FINAL REGISTRATION REPORT

Part B

Section 6

Mammalian Toxicology

Detailed summary of the risk assessment

Product code: CLOROL 200 SC

Product name(s): Catanga 200 SC, Boland 200 SC

Chemical active substance:

Chlorantraniliprole, 200 g/L

Central Zone

Zonal Rapporteur Member State: Poland

CORE ASSESSMENT

(authorization)

Applicant: Innvigo Sp. z o.o.

Submission date: September 2024

zRMS Assessment: 12 September 2025

Following commenting period/Verification List of References: 18 November 2025

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When	What
September 2025	zRMS assessment
November 2025	Following commenting period/Verification List of References
June 2026	Correction by zRMS

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No comments during commenting period.

6 Mammalian Toxicology (KCP 7)

Studies for chlorantraniliprole and Coragen 200 SC have been evaluated during inclusion of it on Annex 1 and approved in 02.08.2007. Also First registration on Coragen 200 SC in Poland was in 2011 (Authorization number: R-65/2011). According to reg. 1107/2009 data protection is expiring after 10 years since first registration, so data for chlorantraniliprole and Coragen 200 SC is already not longer protect. Additionaly Clorol 200 SC is chemically equivalent to ~~and~~ Coragen 200 ~~SC have the same compostion of formulation~~.

Therefore, to sup-port the authorization of Clorol 200 SC (Catanga 200 SC, Boland 200 SC) INNVIGO is allowed to refer to EU and Coragen 200 SC approved reports.

6.1 Summary

Table 6.1-1: Information on CLOROL 200 SC *

Product name and code	CLOROL 200 SC/ Catanga 200 Sc, Boland 200 SC
Formulation type	Suspencion concentrate [Code: SC]
Active substance(s) (incl. content)	chlorantraniliprole 200 g/L
Function	Insecticide
Product already evaluated as the 'representative formulation' during the approval of the active substance(s)	No
Product previously evaluated in another MS according to Uniform Principles	No

* Information on the detailed composition of CLOROL 200 SC/name can be found in the confidential dRR Part C.

Justified proposals for classification and labelling

According to the criteria given in Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008, the following classification and labelling with regard to toxicological data is proposed for the preparation:

Table 6.1-2: Justified proposals for classification and labelling for CLOROL 200 SC according to Regulation (EC) No 1272/2008

Hazard class(es), categories:	~~Product CHR/RW/PROH is not considered as dangerous according to Regulation (EC) No. 1272/2008.~~ None
Hazard pictograms or Code(s) for hazard pictogram(s):	~~No hazard pictrograms or codes for hazard pictrograms are required according to Regulation (EC) No. 1272/2008.~~ None
Signal word:	~~No signal wording is required according to Regulation (EC) No. 1272/2008.~~ None
Hazard statement(s):	None
Precautionary statement(s):	None
Additional labelling phrases:	To avoid risks to man and the environment, comply with the instructions for use. [EUH401] Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction [EUH208]

Table 6.1-3: Summary of risk assessment for operators, workers, bystanders and residents for CLOROL 200 SC

	Result	PPE / Risk mitigation measures
Operators	Acceptable	~~Glove only for dense type cultivation for orchards~~ Field use: None Greenhouse use low crops: None Greenhouse use normal foliage high crops: None Greenhouse use dense foliage high crops: for manual knapsack workwear, face shield and gloves for mixing and loading and certified protective coverall and gloves for application.
Workers	Acceptable	None
Bystanders	Acceptable	None
Residents	Acceptable	None

No unacceptable risk for operators, workers, bystanders and residents was identified when the product is used as intended and provided that the PPE/ risk mitigation measures stated in Table 6.1-3 are applied.

A summary of the critical uses and the overall conclusion regarding exposure for operators, workers and bystanders/residents is presented in the following table.

Table 6.1-4 Critical uses and overall conclusion of exposure assessment

1	2	3	4	5	6	7	8	9	10			
Use-No.*	**Crops and situation (e.g. growth stage of crop)**	**F, Fn, Fpn G, Gn, Gpn or I ******	**Application**		**Application rate**		**PHI (d)**	**Remarks:** **(e.g. safener/synergist (L/ha))** **critical gap for operator, worker, bystander or resident exposure based on [Exposure model]**	**Acceptability of exposure assessment**			
			Method / Kind **(incl. application technique *****)**	**Max. number (min. interval between applications)** **a) per use** **b) per crop/ season**	**Max. application rate kg as/ha** **a) a.s. 1** **b) a.s. 2**	**Water L/ha** **min / max**			**Operator**	**Worker**	**Bystander**	**Residents**
2, 3, 4, 22, 24,	Field Crops	F	Spraying, LCTM	2 ; 14	a) 0.040	200 - 400	7, 1	Risk envelope for: Maize, Oilseed				

1	2	3	4	5	6	7	8	9	10			
26, 27, 28, 29, 31, 32, 34, 77								rape, sweet corn, sorghum, flax, mustard, poppy, sunflower, soybean, hemp [Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products; EFSA Journal 2022;20(1):7032]				
1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 35, 36, 37, 40, 41, 68, 69, 70, 71, 72, 79, 80, 81, 82, 93	Low vegetables	F	Spraying, LCTM,HH	2:7	a) 0.05	200 – 1000	14, 21, 1	Risk envelop for: Potato, cabbage, carrot, beetroot, horseradish, radish, celery, Jerusalem sartichoke, parsley, parsnip, salsify, rutabaga, turnip, scorzonera, pumpkin, kale, caluliflower, vbroccoli, lettuce, corn salad, endivie, spinach, arugula, gardenn cress, swiss chard, purslane, [Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products; EFSA Journal 2022;20(1):7032]				
68, 69, 70, 71, 72, 79, 80, 82	Low vegetables	G	Spraying, LCHHHH	2; 7	a) 0.05	200 – 1000	1	Risk envelope for: Lettuce, corn salad, endive, garden cress, arugula, spinach, swiss chard, purslane [Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products; EFSA Journal 2022;20(1):7032]				
66, 67, 83, 84, 86, 87, 90, 92, 93, 94, 95	High vegetables	G	Spraying, HCHHHH	2; 7	b) 0.063	200 – 1200	1	Risk envelope for: Cucumber, Pepper, Tomato, Pumpkin, Watermelon, Melon, Aubergine, Zucchini, Bush squash, Canada crookneck, spaghetti squash				

1	2	3	4	5	6	7	8	9	10			
								[Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products; EFSA Journal 2022;20(1):7032]				
58, 60, 61, 62, 63, 64	High ornamentals	F	Spraying; HCTM~~HH~~	2; 7	a) 0.110	200 – 1000	1, n/a	Risk envelope for: Tobacco, ornamentals, energetic tree, willow, Christmas tree, forestry tree, [Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products; EFSA Journal 2022;20(1):7032]				
57	Viticulture	F	Spraying, HCTM,HH	1; -	a) 0.054	700 – 1500	30	Risk envelope for Grapevine [Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products; EFSA Journal 2022;20(1):7032]				
59	Agricultural Grassland	F	Spraying, LCTM,	1; -	a) 0.035	200 – 400	n/a	Risk envelope for: Grass [Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products; EFSA Journal 2022;20(1):7032]				
59	Amenity Grassland	F	Spraying, LCTM~~, HH~~	1; -	a) 0.035	200 – 400	n/a	Risk envelope for: Grass [Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products; EFSA Journal 2022;20(1):7032]				
5, 6, 42, 43, 44, 46,	Orchards	F	Spraying, HCTM~~, HH~~	2; 14	a) 0.035	200 – 750	14, n/a	Risk envelope for: Apple, Pears, Plum, Quince,				

1	2	3	4	5	6	7	8	9	10			
47, 49, 50, 51, 52, 60, 61, 64, 63								Medlar, Peach, Apricot, Cherry, Energetic tree Willow, Christmas tree, forestry tree [Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products; EFSA Journal 2022;20(1):7032]				

* Use number(s) in accordance with the list of all intended GAPs in Part B, Section 0 should be given in column 1
** F: professional field use, Fn: non-professional field use, Fpn: professional and non-professional field use, G: professional greenhouse use, Gn: non-professional greenhouse use, Gpn: professional and non-professional greenhouse use, I: indoor application
*** e.g. LC: low crops, HC: high crop, TM: tractor-mounted, HH: hand-held

Explanation for column 10 "Acceptability of exposure assessment"

A	Exposure acceptable without PPE / risk mitigation measures
R	Further refinement and/or risk mitigation measures required
N	Exposure not acceptable/ Evaluation not possible

Data gaps

Data gaps should be listed in the summary to give an overview (especially for cMS).

Noticed data gaps are:

- data gap 1
- data gap 2
- data gap 3

6.2 Toxicological Information on Active Substance(s)

Information regarding classification of the active substances and on EU endpoints and critical areas of concern identified during the EU review are given in Table 6.2-1.

Table 6.2-1: Information on active substance(s)

	Chlorantraniliprole
Common Name	Chlorantraniliprole
CAS-No.	500008-45-7
Classification and proposed labelling	
With regard to toxicological endpoints (according to the criteria in Reg. 1272/2008, as amended)	Hazard classes (s), categories: none Code(s) for hazard pictogram(s): none Signal word: none Hazard statement(s): none Precautionary statement(s): none
Additional C&L proposal	~~Please insert proposal for additional C&L if no (sufficient) harmonized~~

	Chlorantraniliprole
	~~classification is available~~ none
Agreed EU endpoints	
AOEL systemic	0.36 mg/kg bw/d (corrected for 13 % oral absorption)
Reference	EFSA Journal 2013;11(6):3143 SANCO/12081/2013 rev 2, 3 October 2013, 26 January 2018
Conditions to take into account/critical areas of concern with regard to toxicology	
EFSA Journal 2013;11(6):3143 and SANCO/12081/2013 rev 2, 3 October 2013, 26 January 2018 for active substance	None

6.3 Toxicological Evaluation of Plant Protection Product

A summary of the toxicological evaluation for CLOROL 200 SC is given in the following tables. Full summaries of studies on the product that have not been previously considered within an EU peer review process are described in detail in Appendix 2.

Comments of zRMS:

CLOROL 200 SC was not a representative formulation reviewed during the Annex I inclusion/active substances renewal and was not previously evaluated in any EU countries. For the product registration no experimental acute toxicity data are available. An assessment of acute toxicity including irritancy and skin sensitisation properties of CLOROL 200 SC has been conducted by the applicant based on the alternative method (calculation) according to the Regulation (EC) 1272/2008. Classification of all relevant ingredients were considered by the applicant. For specific target organ toxicity, reprotoxicity and carcinogenicity the alternative method (calculation) according to the Regulation (EC) 1272/2008 was applied. Details of the calculation can be found in Part C.
Proposed classification based on alternative method according to Regulation (EC) 1272/2008 is acceptable by the zRMS:PL.
However, CLOROL 200 SC is chemically equivalent to CORAGEN 200 SC. 10 years for registration data of CORAGEN 200 SC was expired in Poland. Thus, the data protection of studies provided in the registration report of CORAGEN 200 SC has expired.
In opinion of zRMS according to current requirements the studies are acceptable for toxicological evaluation of CLOROL 200 SC. zRMS:PL refers to above mentioned studies within its evaluation of acute toxicity. Alternative method for product classification according to Regulation (EC) 1272/2008 provided by the applicant for acute toxicity is considered by zRMS:PL as supportive.
A summary of the toxicological evaluation for Chlorantraniliprole 200 g/L SC (CORAGEN 200 SC) is given in the following table. There are no studies on the product that have not been previously considered within an EU peer review process.
*Studies have been reviewed and accepted during EU review of active substance and the registration process of CORAGEN 200 SC, zRMS:PL did not performed a new assessment.

Type of test, species, model system (Guideline)	Result	Acceptability	Classification (acc. to the criteria in Reg. 1272/2008)	Reference
LD_{50} oral, rat (OPPTS 870.1100 (2002), OECD 425 (2001))	LD_{50} >5000 mg/kg bw	Yes*	Not Classified	Finlay, C. 2006 (DuPont-18063)

	LD_{50} dermal, rat (OPPTS 870.1200 (1998); OECD 402 (1987); EEC Method B.3 Directive 92/69/EEC (1992); MAFF Japan Testing Guidelines for Toxicity Studies Notification Number 12-Nouan-8147 (2000))	LD_{50} >5000 mg/kg bw	Yes*	Not Classified	Finlay, C. 2006 (DuPont-18065)
	LC_{50} inhalation, rat (OPPTS 870.1300 (1998); OECD 403 (1981); EEC Method B.2 (1992); 59 NouSan No. 4200 (1985))	LC_{50} >2.0 mg/L	Yes*	Not Classified	Finlay, C. 2006 (DuPont-18077)
	Skin irritation, rabbit (OPPTS 870.2500 (1998); OECD 404 (2002); EEC Method B.4 (1992); MAFF Japan 12-Nouan-8147 (2000))	Not irritating	Yes*	Not Classified	Finlay, C. 2005 (DuPont-18067)
	Eye irritation, rabbit (OPPTS 870.2400 (1998); OECD 405 (2002); EEC Method B.5 (1992); MAFF Japan 12-Nouan-8147 (2000))	Slight irrita-tion clearing in 48 hours	Yes*	Not Classified	Finlay, C. 2005 (DuPont-18069)
	Skin sensitisation, mouse (OPPTS 870.2600 (2003); OECD 429 (2001) LLNA)	Not sensitiz-ing	Yes*	Not Classified	Finlay, C. 2006 (DuPont-18072)
	Supplementary studies for combinations of plant protec-tion products	not required			

Table 6.3-1: Summary of evaluation of the studies on acute toxicity including irritancy and skin sensitisation for CLOROL 200 SC

Type of test, species, model system (Guideline)	Result	Acceptability	Classification (acc. to the criteria in Reg. 1272/2008)	Reference
LD_{50} oral, rat (calculation method – alternative method)	> 2000 mg/kg bw	Supportive	None	I. Muchewicz, 2024
LD_{50} dermal, rat (calculation method – alternative method)	> 2000 mg/kg bw	Supportive	None	I. Muchewicz, 2024
LC_{50} inhalation, rat (calculation method – alternative method)	> 1.5 mg/l	Supportive	None	I. Muchewicz, 2024
Skin irritation, (calculation method – alternative method)	Non-irritant	Supportive	None	I. Muchewicz, 2024
Eye irritation, (calculation method – alternative method)	Non-irritant	Supportive	None	I. Muchewicz, 2024

Skin sensitisation, (calculation method – alternative method)	Non-sensitising	Supportive	None	I. Muchewicz, 2024
Supplementary studies for combinations of plant protection products	No data – not required			

Table 6.3-2: Additional toxicological information relevant for classification/labelling of CLOROL 200 SC

	Substance (Concentration in product, % w/w)	**Classification of the substance (acc. to the criteria in Reg. 1272/2008)**	**Reference**	**Classification and labelling of product (acc. to the criteria in Reg. 1272/2008)**
Toxicological properties of active substance(s) (relevant for classification of product)	Chlorantraniliprole (3 % w/w)	~~Hazard statement(s)~~ ~~H400 very toxic to aquatic life~~ ~~H410 very toxic to aquatic life with long lasting effects~~	Reg. 1272/2008	None
Toxicological properties of non-active substance(s) (relevant for classification of product)	~~N/A~~ Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (<0.0015 %)	~~N/A~~ Skin Sens. 1, H317 SCL: ≥ 0.0015 %	Reg. 1272/2008	~~N/A~~ EUH208 'Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction'
Further toxicological information	No data – not required			

* Please use concentration range or concentration limit (e.g. 1-10 % or > 1 %) as provided in MSDS.
** Material safety data sheet by the applicant

6.4 Toxicological Evaluation of Groundwater Metabolites

None of metabolites doesn't have the potential to reach the groundwater in concentrations above 0.1 µg/L. Therefore, the relevance assessment are not required.

6.5 Dermal Absorption (KCP 7.3)

Comments by zRMS:	The applicant used default dermal absorption rates according to Guidance on Dermal Absorption (EFSA Journal 2017;15(6):4873) which are acceptable by the zRMS. Additionaly the values of dermal absorption from experimental data included in Chlorantraniliprole DAR were used only for risk refinment of exposure in Orchard in dense type of cultivation. Refinement was neccesary according to the applicant only for manual sprayers. However according to product label and information from the applicant CLOROL 200 SC is applied by self-propelled or tractor-mounted sprayers thus the refinement for manual aplication is not relevant. Default dermal absorption rates are acceptable and can be used in exposure assessment for CLOROL 200 SC for all scenarios.

A summary of the dermal absorption rates for the active substances in Chlorantraniliprole are presented in the following table.

Table 6.5-1: Dermal absorption rates for active substances in CLOROL 200 SC

	Chlorantraniliprole		~~Chlorantraniliprole~~	
	Value	**Value**	~~**Value**~~	
Concentrate	10 %	EFSA Journal 2017;15(6):4873	~~1%~~	~~Chlorantraniliprole DAR, Volume 3, B6, Part 2, pages 62-70 (pdf pagination)~~
Dilution	50 %		~~4%~~	

6.5.1 Justification for proposed values - Chlorantraniliprole

No data on dermal absorption for Chlorantraniliprole in CLOROL 200 SC is available. Justifications for default values according to Guidance on Dermal Absorption (EFSA Journal 2017;15(6):4873) are presented in the following table.

Table 6.5-2: Default dermal absorption rates for chlorantraniliprole

	Value	Justification for value	Acceptability of justification
Concentrate	10 %	EFSA Journal 2017;15(6):4873	Acceptable
Dilution	50 %	EFSA Journal 2017;15(6):4873	Acceptable

~~CLOROL 200 SC and CORAGEN 200 SC have the same composition of product – Please refer to Part C.Therefore, dermal absorption study provided on CORAGEN 200 SC can be extrapolated to CLOROL 200 SC. Also, dermal aborption study is not longer protected – more than ten years from first registration of CORAGEN 200 SC in Poland.~~
~~Additionally, The values of dermal absorption presented in Table .5-3 were used only for risk refinment of exposure in Orchand in dense type of cultivation.~~

~~**Table 6.5-3: dermal absorption rates for chlorantraniliprole – CORAGEN 200 SC**~~

	~~Value~~	~~Justification for value~~	~~Acceptability of justification~~
~~Concentrate~~	~~1 %~~	~~EFSA Journal 2017;15(6):4873~~	
~~Dilution~~	~~4 %~~	~~EFSA Journal 2017;15(6):4873~~	

6.6 Exposure Assessment of Plant Protection Product (KCP 7.2)

Table 6.6-1: Product information and toxicological reference values used for exposure assessment

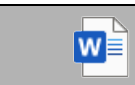
Product name and code	CLOROL 200 SC
Formulation type	SC
Category	Insecticide

Container size(s), short description	0.25 – 222L HDPE 0.275 – 10L HDPE/PA 0.312 – 10L HDPE/F 0.25 – 20L HDPE/EvOH
Active substance(s) (incl. content)	**Chlorantraniliprole** 200 g/L
AOEL systemic	0.36 mg/kg bw/d
Inhalation absorption	100 %
Oral absorption	100 %
Dermal absorption	Concentrate: 10 % Dilution: 50 % (Default) ~~Concentrate: 1%~~ ~~Dilution: 4%~~ ~~(CLOROL 200 SC and CORAGEN 200 SC have the same composition od product.Therefore, dermal absorption study provided on CORAGEN 200 SC can be extrapolated to CLOROL 200 SC. Also, dermal aborption study is not longer protected – more than ten years from first registration of CORAGEN 200 SC in Poland. Additionally, The values of dermal absorption presented in Table 6.6-4 were used only for risk refinment of exposure in Orchand in dense type of cultivation.)~~

6.6.1 Selection of critical use(s) and justification

The critical GAP used for the exposure assessment of the plant protection product is shown in Table 6.1-4. A list of all intended uses within the zone/ EU is given in Part B, Section 0.

Comments by zRMS:	The applicant provided exposure assessment for operator, worker, bystander and resident using EFSA online calculator v 1.0.2. (OPEX) and Field Crops, Low vegetables, High vegetables, High ornamentals, Viticulture, Agricultural Grassland, Amenity Grassland, Orchards scenarios for application by vehicle-mounted sprayers and manual sprayers. According to product label and information from the applicant CLOROL 200 SC is applied by self-propelled or tractor-mounted sprayers. Thus the evaluator has revised operator exposure using only scenarios for vehicle-mounted sprayers for field use application in EFSA online calculator v 1.1.1. (OPEX). For greenhouse scenarios application by vehicle-mounted sprayers is not available in OPEX. Thus knapsack for low vegetables and trolley sprayers for high vegetables was used by the zRMS. Upward spraying for High vegetables, High ornamentals, Viticulture and Orchards was used as a worst-case scenario. Hand harvesting for field crops, Reaching, picking and Harvest (Brassica) for Low vegetables, Reaching, picking for High vegetables, Cutting, sorting, bundling, carrying for High ornamentals, Hand harvesting for Viticulture, Turf harvesting, cutting and handling for Amenity Grassland were used as a worst-case scenarios for worker.  Catanga_20250611_14h43_opex1.1.1.zip

	 GENERAL_Catanga_2 0250611.docx Dense foliage crops for greenhouse use:  Catanga_20260613_08h37_opex1.1.3.zip  GENERAL_Catanga_2 0260613.docx Calculations provided by the applicant are correct for above mentioned scenarios however a report and zip file from OPEX has been provided by the zRMS for better readability. In addition separate zip file and general report from OPEX for dense foliage crops for greenhouse use has been provided by the zRMS for better readability.

6.6.2 Operator exposure (KCP 7.2.1)

6.6.2.1 Estimation of operator exposure

A summary of the exposure models used for estimation of operator exposure to the active substances during application of CLOROL 200 SC according to the critical use(s) is presented in Table 6.6-2. Outcome of the estimation is presented in Table 6.6-3 and Table 6.6-4. Detailed calculations are in Appendix 3.

