

REGISTRATION REPORT

Part B

Section 8 Environmental Fate

Detailed summary of the risk assessment

Product code: ProductName

Active Substances:

ActiveSubstance1 XXX g/L

ActiveSubstance2 XXX g/L

Country: Austria

Central Zone

Zonal Rapporteur Member State: <MS>

NATIONAL ASSESSMENT

Applicant: Applicant

Date : xxx 202x

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IIIA 9 FATE AND BEHAVIOUR IN THE ENVIRONMENT

Notes: Text highlighted in yellow should be changed as specified. It shows **example text**. Explanation may be added and text that is not relevant may be removed.

Tables are provided as examples and may be adapted to suit the product being evaluated (columns can be added or deleted). Moreover, some tables are not relevant for all products or all submission types and can be added or deleted.

This is a national assessment to the core assessment registration report and it includes parts of the national assessment which consider national assumptions and requirements and cause changes in comparison to the core assessment for the central zone. As the national addendum generally refers to the core assessment, the documents should be read in conjunction.

The Austrian GAP is well covered by the critical GAP evaluated in the course of the core assessment. Summaries of the exposure risk assessment will be given within each section.

Appendix 1 of this document contains the list of data submitted in support of the evaluation.

Appendix 2 of this document presents the table of intended uses.

IIIA 9.5 Predicted Environmental Concentrations in Soil (PEC_{SOIL})

IIIA 9.5.1 Active substances and metabolites

PEC_{SOIL} values for ActiveSubstance1 and its metabolites <Metabolite(s)>, ActiveSubstance2 and its metabolites <Metabolite(s)> has/have been calculated in the core assessment according to the risk envelope approach, considering the worst-case application pattern of all proposed GAP uses as presented in table 9.5.1-1.

Table 9.5.1-1: Critical GAP of ProductName applied as <application method> to crop1, crop2 considered for the PEC_{soil} calculations

Crop	Earliest growth stage of crop for application (BBCH)	Maximum application rate per treatment [g a.s./ha]	Appl. no.	Min. interval [days]	Crop interception pattern [%]
		a) ActiveSubstance1 b) ActiveSubstance2			
crop1	BBCH xx - xx	a) xxx b) xxx	xxx	xxx	Xxx
crop2	BBCH xx - xx	a) xxx b) xxx	xxx	xxx	Xxx

Input parameters of the active substances and their metabolites considered for PEC_{soil} are given in table 9.5.1-2 and 9.5.1-3.

Table 9.5.1-2: Input parameters of ActiveSubstance1 and metabolite(s) for PEC_{soil} calculation

End-Point	ActiveSubstance1	Met1A	Met1B	Met1C
Molecular weight [g/mol]				
DT _{50soil} [d]				

End-Point	ActiveSubstance1	Met1A	Met1B	Met1C
Maximum occurrence soil [%]	-			

Table 9.5.1-3: Input parameters of ActiveSubstance2 and metabolite(s) for PEC_{soil} calculation

End-Point	ActiveSubstance2	Met2A	Met2B	Met2C
Molecular weight [g/mol]				
DT _{50soil} [d]				
Maximum occurrence soil [%]	-			

The maximum PEC_{soil} values of ActiveSubstance1, ActiveSubstance2 and its/their <metabolite(s)> were summarised from the core assessment and are given in table 9.5.1-4 and table 9.5.1-5.

Table 9.5.1-4: Maximum PEC_{soil} values for ActiveSubstance1, ActiveSubstance2 and its/their <metabolite(s)> for the application on crop1

Compound	Max. PEC _{soil} [mg/kg]	XX d TWA PEC _{soil} [mg/kg]	PEC _{soil} incl. PEC _{plateau} [mg/kg]
ActiveSubstance1			
Met1A of ActiveSubstance1			
Met1B of ActiveSubstance1			
Met2C of ActiveSubstance1			
ActiveSubstance2			
Met2A of ActiveSubstance2			
Met2B of ActiveSubstance2			
Met2C of ActiveSubstance2			

Table 9.5.1-5: Maximum PEC_{soil} values for ActiveSubstance1, ActiveSubstance2 and its/their <metabolite(s)> for the application on crop2

