report No. S14-02749.	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	Syngenta	N
Appendix	H Yozgatli	2015	SYN545974 - Residue Study on Protected Cherry Tomatoes in the United Kingdom, Germany, Southern France, Spain and Italy in 2015 Syngenta File No. A19649B_10223, Syngenta Report No. S15-01742.	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	Syngenta	N
Appendix	G Langridge	2016	SYN545974 - Residues study on protected cucumber in Northern France, Hungary, Austria, Southern France, Spain and Italy in 2014 and 2015. Syngenta File No. A19649B_10229, Syngenta Report No. CEMR-6533.	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	Syngenta	N
Appendix	L Allen	2015	SYN545974 - Residues study on protected melons in Northern France, Hungary, Southern France, Spain and Italy in 2014. Syngenta File No. A19649B_10107, Syngenta Report No. CEMR-6534.	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	Syngenta	N
Appendix	Celio Felipe Abreu da Silva	2016	SYN545974 and Difenconazole: A20259 – Magnitude of Residues of SYN545974 and Difenconazole in Soybean - Argentina, 2014-16 Syngenta File No.	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	Syngenta	N

			A20259E_10072, Syngenta Report No. L14005.					
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A.8. ENVIRONMENTAL FATE AND BEHAVIOUR

Studies related to active substance

Data Point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
KCA 7.1.1.1 / 01	Hurst L.	2015	SYN545974 - Aerobic Soil Metabolism of [14C]-SYN545974 Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, 3200099 GLP not published Syngenta File No SYN545974_50164 including Amendment 2, September 2016	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 7.1.1.2 / 01	Hurst L.	2015a	SYN545974 - Anaerobic Soil Metabolism of 14C-SYN545974 Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, 3200130 GLP not published Syngenta File No SYN545974_50166	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 7.1.1.2 / 02	Simmons D.	2016	Technical Statement - Estimation of the Anaerobic Soil DegT50 of 14C-SYN545974 Sum of Harsh and Non-Harsh Extracts Syngenta Syngenta Crop Protection, LLC, Greensboro, NC, USA, SYN545974_50166, 3200130 Not GLP not published Syngenta File No SYN545974_50715	N	N	-	SYN	N
KCA 7.1.1.3 / 01	Hurst L., Mould R.	2014	SYN545974 - Soil Photolysis of 14C-SYN545974 Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, 3200128 GLP not published Syngenta File No SYN545974_50182	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 7.1.2.1 / 01	Oliver R.	2016	Technical statement - Appropriate solvent extraction systems for determining soil degradation rates suitable for use in the calculation of the environmental exposure Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, Not GLP not published Syngenta File No NA_13970	N	N	-	SYN	N
KCA	Ford S.	2015	SYN545974 - Laboratory Degradation	N	N	-	SYN	N

Data Point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
7.1.2.1.1 / 01			Kinetics for Trigger and Modelling Endpoints for Parent Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/01-Kin01 Not GLP not published Syngenta File No SYN545974_10373 This is CONFIDENTIAL INFORMATION				*	
KCA 7.1.2.1.1 / 02	Ford S.	2016	SYN545974 - Laboratory Degradation Kinetics for Trigger and Modelling Endpoints for Parent - Including Harsh Extraction Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/01-Kin02 Not GLP not published Syngenta File No SYN545974_10461 This is CONFIDENTIAL INFORMATION	N	N	-	SYN *	N
KCA 7.1.2.2 / 01	Ford S.	2016a	SYN545974 - Kinetic Assessment of Field Dissipation Data for Persistence Endpoints Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/01-Kin06 Not GLP not published Syngenta File No SYN545974_10445 This is CONFIDENTIAL INFORMATION	N	N	-	SYN *	N
KCA 7.1.2.2 / 02	Ford S.	2016b	SYN545974 - Kinetic Assessment of Field Dissipation Data for Modelling Endpoints Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/01-Kin05 Not GLP not published Syngenta File No SYN545974_10444 This is CONFIDENTIAL INFORMATION	N	N	-	SYN *	N
KCA 7.1.2.2.1 / 01	Finger N.	2015	SYN545974 - Bare Soil Plot Dissipation Study in Germany in 2013 - 2015 Syngenta Eurofins Agrosience Services GmbH, Stade, Germany, S13-02237-FINAL GLP not published Syngenta File No A19649B_10166	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