Table 6.6-2: Exposure models for intended uses

Critical use(s)	Field Crops (max. 2x 0.2 L product/ha, interval: 14 days) Low vegetables (max. 2x 0.25 L product/ha, interval: 7 days) High vegetables (max. 2x 0.315 L product/ha, interval: 7 days) High ornamentals (max. 2x 0.55 L product/ha, interval: 7 days) Viticulture (max. 0.27 L product/ha) Agricultural Grassland (max. 0.175 L product/ha) Amenity Grassland (max. 0.175 L product/ha) Orchards (max. 2x 0.175 L product/ha, interval: 14 days) Low ornamentals (max. 2x 0.55 L product/ha, interval: 7 days)
Model(s)	**OPEX v. 1.0.2**

Table 6.6-3: Estimated operator exposure -OPEX model v. 1.0.1 – default values for dermal absorption

CLOROL 200 SC			
Model data	**Level of PPE**	**Total systemic exposure (mg/kg bw/day)**	**% of systemic AOEL**
Vehicle-mounted application outdoors to field crops – Inspection, irrigation Application rate: 2 × 0.04 kg a.s./ha Interval: 14 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	6.7
Vehicle-mounted application outdoors to field crops – hand harvesting Application rate: 2 × 0.04 kg a.s./ha Interval: 14 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	6.7
Vehicle-mounted application outdoors to low vegetables – Reaching, picking Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	7.8
Vehicle-mounted application outdoors to low vegetables – inspection, irrigation Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	7.8
Vehicle-mounted application outdoors to low vegetables – removing bolting sugar beet Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	7.8

Vehicle-mounted application outdoors to low vegetables - harvest Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	7.8
Vehicle-mounted application outdoors to low vegetables - maintence Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	7.8
Vehicle-mounted application outdoors to high ornamentals – cutting, sorting, bundling, carrying Application rate: 2 × 0.110 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.05	13.9
Vehicle-mounted application outdoors to high ornamentals – Inspection, irrigation Application rate: 2 × 0.110 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.05	13.9
Vehicle-mounted application outdoors to Viticulture – hand harvesting Application rate: 1× 0.054 kg a.s./ha Interval: - Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	7.7
Vehicle-mounted application outdoors to viticulture – Reaching, picking Application rate: 1 × 0.054 kg a.s./ha Interval: - Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	7.7

Vehicle-mounted application outdoors to agricultural grassland – Inspection, irrigation Application rate: 1 × 0.035 kg a.s./ha Interval: - Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	6.1
Vehicle-mounted application outdoors to amenity grassland – turf harvesting, cutting and handling Application rate: 1 × 0.035 kg a.s./ha Interval: - Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	6.1
Vehicle-mounted application outdoors to amenity grassland - Inspection, irrigation Application rate: 1 × 0.035 kg a.s./ha Interval: - Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	6.1
Vehicle-mounted application outdoors to orchards – maintenance/thinning Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	5.4
Vehicle-mounted application outdoors to orchards – Inspection, irrigation Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	5.4
Vehicle-mounted application outdoors to orchards – searching, reaching, picking Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	5.4

Vehicle-mounted application outdoors to low ornamentals – cutting, sorting, bundling, carrying Application rate: 2 × 0.110 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.05	13.4
Vehicle-mounted application outdoors to low ornamentals - Inspection, irrigation Application rate: 2 × 0.110 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.05	13.4
Manual-Hand held application outdoors to low vegetables – Reaching, picking Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.09	25.7
Manual-Hand held application outdoors to low vegetables – inspection, irrigation Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.09	25.7
Manual-Hand held application outdoors to low vegetables – removing bolting sugar beet Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.09	25.7
Manual-Hand held application outdoors to low vegetables - harvest Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.09	25.7

Manual-Hand held application outdoors to low vegetables - maintence Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.09	25.7
Manual-Hand held application indoors to low vegetables – Reaching, picking Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	4.2
Manual-Hand held application indoors to low vegetables – Inspection, irrigation/ general maint-ance Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	4.2
Manual-Hand held application indoors to low vegetables - Inspection, irrigation/ inspection, watering Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	4.2
Manual-Hand held application indoors to low vegetables - harvest Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	4.2
Manual-Hand held application indoors to low vegetables - maintenance Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the	0.02	4.2

	application step)		
Manual-Hand held application indoors to low vegetables – Reaching, picking Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	32.1
Manual-Hand held application indoors to low vegetables – Inspection, irrigation/ general maint-ance Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	32.1
Manual-Hand held application indoors to low vegetables - Inspection, irrigation/ inspection, watering Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	32.1
Manual-Hand held application indoors to low vegetables - harvest Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	32.1
Manual-Hand held application indoors to low vegetables - maintenance Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	32.1
Manual-Hand held application indoors to high vegetables – Reaching, picking Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	

OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	9.6
Manual-Hand held application indoors to high vegetables – Inspection, irrigation/ general maintance Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	9.6
Manual-Hand held application indoors to high vegetables - Inspection, irrigation/ inspection, watering Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	9.6
Manual-Hand held application indoors to high vegetables – Reaching, picking Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE	-	109
	+PPE (M/L: Workwear + Protected hands + Faceshield App: Rain suit protected body + Protected hands)	0.008	2.1
Manual-Hand held application indoors to high vegetables – Inspection, irrigation/ general maintance Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE	-	109
	+PPE (M/L: Workwear + Protected hands + Faceshield App: Rain suit protected body + Protected hands)	0.008	2.1
Manual-Hand held application indoors to high vegetables - Inspection, irrigation/ inspection, watering Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	

OPEX v. 1.0.2	no PPE	-	109
	+PPE (M/L: Workwear + Protected hands + Faceshield App: Rain suit protected body + Protected hands)	0.008	2.1
Manual-Hand held application outdoors to high ornamentals – cutting, sorting, bundling, carrying Application rate: 2 × 0.110 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	8.2
Manual-Hand held application outdoors to high ornamentals – Inspection, irrigation Application rate: 2 × 0.110 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	8.2
Manual-Hand held application outdoors to Viticulture – hand harvesting Application rate: 1× 0.054 kg a.s./ha Interval: - Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	5.8
Manual-Hand held application outdoors to viticulture – Reaching, picking Application rate: 1 × 0.054 kg a.s./ha Interval: - Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	5.8
Manual-Hand held application outdoors to amenity grassland – turf harvesting, cutting and handling Application rate: 1 × 0.035 kg a.s./ha Interval: - Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.09	25.4

Manual-Hand held application outdoors to amenity grassland - Inspection, irrigation Application rate: 1 × 0.035 kg a.s./ha Interval: - Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.09	25.4
Manual-Hand held application outdoors to orchards – maintenance/thinning Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	4.9
Manual-Hand held application outdoors to orchards – Inspection, irrigation Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	4.9
Manual-Hand held application outdoors to orchards – searching, reaching, picking Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.02	4.9
Manual-Hand held application outdoors to orchards – maintenance/thinning Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE	No safe use. Please refer to Table 6.6-4	
	+PPE		
Manual-Hand held application outdoors to orchards – Inspection, irrigation Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE	No safe use. Please refer to Table 6.6-4	
	+PPE		

Manual-Hand held application outdoors to orchards – searching, reaching, picking Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE	No safe use. Please refer to Table 6.6-4	
	+PPE		
Manual-Hand held application indoors to low ornamentals – cutting, sorting, bundling, carrying Application rate: 2 × 0.110 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	26.6
Manual-Hand held application indoors to low ornamentals - Inspection, irrigation Application rate: 2 × 0.110 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	26.6
Manual-Knapsack application outdoors to low vegetables – Reaching, picking Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	28.9
Manual-Knapsack application outdoors to low vegetables – inspection, irrigation Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	28.9
Manual-Knapsack application outdoors to low vegetables – removing bolting sugar beet Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	28.9

Manual-Knapsack application outdoors to low vegetables - harvest Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	28.9
Manual-Knapsack application outdoors to low vegetables - maintence Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	28.9
Manual-Knapsack application indoors to low vegetables – Reaching, picking Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	8.2
Manual-Knapsack application indoors to low vegetables – Inspection, irrigation/ general maint-ance Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	8.2
Manual-Knapsack application indoors to low vegetables - Inspection, irrigation/ inspection, watering Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	8.2
Manual-Knapsack application indoors to low vegetables - harvest Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the	0.03	8.2

	application step)		
Manual-Knapsack application indoors to low vegetables - maintenance Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	8.2
Manual-Knapsack application indoors to low vegetables – Reaching, picking Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	36.1
Manual-Knapsack application indoors to low vegetables – Inspection, irrigation/ general maint-ance Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	36.1
Manual-Knapsack application indoors to low vegetables - Inspection, irrigation/ inspection, watering Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	36.1
Manual-Knapsack application indoors to low vegetables - harvest Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	36.1
Manual-Knapsack application indoors to low vegetables - maintenance Application rate: 2 × 0.05 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	

OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	36.1
Manual-Knapsack application indoors to high vegetables – Reaching, picking Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.01	4
Manual-Knapsack application indoors to high vegetables – Inspection, irrigation/ general maintance Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.01	4
Manual-Knapsack application indoors to high vegetables - Inspection, irrigation/ inspection, watering Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.01	4
Manual-Knapsack application indoors to high vegetables – Reaching, picking Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	-	113
	+PPE (M/L: Workwear + Protected hands + Faceshield App: Rain suit protected body + Protected hands)	0.008	2.3
Manual-Knapsack application indoors to high vegetables – Inspection, irrigation/ general maintance Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at	-	113

	mixing/loading and workwear at the application step)		
	+PPE (M/L: Workwear + Protected hands + Faceshield App: Rain suit protected body + Protected hands)	0.008	2.3
Manual-Knapsack application indoors to high vegetables - Inspection, irrigation/ inspection, watering Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	-	113
	+PPE (M/L: Workwear + Protected hands + Faceshield App: Rain suit protected body + Protected hands)	0.008	2.3
Manual-Knapsack application outdoors to high ornamentals – cutting, sorting, bundling, carrying Application rate: 2 × 0.110 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	8.2
Manual-Knapsack application outdoors to high ornamentals – Inspection, irrigation Application rate: 2 × 0.110 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	8.2
Manual-Knapsack application outdoors to Viti-culture – hand harvesting Application rate: 1× 0.054 kg a.s./ha Interval: - Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	7.6
Manual-Knapsack application outdoors to viticul-ture – Reaching, picking Application rate: 1 × 0.054 kg a.s./ha Interval: -		Short-term	

Type of cultivation: normal			
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	7.6
Manual-Knapsack application outdoors to amenity grassland – turf harvesting, cutting and handling Application rate: 1 × 0.035 kg a.s./ha Interval: - Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	28.9
Manual-Knapsack application outdoors to amenity grassland - Inspection, irrigation Application rate: 1 × 0.035 kg a.s./ha Interval: - Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	28.9
Manual-Knapsack application outdoors to orchards – maintenance/thinning Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	7.5
Manual-Knapsack application outdoors to orchards – Inspection, irrigation Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	7.5
Manual-Knapsack application outdoors to orchards – searching, reaching, picking Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	7.5

Manual-Knapsack application outdoors to orchards – maintenance/thinning Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	No safe use. Please refer to Table 6.6-4	
	+PPE		
Manual-Knapsack application outdoors to orchards – Inspection, irrigation Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE	No safe use. Please refer to Table 6.6-4	
	+PPE		
Manual-Knapsack application outdoors to orchards – searching, reaching, picking Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE	No safe use. Please refer to Table 6.6-4	
	+PPE		
Manual-Knapsack application indoors to low ornamentals – cutting, sorting, bundling, carrying Application rate: 2 × 0.110 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	28.9
Manual-Knapsack application indoors to low ornamentals - Inspection, irrigation Application rate: 2 × 0.110 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.1	28.9
Manual-Trolley application indoors to high vegetables – Reaching, picking Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.01	4

Manual-Trolley application indoors to high vegetables – Inspection, irrigation/ general maintance Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.01	4
Manual-Trolley application indoors to high vegetables - Inspection, irrigation/ inspection, watering Application rate: 2 × 0.063 kg a.s./ha Interval: 7 days Type of cultivation: normal		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.01	4

Table 6.6-4: Estimated operator exposure -OPEX model v. 1.0.1 – study values for dermal absorption extrapolated from Coragen 200 SC

CLOROL 200 SC			
Model data	**Level of PPE**	**Total systemic exposure (mg/kg bw/day)**	**% of systemic AOEL**
Manual-Hand held application outdoors to orchards – maintenance/thinning Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	8.7
Manual-Hand held application outdoors to orchards – Inspection, irrigation Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	8.7
Manual-Hand held application outdoors to orchards – searching, reaching, picking Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and	0.03	8.7

	workwear at the application step)		
Manual-Knapsack application outdoors to orchards – maintenance/thinning Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	9.2
Manual-Knapsack application outdoors to orchards – Inspection, irrigation Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	9.2
Manual-Knapsack application outdoors to orchards – searching, reaching, picking Application rate: 2 × 0.035 kg a.s./ha Interval: 14 days Type of cultivation: dense		Short-term	
OPEX v. 1.0.2	no PPE (workwear at mixing/loading and workwear at the application step)	0.03	9.2

6.6.3 Measurement of operator exposure

Since the operator exposure estimations carried out indicated that the acceptable operator exposure level (AOEL) will not be exceeded under conditions of intended uses and considering above mentioned personal protective equipment (PPE), a study to provide measurements of operator exposure was not necessary and was therefore not performed.

Comments of zRMS study comment 6.6.2	The applicant provided exposure assessment for operator using EFSA online calculator v 1.0.2. (OPEX) and Field Crops, Low vegetables, High vegetables, High ornamentals, Viticulture, Agricultural Grassland, Amenity Grassland, Orchards scenarios for application by vehicle-mounted sprayers and manual sprayers. According to product label and information from the applicant CLOROL 200 SC is applied by self-propelled or tractor-mounted sprayers. Thus the evaluator has revised operator exposure using only scenarios for vehicle-mounted sprayers application for field use in EFSA online calculator v 1.1.1. (OPEX). For greenhouse scenarios application by vehicle-mounted sprayers is not available in OPEX. Thus knapsack for low vegetables and trolley sprayers for high vegetables was used by the zRMS. Upward spraying for High vegetables, High ornamentals, Viticulture and Orchards was used as a worst-case scenario. Calculations for operator provided by the applicant are correct for above mentioned scenarios however summary tables from OPEX has been provided by the zRMS for better readability.

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Field crops/Outdoor/Downward spraying/Vehicle-mounted/Drift reduction: 0% Crop density: Normal			
Chlorantraniliprole	Application rate: 2 x 0.04 kg a.s./ha Dermal absorption (concentrate): 10 % Dermal absorption (in-use dilution): 50 %		
	M/L: Workwear App: Workwear	0.02	6.7
	M/L: Potential exposure App: Potential exposure	0.04	9.8

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Low vegetables/Outdoor/Downward spraying/Vehicle-mounted/Drift reduction: 0% Crop density: Normal			
Chlorantraniliprole	Application rate: 2 x 0.05 kg a.s./ha Dermal absorption (concentrate): 10 % Dermal absorption (in-use dilution): 50 %		
	M/L: Workwear App: Workwear	0.03	7.8
	M/L: Potential exposure App: Potential exposure	0.04	11.5

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Low vegetables/Indoor/Downward spraying/Manual-knapsack/Drift reduction: 0% Crop density: Normal			
Chlorantraniliprole	Application rate: 2 x 0.05 kg a.s./ha Dermal absorption (concentrate): 10 % Dermal absorption (in-use dilution): 50 %		
	M/L: Workwear App: Workwear	0.03	8.2
	M/L: Potential exposure App: Potential exposure	0.2	47.1

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Low vegetables/Indoor/Downward spraying/Manual-knapsack/Drift reduction: 0% Crop density: Dense			
Chlorantraniliprole	Application rate: 2 x 0.05 kg a.s./ha Dermal absorption (concentrate): 10 % Dermal absorption (in-use dilution): 50 %		

	M/L: Workwear App: Workwear	0.1	36.1

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
High vegetables/Indoor/Upward spraying/Manual-trolley/Drift reduction: 0% Crop density: Normal			
Chlorantraniliprole	Application rate: 2 x 0.063 kg a.s./ha Dermal absorption (concentrate): 10 % Dermal absorption (in-use dilution): 50 %		
	M/L: Workwear App: Workwear	0.01	4
	M/L: Potential exposure App: Potential exposure	0.06	17.4

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
High ornamentals/Outdoor/Upward spraying/Vehicle-mounted/Drift reduction: 0% Crop density: Normal			
Chlorantraniliprole	Application rate: 2 x 0.11 kg a.s./ha Dermal absorption (concentrate): 10 % Dermal absorption (in-use dilution): 50 %		
	M/L: Workwear App: Workwear	0.05	13.9
	M/L: Potential exposure App: Potential exposure	0.1	38.1

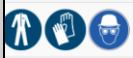
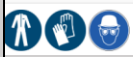
Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Viticulture/Outdoor/Upward spraying/Vehicle-mounted/Drift reduction: 0% Crop density: Normal			
Chlorantraniliprole	Application rate: 1 x 0.054 kg a.s./ha Dermal absorption (concentrate): 10 % Dermal absorption (in-use dilution): 50 %		
	M/L: Workwear App: Workwear	0.03	7.7
	M/L: Potential exposure App: Potential exposure	0.07	19.8

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Agricultural grassland/Outdoor/Downward spraying/Vehicle-mounted/Drift reduction: 0% Crop density: Normal			
Chlorantraniliprole	Application rate: 1 x 0.035 kg a.s./ha Dermal absorption (concentrate): 10 % Dermal absorption (in-use dilution): 50 %		
	M/L: Workwear App: Workwear	0.02	6.1
	M/L: Potential exposure App: Potential exposure	0.03	9

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Amenity grassland/Outdoor/Downward spraying/Vehicle-mounted/Drift reduction: 0% Crop density: Normal			
Chlorantraniliprole	Application rate: 1 x 0.035 kg a.s./ha Dermal absorption (concentrate): 10 % Dermal absorption (in-use dilution): 50 %		
	M/L: Workwear App: Workwear	0.02	6.1
	M/L: Potential exposure App: Potential exposure	0.03	9

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Orchards/Outdoor/Upward spraying/Vehicle-mounted/Drift reduction: 0% Crop density: Normal			
Chlorantraniliprole	Application rate: 2 x 0.035 kg a.s./ha Dermal absorption (concentrate): 10 % Dermal absorption (in-use dilution): 50 %		
	M/L: Workwear App: Workwear	0.02	5.4
	M/L: Potential exposure App: Potential exposure	0.05	13.3

High vegetables/Indoor/Downward spraying/Manual-knapsack
Crop density: Dense

			Short term				
			Systemic exposure (mg a.s./day)				
	Mixing & Loading	Application	ML	App	Total	Total systemic exposure per kg body weight (mg/kg bw per day)	% AOEL
			0.2	59.5	59.7	1	276
			0.1	23.5	23.6	0.4	109
			0.004	0.4	0.5	0.008	2.1
			0.004	6.5	6.5	0.1	30.2
agreed endpoints 6.6.2	According to EFSA OPEX calculations, it can be concluded that the risk of operator exposure during mixing & loading and application of CLOROL 200 SC outdoor using the vehicle-mounted sprayers is acceptable under conditions of intended use without PPE. The risk of operator exposure during mixing & loading and application of CLOROL 200 SC indoor using the Manual-knapsack for low crops and Manual-trolley for high crops is acceptable under conditions of intended use without PPE. For manual knapsack used in dense foliage high crops the use of workwear, face shield and gloves are required for mixing and loading and certified protective coverall and gloves are required for indoor application.						

6.6.4 Worker exposure (KCP 7.2.3)

6.6.4.1 Estimation of worker exposure

Table 6.6-5 shows the exposure model(s) used for estimation of worker exposure after entry into a previously treated area or handling a crop treated with CLOROL 200 SC according to the critical use(s). Outcome of the estimation is presented in

Critical use(s)	Field Crops (max. 2x 0.2 L product/ha, interval: 14 days) Low vegetables (max. 2x 0.25 L product/ha, interval: 7 days) High vegetables (max. 2x 0.315 L product/ha, interval: 7 days) High ornamentals (max. 2x 0.55 L product/ha, interval: 7 days) Viticulture (max. 0.27 L product/ha) Agricultural Grassland (max. 0.175 L product/ha) Amenity Grassland (max. 0.175 L product/ha) Orchards (max. 2x 0.175 L product/ha, interval: 14 days) Low ornamentals (max. 2x 0.55 L product/ha, interval: 7 days)
Model(s)	**OPEX v. 1.0.2**

Table 6.6-6. Detailed calculations are in Appendix 3.