Compound	Max. PEC _{soil} [mg/kg]	XX d TWA PEC _{soil} [mg/kg]	PEC _{soil} incl. PEC _{plateau} [mg/kg]
ActiveSubstance1			
Met1A of ActiveSubstance1			
Met1B of ActiveSubstance1			
Met1C of ActiveSubstance1			
ActiveSubstance2			
Met2A of ActiveSubstance2			
Met2B of ActiveSubstance2			
Met2C of ActiveSubstance2			

IIIA 9.5.2 Product

The Applicant has calculated PEC_{SOIL} values for the product ProductName based on application rate of the product, the density of the product and the crop interception rate. For multiple applications, the total application rate of the product is used at once. The application pattern is presented in table 9.5.2-1.

Table 9.5.2-1: Critical GAP of ProductName applied as <application method> to crop1 and crop2 considered for the PEC_{soil} calculations

Crop	Earliest growth stage of crop for application (BBCH)	Maximum application rate per treatment [kg product/ha]	Appl. no.	Min. interval [days]	Crop interception pattern [%]	Total amount product reaching soil [kg product/ha]
crop1	BBCH xx - xx	xxx*	xxx	xxx	xxx	xxx
crop2	BBCH xx - xx	xxx*	xxx	xxx	xxx	xxx

* based on the density of the product of XXX kg/L

The maximum PEC_{soil} values of the product are presented in table 9.5.2-2.

Table 9.5.2-2: Maximum PEC_{SOIL} value for the product ProductName for the application on crop1, crop2

Compound	Crop	Max. PEC_{soil} [mg/kg]
Product ProductName	crop1	
Product ProductName	crop2	

IIIA 9.6 Predicted Environmental Concentrations in Ground Water (PEC_{GW})

The PEC_{GW} of ActiveSubstance1, ActiveSubstance2 and its/their metabolite(s) has been calculated in the core assessment for the worst-case risk envelope GAP given in table 9.6-1.

Table 9.6-1: Critical GAP of ProductName applied as <application method> to crop1, crop2 considered for the PEC_{GW} calculations

Crop	FOCUS crop scenario	Earliest growth stage of crop for application (BBCH)	Maximum application rate per treatment [g a.s./ha] a) ActiveSubstance1 b) ActiveSubstance2	Appl. no.	Min. interval [days]	Crop interception [%]
crop1	<FOCUS crop1>	BBCH xx - xx	a) xxx b) xxx	xxx	xxx	xxx
crop2	<FOCUS crop2>	BBCH xx - xx	a) xxx b) xxx	xxx	xxx	xxx

Input parameter of the active substances and their metabolites considered for PEC_{GW} are given in table 9.6-2 and 9.6-3.

Table 9.6-2: Input parameters of ActiveSubstance1 and metabolite(s) for PEC_{GW} calculation

End-Point	ActiveSubstance1	Met1A	Met1B	Met3C
Molecular weight [g/mol]				

Water solubility [mg/L] at 20°C, pH 7				
Vapour pressure at 20°C [Pa]				
DT ₅₀ soil [d]				
K _{oc} /K _{fOC} [mL/g]				
K _{om} /K _{fOM} [mL/g]				
1/n				
Formation fraction				
Plant uptake factor				
Q ₁₀				

Table 9.6-3: Input parameters of ActiveSubstance2 and metabolite(s) for PEC_{GW} calculation

End-Point	ActiveSubstance2	Met2A	Met2B	Met2C
Molecular weight [g/mol]				
Water solubility [mg/L] at 20°C, pH 7				
Vapour pressure at 20°C [Pa]				
DT ₅₀ soil [d]				
K _{oc} /K _{fOC} [mL/g]				
K _{om} /K _{fOM} [mL/g]				
1/n				
Formation fraction				
Plant uptake factor				
Q ₁₀				

The groundwater risk assessment has been assessed with standard FOCUS scenarios to obtain outputs from the FOCUS PEARL (v.4.4.4) model. Application timings were selected according to the intended use patterns. The application schemes are presented in table 9.6-4 or 5.