Data Point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
KCA 7.1.2.2.1 / 02	Finger N.	2015a	SYN545974 - Bare Soil Plot Soil Dissipation Study in Italy in 2013-2015 Syngenta Eurofins Agrosience Services GmbH, Stade, Germany, S13-02241-FINAL GLP not published Syngenta File No A19649B_10167	N	Y	New data for a new active substance; eligible for data protection according to SANCO/1257 6/2012	SYN	N
KCA 7.1.2.2.1 / 03	Finger N.	2015b	SYN545974 - Bare Soil Plot Dissipation Study in Northern France in 2013 - 2015 Syngenta Eurofins Agrosience Services GmbH, Stade, Germany, S13-02238-FINAL GLP not published Syngenta File No A19649B_10168	N	Y	New data for a new active substance; eligible for data protection according to SANCO/1257 6/2012	SYN	N
KCA 7.1.2.2.1 / 04	Finger N.	2015c	SYN545974 - Bare Soil Plot Dissipation Study in Southern France in 2013 - 2015 Syngenta Eurofins Agrosience Services GmbH, Stade, Germany, S13-02239-FINAL GLP not published Syngenta File No A19649B_10170	N	Y	New data for a new active substance; eligible for data protection according to SANCO/1257 6/2012	SYN	N
KCA 7.1.2.2.1 / 05	Finger N.	2015d	SYN545974 - Bare Soil Plot Dissipation Study in Spain in 2013 - 2015 Syngenta Eurofins Agrosience Services GmbH, Stade, Germany, S13-02240-FINAL GLP not published Syngenta File No A19649B_10171	N	Y	New data for a new active substance; eligible for data protection according to SANCO/1257 6/2012	SYN	N
KCA 7.1.2.2.1 / 06	Finger N.	2015e	SYN545974 - Bare Soil Plot Dissipation Study in UK in 2013 - 2015 Syngenta Eurofins Agrosience Services GmbH, Stade, Germany, S13-02236-FINAL GLP not published Syngenta File No A19649B_10172	N	Y	New data for a new active substance; eligible for data protection according to SANCO/1257 6/2012	SYN	N
KCA 7.1.2.2.1 / 07	Perez S., Ratliff A., Wiepke T.	2015	Stability of SYN545974 in Representative Turfgrass Clippings, Turf Thatch-Sod Layer and Soil Matrices Under Freezer Storage Conditions Syngenta ADPEN Laboratories Inc., Jacksonville FL, USA, 2K14-901-TK0228507-001 GLP not published	N	Y	New data for a new active substance; eligible for data protection according to SANCO/1257 6/2012	SYN	N

Data Point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
			Syngenta File No SYN545974_50216					
KCA 7.1.3.1.1 / 01	Lewis C., Gilbert J.	2013	SYN545974 - Adsorption and Desorption of 14C-SYN545974 Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, 8252103 GLP not published Syngenta File No SYN545974_10060	N	Y	New data for a new active substance; eligible for data protection according to SANCO/1257 6/2012	SYN	N
KCA 7.1.3.1.2 / 01	O'Brien L., Wang J., Meyer D.	2015	SYN545547 - Adsorption and Desorption of [14C]-SYN545547 in Five Soils Syngenta Symbiotic Research, LLC, Mount Olive, NJ, USA, SR20150709A GLP not published Syngenta File No SYN545547_50000	N	Y	New data for a new active substance; eligible for data protection according to SANCO/1257 6/2012	SYN	N
KCA 7.1.3.1.2 / 02	Adam D.	2009	CSAA798670 - Adsorption Properties in Five Soils Syngenta - Jealott's Hill, Bracknell, United Kingdom Innovative Environmental Services, Witterswil, Switzerland, 115 01 014 GLP not published Syngenta File No SYN524464_11135	N	Y	New data for a new active substance; eligible for data protection according to SANCO/1257 6/2012	SYN	N
KCA 7.2.1.1 / 01	Lewis C., Gilbert J.	2015	14C-SYN545974 - Hydrolysis in Sterile Buffer at pH 4, 7 and 9 Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, Covance Laboratories Limited, Harrogate, UK, 3200053 GLP not published Syngenta File No SYN545974_50052	N	Y	New data for a new active substance; eligible for data protection according to SANCO/1257 6/2012	SYN	N
KCA 7.2.1.2 / 01	Lewis C.	2015	SYN545974 - Aqueous Photolysis of [14C]SYN545974 Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, 3200127 GLP not published Syngenta File No SYN545974_50168	N	Y	New data for a new active substance; eligible for data protection according to SANCO/1257 6/2012	SYN	N
KCA 7.2.2.1 / 01	Simon M.	2015	SYN545974 - Ready Biodegradability in a Manometric Respirometry Test Syngenta Fraunhofer Institute, Schmallenberg, Germany, SYN-029/5-09 GLP not published Syngenta File No SYN545974_10145	N	Y	New data for a new active substance; eligible for data protection according to SANCO/1257 6/2012	SYN	N
KCA	Hurst L.	2015	SYN545974 - Aerobic Mineralisation	N	Y	New data for a	SYN	N

Data Point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
7.2.2.2 / 01		b	of 14C-SYN545974 in Surface Water Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, 3200503 GLP not published Syngenta File No SYN545974_50210			new active substance; eligible for data protection according to SANCO/12576/2012		
KCA 7.2.2.3 / 01	Yeomans P.	2015	SYN545974 - Aerobic and Anaerobic Aquatic Sediment Metabolism of 14C-SYN545974 Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, 3200129 GLP not published Syngenta File No SYN545974_50204	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 7.2.2.3 / 02	Ford S.	2015a	SYN545974 - Laboratory Water/Sediment Degradation Kinetics for Modelling and Persistence Endpoints for Parent at Level PI and Metabolite SYN545547 at Level MI Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/01-KIN03 Not GLP not published Syngenta File No SYN545974_10378 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N

*Syngenta requests data confidentiality for these data. Disclosure of the information might undermine Syngenta's commercial interests by providing access to Syngenta specific know-how used to develop unique positions and approaches to risk assessment.