Table 6.6-5: Exposure models for intended uses

Critical use(s)	Field Crops (max. 2x 0.2 L product/ha, interval: 14 days) Low vegetables (max. 2x 0.25 L product/ha, interval: 7 days) High vegetables (max. 2x 0.315 L product/ha, interval: 7 days) High ornamentals (max. 2x 0.55 L product/ha, interval: 7 days) Viticulture (max. 0.27 L product/ha) Agricultural Grassland (max. 0.175 L product/ha) Amenity Grassland (max. 0.175 L product/ha)

	Orchards (max. 2x 0.175 L product/ha, interval: 14 days) Low ornamentals (max. 2x 0.55 L product/ha, interval: 7 days)
Model(s)	**OPEX v. 1.0.2**

Table 6.6-6: Estimated worker exposure

		Chlorantraniliprole	
Model data	**Level of PPE**	**Total absorbed dose (mg/kg/day)**	**% of systemic AOEL**
Number of applications and application rate:		2 × 0.04 kg a.s./ha, Interval: 14 days	
Re-entry activity		Field crops - Inspection, irrigation / Outdoor, normal	
2 hours/day [(1)], Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 1400 cm²/h	Potiential	0.04	11.9
	No PPE (workwear)	0.005	1.3
Number of applications and application rate:		2 × 0.04 kg a.s./ha, Interval: 14 days	
Re-entry activity		Field crops - Hand harvesting (Only sweet corn) / Outdoor, normal	
8 hours/day [(1)], Body weight: 60 kg TC (potential): NA cm²/h TC (workwear (arms, body and legs covered)): 23000 cm²/h	Potential	-	-
	with PPE (workwear)	0.3	87.9
Number of applications and application rate:		2 × 0.05 kg a.s./ha, Interval: 7 days	
Re-entry activity		Low vegetables - Reaching, picking (all except Brassica) / Outdoor, normal	
8 hours/day [(1)], TC (potential): 5800 cm²/h TC (workwear (arms, body and legs covered)): 2500 cm²/h	Potential	0.1	29.8
	no PPE (workwear)	0.05	12.8
Number of applications and application rate:		2 × 0.05 kg a.s./ha, Interval: 7 days	
Re-entry activity		Low vegetables - Inspection, irrigation (All) / Outdoor, normal	
2 hours/day [(1)], Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 1400 cm²/h	Potential	0.06	16.1
	no PPE (workwear)	0.006	1.8
Number of applications and application rate:		2 × 0.05 kg a.s./ha, Interval: 7 days	
Re-entry activity		Low vegetables - removing bolting sugar beets / Outdoor, normal	
8 hours/day [(1)], Body weight: 60 kg TC (potential): 18600 cm²/h TC (workwear (arms, body and legs covered)): 4400 cm²/h	Potential	0.3	95.3
	no PPE (workwear)	0.08	22.6
Number of applications and application rate:		2 × 0.05 kg a.s./ha, Interval: 7 days	
Re-entry activity		Low vegetables - Harvest (Brassica only) / Outdoor, normal	
8 hours/day [(1)],	Potential	-	-

Body weight: 60 kg TC (potential): NA cm²/h TC (workwear (arms, body and legs covered)): 5000 cm²/h	no PPE (workwear)	0.09	25.7
Number of applications and application rate:		2 × 0.05 kg a.s./ha, Interval: 7 days	
Re-entry activity		Low vegetables - Reaching, picking (all except Brassica) / Harvesting, including cutting and bundling / Indoor, normal	
8 hours/day [(1)], Body weight: 60 kg TC (potential): 5800 cm²/h TC (workwear (arms, body and legs covered)): 2500 cm²/h TSF: 0.1 mg a.s./h / kg a.s./ha	Potential	0.1	30
	no PPE (workwear)	0.05	13
Number of applications and application rate:		2 × 0.05 kg a.s./ha, Interval: 7 days	
Re-entry activity		Low vegetables - Inspection, irrigation (All) / General maintenance / Indoor, normal	
8 hours/day [(1)], Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 1400 cm²/h TSF: 0.01 mg a.s./h / kg a.s./ha	Potential	0.2	64.3
	no PPE (workwear)	0.03	7.2
Number of applications and application rate:		2 × 0.05 kg a.s./ha, Interval: 7 days	
Re-entry activity		Low vegetables - Inspection, irrigation (All) / Inspection, watering / Indoor, normal	
2 hours/day [(1)], Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 1400 cm²/h TSF: 0.01 mg a.s./h / kg a.s./ha	Potential	0.06	16.1
	no PPE (workwear)	0.006	1.8
Number of applications and application rate:		2 × 0.05 kg a.s./ha, Interval: 7 days	
Re-entry activity		Low vegetables - Harvest (Brassica only) / Harvesting, including cutting and bundling / Indoor, normal	
8 hours/day [(1)], Body weight: 60 kg TC (potential): NA cm²/h TC (workwear (arms, body and legs covered)): 5000 cm²/h h TSF: 0.1 mg a.s./h / kg a.s./ha	Potential	-	-
	no PPE (workwear)	0.09	25.9
Number of applications and application rate:		2 × 0.05 kg a.s./ha, Interval: 7 days	
Re-entry activity		Low vegetables - Maintenance (Brassica only) / General maintenance / Indoor, normal	
8 hours/day [(1)], Body weight: 60 kg TC (potential): NA cm²/h TC (workwear (arms, body and legs covered)): 5000 cm²/h	Potential	-	-
	no PPE (workwear)	0.09	25.7

TSF: 0.01 mg a.s./h / kg a.s./ha			
Number of applications and application rate:		2 × 0.063 kg a.s./ha, Interval: 7 days	
Re-entry activity		High vegetables - Reaching, picking / Harvesting, including cutting and bundling / Indoor, normal	
8 hours/day (1), Body weight: 60 kg TC (potential): 5800 cm²/h TC (workwear (arms, body and legs covered)): 2500 cm²/h TSF: 0.1 mg a.s./h / kg a.s./ha	Potential	0.1	37.8
	no PPE (workwear)	0.06	16.4
Number of applications and application rate:		2 × 0.063 kg a.s./ha, Interval: 7 days	
Re-entry activity		High vegetables - Inspection, irrigation / General maintenance / Indoor, normal	
8 hours/day (1), Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 1400 cm²/h TSF: 0.01 mg a.s./h / kg a.s./ha	Potential	0.3	81
	no PPE (workwear)	0.03	9.1
Number of applications and application rate:		2 × 0.063 kg a.s./ha, Interval: 7 days	
Re-entry activity		High vegetables - Inspection, irrigation / Inspection, watering / Indoor, normal	
2 hours/day (1), Body weight: 60 kg Interval 7 days	Potential	0.07	20.2
	no PPE (workwear)	0.008	2.3
Number of applications and application rate:		2 × 0.11 kg a.s./ha, Interval: 7 days	
Re-entry activity		High ornamentals - Cutting, sorting, bundling, carrying / Outdoor, normal	
8 hours/day (1), Body weight: 60 kg TC (potential): 14000 cm²/h TC (workwear (arms, body and legs covered)): 5000 cm²/h	Potential	0.6	158
	no PPE (workwear)	0.2	56.5
Number of applications and application rate:		2 × 0.11 kg a.s./ha, Interval: 7 days	
Re-entry activity		High ornamentals - Inspection, irrigation / Outdoor, normal	
2 hours/day (1), Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 1400 cm²/h	Potential	0.1	35.3
	no PPE (workwear)	0.01	4
Number of applications and application rate:		1 × 0.054 kg a.s./ha	
Re-entry activity		Viticulture - Hand harvesting / Outdoor, normal	
8 hours/day (1), Body weight: 60 kg TC (potential): 30000 cm²/h TC (workwear (arms, body and legs covered)): 10100 cm²/h	Potential	0.3	90
	no PPE (workwear)	0.1	30.3

Number of applications and application rate:		1 × 0.054 kg a.s./ha	
Re-entry activity		Viticulture - Inspection, irrigation / Outdoor, normal	
2 hours/day [(1)], Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 1400 cm²/h	Potential	0.03	9.4
	no PPE (workwear)	0.004	1.1
Number of applications and application rate:		1 × 0.035 kg a.s./ha	
Re-entry activity		Agricultiral grassland - Inspection, irrigation / Outdoor	
2 hours/day [(1)], Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 1400 cm²/h	Potential	0.02	6.1
	no PPE (workwear)	0.002	0.7
Number of applications and application rate:		1 × 0.035 kg a.s./ha	
Re-entry activity		Amenity grassland - Turf harvesting, cutting and handling / Outdoor	
8 hours/day [(1)], Body weight: 60 kg TC (potential): NA cm²/h TC (workwear (arms, body and legs covered)): 8800 cm²/h	Potential	-	-
	no PPE (workwear)	0.01	2.9
Number of applications and application rate:		1 × 0.035 kg a.s./ha	
Re-entry activity		Amenity grassland - Inspection, irrigation / Outdoor	
2 hours/day [(1)], Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 1400 cm²/h	Potential	0.02	6.1
	no PPE (workwear)	0.002	0.7
Number of applications and application rate:		2 × 0.035 kg a.s./ha, Interval: 14 days	
Re-entry activity		Orchards - Maintenance/thinning / Outdoor	
8 hours/day [(1)], Body weight: 60 kg TC (potential): 22500 cm²/h TC (workwear (arms, body and legs covered)): 4500 cm²/h	Potential	0.3	75.3
	no PPE (workwear)	0.05	15.1
Number of applications and application rate:		2 × 0.035 kg a.s./ha, Interval: 14 days	
Re-entry activity		Orchards - Inspection, irrigation / Outdoor	
2 hours/day [(1)], Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 1400 cm²/h	Potential	0.04	10.5
	no PPE (workwear)	0.004	1.2
Number of applications and application rate:		2 × 0.035 kg a.s./ha, Interval: 14 days	
Re-entry activity		Orchards - Searching, reaching, picking / Outdoor	

8 hours/day (1), Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 3500 cm²/h	Potential	0.2	41.8
	no PPE (workwear)	0.04	11.7
Number of applications and application rate:		2 × 0.11 kg a.s./ha, Interval: 7 days	
Re-entry activity		Low ornamentals - Cutting, sorting, bundling, carrying / Outdoor	
8 hours/day (1), Body weight: 60 kg TC (potential): 14000 cm²/h TC (workwear (arms, body and legs covered)): 5000 cm²/h	Potential	0.6	158
	no PPE (workwear)	0.2	56.5
Number of applications and application rate:		2 × 0.11 kg a.s./ha, Interval: 7 days	
Re-entry activity		Low ornamentals - Inspection, irrigation / Outdoor	
2 hours/day (1), Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 1400 cm²/h	Potential	0.1	35.3
	no PPE (workwear)	0.01	4

(1) e.g. 8 h/day for professional applications for harvesting, pruning, tying, thinning or weeding activities etc. or 2 h/day for professional applications for maintenance, inspection or irrigation activities etc.
(2) e.g. EUROPOEM II, 2002, Post-Application Exposure of Workers to Pesticides in Agriculture or US-EPA policy paper [EPA, Science Advisory Council for Exposure; Agricultural Transfer Coefficients, Policy # 3.]. TC: Transfer coefficient
(3) no PPE: Worker wearing long sleeved shirt, long trousers ("permeable") but no gloves
(4) with PPE: *type of PPE* / see 'Instructions for use'

6.6.4.2 Refinement of generic DFR value (KCP 7.2)

Not relevant.

6.6.4.3 Measurement of worker exposure

Since the worker exposure estimations carried out indicated that the acceptable operator exposure level (AOEL) will not be exceeded under conditions of intended uses and considering above mention PPE, a study to provide measurements of worker exposure was not necessary and was therefore not performed.

Comments of zRMS to study comment 6.6.4	The applicant provided exposure assessment for worker exposure after entry into a previously treated area treated with CLOROL 200 SC using EFSA online calculator v 1.0.2. (OPEX) and Field Crops, Low vegetables, High vegetables, High ornamentals, Viticulture, Agricultural Grassland, Amenity Grassland, Orchards scenarios for application by vehicle-mounted sprayers and manual sprayers. According to product label and information from the applicant CLOROL 200 SC is applied by self-propelled or tractor-mounted sprayers. Thus the evaluator has revised worker exposure using only scenarios for vehicle-mounted sprayers application for field use in EFSA online calculator v 1.1.1. (OPEX). For greenhouse scenarios knapsack for low vegetables and trolley sprayers for high vegetables was used by the zRMS. Hand harvesting for field crops, Reaching, picking and Harvest (Brassica) for Low vegeta-

bles, Reaching, picking for High vegetables, Cutting, sorting, bundling, carrying for High ornamentals, Hand harvesting for Viticulture, Turf harvesting, cutting and handling for Amenity Grassland were used as a worst-case scenarios for worker.
Calculations for worker provided by the applicant are correct for above mentioned scenarios however a summary tables from OPEX has been provided by the zRMS for better readability.

Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL	Re-entry restriction [days]
			Field crops Hand harvesting (sweet corn); Outdoor Work rate: 8 hours/day ; Interval: 14 days ; Body weight: 60 kg TC (potential): NA cm²/h TC (workwear (arms, body and legs covered)): 23000 cm²/h TC (workwear (arms, body and legs covered) and gloves): NA cm²/h TC (gloves): NA cm²/h
Chlorantraniliprole			Application rate: 2 x 0.04 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Workwear	0.3	87.9	0

Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL	Re-entry restriction [days]
			Low vegetables Reaching, picking (all except Brassica); Outdoor Work rate: 8 hours/day ; Interval: 7 days ; Body weight: 60 kg TC (potential): 5800 cm²/h TC (workwear (arms, body and legs covered)): 2500 cm²/h TC (workwear (arms, body and legs covered) and gloves): 580 cm²/h TC (gloves): NA cm²/h
Chlorantraniliprole			Application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Potential	0.1	29.8	0
Workwear	0.05	12.8	0
Workwear and gloves	0.01	3	0

Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL	Re-entry restriction [days]
			Low vegetables Harvest (Brassica only); Outdoor Work rate: 8 hours/day ; Interval: 7 days ; Body weight: 60 kg TC (potential): NA cm²/h TC (workwear (arms, body and legs covered)): 5000 cm²/h TC (workwear (arms, body and legs covered) and gloves): NA cm²/h TC (gloves): NA cm²/h

	Chlorantraniliprole			Application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
	Potential	0.09	25.7	0
	Level of PPE	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**	**Re-entry restriction [days]**
	Low vegetables Reaching, picking (all except Brassica); Harvesting, including cutting and bundling; Indoor Work rate: 8 hours/day ; Interval: 7 days ; Body weight: 60 kg TC (potential): 5800 cm²/h TC (workwear (arms, body and legs covered)): 2500 cm²/h TC (workwear (arms, body and legs covered) and gloves): 580 cm²/h TC (gloves): NA cm²/h TSF: 0.1 mg a.s./h / kg a.s./ha			
	Chlorantraniliprole			Application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
	Potential	0.1	30	0
	Workwear	0.05	13.1	0
	Workwear and gloves	0.01	3.2	0
	Level of PPE	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**	**Re-entry restriction [days]**
	High vegetables Reaching, picking; Harvesting, including cutting and bundling; Indoor Work rate: 8 hours/day ; Interval: 7 days ; Body weight: 60 kg TC (potential): 5800 cm²/h TC (workwear (arms, body and legs covered)): 2500 cm²/h TC (workwear (arms, body and legs covered) and gloves): 580 cm²/h TC (gloves): NA cm²/h TSF: 0.1 mg a.s./h / kg a.s./ha			
	Chlorantraniliprole			Application rate: 2 x 0.063 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
	Potential	0.1	37.8	0
	Workwear	0.06	16.5	0
	Workwear and gloves	0.01	4	0
	Level of PPE	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**	**Re-entry restriction [days]**

				High ornamentals Cutting, sorting, bundling, carrying; Outdoor Work rate: 8 hours/day ; Interval: 7 days ; Body weight: 60 kg TC (potential): 14000 cm²/h TC (workwear (arms, body and legs covered)): 5000 cm²/h TC (workwear (arms, body and legs covered) and gloves): 1400 cm²/h TC (gloves): NA cm²/h
	Chlorantraniliprole			Application rate: 2 x 0.11 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
	Potential	0.6	158	20
	Workwear	0.2	56.5	0
	Workwear and gloves	0.06	15.8	0
	Level of PPE	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**	**Re-entry restriction [days]**
				Viticulture Hand harvesting; Outdoor Work rate: 8 hours/day ; Interval: 7 days ; Body weight: 60 kg TC (potential): 30000 cm²/h TC (workwear (arms, body and legs covered)): 10100 cm²/h TC (workwear (arms, body and legs covered) and gloves): NA cm²/h TC (gloves): NA cm²/h
	Chlorantraniliprole			Application rate: 1 x 0.054 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
	Potential	0.3	90	0
	Workwear	0.1	30.3	0
	Level of PPE	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**	**Re-entry restriction [days]**
				Agricultural grassland Inspection, irrigation; Outdoor Work rate: 2 hours/day ; Interval: 7 days ; Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 1400 cm²/h TC (workwear (arms, body and legs covered) and gloves): 1250 cm²/h TC (gloves): NA cm²/h
	Chlorantraniliprole			Application rate: 1 x 0.035 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
	Potential	0.02	6.1	0
	Workwear	0.002	0.7	0
	Workwear and gloves	0.002	0.6	0
	Level of PPE	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**	**Re-entry restriction [days]**

				Amenity grassland Turf harvesting, cutting and handling; Outdoor Work rate: 8 hours/day ; Interval: 7 days ; Body weight: 60 kg TC (potential): NA cm²/h TC (workwear (arms, body and legs covered)): 8800 cm²/h TC (workwear (arms, body and legs covered) and gloves): NA cm²/h TC (gloves): NA cm²/h
	Chlorantraniliprole			Application rate: 1 x 0.035 kg a.s./ha Dermal absorption: 50 % TTR: 0.0175 µg/cm²
	Workwear	0.01	2.9	0
	Level of PPE	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**	**Re-entry restriction [days]**
				Orchards Searching, reaching, picking; Outdoor Work rate: 8 hours/day ; Interval: 14 days ; Body weight: 60 kg TC (potential): 12500 cm²/h TC (workwear (arms, body and legs covered)): 3500 cm²/h TC (workwear (arms, body and legs covered) and gloves): 1250 cm²/h TC (gloves): NA cm²/h
	Chlorantraniliprole			Application rate: 2 x 0.035 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
	Potential	0.2	41.8	0
	Workwear	0.04	11.7	0
	Workwear and gloves	0.02	4.2	0
agreed endpoints 6.6.4	According to EFSA OPEX calculations, it can be concluded that the risk of worker exposure during re-entry activities on area treated with CLOROL 200 SC using the vehicle-mounted sprayers for field use and hand held sprayers for greenhouse use is acceptable under conditions of intended use without PPE. However the worker should wear an adequate workwear within good agricultural practice. As a standard rule, it should be mentioned on the label that treated crops should not be re-entered before spray deposits on leaf surfaces have completely dried. Moreover, according to harmonized approach in Poland, the following should be mentioned on the label: wear protective gloves and workwear when entering the treated area for 24 hours after the application.			

6.6.5 Bystander and resident exposure (KCP 7.2.2)

6.6.5.1 Estimation of bystander and resident exposure

Table 6.6-7 shows the exposure model(s) used for estimation of resident exposure to Chlorantraniliprole. Since of lack of AAOEL value for Chlorantraniliprole estimation of bystander exposure is covered by estimation of resident. Outcome of the estimation is presented in

Critical use(s)	Field Crops (max. 2x 0.2 L product/ha, interval: 14 days)

	Low vegetables (max. 2x 0.25 L product/ha, interval: 7 days) High vegetables (max. 2x 0.315 L product/ha, interval: 7 days) High ornamentals (max. 2x 0.55 L product/ha, interval: 7 days) Viticulture (max. 0.27 L product/ha) Agricultural Grassland (max. 0.175 L product/ha) Amenity Grassland (max. 0.175 L product/ha) Orchards (max. 2x 0.175 L product/ha, interval: 14 days) Low ornamentals (max. 2x 0.55 L product/ha, interval: 7 days)
Model(s)	**OPEX v. 1.0.2**

Table 6.6-8. Detailed calculations are in Appendix 3.

Table 6.6-7: Exposure models for intended uses

Critical use(s)	Field Crops (max. 2x 0.2 L product/ha, interval: 14 days) Low vegetables (max. 2x 0.25 L product/ha, interval: 7 days) High vegetables (max. 2x 0.315 L product/ha, interval: 7 days) High ornamentals (max. 2x 0.55 L product/ha, interval: 7 days) Viticulture (max. 0.27 L product/ha) Agricultural Grassland (max. 0.175 L product/ha) Amenity Grassland (max. 0.175 L product/ha) Orchards (max. 2x 0.175 L product/ha, interval: 14 days) Low ornamentals (max. 2x 0.55 L product/ha, interval: 7 days)
Model(s)	**OPEX v. 1.0.2**

Table 6.6-8: Estimated bystander and resident exposure

	Chlorantraniliprole	
Model data	**Total absorbed dose (mg/kg/day)**	**% of systemic AOEL**
Field crops – all scenario, outdoor Number of applications and application rate: 2 x 0.04 kg a.s./ha Interval between treatments: 14 days Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 %		
Residents (adult) Body weight: 60 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.003	0.8
Residents (children) Body weight: 10 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.007	1.8
Low vegetable – all scenario, outdoor Number of applications and application rate: 2 x 0.05 kg a.s./ha Interval between treatments: 7 days Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 %		

Residents (adult) Body weight: 60 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.004	1.1
Residents (children) Body weight: 10 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.009	2.4
Low vegetable – all scenario, indoor Number of applications and application rate: 2 x 0.05 kg a.s./ha Interval between treatments: 7 days Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 %		
Residents (adult) Body weight: 60 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.0006	0.2
Residents (children) Body weight: 10 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.002	0.7
High vegetables – all scenario, indoor Number of applications and application rate: 2 x 0.063 kg a.s./ha Interval between treatments: 7 days Season: Not relevant Buffer zone: 5m Drift reduction technology: 0 %		
Residents (adult) Body weight: 60 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.01	4.1
Residents (children) Body weight: 10 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.008	2.2
High ornamentals – all scenario, outdoor Number of applications and application rate: 2 x 0.11 kg a.s./ha Interval between treatments: 7 days Season: Not relevant Buffer zone: 5m Drift reduction technology: 0 %		
Residents (adult)	0.02	6

Body weight: 60 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days		
Residents (children) Body weight: 10 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.04	11
Vitivulture – all scenario, outdoor Number of applications and application rate: 1 x 0.054 kg a.s./ha Interval between treatments: - Season: Not relevant Buffer zone: 5m Drift reduction technology: 0 %		
Residents (adult) Body weight: 60 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.004	1.1
Residents (children) Body weight: 10 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.007	2
Agricultural grassland – all scenario, outdoor Number of applications and application rate: 1 x 0.035 kg a.s./ha Interval between treatments: - Season: Not relevant Buffer zone: 2-3m Drift reduction technology: 0 %		
Residents (adult) Body weight: 60 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.002	0.5
Residents (children) Body weight: 10 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.004	1.1
Amenity grassland – all scenario, outdoor Number of applications and application rate: 1 x 0.035 kg a.s./ha Interval between treatments: - Season: Not relevant Buffer zone: 2-3m Drift reduction technology: 0 %		
Residents (adult) Body weight: 60 kg	0.0006	0.2

Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days		
Residents (children) Body weight: 10 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.005	1.4
Orchards – all scenario, outdoor Number of applications and application rate: 2 x 0.035 kg a.s./ha Interval between treatments: 14 days Season: Early season Buffer zone: 5 m Drift reduction technology: 0 %		
Residents (adult) Body weight: 60 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.007	2
Residents (children) Body weight: 10 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.01	3.6
Orchards – all scenario, outdoor Number of applications and application rate: 2 x 0.035 kg a.s./ha Interval between treatments: 14 days Season: Late season Buffer zone: 5 m Drift reduction technology: 0 %		
Residents (adult) Body weight: 60 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.007	1.9
Residents (children) Body weight: 10 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.01	3.4
Low ornamentals – all scenario, outdoor Number of applications and application rate: 2 x 0.11 kg a.s./ha Interval between treatments: 7 days Season: Late season Buffer zone: 2-3 m Drift reduction technology: 0 %		
Residents (adult) Body weight: 60 kg Dermal absorption: 50 %	0.009	2.5

DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days		
Residents (children) Body weight: 10 kg Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	0.02	5.3

6.6.5.2 Measurement of bystander and/or resident exposure

Since the bystander and/or resident exposure estimations carried out indicated that the acceptable operator exposure level (AOEL) for chlorantraniliprole will not be exceeded under conditions of intended uses and considering above mentioned risk mitigation measures, a study to provide measurements of bystander/resident exposure was not necessary and was therefore not performed.