Table 9.6-4: Application schemes for FOCUS groundwater simulations based on relative application dates

Scenario	Crop event	Application type	Period before or after the event [days]	Dosage [kg ha ⁻¹]	Interception [%]
Châteaudun					
Hamburg					
Kremsmünster					
Okehampton					

OR

Table 9.6-5: Application schemes for FOCUS groundwater simulations based on absolute application dates

Scenario	Application type	Date [dd/mm/yyyy]	Dosage [kg ha ⁻¹]	Interception [%]
Châteaudun	xxx	Appl. 1: dd/mm/yyyy Appl. 2: dd/mm/yyyy	xxx xxx	xx xx
Hamburg	xxx	Appl. 1: dd/mm/yyyy Appl. 2: dd/mm/yyyy	xxx xxx	xx xx
Kremsmünster	xxx	Appl. 1: dd/mm/yyyy Appl. 2: dd/mm/yyyy	xxx xxx	xx xx

Okehampton	xxx	Appl. 1: dd/mm/yyyy Appl. 2: dd/mm/yyyy	xxx xxx	xx xx
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The respective PEC_{GW} values for ActiveSubstance1, ActiveSubstance2 and its/their <metabolite(s)> are given in tables 9.6-4 and 9.6-5.

Table 9.6-6: PEC_{GW} [µg/L] for ActiveSubstance1 and its metabolite(s)

Crop	Scenario	80 th Percentile PEC _{GW} at 1m Soil Depth [µg/L]			
		ActiveSubstance1	Met1A	Met1B	Met1C
crop1	Châteaudun				
	Hamburg				
	Kremsmünster				
	Okehampton				
crop2	Châteaudun				
	Hamburg				
	Kremsmünster				
	Okehampton				

Table 9.6-7: PEC_{GW} [µg/L] for ActiveSubstance2 and its metabolite(s)

Crop	Scenario	80 th Percentile PEC _{GW} at 1m Soil Depth [µg/L]			
		ActiveSubstance2	Met2A	Met2B	Met2C
crop1	Châteaudun				
	Hamburg				
	Kremsmünster				
	Okehampton				
crop2	Châteaudun				
	Hamburg				
	Kremsmünster				
	Okehampton				

The PEC_{GW} for ActiveSubstance1, ActiveSubstance2 and its/their <metabolite(s)> are below/above the regulatory threshold of 0.1 µg/L.

IIIA 9.7 Predicted Environmental Concentrations in Surface Water (PEC_{sw})

IIIA 9.7.1 Active substances and metabolites

A tiered sequence of PEC_{SW} and PEC_{SED} model simulations has been conducted for ActiveSubstance1, ActiveSubstance2 and its/their <metabolite(s)> for application patterns of the envisaged GAP use in a representative crop according to FOCUS requirements using STEPs 1-2 in FOCUS (v.2.1) and FOCUS SWASH 3.1, comprising the FOCUS drift calculator, the drainage model FOCUS MACRO 5.5.3, the run-off model FOCUS PRZM 3.1.1 and the model FOCUS TOXSWA 3.3.1. The GAP with relevant application parameters for which PEC_{SW} and PEC_{SED} modelling were performed are presented in table 9.7.1-1.

Table 9.7.1-1 Critical GAP of ProductName applied as <application method> to crop1, crop2 considered for the PEC_{sw} calculations

Crop	FOCUS crop scenario	Earliest growth stage of crop for application (BBCH)	Maximum application rate per treatment [g a.s./ha]	Appl. no.	Min. interval [days]	Crop interception [%]
			a) ActiveSubstance1 b) ActiveSubstance2			
crop1	<FOCUS crop1>	BBCH xx - xx	a) xxx b) xxx	xxx	xxx	xxx
crop2	<FOCUS crop2>	BBCH xx - xx	a) xxx b) xxx	xxx	xxx	xxx

Input parameter of the active substances and their metabolites considered for PEC_{sw} are given in table 9.7.1-2 and 9.7.1-3.

