

REGISTRATION REPORT

Part B

Section 1: Identity

Section 2: Physical and chemical properties

Section 4: Further information

Detailed summary of the risk assessment

Product code: BAS 762 02 F

Product name: Revydas

Chemical active substances:

Mefentrifluconazole, 100.0 g/L

Boscalid, 200.0 g/L

Central Zone

Zonal Rapporteur Member State: Poland

CORE ASSESSMENT

(authorization)

Applicant: BASF

Submission date: March 2021

MS finalisation date: October 2021 (initial Core Assessment)

April 2022 (final Core Assessment)

Version history

When	What
March 2021	Applicant initial dRR
October 2021	Initial assessment by the zRMS The report in the dRR format has been prepared by the Applicant, therefore all comments, additional evaluations and conclusions of the zRMS are presented in grey commenting boxes. Minor changes are introduced directly in the text and highlighted in grey. Not agreed or not relevant information are struck through and shaded for transparency .
April 2022	Final report (Core Assessment after the commenting period) Additional information/assessments included by the zRMS in the report in response to comments received from the CMS and the Applicant are highlighted in yellow, while not agreed use pattern is struck through and shaded .

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Sufficient data on identity, physical and chemical properties and other information are available for the plant protection product and the contained technical active substances.

Noticed data gaps are: **none**.

~~the two years storage stability study is ongoing (expected by end of Q1 2022).~~

1 Section 1: Identity of the plant protection product

1.1 Applicant (KCP 1.1)

BASF Agro B.V., Arnhem (NL) - Freienbach Branch
Huobstraße 3
8808 Pfäffikon
Switzerland

Contact: BASF SE
XXX

Contact person: Dr. Thomas XXX
Tel. no.: +49 XXX
E-mail: thomas.XXX@basf.com

1.2 Producer of the plant protection product and of the active substances (KCP 1.2)

1.2.1 Producer(s) of the preparation

Legal entity:

BASF Agro B.V., Arnhem (NL) - Freienbach Branch
XXX

Contact: BASF SE
XXX

Contact person: Dr. Thomas XXX
Tel. no.: +49 XXX
E-mail: thomas.XXX@basf.com

Location of manufacturing sites:

Confidential information or data are provided separately (Part C).

1.2.2 Producer(s) of the active substances

Producer of mefentrifluconazole (legal entity):

**BASF Agro B.V., Arnhem (NL) - Freienbach Branch
XXX**

Contact: BASF SE
 XXX

Contact person: Dr. Thomas XXX
Tel. no.: +49 XXX
E-mail: thomas.XXX@basf.com

Location of manufacturing sites:

Confidential information or data are provided separately (Part C).

Producer of boscalid (legal entity):

Contact: BASF SE
 XXX

XXX

Contact person: Dr. Thomas XXX
Tel. no.: +49 XXX
E-mail: thomas.XXX@basf.com

Location of manufacturing sites:

Confidential information or data are provided separately (Part C).

1.2.3 Statement of purity (and detailed information on impurities) of the active substances

1.2.3.1 Mefentrifluconazole

Mefentrifluconazole min. 970 g/kg*

Impurities of toxicological, ecotoxicological or environmental concern:

N,N-Dimethylformamide (DMF)	max. 0.5 g/kg
Toluene	max. 1.0 g/kg
1,2,4-(1H)-Triazole	max. 1.0 g/kg

Further information / justification is provided in Part C.

*970 g/kg according to SANTE/11612/2018 Rev. 3;
980 g/kg (based on revision 2 of the equivalence report by Austria)

1.2.3.2 Boscalid

Boscalid min. 960 g/kg

Impurities of toxicological, ecotoxicological or environmental concern: none.

Further information / justification is provided in Part C.

1.3 Trade names and producer's development code numbers for the preparation (KCP 1.3)

Trade name:	Revydas
Company code number:	BAS 762 02 F BAS 762 AM F (experimental code, equivalent with BAS 762 02 F)

1.4 Detailed quantitative and qualitative information on the composition of the preparation (KCP 1.4)

1.4.1 Composition of the plant protection product (KCP 1.4.1)

Table 1.4-1: Active substances and variants of the active substances

Active substance / variant	Declared content of the pure active substance / variant [g/L]	FAO limits (min. – max.) [g/L]	Technical content* [g/L]	Technical content** [% w/w]
Mefentrifluconazole	100.0	90.0 – 110.0	103.1	9.08
Boscalid	200.0	188.0 – 212.0	208.3	18.34

* Based on the minimum purity of the active substance declared for registration in the active substance dossier

** Based on the density of the formulation = 1.136 g/cm³ at 20 °C

This formulation is not the representative formulation.