N.A: Not Applicable

Studies related to formulation

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
KCP 9.2.4.1 / 01	Ford S.	2015	SYN545974 - A European Leaching Assessment for Parent using the FOCUS-PEARL 4.4.4, FOCUS-PELMO 5.5.3 and FOCUS-MACRO 5.5.4 Models Following Annual Application to Grapes, Pome Fruits, Cucurbits, Tomatoes, Potatoes and Brassicas Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/01-GW01	N	N	-	SYN*	N

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
			Not GLP not published Syngenta File No SYN545974_10375 This is CONFIDENTIAL INFORMATION					
KCP 9.2.4.1 / 02	Ford S.	2016	SYN545974 - A European Leaching Assessment for Parent using the FOCUS-PEARL 4.4.4, FOCUS-PELMO 5.5.3 and FOCUS-MACRO 5.5.4 Models Following Annual Application to Grapes, Pome Fruits, Cucurbits, Tomatoes, Potatoes and Brassicas, Using Laboratory Soil DegT50 Calculated from Residues Including Harsh Extraction Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/03-GW01 Not GLP, not published Syngenta File No SYN545974_10440 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N
KCP 9.2.4.1 / 02	Bird M.	2018	SYN545974 - A Leaching Assessment for Parent only using the FOCUS PEARL 4.4.4, FOCUS PELMO 5.5.3 and FOCUS MACRO 5.5.4 Groundwater Models Following Spray Application to Grapes, Pome Fruits, Cucurbits, Tomatoes, Potatoes and Brassicas, Using Laboratory Soil DegT50 Calculated from Residues Including Harsh Extractions. Syngenta Ltd, Jealott's Hill International Research Centre, Bracknell, Berkshire, RG42 6EY, United Kingdom. Not GLP, not published Syngenta Report No. RAJ1233B (Syngenta File No. SYN545974_10612).	N	N	-	SYN*	N
KCP 9.2.4.1 / 03	Ford S.	2016a	SYN545974 - A European Leaching Assessment for Parent using the FOCUS-PEARL 4.4.4, FOCUS-PELMO 5.5.3 and FOCUS-MACRO 5.5.4 Models Following Annual Application to Grapes, Pome Fruits, Cucurbits, Tomatoes, Potatoes and Brassicas, Using a Field Derived Soil DegT50 Syngenta JSC International Ltd., Harrogate,	N	N	-	SYN*	N

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
			United Kingdom, SYN/48/03-GW02 Not GLP not published Syngenta File No SYN545974_10441 This is CONFIDENTIAL INFORMATION					
K-CP 9.2.4.1/ 04	Bird M.	2018a	SYN545974 – An Extended Leaching Assessment using the FOCUS PEARL 4.4.4 and FOCUS PELMO 5.5.3 Groundwater Models Following Application to Grapes, Pome Fruits, Cucurbits, Tomatoes, Potatoes and Brassicas. Syngenta Ltd, Jealott's Hill International Research Centre, Bracknell, Berkshire, RG42 6EY, United Kingdom. Not GLP not published Syngenta Report No. RAJ1234B (Syngenta File No. SYN545974_10616).	N	N	-	SYN*	N
KCP 9.2.5 / 01	Ford S.	2015a	SYN545974 - A FOCUS Surface Water Exposure Assessment at Steps 1 & 2 for Parent and Metabolites SYN548261, NOA449410 and SYN545547 Following Applications to Grapes, Pome Fruit, Cucurbits, Tomatoes, Potatoes and Brassicas Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/01-SW01 Not GLP not published Syngenta File No SYN545974_10376 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N
KCP 9.2.5 / 02	Ford S.	2016b	SYN545974 - A FOCUS Surface Water Exposure Assessment at Steps 1 & 2 for Parent and Metabolites SYN548261, NOA449410 and SYN545547 Following Applications to Grapes, Pome Fruit, Cucurbits, Tomatoes, Potatoes and Brassicas, Using Laboratory Soil DegT50 Calculated from Residues Including Harsh Extractions Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/03-SW01 Not GLP not published Syngenta File No SYN545974_10442	N	N	-	SYN*	N

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
			This is CONFIDENTIAL INFORMATION					
KCP 9.2.5/07	Ford S.	2017	KCP 9.2.5/07. Ford, S, (2017). SYN545974 - A FOCUS Surface Water Exposure Assessment at Steps 1 & 2 for Parent and Metabolites SYN548261, NOA449410 and SYN545547 Following Applications to Pome Fruit at BBCH 56-69, Using Laboratory Soil DegT50 Calculated from Residues Including Harsh Extractions. JSC International Limited, Harrogate, North Yorkshire, UK Not GLP not published Syngenta Report No. 0417046-SW01 (Syngenta File No. SYN545974_10560).	N	N	-	SYN*	N
KCP 9.2.5/08	Fletcher T.	2018	SYN545974 - A FOCUS Surface Water Exposure Assessment at Steps 1 & 2 for Parent and Metabolites SYN548261, NOA449410 and SYN545547 Following Applications to Following Applications to Potatoes at BBCH 31-89 Using Laboratory Soil DegT50 Calculated from Residues Including Harsh Extractions. JSC International Limited, Harrogate, North Yorkshire, UK Not GLP not published Syngenta Report No. 0440213-SW02 (Syngenta File No. SYN545974_10605).	N	N	-	SYN*	N
K-CP 9.2.5/01	Fletcher T.	2018a	A FOCUS Surface Water Exposure Assessment at Steps 1 & 2 for Parent and Metabolites SYN548261, NOA449410 and SYN545547 Following Applications to Grapes, Pome Fruit, Cucurbits, Tomatoes, Potatoes and Brassicas Using Laboratory Soil DegT50 Calculated from SFO Kinetic Fits of Residues Including Harsh Extractions. JSC International Limited, Harrogate, North Yorkshire, UK Not GLP not published Syngenta Report No. 0440213-SW04 (Syngenta File No. SYN545974_10608).	N	N	-	SYN*	N
K-CP	Fletcher T.	2018	SYN545974 - A FOCUS Surface	N	N	-	SYN	N