Table 9.7.1-2: Input parameters of ActiveSubstance1 and its metabolite(s) for PEC_{sw} calculation

End-Point	ActiveSubstance1	Met1A	Met1B	Met1C
Molecular weight [g/mol]				
Water solubility [mg/L] at 20 °C, pH 7				
Vapour pressure at 20 °C [Pa]				
DT ₅₀ soil [d]				
DT ₅₀ water[d]				
DT ₅₀ sediment [d]				
DT ₅₀ water/sediment [d]				
K _{oc} /K _{foc} [mL/g]				
1/n				
Maximum occurrence in soil [%]				
Maximum occurrence in water/sediment study [%] (total system)				
Plant uptake factor				
Crop wash-off factor [cm ⁻¹]				
Q ₁₀				

Table 9.7.1-3: Input parameters of ActiveSubstance2 and its metabolite(s) for PEC_{sw} calculation

End-Point	ActiveSubstance2	Met2A	Met2B	Met2C
Molecular weight [g/mol]				
Water solubility [mg/L] at 20 °C, pH 7				
Vapour pressure at 20 °C [Pa]				
DT ₅₀ soil [d]				
DT ₅₀ water[d]				
DT ₅₀ sediment [d]				

DT ₅₀ water/ sediment [d]				
K _{oc} /K _{foc} [mL/g]				
1/n				
Maximum occurrence in soil [%]				
Maximum occurrence in water/sediment study [%] (total system)				
Plant uptake factor				
Crop wash-off factor [cm ⁻¹]				
Q ₁₀				

FOCUS STEP 1-2

The FOCUS STEPs 1-2 was calculated by the Applicant with the application rate of the critical GAP. The application pattern was set to “xxx crop cover” (crop interception), “North Europe, <month> - <month>” (region and season of application). The initial worst-case PEC_{sw} values for STEPs 1-2 are given in table 9.7.1-4 and 9.7.1-5.

Table 9.7.1-4: Maximum (FOCUS STEPS 1-2) predicted surface water and sediment concentrations (PEC_{SW} and PEC_{SED}) of ActiveSubstance1 and its <metabolite(s)>

Crop	STEP 1		STEP 2			
	single/multiple application		single application		multiple application	
	PEC _{SW} [µg/L]	PEC _{SED} [µg/kg]	PEC _{SW} [µg/L]	PEC _{SED} [µg/kg]	PEC _{SW} [µg/L]	PEC _{SED} [µg/kg]
ActiveSubstance1						
crop1						
crop2						
Met1A						
crop1						
crop2						
Met1B						
crop1						
crop2						
Met1C						
crop1						
crop2						

Table 9.7.1-5: Maximum (FOCUS STEPS 1-2) predicted surface water and sediment concentrations (PEC_{SW} and PEC_{SED}) of ActiveSubstance2 and its <metabolite(s)>

Crop	STEP 1		STEP 2			
	Single/multiple application		single application		multiple application	
	PEC _{SW} [µg/L]	PEC _{SED} [µg/kg]	PEC _{SW} [µg/L]	PEC _{SED} [µg/kg]	PEC _{SW} [µg/L]	PEC _{SED} [µg/kg]
ActiveSubstance2						
crop1						
crop2						
Met2A						
crop1						
crop2						
Met2B						
crop1						
crop2						
Met2C						
crop1						
crop2						

FOCUS STEP 3

STEP 3 was calculated for ActiveSubstance1 and ActiveSubstance2. STEP 3 was evaluated by the zRMS. The PEC_{SW} values were calculated at STEP 3 using the FOCUS models. The application method was set to “xx e.g. ground spray” and the “Chemical Application Method” was chosen to be “ e.g. 2-application foliar linear” with a default value of 4 cm for incorporation depth. Application windows were selected according to the intended use patterns. The actual application timings were determined by the Pesticide Application Timer (PAT) tool within the SWASH shell and are given in the table 9.7.1-6.

Table 9.7.1-6: Application timings for FOCUS surface water STEP 3 simulations

Crop	Scenario	Application window (Julian days)
crop1	D4	xxx – xxx
	R1	xxx - xxx
	R3	xxx - xxx
	D4	xxx – xxx

Crop	Scenario	Application window (Julian days)
crop2	R1	xxx - xxx
	R3	xxx - xxx

The STEP 3 values for ActiveSubstance1 and ActiveSubstance2 are given in table 9.7.1-7 to 9.7.1-10. The PEC_{SW} values were differentiated by single and multiple applications.