Comments of zRMS study comment 6.6.5

The applicant provided exposure assessment for resident exposure after application of CLOROL 200 SC using EFSA online calculator v 1.0.2. (OPEX) and Field Crops, Low vegetables, High vegetables, High ornamentals, Viticulture, Agricultural Grassland, Amenity Grassland, Orchards scenarios for application by vehicle-mounted sprayers and manual sprayers.
According to product label and information from the applicant CLOROL 200 SC is applied by self-propelled or tractor-mounted sprayers. Thus the evaluator has revised worker exposure using only scenarios for vehicle-mounted sprayers application in EFSA online calculator v 1.1.1. (OPEX). For greenhouse scenarios application by vehicle-mounted sprayers is not available in OPEX. Thus knapsack for low vegetables and trolley sprayers for high vegetables was used by the zRMS.
Calculations for resident provided by the applicant are correct for above mentioned scenarios however a summary tables from OPEX has been provided by the zRMS for better readability.

Model data	**Level of PPE**	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**
Field crops, Outdoor; Season:Not relevant; Buffer zone:2-3m; Drift reduction:0%; Interval between treatments:14 days; Minimum volume of water: 200 l			
Chlorantraniliprole		Application rate: 2 x 0.04 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	
Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.8
	Vapour (75th perc.)	0.0008	0.2
	Deposits (75th perc.)	0.0006	0.2
	Re-entry (75th perc.)	0.006	1.6
	Sum (mean)	0.007	2
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0006	0.2
	Vapour (75th perc.)	0.0003	0.08
	Deposits (75th perc.)	0.0002	0.07
	Re-entry (75th perc.)	0.003	0.9

		Sum (mean)	0.003	0.9
	Model data	**Level of PPE**	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**
	Low vegetables, Outdoor; Season:Not relevant; Buffer zone:2-3m; Drift reduction:0%; Interval between treatments:7 days; Minimum volume of water: 200 l			
	Chlorantraniliprole		Application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	
	Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.9
		Vapour (75th perc.)	0.0008	0.2
		Deposits (75th perc.)	0.0007	0.2
		Re-entry (75th perc.)	0.008	2.2
		Sum (mean)	0.009	2.6
	Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0008	0.2
		Vapour (75th perc.)	0.0003	0.08
		Deposits (75th perc.)	0.0003	0.09
		Re-entry (75th perc.)	0.004	1.2
		Sum (mean)	0.004	1.2
	Model data	**Level of PPE**	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**
	Low vegetables, Indoor; Season:Not relevant; Buffer zone:2-3m; Drift reduction:0%; Interval between treatments:7 days; Minimum volume of water: 200 l			
	Chlorantraniliprole		Application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	
	Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.9
		Vapour (75th perc.)	0.0008	0.2
		Deposits (75th perc.)	0.0007	0.2
		Re-entry (75th perc.)	NA	NA
		Sum (mean)	0.003	0.9
	Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0008	0.2
		Vapour (75th perc.)	0.0003	0.08
		Deposits (75th perc.)	0.0003	0.09
		Re-entry (75th perc.)	NA	NA
		Sum (mean)	0.0009	0.2
	Model data	**Level of PPE**	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**

	High vegetables, Indoor; Season:Not relevant; Buffer zone:5m; Drift reduction:0%; Interval between treatments:7 days; Minimum volume of water: 200 l			
	Chlorantraniliprole		Application rate: 2 x 0.063 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	
	Resident child Body weight: 10 kg	Drift (75th perc.)	0.02	6.1
		Vapour (75th perc.)	0.0008	0.2
		Deposits (75th perc.)	0.0005	0.1
		Re-entry (75th perc.)	NA	NA
		Sum (mean)	0.02	4.3
	Resident adult Body weight: 60 kg	Drift (75th perc.)	0.01	3.4
		Vapour (75th perc.)	0.0003	0.08
		Deposits (75th perc.)	0.0002	0.06
		Re-entry (75th perc.)	NA	NA
		Sum (mean)	0.008	2.3
	Model data	**Level of PPE**	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**
	High ornamentals, Outdoor; Season:Not relevant; Buffer zone:5m; Drift reduction:0%; Interval between treatments:7 days; Minimum volume of water: 200 l			
	Chlorantraniliprole		Application rate: 2 x 0.11 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	
	Resident child Body weight: 10 kg	Drift (75th perc.)	0.04	10.6
		Vapour (75th perc.)	0.0008	0.2
		Deposits (75th perc.)	0.0009	0.3
		Re-entry (75th perc.)	0.02	4.8
		Sum (mean)	0.04	11.2
	Resident adult Body weight: 60 kg	Drift (75th perc.)	0.02	5.9
		Vapour (75th perc.)	0.0003	0.08
		Deposits (75th perc.)	0.0004	0.1
		Re-entry (75th perc.)	0.01	2.6
		Sum (mean)	0.02	6.1
	Model data	**Level of PPE**	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**
	Viticulture, Outdoor; Season:Not relevant; Buffer zone:5m; Drift reduction:0%; Interval between treatments:7 days; Minimum volume of water: 700 l			
	Chlorantraniliprole		Application rate: 1 x 0.054 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	
	Resident child Body weight: 10 kg	Drift (75th perc.)	0.005	1.5
		Vapour (75th perc.)	0.0008	0.2

		Deposits (75th perc.)	0.0002	0.07
		Re-entry (75th perc.)	0.005	1.3
		Sum (mean)	0.008	2.3
	Resident adult Body weight: 60 kg	Drift (75th perc.)	0.003	0.8
		Vapour (75th perc.)	0.0003	0.08
		Deposits (75th perc.)	0.0001	0.03
		Re-entry (75th perc.)	0.003	0.7
		Sum (mean)	0.004	1.2
	Agricultural grassland, Outdoor; Season:Not relevant; Buffer zone:2-3m; Drift reduction:0%; Interval between treatments:7 days; Minimum volume of water: 200 l			
	Chlorantraniliprole		Application rate: 1 x 0.035 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	
	Resident child Body weight: 10 kg	Drift (75th perc.)	0.002	0.7
		Vapour (75th perc.)	0.0008	0.2
		Deposits (75th perc.)	0.0003	0.08
		Re-entry (75th perc.)	0.003	0.8
		Sum (mean)	0.005	1.3
	Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0006	0.2
		Vapour (75th perc.)	0.0003	0.08
		Deposits (75th perc.)	0.0001	0.03
		Re-entry (75th perc.)	0.002	0.5
		Sum (mean)	0.002	0.5
	Model data	**Level of PPE**	**Total absorbed dose [mg/kg bw per day]**	**% of systemic AOEL**
	Amenity grassland, Outdoor; Season:Not relevant; Buffer zone:2-3m; Drift reduction:0%; Interval between treatments:7 days; Minimum volume of water: 200 l			
	Chlorantraniliprole		Application rate: 1 x 0.035 kg a.s./ha Dermal absorption: 50 % TTR: µg/cm²	
	Resident child Body weight: 10 kg	Drift (75th perc.)	0.002	0.7
		Vapour (75th perc.)	0.0008	0.2
		Deposits (75th perc.)	0.0003	0.08
		Re-entry (75th perc.)	0.0008	0.2
		Sum (mean)	0.003	0.8
		Re-entry recreational (75th perc.)	0.005	1.4
	Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0006	0.2
		Vapour (75th perc.)	0.0003	0.08
		Deposits (75th perc.)	0.0001	0.03
		Re-entry (75th perc.)	0.0003	0.07
		Sum (mean)	0.0009	0.2

		Re-entry recreational (75th perc.)	0.002	0.6
	Orchards, Outdoor; Season:Early season; Buffer zone:5m; Drift reduction:0%; Interval between treatments:14 days; Minimum volume of water: 200 l			
	Chlorantraniliprole		Application rate: 2 x 0.035 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days	
	Resident child Body weight: 10 kg	Drift (75th perc.)	0.01	3.4
		Vapour (75th perc.)	0.0008	0.2
		Deposits (75th perc.)	0.001	0.4
		Re-entry (75th perc.)	0.005	1.4
		Sum (mean)	0.01	3.8
	Resident adult Body weight: 60 kg	Drift (75th perc.)	0.007	1.9
		Vapour (75th perc.)	0.0003	0.08
		Deposits (75th perc.)	0.0006	0.2
		Re-entry (75th perc.)	0.003	0.8
		Sum (mean)	0.007	2
agreed endpoints 6.6.5	The exposure assessment for residents also covers bystander exposure. According to EFSA OPEX calculations, it can be concluded that there is no unacceptable risk to resident (child and adult) and bystander after application of CLOROL 200 SC.			

6.6.6 Combined exposure

Not relevant. The product contains only one active substance.

Appendix 1 Lists of data considered in support of the evaluation

Tables considered not relevant can be deleted as appropriate.

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

List of data submitted by the applicant and relied on

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
KCP 7.1.1 KCP 7.1.2 KCP 7.1.3 KCP 7.1.4 KCP 7.1.5 KCP 7.1.6 KCP 7.1.7	I. Muchewicz	2024	Toxicological classification of product CLOROL 200 SC based on calculation method taking into consideration health hazards of constituent substances; Chemirol Sp. z o.o. Non GLP Unpublished	N	Chemirol Sp.z o.o.

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

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

The following tables are to be completed by MS

List of data submitted by the applicant and not relied on

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

List of data relied on not submitted by the applicant but necessary for evaluation

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

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	Owner

Appendix 2 Detailed evaluation of the studies relied upon

A 2.1 Statement on bridging possibilities

Not relevant.

A 2.2 Acute oral toxicity (KCP 7.1.1)

Comments of zRMS:	The acute oral toxicity study with Chlorantraniliprole 200 g/L SC has been evaluated as the representative formulation in the EU review of active substance. Since the study has been reviewed and accepted during EU review and within registration process of Coragen 200 SC in Poland, zRMS:PL did not performed a new assessment. Taking into account results of the study no classification for acute oral toxicity is required according to Regulation (EC) No 1272/2008. In opinion of zRMS, according to current requirements, the study is acceptable for evaluation of acute oral toxicity of CLOROL 200 SC. For acute oral toxicity the assessment has been conducted by the applicant based on the calculation method according to the Regulation (EC) 1272/2008. According to calculation method, ATEmix is higher than 2000 mg/kg bw. Therefore according to Regulation (EC) No 1272/2008 classification is not required. Calculation method provided by the applicant is considered as supplementary information.

Reference:	KCP 7.1.1
Report	Toxicological classification of product CLOROL 200 SC based on calculation method taking into consideration health hazards of constituent substances; I. Muchewicz; 2024
Guideline(s):	Regulation (EC) No. 1272/2008
Deviations:	-
GLP:	No
Acceptability:	

According to point 7.1.1 of Part A of Annex to the Commission Regulation (EU) No 284/2013 as regards the data requirements for plant protection products:
”A test for acute oral toxicity shall be carried out, unless the applicant can justify an alternative approach under Regulation (EC) No 1272/2008. In the latter case, acute oral toxicity of all components shall be provided or reliably predicted with a validated method. Consideration shall be given to the possible effects of components on the toxic potential of the total mixture.”

The complete composition of the formulation with the classification of individual ingredients is available in part C.

Due to the fact, that all components of the formulation CLOROL 200 SC are known, the acute oral toxicity test is not necessary.

We use the summation method using the formula:

$$ATE_{mix} = \frac{100}{\sum_{i=1}^{n} \frac{C_i}{ATE_i}}$$

Where:

- Ci - concentration of ingredient i (% w/w or % v/v)
- i – the individual ingredient from 1 to n
- n – the number of ingredients
- ATE_i - Acute Toxicity Estimate of ingredient i.

Table 3.1.2
Conversion from experimentally obtained acute toxicity range values (or acute toxicity hazard categories) to acute toxicity point estimates for classification for the respective routes of exposure.

Exposure routes	Classification Category or experimentally obtained acute toxicity range estimate	Converted acute toxicity point estimate (see Note 1)
Oral (mg/kg body-weight)	0 < Category 1 ≤ 5 5 < Category 2 ≤ 50 50 < Category 3 ≤ 300 300 < Category 4 ≤ 2 000	0,5 5 100 500
Dermal (mg/kg bod-yweight)	0 < Category 1 ≤ 50 50 < Category 2 ≤ 200 200 < Category 3 ≤ 1 000 1 000 < Category 4 ≤ 2 000	5 50 300 1 100
Gases (ppmV)	0 < Category 1 ≤ 100 100 < Category 2 ≤ 500 500 < Category 3 ≤ 2 500 2 500 < Category 4 ≤ 20 000	10 100 700 4 500
Vapours (mg/l)	0 < Category 1 ≤ 0,5 0,5 < Category 2 ≤ 2,0 2,0 < Category 3 ≤ 10,0 10,0 < Category 4 ≤ 20,0	0,05 0,5 3 11
Dust/mist (mg/l)	0< Category 1 ≤ 0,05 0,05 < Category 2 ≤ 0,5 0,5 < Category 3 ≤ 1,0 1,0 < Category 4 ≤ 5,0	0,005 0,05 0,5 1,5

Note 1
These values are designed to be used in the calculation of the ATE for classification of a mixture based on its components and do not represent test results.

Four ingredients are classified in this class of hazard.

- 0.6 % (Acute Tox. 4, H302)
- 0.01 % (Acute Tox. 4, H302) ATE = 324 mg/kg
- 0.00115 % (Acute Tox. 3, H301) ATE = 66 mg/kg
- 0.0000075 % (Acute Tox. 3, H301)

$$ATE_{mix} = \frac{100}{\sum_{i=1}^{n} \frac{C_i}{ATE_i}} = \frac{100}{\frac{0.6}{500} + \frac{0.01}{324} + \frac{0.00115}{66} + \frac{0.0000075}{100}} = \frac{100}{0.001248} = 80128.21 \frac{mg}{kg\ bw}$$

According to the table 3.1.2, the result (80128.21 mg/kg bw) is significantly higher than generic concentration level (2 000 mg/kg bw). Therefore the formulation is not classified as Acute Tox. 4, H302.

Alternative coformulants

Four ingredients are classified in this class of hazard.

- 0.6 % (Acute Tox. 4, H302)
- 0.02 % (Acute Tox. 4, H302) ATE = 450 mg/kg
- 0.01 % (Acute Tox. 4, H302)
- 0.0005 % (Acute Tox. 3, H301)

$$ATE_{mix} = \frac{100}{\sum_{i=1}^{n} \frac{C_i}{ATE_i}} = \frac{100}{\frac{0.6}{500} + \frac{0.02}{450} + \frac{0.01}{500} + \frac{0.0005}{100}} = \frac{100}{0.001269} = 78802.21 \frac{mg}{kg\ bw}$$

According to the table 3.1.2, the result (78802.21 mg/kg bw) is significantly higher than generic concentration level (2 000 mg/kg bw). Therefore the formulation is not classified as Acute Tox. 4, H302.

Conclusion
According to the table 3.1.2, the results are significantly higher than generic concentration level (2 000 mg/kg bw). Therefore the formulation is not classified as Acute Tox. 4, H302.

A 2.3 Acute percutaneous (dermal) toxicity (KCP 7.1.2)

Comments of zRMS:	The acute dermal toxicity study with Chlorantraniliprole 200 g/L SC has been evaluated as the representative formulation in the EU review of active substance. Since the study has been reviewed and accepted during EU review and within registration process of Coragen 200 SC in Poland, zRMS:PL did not performed a new assessment. Taking into account results of the study no classification for acute dermal toxicity is required according to Regulation (EC) No 1272/2008. In opinion of zRMS, according to current requirements, the study is acceptable for evaluation of acute dermal toxicity of CLOROL 200 SC. For acute dermal toxicity the assessment has been conducted by the applicant based on the alternative method according to the Regulation (EC) 1272/2008. According to calculation method, ATEmix is higher than 2000 mg/kg bw. Therefore according to Regulation (EC) No 1272/2008 classification is not required. Alternative method provided by the applicant is considered as supplementary information.

Reference:	KCP 7.1.2
Report	Toxicological classification of product CLOROL 200 SC based on calculation method taking into consideration health hazards of constituent substances; I. Muchewicz; 2024
Guideline(s):	Regulation (EC) No. 1272/2008
Deviations:	-
GLP:	No
Acceptability:	

According to point 7.1.2 of Part A of Annex to the Commission Regulation (EU) No 284/2013 as regards the data requirements for plant protection products:
”A test for dermal toxicity shall be carried out on a case by case basis, unless the applicant can justify an alternative approach under Regulation (EC) No 1272/2008. In the latter case, acute dermal toxicity of all components shall be provided or reliably predicted with a validated method. Consideration shall be given to the possible effects of components on the toxic potential of the total mixture.
Findings of severe skin irritation or corrosion in the dermal study may be used instead of performing a specific irritation study.”

The complete composition of the formulation with the classification of individual ingredients is available in part C.

Due to the fact, that all components of the formulation CLOROL 200 SC are known, the acute dermal toxicity test is not necessary.

Materials and methods

We use the summation method using the formula:

$$ATE_{mix} = \frac{100}{\sum_{i=1}^{n} \frac{C_i}{ATE_i}}$$

Where:

- Ci - concentration of ingredient i (% w/w or % v/v)
- i – the individual ingredient from 1 to n
- n – the number of ingredients
- ATE_i - Acute Toxicity Estimate of ingredient i.

We use the table:

Table 3.1.2 Conversion from experimentally obtained acute toxicity range values (or acute toxicity hazard categories) to acute toxicity point estimates for classification for the respective routes of exposure.

Exposure routes	Classification Category or experimentally obtained acute toxicity range estimate	Converted acute toxicity point estimate (see Note 1)
Oral (mg/kg bodyweight)	0 < Category 1 ≤ 5 5 < Category 2 ≤ 50 50 < Category 3 ≤ 300 300 < Category 4 ≤ 2 000	0,5 5 100 500
Dermal (mg/kg bodyweight)	0 < Category 1 ≤ 50 50 < Category 2 ≤ 200 200 < Category 3 ≤ 1 000 1 000 < Category 4 ≤ 2 000	5 50 300 1 100
Gases (ppmV)	0 < Category 1 ≤ 100 100 < Category 2 ≤ 500 500 < Category 3 ≤ 2 500 2 500 < Category 4 ≤ 20 000	10 100 700 4 500
Vapours (mg/l)	0 < Category 1 ≤ 0,5 0,5 < Category 2 ≤ 2,0 2,0 < Category 3 ≤ 10,0 10,0 < Category 4 ≤ 20,0	0,05 0,5 3 11
Dust/mist (mg/l)	0< Category 1 ≤ 0,05 0,05 < Category 2 ≤ 0,5 0,5 < Category 3 ≤ 1,0	0,005 0,05 0,5

	1,0 < Category 4 ≤ 5,0	1,5

Note 1 These values are designed to be used in the calculation of the ATE for classification of a mixture based on its components and do not represent test results.

Three ingredients are classified in this class of hazard.

- 0.01 % (Acute Tox. 4, H312) ATE = 1.600 mg/kg
- 0.00115 % (Acute Tox. 2, H310) ATE = 141 mg/kg
- 0.0000075 % (Acute Tox. 3, H311)

$$ATE_{mix} = \frac{100}{\sum_{i=1}^{n} \frac{C_i}{ATE_i}} = \frac{100}{\frac{0.01}{1.600} + \frac{0.00115}{141} + \frac{0.0000075}{300}} = \frac{100}{0.006258} = 15979.55 \frac{mg}{kg\ bw}$$

According to the table 3.1.2, the result (15979.55 mg/kg bw > > 2000 mg/kg bw) is significantly higher than concentration triggering classification and therefore the whole formulation is not classified as Acute Tox. 4, H312.

Conclusion
According to the table 3.1.2, the result is significantly higher than concentration triggering classification and therefore the whole formulation is not classified as Acute Tox. 4, H312.

A 2.4 Acute inhalation toxicity (KCP 7.1.3)

Comments of zRMS:	The acute inhalation toxicity study with Chlorantraniliprole 200 g/L SC has been evaluated in the EU review of active substance. The study has been reviewed and accepted during EU review and within registration process of Coragen 200 SC in Poland, zRMS:PL did not performed a new assessment. Taking into account results of the study no classification for acute inhalation toxicity is required according to Regulation (EC) No 1272/2008. In opinion of zRMS, according to current requirements, the study is acceptable for evaluation of acute inhalation toxicity of CLOROL 200 SC. For acute inhalation toxicity the assessment has been conducted by the applicant based on the alternative method according to the Regulation (EC) 1272/2008. According to calculation method ATEmix is higher than generic concentration level (1.5 mg/l). Therefore according to Regulation (EC) No 1272/2008 classification is not required. Alternative method provided by the applicant is considered as supplementary information.

Reference:	KCP 7.1.3
Report	Toxicological classification of product CLOROL 200 SC based on calculation method taking into consideration health hazards of constituent substances; I. Muchewicz; 2024
Guideline(s):	Regulation (EC) No. 1272/2008
Deviations:	-
GLP:	No
Acceptability:	

Inhalation study on CLOROL 200 SC is not required. Aaccording to point 7.1.3 of Part A of Annex to the

Commission Regulation (EU) No 284/2013 as regards the data requirements for plant protection products the inhalation test must be carried out ~~since~~ when the preparation is:

- a gas or liquefied gas,
- a smoke generating formulation or fumigant,
- used with fogging equipment,
- a vapor releasing preparation,
- an aerosol,
- a powder containing a significant proportion of particles of diameter <50 μm (> 1% on a weight basis),
- to be applied from aircraft in cases where inhalation exposure is relevant,
- contains an active substance with a vapor pressure > 1x10-2 Pa and is to be used in enclosed spaces such as warehouses or glasshouses,
- ~~to be applied in a manner which generates a significant proportion of particles or droplets of diameter < 50 μm (> 1% on a weight basis).~~
- to be applied by spraying.