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
9.2.5/02		b	Water Exposure Assessment at Steps 1 & 2 for Parent and Metabolites SYN548261, NOA449410 and SYN545547 Following Applications to Grapes, Pome Fruit, Cucurbits, Tomatoes, Potatoes and Brassicas Using Field Soil DegT ₅₀ . JSC International Limited, Harrogate, North Yorkshire, UK Not GLP not published Syngenta Report No. 0440213-SW01 (Syngenta File No. SYN545974_10604).				*	
KCP 9.2.5 / 03	Ford S.	2015 b	SYN545974 - A FOCUS Surface Water Exposure Assessment at Step 3 for Parent Following Application to Grapes, Pome Fruits, Cucurbits, Tomatoes, Potatoes and Brassicas Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/01-SW02 Not GLP not published Syngenta File No SYN545974_10377 (updated version includes additional Appendix) This is CONFIDENTIAL INFORMATION	N	N	-	SYN *	N
KCP 9.2.5 / 04	Ford S.	2016c	SYN545974 - A FOCUS Surface Water Exposure Assessment at Step 3 for Parent Following Application to Grapes, Pome Fruits, Cucurbits, Tomatoes, Potatoes and Brassicas, Using Laboratory Soil DegT ₅₀ Calculated from Residues Including Harsh Extractions Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/03-SW02 Not GLP not published Syngenta File No SYN545974_10443 This is CONFIDENTIAL INFORMATION	N	N	-	SYN *	N
KCP 9.2.5/09	Ford S.	2017a	SYN545974 - A FOCUS Surface Water Exposure Assessment at Steps 3-4 for Parent Following Application to Pome Fruits at BBCH56-69, Using Laboratory Soil DegT ₅₀ Calculated from Residues Including Harsh Extractions. JSC International Limited, Harrogate,	N	N	-	SYN *	N

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
			North Yorkshire, UK Not GLP not published Syngenta Report No. 0417046-SW02 (Syngenta File No. SYN545974_10561).					
KCP 9.2.5/10	Ford S.	2017b	SYN545974 – A FOCUS Surface Water Exposure Assessment at Step 3 for Parent Following Late Season Application to Potatoes Using Laboratory Soil DegT50 Calculated from Residues Including Harsh Extractions. JSC International Limited, Harrogate, North Yorkshire, UK Not GLP not published Syngenta Report No. 0417046-SW03 (Syngenta File No. SYN545974_10562).	N	N	-	SYN*	N
K-CP 9.2.5/03	Ford S. and Fletcher T.	2018	SYN545974 – A FOCUS Surface Water Exposure Assessment at Steps 3 and 4 for Parent Following Application to Grapes, Pome Fruits, Cucurbits, Tomatoes, Potatoes and Brassicas, Using Laboratory Soil DegT50 Calculated from SFO Kinetic Fits of Residues Including Harsh Extractions. JSC International Limited, Harrogate, North Yorkshire, UK Not GLP not published Syngenta Report No. 0440213-SW05 (Syngenta File No. SYN545974_10609).	N	N	-	SYN*	N
K-CP 9.2.5/04	Ford S. and Fletcher T.	2018a	SYN545974 – A FOCUS Surface Water Exposure Assessment at Steps 3 and 4 for Parent Following Application to Grapes, Pome Fruits, Cucurbits, Tomatoes, Potatoes and Brassicas, Using Field Soil DegT50. JSC International Limited, Harrogate, North Yorkshire, UK Not GLP not published Syngenta Report No. 0440213-SW03 (Syngenta File No. SYN545974_10606).	N	N	-	SYN*	N
KCP 9.2.5 / 05	Ford S.	2016d	SYN545974 - FOCUS Surface Water Exposure Assessment at Step 3 for Parent with a Tier II Foliar Extraction Coefficient Following Application to Grapes, Pome Fruits, Cucurbits,	N	N	-	SYN*	N

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
			Tomatoes, Potatoes and Brassicas Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/01-SW03 Not GLP not published Syngenta File No SYN545974_10374 (updated version includes additional Appendix) This is CONFIDENTIAL INFORMATION					
KCP 9.2.5 / 06	Ford S.	2016e	SYN545974 - A FOCUS Surface Water Exposure Assessment at Step 3 for Parent with a Tier II Foliar Extraction Coefficient Following Application to Grapes, Pome Fruits, Cucurbits, Tomatoes, Potatoes and Brassicas, Using Laboratory Soil DegT50 Calculated from Residues Including Harsh Extractions Syngenta JSC International Ltd., Harrogate, United Kingdom, SYN/48/03-SW03 Not GLP not published Syngenta File No SYN545974_10447 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N
KCP 9.2.5 / 07	Perry A.	2016	A19649B - Determination of foliar wash-off for modelling, on Protected tomato in the United Kingdom in 2015 Syngenta Eurofins Agrosience Services Ltd, Wilson, UK, S15-04359 GLP not published Syngenta File No A19649B_10238	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/1257 6/2012	SYN	N
KCP 9.2.5 / 08	Perry A.	2016a	A19649B - Determination of foliar wash-off for modelling, on protected grape vines in the United Kingdom in 2016 Syngenta Eurofins Agrosience Services Ltd, Wilson, UK, S15-04602 GLP not published Syngenta File No A19649B_10309	N	Y	New product data provided in support of a new a.s.; Eligible for data protection according to SANCO/1257 6/2012	SYN	N

*Syngenta requests data confidentiality for these data. Disclosure of the information might undermine Syngenta's commercial interests by providing access to Syngenta specific know-how used to develop unique positions and approaches to risk assessment.