None of the active substances in the formulation are present in the form of a salt, ester, anion or cation.

No safeners or synergists are used in this formulation.

Table 1.4-2: Relevant impurities

Relevant impurity	Maximum content*
N,N-Dimethylformamide (DMF)	51.6 mg/L or 45.4 mg/kg
Toluene	103.1 mg/L or 90.8 mg/kg
1,2,4-(1H)-Triazole	103.1 mg/L or 90.8 mg/kg

* Based on the specified limits of the relevant impurities in the TGAs (see section 1.2.3)

Further information on the active substances and on the certified limits of formulants is considered confidential and is provided separately (Part C).

1.4.2 Information on the active substances (KCP 1.4.2)

Table 1.4-3: Information on mefentrifluconazole

Type	Name / code number
ISO common name	Mefentrifluconazole
CAS no.	1417782-03-6
EC no.	822-682-6
CIPAC no.	Not available yet 1004
Salt, ester, anion or cation present	None

Table 1.4-4: Information on boscalid

Type	Name / code number
ISO common name	Boscalid
CAS no.	188425-85-6
EC no.	606-143-0
CIPAC no.	673
Salt, ester, anion or cation present	None

1.4.3 Information on safeners, synergists and co-formulants (KCP 1.4.3)

The formulation does not contain any safeners or synergists.

Confidential information or data are provided separately (Part C).

1.5 Type and code of the plant protection product (KCP 1.5)

Type: Suspension concentrate [Code: SC]

1.6 Function (KCP 1.6)

Fungicide.

2 Section 2: Physical, chemical and technical properties of the plant protection product

All studies have been performed in accordance with the current requirements and the results are deemed to be acceptable. The appearance of the product is that of a light beige liquid suspension with a moderate sweet odour. It is not explosive and has no oxidising properties. The product is not flammable. It has an auto-ignition temperature of 545 °C. In aqueous solution, it has a pH value of 6.0-8.0 at 24 °C. There is no effect of low and high temperature on the stability of the formulation, since after 7 days at 0 °C and 14 days at 54 °C, neither the active ingredient contents nor the technical properties were changed. The stability data indicate a shelf life of at least 2 years at ambient temperature when stored in HDPE container. ~~is still ongoing and will be provided as soon as possible.~~

The packaging claimed in the section 4 (HDPE and f-HDPE) are acceptable as a storage stability study at elevated temperature for 14 days **and 2 years at ambient temperature** was carried out in HDPE material and can be extrapolated.

Its technical characteristics are acceptable for an SC formulation.

The intended concentration of use is 0.25 % to 1.0 %.

BAS 762 02 F can be mixed in the tank together with Pictor Active (BAS 516 15 F), Biscaya (BAS 9165 1 I), Mospilan SG (BAS 9111 9 I), Avatar (BAS 9157 5 I), Mavrik Flol (BAS 9038 1 I), and Dash EC (BAS 160 00 S). Studies regarding the combination with these products were submitted and the application as tank mixture is acceptable.

Justified proposals for classification and labelling (KCP 12), for the physical-chemical part only

No implication for labelling.

Notifier proposals for risk and safety phrases (KCP 12)

None.

Compliance with the FAO specifications

The product BAS 762 02 F complies with the FAO specifications.

Formulation used for tests

All tests have been conducted with the preparation BAS 762 02 F.

Table 2-1: Physical, chemical and technical properties of the plant protection product