~~The active substances and the other co-formulants are not classified as acute inhalation toxic, it can be assumed that entire formulation is not classified in this class. According to point 7.1.3 of part A of Annex Regulation No 284/2014, it is possible to waive from acute inhalation toxicity test.~~
A study shall not be required if the applicant can justify an alternative approach under Regulation (EC) No 1272/2008, where applicable. For this purpose, acute inhalation toxicity of all components shall be provided or reliably predicted with a validated method. Consideration shall be given to the possible effects of components on the toxic potential of the total mixture.

The complete composition of the formulation with the classification of individual ingredients is available in part C.

Materials and methods

We use the summation method using the formula:

$$ATE_{mix} = \frac{100}{\sum_{i=1}^{n} \frac{C_i}{ATE_i}}$$

Where:

- Ci - concentration of ingredient i (% w/w or % v/v)
- i – the individual ingredient from 1 to n
- n – the number of ingredients
- ATEi - Acute Toxicity Estimate of ingredient i.

We use the table:
Table 3.1.2 Conversion from experimentally obtained acute toxicity range values (or acute toxicity hazard categories) to acute toxicity point estimates for classification for the respective routes of exposure.

Exposure routes	Classification Category or experimentally obtained acute toxicity range estimate	Converted acute toxicity point estimate (see Note 1)
Oral (mg/kg body-weight)	0 < Category 1 ≤ 5 5 < Category 2 ≤ 50 50 < Category 3 ≤ 300 300 < Category 4 ≤ 2 000	0,5 5 100 500
Dermal (mg/kg bod-	0 < Category 1 ≤ 50	5

yweight)	50 < Category 2 ≤ 200 200 < Category 3 ≤ 1 000 1 000 < Category 4 ≤ 2 000	50 300 1 100
Gases (ppmV)	0 < Category 1 ≤ 100 100 < Category 2 ≤ 500 500 < Category 3 ≤ 2 500 2 500 < Category 4 ≤ 20 000	10 100 700 4 500
Vapours (mg/l)	0 < Category 1 ≤ 0,5 0,5 < Category 2 ≤ 2,0 2,0 < Category 3 ≤ 10,0 10,0 < Category 4 ≤ 20,0	0,05 0,5 3 11
Dust/mist (mg/l)	0< Category 1 ≤ 0,05 0,05 < Category 2 ≤ 0,5 0,5 < Category 3 ≤ 1,0 1,0 < Category 4 ≤ 5,0	0,005 0,05 0,5 1,5

Note 1 These values are designed to be used in the calculation of the ATE for classification of a mixture based on its components and do not represent test results.

Only two ingredients are relevant in this class of hazard:

- 0.00115 % (Acute Tox. 2, H330) ATE = 0.17 mg/L
- 0.0000075 % (Acute Tox. 2, H330)

$$ATE_{mix} = \frac{100}{\sum_{i=1}^{n} \frac{C_i}{ATE_i}} = \frac{100}{\frac{0.00115}{0.17} + \frac{0.0000075}{0.05}} = \frac{100}{0.006915} = 14461.32 \frac{mg}{l}$$

According to the table 3.1.2, result (14461.32 mg/l) is higher than generic concentration level (1.5 mg/l). Therefore the formulation is not classified in this class of hazard**.**

Alternative coformulants

Only two ingredients are relevant in this class of hazard:

- 0.02 % (Acute Tox. 2, H330) ATE = 0.21 mg/L
- 0.0005 % (Acute Tox. 2, H330)

$$ATE_{mix} = \frac{100}{\sum_{i=1}^{n} \frac{C_i}{ATE_i}} = \frac{100}{\frac{0.02}{0.21} + \frac{0.0005}{0.05}} = \frac{100}{0.1052} = 950.57 \frac{mg}{l}$$

According to the table 3.1.2, result (950.57 mg/l) is higher than generic concentration level (1.5 mg/l). Therefore the formulation is not classified in this class of hazard**.**

Conclusion
According to the table 3.1.2, results are higher than generic concentration level (1.5 mg/l). Therefore the formulation is not classified in this class of hazard**.**

A 2.5 Skin irritation (KCP 7.1.4)

Comments of zRMS:	The skin irritation study with Chlorantraniliprole 200 g/L SC has been evaluated in the EU review of active substance. The study has been reviewed and accepted during EU review and within registration process of Coragen 200 SC in Poland, zRMS:PL did not performed a new assessment. Taking into account results of the study no classification for skin irritation is required according to Regulation (EC) No 1272/2008. In opinion of zRMS, according to current requirements, the study is acceptable for evaluation of skin irritation of CLOROL 200 SC. For skin irritation the assessment has been conducted by the applicant based on the alternative method according to the Regulation (EC) 1272/2008. According to calculations the results are lower than generic concentration level (10%). Therefore according to Regulation (EC) No 1272/2008 classification is not required. Alternative method provided by the applicant is considered as supplementary information.

Reference: KCP 7.1.4

Report: Toxicological classification of product CLOROL 200 SC based on calculation method taking into consideration health hazards of constituent substances; I. Muchewicz; 2024

Guideline(s): Regulation (EC) No. 1272/2008

Deviations: -

GLP: No

Acceptability:

Materials and methods

According to point 7.1.4 of Part A of Annex to the Commission Regulation (EU) No 284/2013 as regards the data requirements for plant protection products:
" The skin irritancy of the plant protection product shall be reported based on the tiered approach, unless the applicant can justify an alternative approach under Regulation (EC) No 1272/2008. In the latter case, skin irritation properties of all components shall be provided or reliably predicted with a validated method. Consideration shall be given to the possible effects of components on the irritant potential of the total mixture."

The complete composition of the formulation with the classification of individual ingredients is available in part C.
Due to the fact, that all components of the formulation CLOROL 200 SC are known, skin corrosive test is not necessary.

For consideration of corrosive and irritant properties the following table applies:

Table 3.2.3 Generic concentration limits of ingredients classified for skin corrosive/irritant hazard (Category 1 or 2) that trigger classification of the mixture as corrosive/irritant to skin.

Sum of ingredients classified as:	Concentration triggering classification of a mixture as:	
	Skin Corrosive	Skin Irritant
	Category 1 (see note below)	Category 2
Skin Corrosive Categories 1A, 1B, 1C	≥ 5 %	≥ 1 % but < 5 %
Skin irritant Category 2		≥ 10 %
10 × Skin Corrosive Category 1A, 1B, 1C) + Skin irritant Category 2		≥ 10 %

Note

The sum of all ingredients of a mixture classified as Skin Corrosive Category 1A, 1B or 1C respectively, shall each be ≥ 5 % respectively in order to classify the mixture as either Skin Corrosive Category 1A, 1B or 1C. If the sum of the Skin Corrosive Category 1A ingredients is < 5 % but the sum of Category 1A+1B ingredients is ≥ 5 %, the mixture shall be classified as Skin Corrosive Category 1B. Similarly, if the sum of Skin Corrosive Category 1A+1B ingredients is < 5 % but the sum of Category 1A+1B+1C ingredients is ≥ 5 % the mixture shall be classified as Skin Corrosive Category 1C.

Three ingredients are relevant in this class of hazard.

- 0.01 % (Skin Irrit. 2, H315)
- 0.00115 % (Skin Corr. 1C, H314) SCL: 0.06 % < C < 0.6 %
- 0.0000075 % (Skin Corr. 1B, H314)

$$10\ (\sum C_{SkinCorr.}) + \sum C_{SkinIrrit.} = 10\ x\ (0.00115\ \% + 0.0000075\ \%) + 0.01\ \% = 0.022\ \%$$

The result (0.0022 %) is lower is than generic concentration level (10%). Therefore the whole formulation is not classified as Skin Irrit. 2, H315.

Alternative coformulants

Four ingredients are relevant in this class of hazard.

- 0.02 % (Skin Irrit. 2, H315)
- 0.002 % (Skin Corr. 1A, H314) SCL: 0.5 % < C < 2 %
- 0.00115 % (Skin Corr. 1A, H314) SCL: 0.5 % < C < 2 %
- 0.0005 % (Skin Corr. 1B, H314)

$$10\ (\sum C_{SkinCorr.}) + \sum C_{SkinIrrit.} = 10\ x\ (0.002 + 0.00115 + 0.0005) + 0.02\ \% = 0.057\ \%$$

The result (0.0057 %) is lower than generic concentration level (10%). Therefore the whole formulation is not classified as Skin Irrit. 2, H315.

Conclusion
The results are lower than generic concentration level (10%). Therefore the whole formulation is not classified as Skin Irrit. 2, H315.

A 2.6 Eye irritation (KCP 7.1.5)

Comments of zRMS:	The eye irritation study with Chlorantraniliprole 200 g/L SC has been evaluated in the EU review of active substance. The study has been reviewed and accepted during EU review and within registration process of Coragen 200 SC in Poland, zRMS:PL did not performed a new assessment. Taking into account results of the study no classification for eye irritation is required according to Regulation (EC) No 1272/2008. In opinion of zRMS, according to current requirements, the study is acceptable for evaluation of eye irritation of CLOROL 200 SC. For eye irritation the assessment has been conducted by the applicant based on the alternative method according to the Regulation (EC) 1272/2008. According to calculations the results are lower than generic concentration level (10%). Therefore according to Regulation (EC) No 1272/2008 classification is not required. Alternative method provided by the applicant is considered as supplementary information.

Reference: KCP 7.1.5

Report	Toxicological classification of product CLOROL 200 SC based on calculation method taking into consideration health hazards of constituent substances; I. Muchewicz; 2024
Guideline(s):	Regulation (EC) No. 1272/2008
Deviations:	-
GLP:	No
Acceptability:	

Materials and methods

According to point 7.1.5 of Part A of Annex to the Commission Regulation (EU) No 284/2013 as regards the data requirements for plant protection products:
" Eye irritation tests shall be provided, unless it is likely that severe effects on the eyes may be produced or the applicant can justify an alternative approach under Regulation (EC) No 1272/2008. In the latter case, eye irritation properties of all components shall be provided or reliably predicted with a validated method. Consideration shall be given to the possible effects of components on the irritant potential of the total mixture."

The complete composition of the formulation with the classification of individual ingredients is available in part C.
Due to the fact, that all components of the formulation CLOROL 200 SC are known, eye corrosion test is not necessary.

For consideration of corrosive and irritant properties the following table applies:

Table 3.3.3 Generic concentration limits of ingredients of a mixture classified as Skin corrosive Category 1 and/ or eye Category 1 or 2 for effects on the eye that trigger classification of the mixture for effects on the eye (Category 1 or 2).

Sum of ingredients classified as:	Concentration triggering classification of a mixture as:	
	Irreversible Eye Effects	Reversible Eye Effects
	Category 1	Category 2
Eye Effects Category 1 or Skin Corrosive Category 1A, 1B, 1C	≥ 3 %	≥ 1 % but < 3 %
Eye Effects Category 2		≥ 10 %
(10 × Eye Effects Category 1) + Eye effects Category 2		≥ 10 %
Skin Corrosive Category 1A, 1B, 1C + Eye effects Category 1	≥ 3 %	≥ 1 % but < 3 %
10 × (Skin Corrosive Category 1A, 1B, 1C + Eye Effects Category 1) + Eye Effects Category 2		≥ 10 %

Five ingredients are relevant in this class of hazard.

- 0.6 % (Eye Dam. 1, H318)
- 0.01 % (Eye Dam. 1, H318)
- 0.003 % (Eye Irrit. 2, H319)
- 0.00115 % (Eye Dam. 1, H318)

- 0.0000075 % (Eye Dam. 1, H318)

$$10 \times \sum C_{Eye\ Dam.} + \sum C_{Eye\ Irrit.} = 10 \text{ x } (0.6\ \% + 0.01\ \% + 0.00115\ \% + 0.0000075\ \%) + 0.003\ \% = 6.11\ \%$$

The result (6.11 %) is lower than result triggering eye hazard classification (10 %). Therefore the whole formulation is not classified as irritant to eyes.

Conclusion
The result (6.11 %) is lower than result triggering eye hazard classification (10 %). Therefore the whole formulation is not classified as irritant to eyes.

A 2.7 Skin sensitisation (KCP 7.1.6)

Comments of zRMS:	The skin sensitisation study with Chlorantraniliprole 200 g/L SC has been evaluated in the EU review of active substance. The study has been reviewed and accepted during EU review and within registration process of Coragen 200 SC in Poland, zRMS:PL did not performed a new assessment. Taking into account results of the study no classification for skin sensitisation is required according to Regulation (EC) No 1272/2008. In opinion of zRMS, according to current requirements, the study is acceptable for evaluation of skin sensitisation of CLOROL 200 SC. For skin sensitisation the assessment has been conducted by the applicant based on the alternative method according to the Regulation (EC) 1272/2008. According to calculations the results are lower than specific concentration triggering Skin Sens. 1, H317 classification and lower than the generic concentration limit (1%) Therefore according to Regulation (EC) No 1272/2008 classification is not required. Alternative method provided by the applicant is considered as supplementary information.

Reference:	KCP 7.1.6
Report	Toxicological classification of product CLOROL 200 SC based on calculation method taking into consideration health hazards of constituent substances; I. Muchewicz; 2024
Guideline(s):	Regulation (EC) No. 1272/2008
Deviations:	-
GLP:	No
Acceptability:	

Materials and methods

According to point 7.1.6 of Part A of Annex to the Commission Regulation (EU) No 284/2013 as regards the data requirements for plant protection products:

”The skin sensitisation test shall be carried out unless the active substances or co-formulants are known to have sensitising properties or the applicant can justify an alternative approach under Regulation (EC) No 1272/2008. In the latter case, skin sensitisation properties of all components shall be provided or reliably predicted with a validated method.
Consideration shall be given to the possible effects of components on the sensitising potential of the total mixture.” Due to the fact, that all components of the formulation CLOROL 200 SC are known, skin sensitisation test is not necessary.

The complete composition of the formulation with the classification of individual ingredients is available

in part C.

Materials and methods

We use the table:

Table 3.4.5
Generic concentration limits of ingredients of a mixture classified as either skin sensitisers or respiratory sensitisers that trigger classification of the mixture

Ingredient classified as:	Concentration triggering classification of a mixture as:		
	Skin Sensitiser	Respiratory Sensitiser	
	All physical states	Solid/Liquid	Gas
Skin Sensitiser Category 1	≥ 1,0 %	-	-
Skin Sensitiser Category 1A	≥ 0,1 %	-	-
Skin Sensitiser Category 1B	≥ 1,0 %		
Respiratory Sensitiser Category 1	-	≥ 1,0 %	≥ 0,2 %
Respiratory Sensitiser Category 1A	-	≥ 0,1 %	≥ 0,1 %
Respiratory Sensitiser Category 1B		≥ 1,0 %	≥ 0,2 %

Only two ingredients are relevant.

- 0.00115 % (Skin Sens. 1, H317) SCL: ≥ 0.0015 %
- ~~0.0045 –~~0.0000075- % (Skin Sens. 1A, H317) SCL: ≥ 0.0015 %

The concentration of this compound is lower than specific concentration triggering Skin Sens. 1, H317 classification. Therefore the whole formulation will not be classified as skin sensitizing.

Alternative coformulants
Only two ingredients are relevant.

- 0.02 % (Skin Sens. 1, H317) SCL: ≥ 0.036 %
- 0.0005 % (Skin Sens. 1A, H317)

The concentrations of this ingredients is lower than specific concentration triggering Skin Sens. 1, H317 classi-fication and not exceed the generic concentration limit which triggers product's sensitization classification (1%) Therefore the whole formulation will not be classified as skin sensitizing.

The concentration limit for the elicitation of one component amounts to 0.00015% (one tenth of the specific concentration limit). Thus, the label of the formulation should contain a sentence:
EUH208 — 'Contains Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction'

Conclusion
The concentrations of ingredients is lower than specific concentration triggering Skin Sens. 1, H317 classi-fication and not exceed the generic concentration limit which triggers product's sensitization classification (1%) Therefore the whole formulation will not be classified as skin sensitizing. The label of the formulation should contain a sentence:

EUH208 — 'Contains Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction'

A 2.8 Supplementary studies for combinations of plant protection products (KCP 7.1.7)

Not relevant.

A 2.9 Data on co-formulants (KCP 7.4)

A 2.9.1 Material safety data sheet for each co- formulant

Information regarding material safety data sheets of the co-formulants can be found in the confidential dossier of this submission (Registration Report - Part C).

A 2.9.2 Available toxicological data for each co-formulant

Available toxicological data for each co-formulant can be found in the confidential dossier of this submission (Registration Report - Part C).

A 2.10 Studies on dermal absorption (KCP 7.3)

Not relevant.

A 2.11 Other/Special Studies

A 2.11.1 Specific target organ toxicity

Comments of zRMS:	For specific target organ toxicity the assessment has been conducted by the applicant based on the calculation method according to the Regulation (EC) 1272/2008. The concentrations of ingredient classified as STOT SE 3, H335 are significantly lower than specific and generic concentrations triggering classification. The concentration of ingredient classified as STOT RE 1, H372 is significantly lower than generic concentration level. Thus, according to Regulation (EC) No 1272/2008 classification is not required. Calculation method provided by the applicant is acceptable.

Reference:	KCP 7.1.7
Report	Toxicological classification of product CLOROL 200 SC based on calculation method taking into consideration health hazards of constituent substances; I. Muchewicz; 2024
Guideline(s):	Regulation (EC) No. 1272/2008
Deviations:	-
GLP:	No

Acceptability:

For consideration of specific target organ properties the following table applies:

Table 3.8.3 Generic concentration limits of ingredients of a mixture classified as a specific target organ toxicant that trigger classification of the mixture as Category 1 or 2.

Ingredient classified as:	Generic concentration limits triggering classification of the mixture as:	
	Category 1	Category 2
Category 1 Specific Target Organ Toxicant	Concentration ≥ 10 %	1,0 % ≤ concentration < 10 %
Category 2 Specific Target Organ Toxicant		Concentration ≥ 10 % [(Note 1)]

Note 1
If a Category 2 specific target organ toxicant is present in the mixture as an ingredient at a concentration ≥ 1,0 % a SDS shall be available for the mixture upon request.

We also took into account the point 3.8.3.4.5.: "Care shall be exercised when extrapolating toxicity of a mixture that contains Category 3 ingredient(s). A generic concentration limit of 20 % is appropriate; however, it shall be recognised that this concentration limit may be higher or lower depending on the Category 3 ingredient(s) and that some effects such as respiratory tract irritation may not occur below a certain concentration while other effects such as narcotic effects may occur below this 20 % value. Expert judgement shall be exercised."

Specific target organ toxicity - single exposure (STOT SE 3, H335)

One ingredient is classified as STOT SE 3.

- 0.01 % (STOT SE 3, H335)

The concentration of ingredient classified as STOT SE 3, H335 is significantly lower than generic concentration level (20 %). According to point 3.8.3.4.5. CLP Regulation the formulation is not classified as STOT SE 3, H335.

Specific target organ toxicity - single exposure (STOT SE 3, H335) – alternative coformulants

One ingredient is classified as STOT SE 3.

- 0.0005 % (STOT SE 3, H335) SCL: 0.5 % ≤ C ≤ 5 %

The concentrations of ingredient classified as STOT SE 3, H335 are significantly lower than specific concentrations triggering classification. According to point 3.8.3.4.5. CLP Regulation the formulation is not classified as STOT SE 3, H335.

Specific target organ toxicity - repeated exposure (STOT RE 1, H372)

One ingredient is classified as STOT RE 1, H372.

- 0.003 % (STOT RE 1, H372)

The concentration of ingredient classified as STOT RE 1, H372 is significantly lower than generic concentration level (1.0 %). According to point 3.8.3.4.5. CLP Regulation the formulation is not classified as STOT RE 1, H372.

Specific target organ toxicity - repeated exposure (STOT RE 1, H372) – alternative coformulants

One ingredient is classified as STOT RE 1, H372.

- 0.001 % (STOT RE 1, H372)

The concentration of ingredient classified as STOT RE 1, H372 is significantly lower than generic concentration level (1.0 %). According to point 3.8.3.4.5. CLP Regulation the formulation is not classified as STOT RE 1, H372.

Conclusion
The concentration of ingredient classified as STOT RE 1, H372 and STOT SE 3, H335 are significantly lower than generic concentration levels. According to point 3.8.3.4.5. CLP Regulation the formulation is not classified as STOT RE 1, H372 and STOT SE 3, H335.

A 2.11.2 Toxicity for reproduction

Comments of zRMS:	The hazard assessment has been conducted by the applicant based on the alternative method (calculation) according to the Regulation (EC) 1272/2008 and is acceptable.

Reference:	KCP 7.1.7
Report	Toxicological classification of product CLOROL 200 SC based on calculation method taking into consideration health hazards of constituent substances; I. Muchewicz; 2024
Guideline(s):	Regulation (EC) No. 1272/2008
Deviations:	-
GLP:	No
Acceptability:	

For consideration of ~~carcinogenicity~~ reprotoxicity the following table applies:

Table 3.7.2

Generic concentration limits of ingredients of a mixture classified as reproduction toxicants or for effects on or via lactation that trigger classification of the mixture

Ingredient classified as:	Generic concentration limits triggering classification of a mixture as:			
	Category 1A reproductive toxicant	Category 1B reproductive toxicant	Category 2 reproductive toxicant	Additional category for effects on or via lactation
Category 1A reproductive toxicant	≥ 0,3 % [Note 1]			
Category 1B reproductive toxicant		≥ 0,3 % [Note 1]		
Category 2 reproductive toxicant			≥ 3,0 % [Note 1]	
Additional category for effects on or via lactation				≥ 0,3 % [Note 1]

Note
The concentration limits in the table above apply to solids and liquids (w/w units) as well as gases (v/v units).
Note 1

If a Category 1 or Category 2 reproductive toxicant or a substance classified for effects on or via lactation is present in the mixture as an ingredient at a concentration above 0,1 %, a SDS shall be available for the mixture upon request.