N.A: Not Applicable

A.9. ECOTOXICOLOGY DATA

A.9.1. Active substance SYN545974

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Ver teb rate stu dy Y/N	Data prote ction claim ed Y/N	Justification if data protection is claimed	Own er	Previo us evalua tion
KCA 8.1.1.1 / 01	Hubbard P., Beavers J.	2013	SYN545974 - An Acute Oral Toxicity Study with the Northern Bobwhite Using a Sequential Testing Procedure Syngenta Wildlife International Ltd., Easton, Maryland 21601, USA, 528-393 GLP not published Syngenta File No SYN545974_10062	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.1.1.1 / 02	Hubbard P., Beavers J.	2013a	SYN545974 - An Acute Oral Toxicity Study with the Canary using a Sequential Testing Procedure Syngenta Wildlife International Ltd., Easton, Maryland 21601, USA, 528-394 GLP not published Syngenta File No SYN545974_10065	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.1.1.2 / 01	Hubbard P., Martin K., Beavers J.	2013	SYN545974 - A Dietary LC50 Study with the Northern Bobwhite Syngenta Wildlife International Ltd., Easton, Maryland 21601, USA, 528-391 GLP not published Syngenta File No SYN545974_10063	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.1.1.2 / 02	Hubbard P., Martin K., Beavers J.	2013a	SYN545974 - A Dietary LC50 Study with the Mallard Syngenta Wildlife International Ltd., Easton, Maryland 21601, USA, 528-392 GLP not published Syngenta File No SYN545974_10064	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.1.1.3 / 01	Frey L., VanEvera S., Martin K., Beavers J.	2015	SYN545974 - A Reproduction Study with the Northern Bobwhite Syngenta Wildlife International Ltd., Easton, Maryland 21601, USA, 528-396 GLP not published Syngenta File No	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N

			SYN545974_10130					
KCA 8.1.1.3 / 02	Frey L., VanEvera S., Martin K., Beavers J.	2014	SYN545974 - A Reproduction Study with the Mallard Syngenta Wildlife International Ltd., Easton, Maryland 21601, USA, 528-397 GLP not published Syngenta File No SYN545974_10134	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.1.5 / 01 & KCA 8.2.3 / 01	Maynard S.	2016	SYN545974 - Review for Potential for Endocrine Disruption in Ecotoxicological Species Syngenta Syngenta - Jealott's Hill, Bracknell, United Kingdom, Not GLP not published Syngenta File No SYN545974_10363 This is CONFIDENTIAL INFORMATION	N	N	-	SYN*	N
KCA 8.2.1 / 01	Fournier A.	2012	SYN545974 - Acute Toxicity to Rainbow Trout (<i>Oncorhynchus mykiss</i>) Under Flow-Through Conditions Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6840 GLP not published Syngenta File No SYN545974_10014	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.1 / 02	Fournier A.	2013	SYN545974 - Acute Toxicity to Fathead Minnow (<i>Pimephales promelas</i>) Under Flow-Through Conditions Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6883 GLP not published Syngenta File No SYN545974_10068	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.1 / 03	Fournier A.	2013a	SYN545974 - Acute Toxicity to Carp (<i>Cyprinus carpio</i>) Under Flow-Through Conditions Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6882 GLP not published Syngenta File No SYN545974_10066	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.1 / 04	Fournier A.	2013b	SYN545974 - Acute Toxicity to Sheepshead Minnow (<i>Cyprinodon variegatus</i>) Under Flow-Through Conditions Syngenta	Y	Y	New data for a new active substance; eligible for data protection	SYN	N

			Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6884 GLP not published Syngenta File No SYN545974_10067			according to SANCO/12576/ 2012		
KCA 8.2.1 / 05	Fournier A.	2014	SYN545974 - Acute Toxicity to Bluegill Sunfish (<i>Lepomis macrochirus</i>) Under Flow - Through Conditions Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.7025 GLP not published Syngenta File No SYN545974_10129	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.1 / 06	Shaw A.	2015	SYN545547 - Acute Toxicity Test with Rainbow Trout (<i>Oncorhynchus mykiss</i>) under static conditions Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.7096 GLP not published Syngenta File No SYN545547_10001	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.1 / 07	Anderson M., Woods A.	2016	SYN548261 - Acute Toxicity to <i>Oncorhynchus mykiss</i> Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, 3201085 GLP not published Syngenta File No SYN548261_10002	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.1 / 08	Nierzedzka E.	2009	M700F001 (metabolite of BAS 700 F) - Acute toxicity for rainbow trout BASF, Syngenta Institute of Industrial Organic Chemistry, Pszczyna, Poland, 2009/1021591, W/09/09 GLP not published Syngenta File No CA4312_10909	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.2.1 / 01	Sayers L.	2015	SYN545974 - Early Life-Stage Toxicity Test with Fathead Minnow (<i>Pimephales promelas</i>) Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6843 GLP not published Syngenta File No SYN545974_10080	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.2.1 /	Sayers L.	2015a	SYN545974 - Early Life-Stage Toxicity Test with Sheepshead	Y	Y	New data for a new active	SYN	N