Table 9.7.1-7: Calculated global maximum PEC_{SW} and PEC_{SED} values [µg/L] for ActiveSubstance1 following application on crop1, crop2 at FOCUS surface water STEP 3, single application

Scenario	single application			
	PEC _{SW} [µg/L]		PEC _{SED} [µg/kg]	Main route of entry
	Actual max.	TWA XX d	Actual max.	
crop1				
D4 pond				
D4 stream				
R1 pond				
R1 stream				
R3 stream				
crop2				
D4 pond				
D4 stream				
R1 pond				
R1 stream				
R3 stream				

Table 9.7.1-8: Calculated global maximum PEC_{SW} and PEC_{SED} values [µg/L] for ActiveSubstance1 following application on crop1, crop2 at FOCUS surface water STEP 3, multiple applications

Scenario	multiple application		
	PEC _{SW} [µg/L]		PEC _{SED} [µg/kg]
	Actual max.	TWA XX d	Actual max.
crop1			
D4 pond			
D4 stream			
R1 pond			
R1 stream			
R3 stream			
crop2			
D4 pond			
D4 stream			
R1 pond			
R1 stream			
R3 stream			

Table 9.7.1-9: Calculated global maximum PEC_{SW} and PEC_{SED} values [µg/L] for ActiveSubstance2 following application on crop1, crop2 at FOCUS surface water STEP 3, single application

single application	

Scenario	PEC _{SW} [µg/L]		PEC _{SED} [µg/kg]	Main route of entry
	Actual max.	TWA XX d	Actual max.	
crop1				
D4 pond				
D4 stream				
R1 pond				
R1 stream				
R3 stream				
crop2				
D4 pond				
D4 stream				
R1 pond				
R1 stream				
R3 stream				

Table 9.7.1-10: Calculated global maximum PEC_{SW} and PEC_{SED} values [µg/L] for ActiveSubstance2 following application on crop1, crop2 at FOCUS surface water STEP 3, multiple applications

Scenario	multiple application		
	PEC _{SW} [µg/L]		PEC _{SED} [µg/kg]
	Actual max.	TWA XX d	Actual max.
crop1			
D4 pond			
D4 stream			
R1 pond			
R1 stream			
R3 stream			
crop2			
D4 pond			
D4 stream			
R1 pond			
R1 stream			
R3 stream			

FOCUS STEP 4

The STEP 4 values were provided by the Applicant in the Austrian addendum and calculated considering spray drift mitigation via no spray buffer zones (5/10/15/20 m) and the use of drift reducing nozzles (50/75/90 %) as well as run-off mitigation measures for the R-scenarios. For runoff mitigation measures vegetative filter strips of 5, 10, 15 and 20 m was considered. The reduction efficiencies used for the calculation are presented Table 9.7.1-9. VFSSMod modelling was not performed.

Table 9.7.1-11: Reduction efficiencies of surface run-off used for the calculation (according to national requirements)

Buffer width (m)	5 ^a	10 ^b	15 ^c	20 ^b
Reduction in volume of runoff water (%)	40	60	70	80
Reduction in mass of pesticide transported in aqueous phase (%)	40	60	70	80
Reduction in mass of eroded sediment (%)	40	85	90	95
Reduction in mass of pesticide transported in sediment phase (%)	40	85	90	95

^a EXPOSIT 3.0

^b FOCUS (2007)

^c average of 10 and 20 m

The STEP 4 values for **ActiveSubstance1** are given in table 9.7.1-12 to 9.7.1-15. The STEP 4 values for **ActiveSubstance2** are given in table 9.7.1-16 to 9.7.1-19. The PEC_{sw} values were differentiated by **single and multiple applications**.