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference(s)	Acceptability / comments
Colour and physical state (KCP 2.1)	Visual assessment and organoleptic determination	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	The product is a light beige liquid suspension with a moderate sweet odour, both initially and after accelerated storage for 14 d at 54 °C.	Y	[see 2019/2073795 XXX, M. 2019]	Accepted.
Explosive properties (KCP 2.2.1)	UN Class 1 EC A.14.	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	In the DSC measurement, the test item BAS 762 02 F showed three exothermic effects starting at temperatures of 160 °C, 240 °C and 390 °C with maximum decomposition energies of -60 J/g, -150 J/g and -60 J/g, respectively. The overall decomposition energy does not go beyond the threshold of -500 J/g. Therefore, explosive properties can be excluded. Due to this, further tests on explosive properties were not necessary. The test item BAS 762 02 F has no explosive properties.	Y	[see 2019/1039586 XXX, J. 2019]	Accepted. BAS 762 02 F has no explosive properties.
Oxidising properties (KCP 2.2.2)	UN O.2 EC A.21.	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	In all five tests with the test item BAS 762 02 F, a pressure of 2,070 kPa was not reached within 60 s, meaning that the pressure rise time for the test item is greater than the mean pressure rise time for the reference item 65 % nitric acid (2.38 s). Therefore, the test item showed no oxidising properties.	Y	[see 2019/1039586 XXX, J. 2019]	Accepted. BAS 762 02 has no oxidising properties.
Flash point (KCP 2.3.1)	EC A.9. CIPAC MT 12	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	The test item BAS 762 02 F has no flash point up to a temperature of 120 °C.	Y	[see 2019/1039586 XXX, J. 2019]	Accepted.
Flammability (KCP 2.3.2)	---	---	The flammability test UN N.5 (contact with water) was not carried out, because the product is known to form a stable mixture with water.	---	---	Accepted.
Self-heating (KCP 2.3.3)	EC A.15	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	The test item BAS 762 02 F has an auto-ignition temperature of 545 °C.	Y	[see 2019/1039586 XXX, J. 2019]	Accepted.
Acidity or alkalinity and pH (KCP 2.4.1)	---	---	Only required for preparations that are acidic (pH < 4) or alkaline (pH > 10).	---	---	-

Annex point	Method used / deviations	Test material	Findings												GLP Y/N	Reference(s)	Acceptability / comments
pH of an 1 % aqueous dilution, emulsion or dispersion (KCP 2.4.2)	CIPAC MT 75.3	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	Dilution medium		Pure water		CIPAC Water D		None		Pure water		CIPAC Water D		Y	[see 2019/2073795 XXX, M. 2019]	Accepted.
			Test conc. [%]		---		---		Undiluted		1.0		1.0				
			Storage temp. [°C]	Storage time [weeks]	Test temp. [°C]	pH	Test temp. [°C]	pH	Test temp. [°C]	pH	Test temp. [°C]	pH	Test temp. [°C]	pH			
			---	Initial	24	6.0	24	6.2	24	7.8	24	8.0	24	6.8			
			54	2	24	6.0	24	6.2	24	7.4	24	7.5	24	6.7			
Viscosity (KCP 2.5.1)	CIPAC MT 192 OECD 114	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	Meas. Temp. [°C]		Dynamic viscosity [mPa·s]								Y	[see 2019/2073795 XXX, M. 2019]	Accepted.		
			20														
			Storage temp. [°C]	Storage time [weeks]	D [s ⁻¹]				Flow behaviour								
					1	10	100	200									
			---	Initial	3988	825	228	164	Shear thinning								
			54	2	3367	777	263	211	Shear thinning								
			Meas. Temp. [°C]		Dynamic viscosity [mPa·s]												
			40														
			Storage temp. [°C]	Storage time [weeks]	D [s ⁻¹]				Flow behaviour								
					1	10	100	200									
			---	Initial	4432	864	216	146	Shear thinning								
			54	2	2348	582	189	151	Shear thinning								
Surface tension (KCP 2.5.2)	OECD 115 EEC A5 1.6.1	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	Storage temp. [°C]	Storage time [weeks]	Test conc. [%]	Test temp. [°C]	Surface tension [mN/m]	Y	[see 2019/2073795 XXX, M. 2019]	Accepted. The product is surface active.							
			---	Initial	0.1	20	42.6										
			---	Initial	1.0	20	35.5										

Annex point	Method used / deviations	Test material	Findings					GLP Y/N	Reference(s)	Acceptability / comments
Relative density (KCP 2.6.1)	OECD 109 EEC A3. 1.4.4	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L						Y	[see 2019/2073795 XXX, M. 2019]	Accepted.
			Storage temp. [°C]	Storage time [weeks]	Density at 20 °C [g/cm³]	Relative density D ²⁰ (= density / 0.99997 g/cm3)	Density at 40 °C [g/cm³]			
			---	Initial	1.136	1.136	1.127			
			54	2	1.137	1.137	n.d.			
			n.d. = not determined							
Bulk density (KCP 2.6.2)	---	---	Not applicable to SC formulations.					---	---	-