One ingredient is classified in this class of hazard:

- 0.0005 % (Repr. 2, H361f)

A concentration of this compound is lower than concentration triggering classification (3%). Therefore the formulation is not classified as toxic for reproduction.

Conclusion
A concentration of ingredient is lower than concentration triggering classification (3%). Therefore the formulation is not classified as toxic for reproduction

A 2.11.3 Carcinogenicity

Comments of zRMS:	The hazard assessment has been conducted by the applicant based on the alternative method (calculation) according to the Regulation (EC) 1272/2008 and is acceptable.

Reference:	KCP 7.1.7
Report	Toxicological classification of product CLOROL 200 SC based on calculation method taking into consideration health hazards of constituent substances; I. Muchewicz; 2024
Guideline(s):	Regulation (EC) No. 1272/2008
Deviations:	-
GLP:	No
Acceptability:	

For consideration of carcinogenicity the following table applies:
Table 3.6.2
Generic concentration limits of ingredients of a mixture classified as carcinogen that trigger classification of the mixture.

Ingredient classified as:	Generic concentration limits triggering classification of a mixture as:		
	Category 1A carcinogen	Category 1B carcinogen	Category 2 carcinogen
Category 1A carcinogen	≥ 0.1 %	-	-
Category 1B carcinogen	-	≥ 0.1 %	-
Category 2 carcinogen	-	-	≥ 1.0 % [Note 1]

One ingredient is relevant in this class of hazard.

- 0.97 % (Carc. 2, H351)

The concentration of relevant ingredient is lower than generic concentration level (1.0 %). Therefore the formulation is not classified as Carc. 2, H351.

Conclusion
The concentration of relevant ingredient is lower than generic concentration level (1.0 %). Therefore the formulation is not classified as Carc. 2, H351.

Appendix 3 Exposure calculations

All input folder zip for OPEX you can find below and report you can find below and in pint A3.1 – A3.4:


Clorol 200 SC_20240425_09h55_opex1.0.2.zip


Clorol 200 SC_20240425.docx

A 3.1 Operator exposure calculations (KCP 7.2.1.1)

A 3.1.1 Calculations for Chlorantraniliprole for default value of dermal absorption

A 3.1.1.1 Use 1 : Field crops

A 3.1.1.1.1 Scenario 1 : Outdoor, normal, downward spraying, vehicle-mounted

Chlorantraniliprole , Input Data			
Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Field crops
Area treated [ha/day]	50	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**21.1**	**21.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.1**	**0.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.07**	**0.07**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2.5**	**2.5**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.06**	**0.06**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	6.7	6.7

A 3.1.1.2 Use 2 : Field crops

A 3.1.1.2.1 Scenario 1 : Outdoor, normal, downward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Field crops
Area treated [ha/day]	50	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**21.1**	**21.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.1**	**0.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.07**	**0.07**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2.5**	**2.5**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.06**	**0.06**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	6.7	6.7

A 3.1.1.3 Use 3 : Low vegetables

A 3.1.1.3.1 Scenario 1 : Outdoor, normal, downward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	50	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**24.4**	**24.4**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.1**	**0.1**
	Head protection	*None*	*None*
	Head exposure	**0.3**	**0.3**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.08**	**0.08**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**3.1**	**3.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.05**	**0.05**
	Head protection	*None*	*None*
	Head exposure	**0.08**	**0.08**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	7.8	7.8

A 3.1.1.3.2 Scenario 2 : Outdoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	4	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**4.8**	**4.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.03**	**0.03**
	Head protection	*None*	*None*
	Head exposure	**0.02**	**0.02**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.09	0.09
	% of AOEL	25.7	25.7

A 3.1.1.3.3 Scenario 3 : Outdoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	28.9	28.9

A 3.1.1.4 Use 4 : Low vegetables

A 3.1.1.4.1 Scenario 1 : Outdoor, normal, downward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	50	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**24.4**	**24.4**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.1**	**0.1**
	Head protection	*None*	*None*
	Head exposure	**0.3**	**0.3**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.08**	**0.08**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**3.1**	**3.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.05**	**0.05**
	Head protection	*None*	*None*
	Head exposure	**0.08**	**0.08**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	7.8	7.8

A 3.1.1.4.2 Scenario 2 : Outdoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	4	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**4.8**	**4.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.03**	**0.03**
	Head protection	*None*	*None*
	Head exposure	**0.02**	**0.02**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.09	0.09
	% of AOEL	25.7	25.7

A 3.1.1.4.3 Scenario 3 : Outdoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	28.9	28.9

A 3.1.1.5 Use 5 : Low vegetables

A 3.1.1.5.1 Scenario 1 : Outdoor, normal, downward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	50	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**24.4**	**24.4**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.1**	**0.1**
	Head protection	*None*	*None*
	Head exposure	**0.3**	**0.3**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.08**	**0.08**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**3.1**	**3.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.05**	**0.05**
	Head protection	*None*	*None*
	Head exposure	**0.08**	**0.08**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	7.8	7.8

A 3.1.1.5.2 Scenario 2 : Outdoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	4	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**4.8**	**4.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.03**	**0.03**
	Head protection	*None*	*None*
	Head exposure	**0.02**	**0.02**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.09	0.09
	% of AOEL	25.7	25.7

A 3.1.1.5.3 Scenario 3 : Outdoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	28.9	28.9

A 3.1.1.6 Use 6 : Low vegetables

A 3.1.1.6.1 Scenario 1 : Outdoor, normal, downward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	50	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**24.4**	**24.4**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.1**	**0.1**
	Head protection	*None*	*None*
	Head exposure	**0.3**	**0.3**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.08**	**0.08**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**3.1**	**3.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.05**	**0.05**
	Head protection	*None*	*None*
	Head exposure	**0.08**	**0.08**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	7.8	7.8

A 3.1.1.6.2 Scenario 2 : Outdoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	4	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**4.8**	**4.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.03**	**0.03**
	Head protection	*None*	*None*
	Head exposure	**0.02**	**0.02**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.09	0.09
	% of AOEL	25.7	25.7

A 3.1.1.6.3 Scenario 3 : Outdoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	28.9	28.9

A 3.1.1.7 Use 7 : Low vegetables

A 3.1.1.7.1 Scenario 1 : Outdoor, normal, downward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	50	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**24.4**	**24.4**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.1**	**0.1**
	Head protection	*None*	*None*
	Head exposure	**0.3**	**0.3**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.08**	**0.08**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**3.1**	**3.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.05**	**0.05**
	Head protection	*None*	*None*
	Head exposure	**0.08**	**0.08**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	7.8	7.8

A 3.1.1.7.2 Scenario 2 : Outdoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	4	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**4.8**	**4.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.03**	**0.03**
	Head protection	*None*	*None*
	Head exposure	**0.02**	**0.02**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.09	0.09
	% of AOEL	25.7	25.7

A 3.1.1.7.3 Scenario 3 : Outdoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	28.9	28.9

A 3.1.1.8 Use 8 : Low vegetables

A 3.1.1.8.1 Scenario 1 : Indoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2**	**2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*None*
	Head exposure	**0.005**	**0.005**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.1**	**1.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	4.2	4.2

A 3.1.1.8.2 Scenario 2 : Indoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.1**	**1.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	8.2	8.2

A 3.1.1.8.3 Scenario 3 : Indoor, dense, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2**	**2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*None*
	Head exposure	**0.005**	**0.005**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**102**	**102**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	32.1	32.1

A 3.1.1.8.4 Scenario 4 : Indoor, dense, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**102**	**102**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	36.1	36.1

A 3.1.1.9 Use 9 : Low vegetables

A 3.1.1.9.1 Scenario 1 : Indoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2**	**2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*None*
	Head exposure	**0.005**	**0.005**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.1**	**1.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	4.2	4.2

A 3.1.1.9.2 Scenario 2 : Indoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.1**	**1.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	8.2	8.2

A 3.1.1.9.3 Scenario 3 : Indoor, dense, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2**	**2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*None*
	Head exposure	**0.005**	**0.005**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**102**	**102**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	32.1	32.1

A 3.1.1.9.4 Scenario 4 : Indoor, dense, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**102**	**102**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	36.1	36.1

A 3.1.1.10 Use 10 : Low vegetables

A 3.1.1.10.1 Scenario 1 : Indoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2**	**2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*None*
	Head exposure	**0.005**	**0.005**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.1**	**1.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	4.2	4.2

A 3.1.1.10.2 Scenario 2 : Indoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data			
Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.1**	**1.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	8.2	8.2

A 3.1.1.10.3 Scenario 3 : Indoor, dense, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2**	**2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*None*
	Head exposure	**0.005**	**0.005**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**102**	**102**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	32.1	32.1

A 3.1.1.10.4 Scenario 4 : Indoor, dense, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**102**	**102**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	36.1	36.1

A 3.1.1.11 Use 11 : Low vegetables

A 3.1.1.11.1 Scenario 1 : Indoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2**	**2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*None*
	Head exposure	**0.005**	**0.005**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.1**	**1.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	4.2	4.2

A 3.1.1.11.2 Scenario 2 : Indoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data			
Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.1**	**1.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	8.2	8.2

A 3.1.1.11.3 Scenario 3 : Indoor, dense, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2**	**2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*None*
	Head exposure	**0.005**	**0.005**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**102**	**102**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	32.1	32.1

A 3.1.1.11.4 Scenario 4 : Indoor, dense, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**102**	**102**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	36.1	36.1

A 3.1.1.12 Use 12 : Low vegetables

A 3.1.1.12.1 Scenario 1 : Indoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2**	**2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*None*
	Head exposure	**0.005**	**0.005**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.1**	**1.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	4.2	4.2

A 3.1.1.12.2 Scenario 2 : Indoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.1**	**1.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	8.2	8.2

A 3.1.1.12.3 Scenario 3 : Indoor, dense, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2**	**2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*None*
	Head exposure	**0.005**	**0.005**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**102**	**102**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	32.1	32.1

A 3.1.1.12.4 Scenario 4 : Indoor, dense, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low vegetables
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11**	**11**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**102**	**102**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	36.1	36.1

A 3.1.1.13 Use 13 : High vegetables

A 3.1.1.13.1 Scenario 1 : Indoor, normal, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2.3**	**2.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*None*
	Head exposure	**0.007**	**0.007**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**21.1**	**21.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.1**	**8.1**
	Head protection	*None*	*None*
	Head exposure	**2.5**	**2.5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.5**	**0.5**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	9.6	9.6

A 3.1.1.13.2 Scenario 2 : Indoor, normal, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**21.1**	**21.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.1**	**8.1**
	Head protection	*None*	*None*
	Head exposure	**2.5**	**2.5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.5**	**0.5**
Total	Total systemic exposure [mg/kg bw per day]	0.05	0.05
	% of AOEL	13.5	13.5

A 3.1.1.13.3 Scenario 3 : Indoor, normal, upward spraying, manual-trolley

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-trolley
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2.3**	**2.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*None*
	Head exposure	**0.007**	**0.007**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**7.8**	**7.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.2**	**1.2**
	Head protection	*None*	*None*
	Head exposure	**2.6**	**2.6**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.01	0.01
	% of AOEL	4	4

A 3.1.1.13.4 Scenario 4 : Indoor, dense, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**2.3**	**0.03**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*Faceshield*
	Head exposure	**0.007**	
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**31.2**	**0.6**
	Body protection	*Workwear*	*Rain suit protected body*
	Body exposure	**355**	
	Head protection	*None*	*None*
	Head exposure	**5**	**5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Total	Total systemic exposure [mg/kg bw per day]	0.4	0.006
	% of AOEL	109	1.7

A 3.1.1.13.5 Scenario 5 : Indoor, dense, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data			
Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**15.8**	**0.04**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*Faceshield*
	Head exposure	**0.009**	
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**31.2**	**0.6**
	Body protection	*Workwear*	*Rain suit protected body*
	Body exposure	**355**	
	Head protection	*None*	*None*
	Head exposure	**5**	**5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Total	Total systemic exposure [mg/kg bw per day]	0.4	0.007
	% of AOEL	113	1.9

A 3.1.1.14 Use 14 : High vegetables

A 3.1.1.14.1 Scenario 1 : Indoor, normal, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2.3**	**2.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*None*
	Head exposure	**0.007**	**0.007**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**21.1**	**21.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.1**	**8.1**
	Head protection	*None*	*None*
	Head exposure	**2.5**	**2.5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.5**	**0.5**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	9.6	9.6

A 3.1.1.14.2 Scenario 2 : Indoor, normal, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**21.1**	**21.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.1**	**8.1**
	Head protection	*None*	*None*
	Head exposure	**2.5**	**2.5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.5**	**0.5**
Total	Total systemic exposure [mg/kg bw per day]	0.05	0.05
	% of AOEL	13.5	13.5

A 3.1.1.14.3 Scenario 3 : Indoor, normal, upward spraying, manual-trolley

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-trolley
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2.3**	**2.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*None*
	Head exposure	**0.007**	**0.007**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**7.8**	**7.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.2**	**1.2**
	Head protection	*None*	*None*
	Head exposure	**2.6**	**2.6**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.01	0.01
	% of AOEL	4	4

A 3.1.1.14.4 Scenario 4 : Indoor, dense, upward spraying, manual-hand held

Chlorantraniliprole , Input Data			
Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**2.3**	**0.03**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*Faceshield*
	Head exposure	**0.007**	
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**31.2**	**0.6**
	Body protection	*Workwear*	*Rain suit protected body*
	Body exposure	**355**	
	Head protection	*None*	*None*
	Head exposure	**5**	**5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Total	Total systemic exposure [mg/kg bw per day]	0.4	0.006
	% of AOEL	109	1.7

A 3.1.1.14.5 Scenario 5 : Indoor, dense, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**15.8**	**0.04**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*Faceshield*
	Head exposure	**0.009**	
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**31.2**	**0.6**
	Body protection	*Workwear*	*Rain suit protected body*
	Body exposure	**355**	
	Head protection	*None*	*None*
	Head exposure	**5**	**5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Total	Total systemic exposure [mg/kg bw per day]	0.4	0.007
	% of AOEL	113	1.9

A 3.1.1.15 Use 15 : High vegetables

A 3.1.1.15.1 Scenario 1 : Indoor, normal, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2.3**	**2.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*None*
	Head exposure	**0.007**	**0.007**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**21.1**	**21.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.1**	**8.1**
	Head protection	*None*	*None*
	Head exposure	**2.5**	**2.5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.5**	**0.5**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	9.6	9.6

A 3.1.1.15.2 Scenario 2 : Indoor, normal, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**21.1**	**21.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.1**	**8.1**
	Head protection	*None*	*None*
	Head exposure	**2.5**	**2.5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.5**	**0.5**
Total	Total systemic exposure [mg/kg bw per day]	0.05	0.05
	% of AOEL	13.5	13.5

A 3.1.1.15.3 Scenario 3 : Indoor, normal, upward spraying, manual-trolley

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-trolley
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2.3**	**2.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*None*
	Head exposure	**0.007**	**0.007**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**7.8**	**7.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.2**	**1.2**
	Head protection	*None*	*None*
	Head exposure	**2.6**	**2.6**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.01	0.01
	% of AOEL	4	4

A 3.1.1.15.4 Scenario 4 : Indoor, dense, upward spraying, manual-hand held

Chlorantraniliprole , Input Data			
Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**2.3**	**0.03**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*Faceshield*
	Head exposure	**0.007**	
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**31.2**	**0.6**
	Body protection	*Workwear*	*Rain suit protected body*
	Body exposure	**355**	
	Head protection	*None*	*None*
	Head exposure	**5**	**5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Total	Total systemic exposure [mg/kg bw per day]	0.4	0.006
	% of AOEL	109	1.7

A 3.1.1.15.5 Scenario 5 : Indoor, dense, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High vegetables
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Indoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**15.8**	**0.04**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*Faceshield*
	Head exposure	**0.009**	
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**31.2**	**0.6**
	Body protection	*Workwear*	*Rain suit protected body*
	Body exposure	**355**	
	Head protection	*None*	*None*
	Head exposure	**5**	**5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Total	Total systemic exposure [mg/kg bw per day]	0.4	0.007
	% of AOEL	113	1.9

A 3.1.1.16 Use 16 : High ornamentals

A 3.1.1.16.1 Scenario 1 : Outdoor, normal, upward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High ornamentals
Area treated [ha/day]	10	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**14.4**	**14.4**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.09**	**0.09**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.06**	**0.06**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**22.8**	**22.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.1**	**1.1**
	Head protection	*None*	*None*
	Head exposure	**10.5**	**10.5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**1.1**	**1.1**
Total	Total systemic exposure [mg/kg bw per day]	0.05	0.05
	% of AOEL	13.9	13.9

A 3.1.1.16.2 Scenario 2 : Outdoor, normal, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High ornamentals
Area treated [ha/day]	4	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**8**	**8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.05**	**0.05**
	Head protection	*None*	*None*
	Head exposure	**0.05**	**0.05**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.04**	**0.04**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11.3**	**11.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**1**	**1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.7**	**0.7**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	8.2	8.2

A 3.1.1.16.3 Scenario 3 : Outdoor, normal, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High ornamentals
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**3.5**	**3.5**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**0.6**	**0.6**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.2**	**0.2**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	8.2	8.2

A 3.1.1.17 Use 17 : High ornamentals

A 3.1.1.17.1 Scenario 1 : Outdoor, normal, upward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High ornamentals
Area treated [ha/day]	10	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**14.4**	**14.4**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.09**	**0.09**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.06**	**0.06**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**22.8**	**22.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**1.1**	**1.1**
	Head protection	*None*	*None*
	Head exposure	**10.5**	**10.5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**1.1**	**1.1**
Total	Total systemic exposure [mg/kg bw per day]	0.05	0.05
	% of AOEL	13.9	13.9

A 3.1.1.17.2 Scenario 2 : Outdoor, normal, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High ornamentals
Area treated [ha/day]	4	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**8**	**8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.05**	**0.05**
	Head protection	*None*	*None*
	Head exposure	**0.05**	**0.05**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.04**	**0.04**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**11.3**	**11.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**1**	**1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.7**	**0.7**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	8.2	8.2

A 3.1.1.17.3 Scenario 3 : Outdoor, normal, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	High ornamentals
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**3.5**	**3.5**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**0.6**	**0.6**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.2**	**0.2**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	8.2	8.2

A 3.1.1.18 Use 18 : Viticulture

A 3.1.1.18.1 Scenario 1 : Outdoor, normal, upward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Viticulture
Area treated [ha/day]	10	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**9.1**	**9.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.06**	**0.06**
	Head protection	*None*	*None*
	Head exposure	**0.06**	**0.06**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.04**	**0.04**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.1**	**12.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.5**	**0.5**
	Head protection	*None*	*None*
	Head exposure	**5.2**	**5.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	7.7	7.7

A 3.1.1.18.2 Scenario 2 : Outdoor, normal, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Viticulture
Area treated [ha/day]	4	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**5.1**	**5.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.03**	**0.03**
	Head protection	*None*	*None*
	Head exposure	**0.02**	**0.02**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**6.2**	**6.2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**0.8**	**0.8**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	5.8	5.8

A 3.1.1.18.3 Scenario 3 : Outdoor, normal, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Viticulture
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**1.9**	**1.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**0.5**	**0.5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.1**	**0.1**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	7.6	7.6

A 3.1.1.19 Use 19 : Viticulture

A 3.1.1.19.1 Scenario 1 : Outdoor, normal, upward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Viticulture
Area treated [ha/day]	10	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**9.1**	**9.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.06**	**0.06**
	Head protection	*None*	*None*
	Head exposure	**0.06**	**0.06**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.04**	**0.04**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.1**	**12.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.5**	**0.5**
	Head protection	*None*	*None*
	Head exposure	**5.2**	**5.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.8**	**0.8**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	7.7	7.7

A 3.1.1.19.2 Scenario 2 : Outdoor, normal, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Viticulture
Area treated [ha/day]	4	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**5.1**	**5.1**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.03**	**0.03**
	Head protection	*None*	*None*
	Head exposure	**0.02**	**0.02**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**6.2**	**6.2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**0.8**	**0.8**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	5.8	5.8

A 3.1.1.19.3 Scenario 3 : Outdoor, normal, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Viticulture
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**1.9**	**1.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**0.5**	**0.5**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.1**	**0.1**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	7.6	7.6

A 3.1.1.20 Use 20 : Agricultural grassland

A 3.1.1.20.1 Scenario 1 : Outdoor, normal, downward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Agricultural grassland
Area treated [ha/day]	50	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**19.4**	**19.4**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.1**	**0.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.07**	**0.07**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2.2**	**2.2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.03**	**0.03**
	Head protection	*None*	*None*
	Head exposure	**0.06**	**0.06**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	6.1	6.1

A 3.1.1.21 Use 21 : Amenity grassland

A 3.1.1.21.1 Scenario 1 : Outdoor, normal, downward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Amenity grassland
Area treated [ha/day]	50	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**19.4**	**19.4**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.1**	**0.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.07**	**0.07**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2.2**	**2.2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.03**	**0.03**
	Head protection	*None*	*None*
	Head exposure	**0.06**	**0.06**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	6.1	6.1

A 3.1.1.21.2 Scenario 2 : Outdoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Amenity grassland
Area treated [ha/day]	4	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**3.8**	**3.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*None*
	Head exposure	**0.01**	**0.01**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.09	0.09
	% of AOEL	25.4	25.4

A 3.1.1.21.3 Scenario 3 : Outdoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Amenity grassland
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	28.9	28.9

A 3.1.1.22 Use 22 : Amenity grassland

A 3.1.1.22.1 Scenario 1 : Outdoor, normal, downward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Amenity grassland
Area treated [ha/day]	50	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**19.4**	**19.4**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.1**	**0.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.07**	**0.07**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**2.2**	**2.2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.03**	**0.03**
	Head protection	*None*	*None*
	Head exposure	**0.06**	**0.06**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	6.1	6.1

A 3.1.1.22.2 Scenario 2 : Outdoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Amenity grassland
Area treated [ha/day]	4	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**3.8**	**3.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*None*
	Head exposure	**0.01**	**0.01**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.09	0.09
	% of AOEL	25.4	25.4

A 3.1.1.22.3 Scenario 3 : Outdoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Amenity grassland
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	28.9	28.9