Table 9.7.1-12: Global maximum PEC_{sw} [µg/L] values of ActiveSubstance1 following application on crop1 (single application)

PEC _{sw} [µg/L]	Scenario	STEP 4								
		None	None	None	None	None	5	10	15	20
Nozzle reduction	Vegetative strip [m]	None	None	None	None	None	5	10	15	20
	No spray buffer [m]	FOCUS default	5	10	15	20	5	10	15	20
None	D4 pond									
50 %										
75 %										
90 %										
None	D4 stream									
50 %										
75 %										
90 %										
None	R1 pond									
50 %										
75 %										
90 %										
None	R1 stream									
50 %										
75 %										
90 %										
None	R3 stream									
50 %										
75 %										
90 %										

Table 9.7.1-13: Global maximum PEC_{sw} [µg/L] values of ActiveSubstance1 following application on crop1 (multiple application)

PEC _{sw} [µg/L]	Scenario	STEP 4								
		None	None	None	None	None	5	10	15	20
Nozzle reduction	Vegetative strip [m]	None	None	None	None	None	5	10	15	20
	No spray buffer [m]	FOCUS default	5	10	15	20	5	10	15	20
None	D4 pond									
50 %										
75 %										
90 %										
None	D4 stream									
50 %										
75 %										
90 %										
None	R1 pond									
50 %										
75 %										
90 %										
None	R1 stream									
50 %										
75 %										
90 %										
None	R3 stream									
50 %										
75 %										
90 %										

Table 9.7.1-14: Global maximum PEC_{sw} [µg/L] values of ActiveSubstance1 following application on crop2 (single application)

PEC _{sw} [µg/L]	Scenario	STEP 4								
		None	None	None	None	None	5	10	15	20
Nozzle reduction	Vegetative strip [m]	None	None	None	None	None	5	10	15	20
	No spray buffer [m]	FOCUS default	5	10	15	20	5	10	15	20
None	D4 pond									
50 %										
75 %										
90 %										
None	D4 stream									
50 %										
75 %										
90 %										
None	R1 pond									
50 %										
75 %										
90 %										
None	R1 stream									
50 %										
75 %										
90 %										
None	R3 stream									
50 %										
75 %										
90 %										

Table 9.7.1-15: Global maximum PEC_{sw} [µg/L] values of ActiveSubstance1 following application on crop2 (multiple application)

PEC _{sw} [µg/L]	Scenario	STEP 4								
		None	None	None	None	None	5	10	15	20
Nozzle reduction	Vegetative strip [m]	None	None	None	None	None	5	10	15	20
	No spray buffer [m]	FOCUS default	5	10	15	20	5	10	15	20
None	D4 pond									
50 %										
75 %										
90 %										
None	D4 stream									
50 %										
75 %										
90 %										
None	R1 pond									
50 %										
75 %										
90 %										
None	R1 stream									
50 %										
75 %										
90 %										
None	R3 stream									
50 %										
75 %										
90 %										

Table 9.7.1-16: Global maximum PEC_{sw} [µg/L] values of ActiveSubstance2 following application on crop1 (single application)

PEC _{sw} [µg/L]	Scenario	STEP 4								
		None	None	None	None	None	5	10	15	20
Nozzle reduction	Vegetative strip [m]	None	None	None	None	None	5	10	15	20
	No spray buffer [m]	FOCUS default	5	10	15	20	5	10	15	20
None	D4 pond									
50 %										
75 %										
90 %										
None	D4 stream									
50 %										
75 %										
90 %										
None	R1 pond									
50 %										
75 %										
90 %										
None	R1 stream									
50 %										
75 %										
90 %										
None	R3 stream									
50 %										
75 %										
90 %										

Table 9.7.1-17: Global maximum PEC_{sw} [µg/L] values of ActiveSubstance2 following application on crop1 (multiple application)

PEC _{sw} [µg/L]	Scenario	STEP 4								
		None	None	None	None	None	5	10	15	20
Nozzle reduction	Vegetative strip [m]	None	None	None	None	None	5	10	15	20
	No spray buffer [m]	FOCUS default	5	10	15	20	5	10	15	20
None	D4 pond									
50 %										
75 %										
90 %										
None	D4 stream									
50 %										
75 %										
90 %										
None	R1 pond									
50 %										
75 %										
90 %										
None	R1 stream									
50 %										
75 %										
90 %										
None	R3 stream									
50 %										
75 %										
90 %										

Table 9.7.1-18: Global maximum PEC_{sw} [µg/L] values of ActiveSubstance2 following application on crop2 (single application)