02			Minnow, <i>Cyprinodon variegatus</i> Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6979 GLP not published Syngenta File No SYN545974_10293			substance; eligible for data protection according to SANCO/12576/ 2012		
KCA 8.2.2.3 / 01	Kang S.	2014	SYN545974 - Flow-through Bioconcentration and Metabolism Study with Bluegill Sunfish (<i>Lepomis macrochirus</i>) Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6900 GLP not published Syngenta File No SYN545974_10093	Y	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.1 / 01	Fournier A.	2012a	SYN545974 - Acute Toxicity to Water Fleas (<i>Daphnia magna</i>) Under Static Conditions Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6839 GLP not published Syngenta File No SYN545974_10016	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.1 / 02	Shaw A.	2015a	SYN545547 - Acute Toxicity to Water Fleas (<i>Daphnia magna</i>) Under Static Conditions Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.7095 GLP not published Syngenta File No SYN545547_10000	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.1 / 03	Anderson M., Woods A.	2016a	SYN548261 - Acute Toxicity to Water Fleas, (<i>Daphnia magna</i>) under Static Conditions Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, 3201086 GLP not published Syngenta File No SYN548261_10000	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.1 / 04	Nierzedzka E.	2009a	M700F001 (metabolite of BAS 700 F) - <i>Daphnia magna</i> , acute immobilization test BASF, Syngenta Institute of Industrial Organic Chemistry, Pszczyna, Poland, 2009/1021592, W/10/09 GLP not published Syngenta File No CA4312_10908	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	In DAR of Benzo vindifl upyr (2015)

KCA 8.2.4.2 / 01	Fournier A.	2012b	SYN545974 - Acute toxicity to Mysid (<i>Americamysis bahia</i>), under static conditions Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6838 GLP not published Syngenta File No SYN545974_10015	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.2 / 02	Fournier A.	2014a	SYN545974 - Toxicity to Eastern Oyster (<i>Crassostrea virginica</i>) Under Flow-Through Conditions Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6885 GLP not published Syngenta File No SYN545974_10099	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.2 / 03	Pickering F.	2015	SYN545974 - Acute toxicity of SYN545974 to <i>Asellus aquaticus</i> Syngenta Cambridge Environmental Assessments, United Kingdom, CEA.1644 GLP not published Syngenta File No SYN545974_10305	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.2 / 04	Joyce F.	2015	SYN545974 - Acute toxicity of SYN545974 to <i>Chaoborus</i> <i>crystallinus</i> Syngenta Cambridge Environmental Assessments, United Kingdom, CEA.1666 GLP not published Syngenta File No SYN545974_10341	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.2 / 05	Joyce F.	2015a	SYN545974 - Acute toxicity of SYN545974 to <i>Chironomus</i> <i>riparius</i> Syngenta Cambridge Environmental Assessments, United Kingdom, CEA.1667 GLP not published Syngenta File No SYN545974_10316	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.2 / 06	Pickering F.	2015a	SYN545974 - Acute toxicity of SYN545974 to <i>Cloeon dipterum</i> Syngenta Cambridge Environmental Assessments, United Kingdom, CEA.1664 GLP	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/	SYN	N

			not published Syngenta File No SYN545974_10315			2012		
KCA 8.2.4.2 / 07	Pickering F.	2015b	SYN545974 - Acute Toxicity of SYN545974 to <i>Crangonx pseudogracilis</i> Syngenta Cambridge Environmental Assessments, United Kingdom, CEA.1661 GLP not published Syngenta File No SYN545974_10306	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.2 / 08	Joyce F.	2015b	SYN545974 - Acute toxicity of SYN545974 to <i>Cyclops agilis speratus</i> Syngenta Cambridge Environmental Assessments, United Kingdom, CEA.1662 GLP not published Syngenta File No SYN545974_10347	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.2 / 09	Brougher D., Gallagher S., Siddiqui A.	2015	SYN545974 - A 48-hour static acute toxicity test with the freshwater amphipod (<i>Hyaella azteca</i>) Syngenta Wildlife International Ltd., Easton, Maryland 21601, USA, 528A-287 GLP not published Syngenta File No SYN545974_10354	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.2 / 10	Pickering F.	2015c	SYN545974 - Acute toxicity of SYN545974 to <i>Lumbriculus variegatus</i> Syngenta Cambridge Environmental Assessments, United Kingdom, CEA.1642 GLP not published Syngenta File No SYN545974_10304	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.4.2 / 11	Pickering F.	2015d	SYN545974 - Acute toxicity of SYN545974 to <i>Lymnaea stagnalis</i> Syngenta Cambridge Environmental Assessments, United Kingdom, CEA.1645 GLP not published Syngenta File No SYN545974_10303	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.2.5.1 /	Fournier A.	2015	SYN545974 - Full Life-Cycle Toxicity Test with Water Fleas,	N	Y	New data for a new active	SYN	N

01			<i>Daphnia magna</i> , Under Static Renewal Conditions Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6842 GLP not published Syngenta File No SYN545974_10017			substance; eligible for data protection according to SANCO/12576/2012		
KCA 8.2.5.2 / 01	Sayers L.	2015b	SYN545974 - Life-Cycle Toxicity Test with Mysids (<i>Americamysis bahia</i>) Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6886 GLP not published Syngenta File No SYN545974_10167	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.5.3 / 01	Thomas S., Keller K., Martin K., Gallagher S.	2015	SYN545547 - A Prolonged Sediment Toxicity Test with the Midge (<i>Chironomus riparius</i>) Using Spiked Sediment Syngenta Wildlife International Ltd., Easton, Maryland 21601, USA, 528A-286 GLP not published Syngenta File No SYN545547_10004	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.5.4 / 01	Bradley M.	2015	SYN545974 - Life-cycle Toxicity Test Exposing Midges (<i>Chironomus dilutes</i>) to Spiked Sediment Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6889 GLP not published Syngenta File No SYN545974_10095	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.5.4 / 02	Bradley M.	2015a	SYN545974 - 42-Day Toxicity Test Exposing Freshwater Amphipods (<i>Hyaella azteca</i>) to Spiked Sediment Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6890 GLP not published Syngenta File No SYN545974_10094	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.5.4 / 03	Bradley M.	2015b	SYN545974 - 10-Day Toxicity Test Exposing Estuarine Amphipods (<i>Leptocheirus plumulosus</i>) to a Test Substance Applied to Sediment under Static Conditions Syngenta	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/	SYN	N

			Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.7069 GLP not published Syngenta File No SYN545974_50120			2012		
KCA 8.2.6.1 / 01	Kirkwood A.	2013	SYN545974 - 96-hour Toxicity Test with the Freshwater Green Alga, <i>Pseudokirchneriella subcapitata</i> Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6841 GLP not published Syngenta File No SYN545974_10013	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.6.1 / 02	Softcheck K.	2015	SYN545547 - 96-Hour Toxicity Test with the Freshwater Green Alga, <i>Pseudokirchneriella subcapitata</i> Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.7094 GLP not published Syngenta File No SYN545547_10002	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.6.1 / 03	Anderson M., Woods A.	2016b	SYN548261 - Inhibition of Growth to the Alga <i>Pseudokirchneriella subcapitata</i> in a 96-hour test Syngenta Smithers Viscient (ESG) Ltd, Harrogate, UK, 3201084 GLP not published Syngenta File No SYN548261_10001	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.6.1 / 04	Nierzedzka E.	2009b	M700F001 (metabolite of BAS 700 F): <i>Pseudokirchneriella subcapitata</i> SAG.61.81 growth inhibition test BASF, Syngenta Institute of Industrial Organic Chemistry, Pszczyna, Poland, 2009/1102103, 2009/1021593, W/11/09 GLP not published Syngenta File No CA4312_10907	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	Y
KCA 8.2.6.2 / 01	Soucy K.	2013	SYN545974 - Toxicity Test to the Freshwater Blue-Green Alga, <i>Anabaena flos-aquae</i> Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6881 GLP not published Syngenta File No	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N

			SYN545974_10091					
KCA 8.2.6.2 / 02	Soucy K.	2015	SYN545974 - 96-Hour Toxicity Test with the Freshwater Diatom, <i>Navicula pelliculosa</i> Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6879 GLP not published Syngenta File No SYN545974_10097	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.6.2 / 03	Soucy K.	2014	SYN545974 - 96-Hour Toxicity Test with the Marine Diatom, <i>Skeletonema costatum</i> Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6880 GLP not published Syngenta File No SYN545974_10105	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.2.7 / 01	Soucy K.	2015a	SYN545974 - 7-Day Toxicity Test with Duckweed (<i>Lemna gibba</i>) Syngenta Smithers Viscient, 790 Main Street, Wareham, MA, USA, 1781.6878 GLP not published Syngenta File No SYN545974_10088	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.3.1.1.1 / 01	Kling A.	2012	SYN545974 - Acute Oral and Contact Toxicity to the Honeybee <i>Apis mellifera</i> L. in the Laboratory Syngenta Eurofins Agrosience Services EcoChem GmbH, N-Osch., Germany, S11-03873 GLP not published Syngenta File No SYN545974_10010	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.3.1.3 / 02	Deslandes L.	2015	SYN545974 - A laboratory study to determine the chronic effects on the brood of the honey bee <i>Apis mellifera</i> L. (Hymenoptera: Apidae). Syngenta SynTech Research France SAS, La Chapelle de Guinchay, France, 037SRFR15C06 GLP not published Syngenta File No SYN545974_10279	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.4 / 01	Friedrich S.	2012	SYN545974 - Acute toxicity to the earthworm <i>Eisenia fetida</i> Syngenta BioChem Agrar, Gerichshain, Germany, 12 10 48 076 S	N	Y	New data for a new active substance; eligible for data protection	SYN	N

			GLP not published Syngenta File No SYN545974_10008			according to SANCO/12576/ 2012		
KCA 8.5 / 01	Schulz L.	2015	SYN545974 - Effects on the Activity of Soil Microflora (Nitrogen and Carbon Transformation Tests) Syngenta BioChem Agrar, Gerichshain, Germany, 15 10 48 111 C/N GLP not published Syngenta File No SYN545974_10275	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.5 / 02	Schulz L.	2017	SYN545974 - Effects on the Activity of Soil Microflora (Nitrogen and Carbon Transformation Tests) Syngenta BioChem Agrar, Gerichshain, Germany Report ID No.; 17 48 SMO 0015 GLP not published Syngenta File No SYN545974_10535	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.8 / 01	Eisner G.	2013	SYN545974 - Toxicity to Activated Sludge in a Respiration Inhibition Test Syngenta Harlan Laboratories Ltd., Itingen, Switzerland, D64647 GLP not published Syngenta File No SYN545974_10061	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N

A.9.2. Formulation A19649B

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Ver teb rate stu dy Y/N	Data prote ction claim ed Y/N	Justification if data protection is claimed	Own er	Previo us evalua tion
KCA 8.3.1.2 / 01	Ruhland S.	2014	A19649B - Chronic Toxicity to the Honeybee <i>Apis mellifera</i> L. in a 10 Day Continous Laboratory Feeding Study Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 004 B GLP not published Syngenta File No A19649B_10055	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.3.1.3 /	Kleebaum K.	2015	SYN545974 SC (A19649B) - Chronic toxicity to the honeybee	N	Y	New data for a new active	SYN	N