A 3.1.1.23 Use 23 : Orchards

A 3.1.1.23.1 Scenario 1 : Outdoor, normal, upward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	10	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**6.9**	**6.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.04**	**0.04**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.04**	**0.04**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**8.2**	**8.2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.3**	**0.3**
	Head protection	*None*	*None*
	Head exposure	**3.3**	**3.3**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	5.4	5.4

A 3.1.1.23.2 Scenario 2 : Outdoor, normal, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	4	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**3.8**	**3.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*None*
	Head exposure	**0.01**	**0.01**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**4.3**	**4.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**0.7**	**0.7**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.3**	**0.3**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	4.9	4.9

A 3.1.1.23.3 Scenario 3 : Outdoor, normal, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**1.3**	**1.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**0.4**	**0.4**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.08**	**0.08**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	7.5	7.5

A 3.1.1.23.4 Scenario 4 : Outdoor, dense, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**1.6**	**0.02**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*Fp2, p2 and similar*
	Head exposure	**0.004**	**0.003**
	Inhalation protection	*None*	*Fp2, p2 and similar*
	Inhalation exposure	**0.02**	**0.002**
Application (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**9.1**	**0.05**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**372**	**372**
	Head protection	*None*	*Fp2, p2 and similar*
	Head exposure	**5.3**	**4.2**
	Inhalation protection	*None*	*Fp2, p2 and similar*
	Inhalation exposure	**0.2**	**0.02**
Total	Total systemic exposure [mg/kg bw per day]	0.4	0.4
	% of AOEL	108	105

A 3.1.1.23.5 Scenario 5 : Outdoor, dense, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**15.8**	**0.04**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*Fp2, p2 and similar*
	Head exposure	**0.009**	**0.007**
	Inhalation protection	*None*	*Fp2, p2 and similar*
	Inhalation exposure	**0.6**	**0.06**
Application (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**9.1**	**0.05**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**372**	**372**
	Head protection	*None*	*Fp2, p2 and similar*
	Head exposure	**5.3**	**4.2**
	Inhalation protection	*None*	*Fp2, p2 and similar*
	Inhalation exposure	**0.2**	**0.02**
Total	Total systemic exposure [mg/kg bw per day]	0.4	0.4
	% of AOEL	112	105

A 3.1.1.24 Use 24 : Orchards

A 3.1.1.24.1 Scenario 1 : Outdoor, normal, upward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	10	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**6.9**	**6.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.04**	**0.04**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.04**	**0.04**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**8.2**	**8.2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.3**	**0.3**
	Head protection	*None*	*None*
	Head exposure	**3.3**	**3.3**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	5.4	5.4

A 3.1.1.24.2 Scenario 2 : Outdoor, normal, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	4	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**3.8**	**3.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*None*
	Head exposure	**0.01**	**0.01**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**4.3**	**4.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**0.7**	**0.7**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.3**	**0.3**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	4.9	4.9

A 3.1.1.24.3 Scenario 3 : Outdoor, normal, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**1.3**	**1.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**0.4**	**0.4**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.08**	**0.08**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	7.5	7.5

A 3.1.1.24.4 Scenario 4 : Outdoor, dense, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**1.6**	**0.02**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*Fp2, p2 and similar*
	Head exposure	**0.004**	**0.003**
	Inhalation protection	*None*	*Fp2, p2 and similar*
	Inhalation exposure	**0.02**	**0.002**
Application (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**9.1**	**0.05**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**372**	**372**
	Head protection	*None*	*Fp2, p2 and similar*
	Head exposure	**5.3**	**4.2**
	Inhalation protection	*None*	*Fp2, p2 and similar*
	Inhalation exposure	**0.2**	**0.02**
Total	Total systemic exposure [mg/kg bw per day]	0.4	0.4
	% of AOEL	108	105

A 3.1.1.24.5 Scenario 5 : Outdoor, dense, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**15.8**	**0.04**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*Fp2, p2 and similar*
	Head exposure	**0.009**	**0.007**
	Inhalation protection	*None*	*Fp2, p2 and similar*
	Inhalation exposure	**0.6**	**0.06**
Application (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**9.1**	**0.05**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**372**	**372**
	Head protection	*None*	*Fp2, p2 and similar*
	Head exposure	**5.3**	**4.2**
	Inhalation protection	*None*	*Fp2, p2 and similar*
	Inhalation exposure	**0.2**	**0.02**
Total	Total systemic exposure [mg/kg bw per day]	0.4	0.4
	% of AOEL	112	105

A 3.1.1.25 Use 25 : Orchards

A 3.1.1.25.1 Scenario 1 : Outdoor, normal, upward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	10	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**6.9**	**6.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.04**	**0.04**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.04**	**0.04**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**8.2**	**8.2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.3**	**0.3**
	Head protection	*None*	*None*
	Head exposure	**3.3**	**3.3**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	5.4	5.4

A 3.1.1.25.2 Scenario 2 : Outdoor, normal, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	4	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**3.8**	**3.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.02**	**0.02**
	Head protection	*None*	*None*
	Head exposure	**0.01**	**0.01**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.03**	**0.03**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**4.3**	**4.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**0.7**	**0.7**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.3**	**0.3**
Total	Total systemic exposure [mg/kg bw per day]	0.02	0.02
	% of AOEL	4.9	4.9

A 3.1.1.25.3 Scenario 3 : Outdoor, normal, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**1.3**	**1.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**8.5**	**8.5**
	Head protection	*None*	*None*
	Head exposure	**0.4**	**0.4**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.08**	**0.08**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	7.5	7.5

A 3.1.1.25.4 Scenario 4 : Outdoor, dense, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**1.6**	**0.02**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.01**	**0.01**
	Head protection	*None*	*Fp2, p2 and similar*
	Head exposure	**0.004**	**0.003**
	Inhalation protection	*None*	*Fp2, p2 and similar*
	Inhalation exposure	**0.02**	**0.002**
Application (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**9.1**	**0.05**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**372**	**372**
	Head protection	*None*	*Fp2, p2 and similar*
	Head exposure	**5.3**	**4.2**
	Inhalation protection	*None*	*Fp2, p2 and similar*
	Inhalation exposure	**0.2**	**0.02**
Total	Total systemic exposure [mg/kg bw per day]	0.4	0.4
	% of AOEL	108	105

A 3.1.1.25.5 Scenario 5 : Outdoor, dense, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**15.8**	**0.04**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*Fp2, p2 and similar*
	Head exposure	**0.009**	**0.007**
	Inhalation protection	*None*	*Fp2, p2 and similar*
	Inhalation exposure	**0.6**	**0.06**
Application (µg/kg bw per day)	*Hand protection*	*None*	*Protected hands*
	Hands exposure	**9.1**	**0.05**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**372**	**372**
	Head protection	*None*	*Fp2, p2 and similar*
	Head exposure	**5.3**	**4.2**
	Inhalation protection	*None*	*Fp2, p2 and similar*
	Inhalation exposure	**0.2**	**0.02**
Total	Total systemic exposure [mg/kg bw per day]	0.4	0.4
	% of AOEL	112	105

A 3.1.1.26 Use 26 : Low ornamentals

A 3.1.1.26.1 Scenario 1 : Outdoor, normal, downward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low ornamentals
Area treated [ha/day]	50	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**40.3**	**40.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.2**	**0.2**
	Head protection	*None*	*None*
	Head exposure	**0.6**	**0.6**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.1**	**0.1**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**6.8**	**6.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.1**	**0.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.04**	**0.04**
Total	Total systemic exposure [mg/kg bw per day]	0.05	0.05
	% of AOEL	13.4	13.4

A 3.1.1.26.2 Scenario 2 : Outdoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data			
Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low ornamentals
Area treated [ha/day]	4	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**8**	**8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.05**	**0.05**
	Head protection	*None*	*None*
	Head exposure	**0.05**	**0.05**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.04**	**0.04**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	26.6	26.6

A 3.1.1.26.3 Scenario 3 : Outdoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low ornamentals
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	28.9	28.9

A 3.1.1.27 Use 27 : Low ornamentals

A 3.1.1.27.1 Scenario 1 : Outdoor, normal, downward spraying, vehicle-mounted

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low ornamentals
Area treated [ha/day]	50	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Vehicle-mounted
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**40.3**	**40.3**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.2**	**0.2**
	Head protection	*None*	*None*
	Head exposure	**0.6**	**0.6**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.1**	**0.1**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**6.8**	**6.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.1**	**0.1**
	Head protection	*None*	*None*
	Head exposure	**0.2**	**0.2**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.04**	**0.04**
Total	Total systemic exposure [mg/kg bw per day]	0.05	0.05
	% of AOEL	13.4	13.4

A 3.1.1.27.2 Scenario 2 : Outdoor, normal, downward spraying, manual-hand held

Chlorantraniliprole , Input Data			
Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low ornamentals
Area treated [ha/day]	4	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**8**	**8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.05**	**0.05**
	Head protection	*None*	*None*
	Head exposure	**0.05**	**0.05**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.04**	**0.04**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	26.6	26.6

A 3.1.1.27.3 Scenario 3 : Outdoor, normal, downward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Low ornamentals
Area treated [ha/day]	1	**Application method**	Downward spraying
Dermal absorption [%] (concentrate)	10	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	50	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Normal
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**15.8**	**15.8**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.04**	**0.04**
	Head protection	*None*	*None*
	Head exposure	**0.009**	**0.009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**12.9**	**12.9**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**74.2**	**74.2**
	Head protection	*None*	*None*
	Head exposure	**0.1**	**0.1**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.4**	**0.4**
Total	Total systemic exposure [mg/kg bw per day]	0.1	0.1
	% of AOEL	28.9	28.9

A 3.1.2 Calculations for Chlorantraniliprole for dermal absorption from EU level and Coragen 200 SC only for dense type cultivation in Orchards

A 3.1.2.1 Use 1 : Orchards

A 3.1.2.1.1 Scenario 1 : Outdoor, dense, upward spraying, manual-hand held

Chlorantraniliprole , Input Data			
Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	1	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	4	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**0.2**	**0.2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.001**	**0.001**
	Head protection	*None*	*None*
	Head exposure	**0.0004**	**0.0004**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**0.7**	**0.7**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**29.8**	**29.8**
	Head protection	*None*	*None*
	Head exposure	**0.4**	**0.4**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.2**	**0.2**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	8.7	8.7

A 3.1.2.1.2 Scenario 2 : Outdoor, dense, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	1	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	4	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**1.6**	**1.6**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.004**	**0.004**
	Head protection	*None*	*None*
	Head exposure	**0.0009**	**0.0009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**0.7**	**0.7**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**29.8**	**29.8**
	Head protection	*None*	*None*
	Head exposure	**0.4**	**0.4**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.2**	**0.2**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	9.2	9.2

A 3.1.2.2 Use 2 : Orchards

A 3.1.2.2.1 Scenario 1 : Outdoor, dense, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	1	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	4	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**0.2**	**0.2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.001**	**0.001**
	Head protection	*None*	*None*
	Head exposure	**0.0004**	**0.0004**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**0.7**	**0.7**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**29.8**	**29.8**
	Head protection	*None*	*None*
	Head exposure	**0.4**	**0.4**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.2**	**0.2**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	8.7	8.7

A 3.1.2.2.2 Scenario 2 : Outdoor, dense, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	1	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	4	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**1.6**	**1.6**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.004**	**0.004**
	Head protection	*None*	*None*
	Head exposure	**0.0009**	**0.0009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**0.7**	**0.7**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**29.8**	**29.8**
	Head protection	*None*	*None*
	Head exposure	**0.4**	**0.4**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.2**	**0.2**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	9.2	9.2

A 3.1.2.3 Use 3 : Orchards

A 3.1.2.3.1 Scenario 1 : Outdoor, dense, upward spraying, manual-hand held

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	1	**Application technique**	Manual-hand held
Dermal absorption [%] (dilution)	4	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**0.2**	**0.2**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.001**	**0.001**
	Head protection	*None*	*None*
	Head exposure	**0.0004**	**0.0004**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.02**	**0.02**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**0.7**	**0.7**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**29.8**	**29.8**
	Head protection	*None*	*None*
	Head exposure	**0.4**	**0.4**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.2**	**0.2**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	8.7	8.7

A 3.1.2.3.2 Scenario 2 : Outdoor, dense, upward spraying, manual-knapsack

Chlorantraniliprole , Input Data

Formulation type	Soluble concentrates, emulsifiable concentrate, etc.	**Name of active substance**	Chlorantraniliprole
Concentration of active substance [g a.s./l or kg]	200	**Crops**	Orchards
Area treated [ha/day]	1	**Application method**	Upward spraying
Dermal absorption [%] (concentrate)	1	**Application technique**	Manual-knapsack
Dermal absorption [%] (dilution)	4	**Indoor/outdoor**	Outdoor
Oral absorption [%]	100	**Drift reduction [%]**	0
Inhalation absorption [%]	100	**Type of cultivation**	Dense
Body weight (kg)	60		
AOEL [mg/kg bw/day]	0.36		
AAOEL [mg/kg bw]			

Chlorantraniliprole , Per body part - Short term exposure

Activity	Systemic exposure per body part	With workwear	With workwear + PPE/RPE
Mixing and loading (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**1.6**	**1.6**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**0.004**	**0.004**
	Head protection	*None*	*None*
	Head exposure	**0.0009**	**0.0009**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.6**	**0.6**
Application (µg/kg bw per day)	*Hand protection*	*None*	*None*
	Hands exposure	**0.7**	**0.7**
	Body protection	*Workwear*	*Workwear*
	Body exposure	**29.8**	**29.8**
	Head protection	*None*	*None*
	Head exposure	**0.4**	**0.4**
	Inhalation protection	*None*	*None*
	Inhalation exposure	**0.2**	**0.2**
Total	Total systemic exposure [mg/kg bw per day]	0.03	0.03
	% of AOEL	9.2	9.2

A 3.2 Worker exposure calculations (KCP 7.2.3.1)

A 3.2.1 Calculations for chlorantraniliprole

A 3.2.1.1 Field crops

A 3.2.1.1.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Inspection, irrigation	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	Field crops	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	1400
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Vehicle-mounted	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.2	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	14		
Multiple application factor	1.72		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	2		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	2.6	0.3	0.3	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	2.6	0.3	0.3	NA
	Total systemic exposure [mg/kg bw per day]	0.04	0.005	0.004	NA
	% of AOEL	11.9	1.3	1.2	NA

A 3.2.1.2 : Field crops

A 3.2.1.2.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Hand harvesting (Only sweet corn)	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	
Crops	Field crops	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	23000
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	
Application technique	Vehicle-mounted	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.2	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	14		
Multiple application factor	1.72		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	NA	19	NA	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]	NA		NA	NA
Total	Total systemic exposure [mg a.s. per day]	NA	19	NA	NA
	Total systemic exposure [mg/kg bw per day]	NA	0.3	NA	NA
	% of AOEL	NA	87.9	NA	NA

A 3.2.1.3 : Low vegetables

A 3.2.1.3.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Reaching, picking (all except Brassica)	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	5800
Crops	Low vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	2500
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	580
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.25	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7	**Inhalation task specific factor [ha/h*10^-3]**	0.1
Multiple application factor	1.85		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	6.4	2.8	0.6	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	6.4	2.8	0.6	NA
	Total systemic exposure [mg/kg bw per day]	0.1	0.05	0.01	NA
	% of AOEL	29.8	12.8	3	NA

A 3.2.1.4 : Low vegetables

A 3.2.1.4.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Inspection, irrigation (All)	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	Low vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	1400
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.25	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7	**Inhalation task specific factor [ha/h*10^-3]**	0.01
Multiple application factor	1.85		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	2		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	3.5	0.4	0.3	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	3.5	0.4	0.3	NA
	Total systemic exposure [mg/kg bw per day]	0.06	0.006	0.006	NA
	% of AOEL	16.1	1.8	1.6	NA

A 3.2.1.5 : Low vegetables

A 3.2.1.5.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	removing bolting sugar beets	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	18600
Crops	Low vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	4400
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	430
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	14300
Max. application rate of the product [l or kg/ha]	0.25	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7		
Multiple application factor	1.85		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	20.6	4.9	0.5	15.9
Inhalation	Systemic inhalation exposure [mg a.s. per day]				
Total	Total systemic exposure [mg a.s. per day]	20.6	4.9	0.5	15.9
	Total systemic exposure [mg/kg bw per day]	0.3	0.08	0.008	0.3
	% of AOEL	95.6	22.6	2.2	73.5

A 3.2.1.6 : Low vegetables

A 3.2.1.6.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Harvest (Brassica only)	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	
Crops	Low vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	5000
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.25	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7	**Inhalation task specific factor [ha/h*10^-3]**	0.1
Multiple application factor	1.85		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	NA	5.6	NA	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]	NA		NA	NA
Total	Total systemic exposure [mg a.s. per day]	NA	5.6	NA	NA
	Total systemic exposure [mg/kg bw per day]	NA	0.09	NA	NA
	% of AOEL	NA	25.7	NA	NA

A 3.2.1.7 : Low vegetables

A 3.2.1.7.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Maintenance (Brassica only)	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	
Crops	Low vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	5000
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.25	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7	**Inhalation task specific factor [ha/h*10^-3]**	0.01
Multiple application factor	1.85		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	NA	5.6	NA	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]	NA		NA	NA
Total	Total systemic exposure [mg a.s. per day]	NA	5.6	NA	NA
	Total systemic exposure [mg/kg bw per day]	NA	0.09	NA	NA
	% of AOEL	NA	25.7	NA	NA

A 3.2.1.8 : Low vegetables

A 3.2.1.8.1 Scenario 1 : Indoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Indoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Reaching, picking (all except Brassica)	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	5800
Crops	Low vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	2500
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	580
Application technique	Manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.25	**Vapour pressure [Pa]**	6.3e-12
Max. no. of applications	2	**Air concentration [mg/m³]**	1.24797645e-09
Interval between multiple applications [days]	7	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Multiple application factor	1.85	**DT50 foliar worker [days]**	30
Body weight (kg)	60	**Inhalation task specific factor [ha/h*10^-3]**	0.1
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	6.4	2.8	0.6	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]	0.04	0.04	0.04	NA
Total	Total systemic exposure [mg a.s. per day]	6.5	2.8	0.7	NA
	Total systemic exposure [mg/kg bw per day]	0.1	0.05	0.01	NA
	% of AOEL	30	13	3.2	NA

A 3.2.1.9 : Low vegetables

A 3.2.1.9.1 Scenario 1 : Indoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Indoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Inspection, irrigation (All)	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	Low vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	1400
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.25	**Vapour pressure [Pa]**	6.3e-12
Max. no. of applications	2	**Air concentration [mg/m³]**	1.24797645e-09
Interval between multiple applications [days]	7	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Multiple application factor	1.85	**DT50 foliar worker [days]**	30
Body weight (kg)	60	**Inhalation task specific factor [ha/h*10^-3]**	0.01
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	13.9	1.6	1.4	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]	0.004	0.004	0.004	NA
Total	Total systemic exposure [mg a.s. per day]	13.9	1.6	1.4	NA
	Total systemic exposure [mg/kg bw per day]	0.2	0.03	0.02	NA
	% of AOEL	64.3	7.2	6.4	NA

A 3.2.1.10 : Low vegetables

A 3.2.1.10.1 Scenario 1 : Indoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Indoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Inspection, irrigation (All)	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	Low vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	1400
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.25	**Vapour pressure [Pa]**	6.3e-12
Max. no. of applications	2	**Air concentration [mg/m³]**	1.24797645e-09
Interval between multiple applications [days]	7	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Multiple application factor	1.85	**DT50 foliar worker [days]**	30
Body weight (kg)	60	**Inhalation task specific factor [ha/h*10^-3]**	0.01
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	2		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	3.5	0.4	0.3	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]	0.001	0.001	0.001	NA
Total	Total systemic exposure [mg a.s. per day]	3.5	0.4	0.3	NA
	Total systemic exposure [mg/kg bw per day]	0.06	0.006	0.006	NA
	% of AOEL	16.1	1.8	1.6	NA

A 3.2.1.11 : Low vegetables

A 3.2.1.11.1 Scenario 1 : Indoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Indoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Harvest (Brassica only)	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	
Crops	Low vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	5000
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	
Application technique	Manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.25	**Vapour pressure [Pa]**	6.3e-12
Max. no. of applications	2	**Air concentration [mg/m³]**	1.24797645e-09
Interval between multiple applications [days]	7	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Multiple application factor	1.85	**DT50 foliar worker [days]**	30
Body weight (kg)	60	**Inhalation task specific factor [ha/h*10^-3]**	0.1
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	NA	5.6	NA	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]	NA	0.04	NA	NA
Total	Total systemic exposure [mg a.s. per day]	NA	5.6	NA	NA
	Total systemic exposure [mg/kg bw per day]	NA	0.09	NA	NA
	% of AOEL	NA	25.9	NA	NA

A 3.2.1.12 : Low vegetables

A 3.2.1.12.1 Scenario 1 : Indoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Indoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Maintenance (Brassica only)	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	
Crops	Low vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	5000
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	
Application technique	Manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.25	**Vapour pressure [Pa]**	6.3e-12
Max. no. of applications	2	**Air concentration [mg/m³]**	1.24797645e-09
Interval between multiple applications [days]	7	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Multiple application factor	1.85	**DT50 foliar worker [days]**	30
Body weight (kg)	60	**Inhalation task specific factor [ha/h*10^-3]**	0.01
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	NA	5.6	NA	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]	NA	0.004	NA	NA
Total	Total systemic exposure [mg a.s. per day]	NA	5.6	NA	NA
	Total systemic exposure [mg/kg bw per day]	NA	0.09	NA	NA
	% of AOEL	NA	25.7	NA	NA

A 3.2.1.13 : High vegetables

A 3.2.1.13.1 Scenario 1 : Indoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Indoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Reaching, picking	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	5800
Crops	High vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	2500
Application method	Upward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	580
Application technique	Manual-hand held; manual-knapsack; manual-trolley	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.315	**Vapour pressure [Pa]**	6.3e-12
Max. no. of applications	2	**Air concentration [mg/m³]**	1.24797645e-09
Interval between multiple applications [days]	7	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Multiple application factor	1.85	**DT50 foliar worker [days]**	30
Body weight (kg)	60	**Inhalation task specific factor [ha/h*10^-3]**	0.1
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	8.1	3.5	0.8	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]	0.05	0.05	0.05	NA
Total	Total systemic exposure [mg a.s. per day]	8.2	3.5	0.9	NA
	Total systemic exposure [mg/kg bw per day]	0.1	0.06	0.01	NA
	% of AOEL	37.8	16.4	4	NA