PEC _{sw} [µg/L]	Scenario	STEP 4								
		None	None	None	None	None	5	10	15	20
Nozzle reduction	Vegetative strip [m]	None	None	None	None	None	5	10	15	20
	No spray buffer [m]	FOCUS default	5	10	15	20	5	10	15	20
None	D4 pond									
50 %										
75 %										
90 %										
None	D4 stream									
50 %										
75 %										
90 %										
None	R1 pond									
50 %										
75 %										
90 %										
None	R1 stream									
50 %										
75 %										
90 %										
None	R3 stream									
50 %										
75 %										
90 %										

Table 9.7.1-19: Global maximum PEC_{sw} [µg/L] values of ActiveSubstance2 following application on crop2 (multiple application)

PEC _{sw} [µg/L]	Scenario	STEP 4								
		None	None	None	None	None	5	10	15	20
Nozzle reduction	Vegetative strip [m]	None	None	None	None	None	5	10	15	20
	No spray buffer [m]	FOCUS default	5	10	15	20	5	10	15	20
None	D4 pond									
50 %										
75 %										
90 %										
None	D4 stream									
50 %										
75 %										
90 %										
None	R1 pond									
50 %										
75 %										
90 %										
None	R1 stream									
50 %										
75 %										
90 %										
None	R3 stream									
50 %										
75 %										
90 %										

<Applicant to provide if necessary similar STEP 3 and STEP 4 tables for PEC_{SED}.>

IIIA 9.7.2 Product

The Applicant provided PEC_{sw} values for the product ProductName based on drift only using the FOCUS SWASH Drift calculator. Only PEC_{sw} values were calculated, no transfer into sediment was assumed.

The GAP with relevant application and scenario parameters used for FOCUS drift calculations for the product ProductName are presented in table 9.7.2-1.

Table 9.7.2-1: Critical GAP of ProductName applied as <application method> to crop1, crop2 considered for the PEC_{sw} drift calculations

Crop	FOCUS crop scenario	Earliest growth stage of crop for application (BBCH)	Maximum application rate per treatment [g PPP/ha]	Appl. no.	Min. interval [days]
crop1	<FOCUS crop1>	BBCH xx - xx	xxx*	xxx	xxx
crop2	<FOCUS crop2>	BBCH xx - xx	xxx*	xxx	xxx

* based on the density of the product of XXX kg/L

The following drift mitigation measures were considered:

Drift mitigation via drift reducing nozzles (drift reduction of 50 %, 75 %, 90 %) and via buffer zones (distance to the water body: FOCUS default, 5 m, 10 m, 15 m, 20m).

The calculated maximum predicted concentrations of the product ProductName in surface water (PEC_{sw}) according to FOCUS drift calculator following application to different crops according to the Austrian GAP are summarised in the table below.

Table 9.7.2-2: Initial predicted surface water concentration [µg/L] of product ProductName

Crop	Nozzle mitigation	Distance				
		FOCUS Default	5 m	10 m	15 m	20 m
crop1 (single application)	None					
	50 %					
	75 %					
	90 %					
crop1 (multiple application)	None					
	50 %					
	75 %					
	90 %					
crop2 (single application)	None					
	50 %					
	75 %					
	90 %					
crop2 (multiple application)	None					
	50 %					
	75 %					
	90 %					

IIIA 9.8 **Predicted Environmental Concentrations in Air (PEC_{AIR})**

Applicant to insert text from the RR.

Appendix 1 List of data submitted in support of the evaluation

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
No specific studies relevant for national assessment were submitted.					

Appendix 2 Table of intended uses

1	2	3	4	5	6	7	8	10	11	12	13	14
Use- No.	Member state(s)	Crop and/ or situation (crop destination / purpose of crop)	F G or I	Pests or Group of pests controlled (additionally: developmental stages of the pest or pest group)	Application			Application rate			PHI (days)	Remarks: e.g. g safener/ synergist per ha
					Method / Kind	Timing / Growth stage of crop & season	Max. number (min. interval between applications) a) per use b) per crop/ season	kg product / ha a) max. rate per appl. b) max. total rate per crop/season	kg as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max		
1	AT											