01			larvae <i>Apis mellifera</i> L. under laboratory conditions (in vitro) Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 005 B GLP not published Syngenta File No A19649B_10076			substance; eligible for data protection according to SANCO/12576/2012		
KCA 8.3.1.3 / 03	Deslandes L.	2015a	SYN545974 SC (A19649B) - A laboratory study to determine the chronic effects on the brood of the honey bee <i>Apis mellifera</i> L. (Hymenoptera: Apidae). Syngenta SynTech Research France SAS, La Chapelle de Guinchay, France, 037SRFR15C07 GLP not published Syngenta File No A19649B_10184	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCP 10.3.1.5/ 01	Gonsior G.	2017	Pydiflumetofen SC (A19649B) - A Semi-Field Study to Evaluate the Side Effects on Honeybees (<i>Apis mellifera</i> L.) in <i>Phacelia tanacetifolia</i> in Germany 2016. Report number S16-000293. Eurofins Agroscience Services EcoChem GmbH/Eurofins Agroscience Services Ecotox GmbH, Eutinger Str. 46, 75223 Niefern-Öschelbronn, Germany (Syngenta file No. A19649B_10312)	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCP 10.3.1.5/ 02	Schnurr A.	2018	Pydiflumetofen SC (A19649B) - A semi-field study to evaluate the side effects on the honey bee <i>Apis mellifera</i> L. in Germany in 2017 Syngenta - Jealott's Hill, Bracknell, United Kingdom BioChem Agrar, Gerichshain, Germany, 17 48 BTB 0003 GLP not published Syngenta File No A19649B_10349	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCP 10.3.1.5/ 03	Kleinhenz M.	2017	Pydiflumetofen SC (A19649B) - A Semi-Field Study to Evaluate the Side Effects on Honeybees (<i>Apis mellifera</i> L.) in <i>Phacelia tanacetifolia</i> in Germany 2016. Report number S16-04919. Eurofins Agroscience Services EcoChem GmbH/Eurofins Agroscience Services Ecotox GmbH, Eutinger Str. 46, 75223 Niefern-Öschelbronn, Germany (Syngenta File No. A19649B_10314)	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.3.2.1 /	Stevens J.	2016	SYN545974 SC (A19649B) - A rate-response laboratory bioassay	N	Y	New data for a new active	SYN	N

01			of the effects of fresh residues on the parasitic wasp <i>Aphidius rhopalosiphi</i> Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-14-56 GLP not published Syngenta File No A19649B_10049			substance; eligible for data protection according to SANCO/12576/2012		
KCA 8.3.2.1 / 02	Stevens J.	2015	SYN545974 SC (A19649B) - A rate-response extended laboratory bioassay of the effects of fresh residues on the parasitic wasp <i>Aphidius rhopalosiphi</i> (Hymenoptera, Braconidae) Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-15-62 GLP not published Syngenta File No A19649B_10103	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.3.2.2 / 01	Fallowfield L.	2016	SYN545974 SC (A19649B) - A rate-response laboratory bioassay of the effects of fresh residues on the predatory mite <i>Typhlodromus pyri</i> Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-14-57 GLP not published Syngenta File No A19649B_10032	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.3.2.2 / 02	Fallowfield L.	2015	SYN545974 SC (A19649B) -- A rate-response extended laboratory bioassay of the effects of fresh residues on the predatory mite <i>Typhlodromus pyri</i> (Acari: Phytoseiidae) Syngenta Mambo-Tox Ltd., Southampton, United Kingdom, SYN-15-63 GLP not published Syngenta File No A19649B_10173	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.4.1 / 01	Friedrich S.	2015	SYN545974 SC (A19649B) - Sublethal toxicity to the Earthworm <i>Esienia fetida</i> in artificial soil with 5% peat Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 224 S GLP not published Syngenta File No A19649B_10073	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/2012	SYN	N
KCA 8.4.2.1 / 01	Friedrich S.	2014	SYN545974 SC (A19649B) - Effects on the reproduction of the Collembolan <i>Folsomia candida</i> Syngenta BioChem Agrar Sp. z o.o.,	N	Y	New data for a new active substance; eligible for data protection	SYN	N

			Gosciecin, Poland, 14 10 48 225 S GLP not published Syngenta File No A19649B_10046			according to SANCO/12576/ 2012		
KCA 8.4.2.1 / 02	Schulz L.	2014	SYN545974 SC (A19649B) - Effects on the reproduction of the predatory mite <i>Hypoaspis aculeifer</i> Syngenta BioChem Agrar, Gerichshain, Germany, 14 10 48 226 S GLP not published Syngenta File No A19649B_10038	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.6.2 / 01	Porch J., Swerida R., Martin K., Keller K.	2015	SYN545974 SC (A19649B) - Toxicity Effects on the Vegetative Vigour of Ten Species of Plants Syngenta Wildlife International Ltd., Easton, Maryland 21601, USA, 528P-116 GLP not published Syngenta File No A19649B_10077	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.6.2 / 02	Porch J., Swerida R., Martin K., Keller K.	2015a	SYN545974 SC (A19649B) - Toxicity Effects on the Seedling Emergence of Ten Species of Plants Syngenta Wildlife International Ltd., Easton, Maryland 21601, USA, 528P-115 GLP not published Syngenta File No A19649B_10105	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N
KCA 8.6.2 / 03	Porch J., Martin K., Keller K., Krueger H.	2015b	SYN545974 SC (A19649B) - Toxicity Effects on the Seedling Emergence of Ten Species of Plants Syngenta Wildlife International Ltd., Easton, Maryland 21601, USA, 528P-124 GLP not published Syngenta File No A19649B_10178	N	Y	New data for a new active substance; eligible for data protection according to SANCO/12576/ 2012	SYN	N