A 3.2.1.14 : High vegetables

A 3.2.1.14.1 Scenario 1 : Indoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Indoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Inspection, irrigation	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	High vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	1400
Application method	Upward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Manual-hand held; manual-knapsack; manual-trolley	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.315	**Vapour pressure [Pa]**	6.3e-12
Max. no. of applications	2	**Air concentration [mg/m³]**	1.24797645e-09
Interval between multiple applications [days]	7	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Multiple application factor	1.85	**DT50 foliar worker [days]**	30
Body weight (kg)	60	**Inhalation task specific factor [ha/h*10^-3]**	0.01
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	17.5	2	1.7	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]	0.005	0.005	0.005	NA
Total	Total systemic exposure [mg a.s. per day]	17.5	2	1.8	NA
	Total systemic exposure [mg/kg bw per day]	0.3	0.03	0.03	NA
	% of AOEL	81	9.1	8.1	NA

A 3.2.1.15 : High vegetables

A 3.2.1.15.1 Scenario 1 : Indoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Indoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Inspection, irrigation	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	High vegetables	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	1400
Application method	Upward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Manual-hand held; manual-knapsack; manual-trolley	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.315	**Vapour pressure [Pa]**	6.3e-12
Max. no. of applications	2	**Air concentration [mg/m³]**	1.24797645e-09
Interval between multiple applications [days]	7	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Multiple application factor	1.85	**DT50 foliar worker [days]**	30
Body weight (kg)	60	**Inhalation task specific factor [ha/h*10^-3]**	0.01
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	2		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	4.4	0.5	0.4	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]	0.001	0.001	0.001	NA
Total	Total systemic exposure [mg a.s. per day]	4.4	0.5	0.4	NA
	Total systemic exposure [mg/kg bw per day]	0.07	0.008	0.007	NA
	% of AOEL	20.2	2.3	2	NA

A 3.2.1.16 : High ornamentals

A 3.2.1.16.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Cutting, sorting, bundling, carrying	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	14000
Crops	High ornamentals	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	5000
Application method	Upward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1400
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.55	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7	**Inhalation task specific factor [ha/h*10^-3]**	0.1
Multiple application factor	1.85		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	34.2	12.2	3.4	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	34.2	12.2	3.4	NA
	Total systemic exposure [mg/kg bw per day]	0.6	0.2	0.06	NA
	% of AOEL	158	56.5	15.8	NA

A 3.2.1.17 : High ornamentals

A 3.2.1.17.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Inspection, irrigation	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	High ornamentals	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	1400
Application method	Upward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.55	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7	**Inhalation task specific factor [ha/h*10^-3]**	0.01
Multiple application factor	1.85		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	2		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	7.6	0.9	0.8	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	7.6	0.9	0.8	NA
	Total systemic exposure [mg/kg bw per day]	0.1	0.01	0.01	NA
	% of AOEL	35.3	4	3.5	NA

A 3.2.1.18 : Viticulture

A 3.2.1.18.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Hand harvesting	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	30000
Crops	Viticulture	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	10100
Application method	Upward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.27	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	1	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7		
Multiple application factor	1		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	19.4	6.5	NA	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]			NA	NA
Total	Total systemic exposure [mg a.s. per day]	19.4	6.5	NA	NA
	Total systemic exposure [mg/kg bw per day]	0.3	0.1	NA	NA
	% of AOEL	90	30.3	NA	NA

A 3.2.1.19 : Viticulture

A 3.2.1.19.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Inspection, irrigation	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	Viticulture	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	1400
Application method	Upward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.27	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	1	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7		
Multiple application factor	1		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	2		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	2	0.2	0.2	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	2	0.2	0.2	NA
	Total systemic exposure [mg/kg bw per day]	0.03	0.004	0.003	NA
	% of AOEL	9.4	1.1	0.9	NA

A 3.2.1.20 : Agricultural grassland

A 3.2.1.20.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Inspection, irrigation	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	Agricultural grassland	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	1400
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Vehicle-mounted	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.175	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	1	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7		
Multiple application factor	1		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	2		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	1.3	0.1	0.1	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	1.3	0.1	0.1	NA
	Total systemic exposure [mg/kg bw per day]	0.02	0.002	0.002	NA
	% of AOEL	6.1	0.7	0.6	NA

A 3.2.1.21 : Amenity grassland

A 3.2.1.21.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Turf harvesting, cutting and handling	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	
Crops	Amenity grassland	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	8800
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.175	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	1	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7		
Multiple application factor	1		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	NA	0.6	NA	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]	NA		NA	NA
Total	Total systemic exposure [mg a.s. per day]	NA	0.6	NA	NA
	Total systemic exposure [mg/kg bw per day]	NA	0.01	NA	NA
	% of AOEL	NA	2.9	NA	NA

A 3.2.1.22 : Amenity grassland

A 3.2.1.22.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Inspection, irrigation	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	Amenity grassland	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	1400
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.175	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	1	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7		
Multiple application factor	1		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	2		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	1.3	0.1	0.1	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	1.3	0.1	0.1	NA
	Total systemic exposure [mg/kg bw per day]	0.02	0.002	0.002	NA
	% of AOEL	6.1	0.7	0.6	NA

A 3.2.1.23 : Orchards

A 3.2.1.23.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Maintenance/thinning	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	22500
Crops	Orchards	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	4500
Application method	Upward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	2250
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.175	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	14		
Multiple application factor	1.72		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	16.3	3.3	1.6	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	16.3	3.3	1.6	NA
	Total systemic exposure [mg/kg bw per day]	0.3	0.05	0.03	NA
	% of AOEL	75.3	15.1	7.5	NA

A 3.2.1.24 : Orchards

A 3.2.1.24.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Inspection, irrigation	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	Orchards	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	1400
Application method	Upward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.175	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	14		
Multiple application factor	1.72		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	2		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	2.3	0.3	0.2	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	2.3	0.3	0.2	NA
	Total systemic exposure [mg/kg bw per day]	0.04	0.004	0.004	NA
	% of AOEL	10.5	1.2	1	NA

A 3.2.1.25 : Orchards

A 3.2.1.25.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Searching, reaching, picking	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	Orchards	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	3500
Application method	Upward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.175	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	14		
Multiple application factor	1.72		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	9	2.5	0.9	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	9	2.5	0.9	NA
	Total systemic exposure [mg/kg bw per day]	0.2	0.04	0.02	NA
	% of AOEL	41.8	11.7	4.2	NA

A 3.2.1.26 : Low ornamentals

A 3.2.1.26.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Cutting, sorting, bundling, carrying	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	14000
Crops	Low ornamentals	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	5000
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1400
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.55	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7	**Inhalation task specific factor [ha/h*10^-3]**	0.1
Multiple application factor	1.85		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	8		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Poten-tial	Work-wear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	34.2	12.2	3.4	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	34.2	12.2	3.4	NA
	Total systemic exposure [mg/kg bw per day]	0.6	0.2	0.06	NA
	% of AOEL	158	56.5	15.8	NA

A 3.2.1.27 : Low ornamentals

A 3.2.1.27.1 Scenario 1 : Outdoor, normal

Chlorantraniliprole , Input data

Indoor/outdoor	Outdoor	**AOEL [mg/kg bw/day]**	0.36
Re-entry activity	Inspection, irrigation	**Dermal transfer coefficient - Total potential exposure [cm²/h]**	12500
Crops	Low ornamentals	**Dermal transfer coefficient - Arm, body and legs covered [cm²/h]**	1400
Application method	Downward spraying	**Dermal transfer coefficient - Hands, arm, body and legs covered [cm²/h]**	1250
Application technique	Vehicle-mounted; manual-hand held; manual-knapsack	**Dermal transfer coefficient - Hands covered, no workwear [cm²/h]**	
Max. application rate of the product [l or kg/ha]	0.55	**DFR refined worker [µg/cm² foliage per kg a.s./ha]**	3
Max. no. of applications	2	**DT50 foliar worker [days]**	30
Interval between multiple applications [days]	7	**Inhalation task specific factor [ha/h*10^-3]**	0.01
Multiple application factor	1.85		
Body weight (kg)	60		
Name of active substance	Chlorantraniliprole		
Dermal absorption [%] (dilution)	50		
Inhalation absorption [%]	100		
Time [hours per day]	2		

Chlorantraniliprole , Exposure per body part

Exposure route	Description	Potential	Workwear	Workwear and gloves	Gloves
Dermal	Systemic dermal exposure [mg a.s. per day]	7.6	0.9	0.8	NA
Inhalation	Systemic inhalation exposure [mg a.s. per day]				NA
Total	Total systemic exposure [mg a.s. per day]	7.6	0.9	0.8	NA
	Total systemic exposure [mg/kg bw per day]	0.1	0.01	0.01	NA
	% of AOEL	35.3	4	3.5	NA

A 3.3 Bystander and resident exposure calculations (KCP 7.2.2.1)

A 3.3.1 Calculations for chlorantraniliprole

A 3.3.1.1 Use 1 : Field crops

A 3.3.1.1.1 Scenario 1 : Outdoor, season not relevant

	Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
				Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 14 days Minimum volume of water: 200 l
Chlorantraniliprole				Number of applications and application rate: 2 x 0.04 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg		Drift (75th perc.)	0.003	0.8
		Vapour (75th perc.)	1e-09	3e-07
		Deposits (75th perc.)	0.0006	0.2
		Re-entry (75th perc.)	0.006	1.6
		Sum (mean)	0.007	1.8
Resident adult Body weight: 60 kg		Drift (75th perc.)	0.0006	0.2
		Vapour (75th perc.)	3e-10	9e-08
		Deposits (75th perc.)	0.0002	0.07

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
	Re-entry (75th perc.)	0.003	0.9
	Sum (mean)	0.003	0.8

A 3.3.1.2 Use 2 : Field crops

A 3.3.1.2.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 14 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.04 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.8
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0006	0.2
	Re-entry (75th perc.)	0.006	1.6
	Sum (mean)	0.007	1.8
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0006	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0002	0.07
	Re-entry (75th perc.)	0.003	0.9
	Sum (mean)	0.003	0.8

A 3.3.1.3 Use 3 : Low vegetables

A 3.3.1.3.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.9
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0007	0.2
	Re-entry (75th perc.)	0.008	2.2
	Sum (mean)	0.009	2.4
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0008	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0003	0.09
	Re-entry (75th perc.)	0.004	1.2
	Sum (mean)	0.004	1.1

A 3.3.1.4 Use 4 : Low vegetables

A 3.3.1.4.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.9
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0007	0.2
	Re-entry (75th perc.)	0.008	2.2
	Sum (mean)	0.009	2.4

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0008	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0003	0.09
	Re-entry (75th perc.)	0.004	1.2
	Sum (mean)	0.004	1.1

A 3.3.1.5 Use 5 : Low vegetables

A 3.3.1.5.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.9
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0007	0.2
	Re-entry (75th perc.)	0.008	2.2
	Sum (mean)	0.009	2.4
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0008	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0003	0.09
	Re-entry (75th perc.)	0.004	1.2
	Sum (mean)	0.004	1.1

A 3.3.1.6 Use 6 : Low vegetables

A 3.3.1.6.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.9
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0007	0.2
	Re-entry (75th perc.)	0.008	2.2
	Sum (mean)	0.009	2.4
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0008	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0003	0.09
	Re-entry (75th perc.)	0.004	1.2
	Sum (mean)	0.004	1.1

A 3.3.1.7 Use 7 : Low vegetables

A 3.3.1.7.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.9
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0007	0.2
	Re-entry (75th perc.)	0.008	2.2
	Sum (mean)	0.009	2.4

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0008	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0003	0.09
	Re-entry (75th perc.)	0.004	1.2
	Sum (mean)	0.004	1.1

A 3.3.1.8 Use 8 : Low vegetables

A 3.3.1.8.1 Scenario 1 : Indoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.9
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0007	0.2
	Re-entry (75th perc.)		
	Sum (mean)	0.002	0.7
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0008	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0003	0.09
	Re-entry (75th perc.)		
	Sum (mean)	0.0006	0.2

A 3.3.1.9 Use 9 : Low vegetables

A 3.3.1.9.1 Scenario 1 : Indoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.9
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0007	0.2
	Re-entry (75th perc.)		
	Sum (mean)	0.002	0.7
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0008	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0003	0.09
	Re-entry (75th perc.)		
	Sum (mean)	0.0006	0.2

A 3.3.1.10 Use 10 : Low vegetables

A 3.3.1.10.1 Scenario 1 : Indoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.9
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0007	0.2
	Re-entry (75th perc.)		
	Sum (mean)	0.002	0.7

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0008	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0003	0.09
	Re-entry (75th perc.)		
	Sum (mean)	0.0006	0.2

A 3.3.1.11 Use 11 : Low vegetables

A 3.3.1.11.1 Scenario 1 : Indoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.9
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0007	0.2
	Re-entry (75th perc.)		
	Sum (mean)	0.002	0.7
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0008	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0003	0.09
	Re-entry (75th perc.)		
	Sum (mean)	0.0006	0.2

A 3.3.1.12 Use 12 : Low vegetables

A 3.3.1.12.1 Scenario 1 : Indoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.05 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.003	0.9
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0007	0.2
	Re-entry (75th perc.)		
	Sum (mean)	0.002	0.7
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0008	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0003	0.09
	Re-entry (75th perc.)		
	Sum (mean)	0.0006	0.2

A 3.3.1.13 Use 13 : High vegetables

A 3.3.1.13.1 Scenario 1 : Indoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.063 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.02	6.1
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0005	0.1
	Re-entry (75th perc.)		
	Sum (mean)	0.01	4.1

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.01	3.4
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0002	0.06
	Re-entry (75th perc.)		
	Sum (mean)	0.008	2.2

A 3.3.1.14 Use 14 : High vegetables

A 3.3.1.14.1 Scenario 1 : Indoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.063 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.02	6.1
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0005	0.1
	Re-entry (75th perc.)		
	Sum (mean)	0.01	4.1
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.01	3.4
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0002	0.06
	Re-entry (75th perc.)		
	Sum (mean)	0.008	2.2

A 3.3.1.15 Use 15 : High vegetables

A 3.3.1.15.1 Scenario 1 : Indoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.063 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.02	6.1
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0005	0.1
	Re-entry (75th perc.)		
	Sum (mean)	0.01	4.1
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.01	3.4
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0002	0.06
	Re-entry (75th perc.)		
	Sum (mean)	0.008	2.2

A 3.3.1.16 Use 16 : High ornamentals

A 3.3.1.16.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.11 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.04	10.6
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0009	0.3
	Re-entry (75th perc.)	0.02	4.8
	Sum (mean)	0.04	11

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.02	5.9
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0004	0.1
	Re-entry (75th perc.)	0.01	2.6
	Sum (mean)	0.02	6

A 3.3.1.17 Use 17 : High ornamentals

A 3.3.1.17.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.11 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.04	10.6
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0009	0.3
	Re-entry (75th perc.)	0.02	4.8
	Sum (mean)	0.04	11
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.02	5.9
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0004	0.1
	Re-entry (75th perc.)	0.01	2.6
	Sum (mean)	0.02	6

A 3.3.1.18 Use 18 : Viticulture

A 3.3.1.18.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 700 l
Chlorantraniliprole			Number of applications and application rate: 1 x 0.054 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.005	1.5
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0002	0.07
	Re-entry (75th perc.)	0.005	1.3
	Sum (mean)	0.007	2
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.003	0.8
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0001	0.03
	Re-entry (75th perc.)	0.003	0.7
	Sum (mean)	0.004	1.1

A 3.3.1.19 Use 19 : Viticulture

A 3.3.1.19.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 700 l
Chlorantraniliprole			Number of applications and application rate: 1 x 0.054 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.005	1.5
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0002	0.07
	Re-entry (75th perc.)	0.005	1.3
	Sum (mean)	0.007	2

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.003	0.8
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0001	0.03
	Re-entry (75th perc.)	0.003	0.7
	Sum (mean)	0.004	1.1

A 3.3.1.20 Use 20 : Agricultural grassland

A 3.3.1.20.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 1 x 0.035 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.002	0.7
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0003	0.08
	Re-entry (75th perc.)	0.003	0.8
	Sum (mean)	0.004	1.1
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0006	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0001	0.03
	Re-entry (75th perc.)	0.002	0.5
	Sum (mean)	0.002	0.5

A 3.3.1.21 Use 21 : Amenity grassland

A 3.3.1.21.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 1 x 0.035 kg a.s./ha Dermal absorption: 50 % TTR: 0.00175 µg/cm²
Resident child Body weight: 10 kg	Drift (75th perc.)	0.002	0.7
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0003	0.08
	Re-entry (75th perc.)	0.0008	0.2
	Sum (mean)	0.002	0.6
	Re-entry recreational (75th perc.)	0.005	1.4
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0006	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0001	0.03
	Re-entry (75th perc.)	0.0003	0.07
	Sum (mean)	0.0006	0.2
	Re-entry recreational (75th perc.)	0.002	0.6

A 3.3.1.22 Use 22 : Amenity grassland

A 3.3.1.22.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 1 x 0.035 kg a.s./ha Dermal absorption: 50 % TTR: 0.00175 µg/cm²
Resident child Body weight: 10 kg	Drift (75th perc.)	0.002	0.7
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0003	0.08

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
	Re-entry (75th perc.)	0.0008	0.2
	Sum (mean)	0.002	0.6
	Re-entry recreational (75th perc.)	0.005	1.4
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.0006	0.2
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0001	0.03
	Re-entry (75th perc.)	0.0003	0.07
	Sum (mean)	0.0006	0.2
	Re-entry recreational (75th perc.)	0.002	0.6

A 3.3.1.23 Use 23 : Orchards

A 3.3.1.23.1 Scenario 1 : Outdoor, early season

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Early season Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 14 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.035 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.01	3.4
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.001	0.4
	Re-entry (75th perc.)	0.005	1.4
	Sum (mean)	0.01	3.6
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.007	1.9
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0006	0.2
	Re-entry (75th perc.)	0.003	0.8
	Sum (mean)	0.007	2

A 3.3.1.23.2 Scenario 2 : Outdoor, late season

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Late season Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 14 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.035 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.01	3.4
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0005	0.1
	Re-entry (75th perc.)	0.005	1.4
	Sum (mean)	0.01	3.4
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.007	1.9
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0002	0.06
	Re-entry (75th perc.)	0.003	0.8
	Sum (mean)	0.007	1.9

A 3.3.1.24 Use 24 : Orchards

A 3.3.1.24.1 Scenario 1 : Outdoor, early season

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Early season Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 14 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.035 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.01	3.4
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.001	0.4
	Re-entry (75th perc.)	0.005	1.4
	Sum (mean)	0.01	3.6

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.007	1.9
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0006	0.2
	Re-entry (75th perc.)	0.003	0.8
	Sum (mean)	0.007	2

A 3.3.1.24.2 Scenario 2 : Outdoor, late season

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Late season Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 14 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.035 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.01	3.4
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0005	0.1
	Re-entry (75th perc.)	0.005	1.4
	Sum (mean)	0.01	3.4
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.007	1.9
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0002	0.06
	Re-entry (75th perc.)	0.003	0.8
	Sum (mean)	0.007	1.9

A 3.3.1.25 Use 25 : Orchards

A 3.3.1.25.1 Scenario 1 : Outdoor, early season

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Early season Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 14 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.035 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.01	3.4
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.001	0.4
	Re-entry (75th perc.)	0.005	1.4
	Sum (mean)	0.01	3.6
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.007	1.9
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0006	0.2
	Re-entry (75th perc.)	0.003	0.8
	Sum (mean)	0.007	2

A 3.3.1.25.2 Scenario 2 : Outdoor, late season

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Late season Buffer zone: 5 m Drift reduction technology: 0 % Interval between treatments: 14 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.035 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.01	3.4
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.0005	0.1
	Re-entry (75th perc.)	0.005	1.4
	Sum (mean)	0.01	3.4
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.007	1.9
	Vapour (75th perc.)	3e-10	9e-08

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
	Deposits (75th perc.)	0.0002	0.06
	Re-entry (75th perc.)	0.003	0.8
	Sum (mean)	0.007	1.9

A 3.3.1.26 Use 26 : Low ornamentals

A 3.3.1.26.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.11 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.007	2.1
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.002	0.5
	Re-entry (75th perc.)	0.02	4.8
	Sum (mean)	0.02	5.3
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.002	0.5
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0007	0.2
	Re-entry (75th perc.)	0.01	2.6
	Sum (mean)	0.009	2.5

A 3.3.1.27 Use 27 : Low ornamentals

A 3.3.1.27.1 Scenario 1 : Outdoor, season not relevant

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL

Model data	Level of PPE	Total absorbed dose [mg/kg bw per day]	% of systemic AOEL
			Season: Not relevant Buffer zone: 2-3 m Drift reduction technology: 0 % Interval between treatments: 7 days Minimum volume of water: 200 l
Chlorantraniliprole			Number of applications and application rate: 2 x 0.11 kg a.s./ha Dermal absorption: 50 % DFR: 3 µg/cm² foliage per kg a.s./ha DT50: 30 days
Resident child Body weight: 10 kg	Drift (75th perc.)	0.007	2.1
	Vapour (75th perc.)	1e-09	3e-07
	Deposits (75th perc.)	0.002	0.5
	Re-entry (75th perc.)	0.02	4.8
	Sum (mean)	0.02	5.3
Resident adult Body weight: 60 kg	Drift (75th perc.)	0.002	0.5
	Vapour (75th perc.)	3e-10	9e-08
	Deposits (75th perc.)	0.0007	0.2
	Re-entry (75th perc.)	0.01	2.6
	Sum (mean)	0.009	2.5

A 3.4 Combined exposure calculations

Not relevant.

Appendix 4 Detailed evaluation of exposure and/or DFR studies relied upon (KCP 7.2, KCP 7.2.1.1, KCP 7.2.2.1, KCP 7.2.3.1)

Not necessary.