Annex point	Method used / deviations	Test material	Findings				GLP Y/N	Reference(s)	Acceptability / comments				
Storage stability after 14 days at 54 °C (KCP 2.7.1)	Contents of a.i.: AFL0995/01 CIPAC MT 46.3 1L- HDPE bottle	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	Contents of a.i.				Y	[see 2019/2073795 XXX, M. 2019]	The product showed no significant physical changes after accelerated storage and all performance properties were within acceptable limits. No toxicologically, ecotoxicologically or environmentally relevant impurities are formed upon storage, evaluation of this parameter after storage is not necessary. The accelerated stability data indicate a shelf life of at least 2 years at ambient temperature when stored in HDPE.				
			Storage temp. [°C]		Storage time [weeks]					BAS 750 F [g/L]	BAS 510 F [g/L]		
			-		Initial					94.0	199.8		
			54		2					97.3	206.5		
			Appearance (claying)										
			Storage temp. [°C]		Storage time [weeks]					Assessment before inversion		Assessment after three inversions	
			---		Initial					Small amount of supernatant layer (< 1 cm); no sediment		Completely homogenous; no sediment	
			54		2					Small amount of supernatant layer (< 1 cm); no sediment		Completely homogenous; no sediment	
			Weight change of unopened container										
			Storage temp. [°C]		Storage time [weeks]					Weight initial [g]	Weight after storage [g]	Weight change [%]	
			54		2					1222.36	1222.71	0.03	
			Pack appearance										
			Storage temp. [°C]		Storage time [weeks]					Package appearance			
										Initial		After storage	
54		2		There is no influence of the product on the original container.		There is no influence of the product on the original container.							
Corrosion													
Storage temp. [°C]		Storage time [weeks]		Corrosion									
---		Initial		No corrosion, seal intact and no peculiarities inside of the original container were observed.									
54		2		No corrosion, seal intact and no peculiarities inside of the original container were observed.									

Annex point	Method used / deviations	Test material	Findings				GLP Y/N	Reference(s)	Acceptability / comments
Stability after storage for other periods and / or temperatures (KCP 2.7.2)	---	---	Not required.				---	---	
Minimum content after heat stability testing (KCP 2.7.3)	---	---	Not required, because there is less than 5 % decrease in the content of the active substances.				---	---	
Effect of low temperatures on stability (KCP 2.7.4)	CIPAC MT 39.3	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	Storage temp. [°C]	Storage time [weeks]	Assessment after storage	Assessment after 24 h standing, one inversion and following 1 h standing	Y	[see 2019/2073795 XXX, M. 2019]	Accepted.
			0	1	After 7 days at 0 °C, the sample was homogeneous and no separated material was observed.	Not required.			

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference(s)	Acceptability / comments
Ambient temperature shelf-life (KCP 2.7.5)	CLI Technical Monograph No. 17	Batch no.: FD 190207 0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	Study ongoing and will be provided as soon as possible. Expected by end of Q1 2022. See detailed results in Table 2-2.	Y	[see 2022/2002995 XXX, M. 2022] (This is the 104 week report for Study number 737117_1, with the study continuing to the 156 week data point).	The final Ambient temperature study is currently ongoing, and should be provided upon completion. Study accepted. The HDPE container showed no indications of significant weight loss or physical deterioration that would interfere with the safe handling of the product. No toxicologically, ecotoxicologically or environmentally relevant impurities are formed upon storage, evaluation of this parameter after storage is not necessary. Period of validity: 2 years.
Shelf-life in months (if less than 2 years) (KCP 2.7.6)	---	---	Not required, since the shelf-life is proven to be at least 2 years.	---	---	Ambient temperature study is currently ongoing, and should be provided upon completion.
Wettability (KCP 2.8.1)	---	---	Not applicable to SC formulations.	---	---	-

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference(s)	Acceptability / comments																																																
Persistence of foaming (KCP 2.8.2)	CIPAC MT 47.2	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	<table><tr><th colspan="3">Test conc. [%]</th><th>0.1</th><th>1.0</th></tr><tr><th>Storage temp. [°C]</th><th>Storage time [weeks]</th><th>Time [min]*</th><th>Foam volume [mL]</th><th>Foam volume [mL]</th></tr><tr><td rowspan="4">---</td><td rowspan="4">Initial</td><td>0</td><td>18</td><td>18</td></tr><tr><td>1</td><td>0</td><td>0</td></tr><tr><td>3</td><td>0</td><td>0</td></tr><tr><td>12</td><td>0</td><td>0</td></tr><tr><td rowspan="4">54</td><td rowspan="4">2</td><td>0</td><td>34</td><td>20</td></tr><tr><td>1</td><td>8</td><td>0</td></tr><tr><td>3</td><td>6</td><td>0</td></tr><tr><td>12</td><td>6</td><td>0</td></tr></table> *) Reading at timepoint 0 min is practically done after 10 s	Test conc. [%]			0.1	1.0	Storage temp. [°C]	Storage time [weeks]	Time [min]*	Foam volume [mL]	Foam volume [mL]	---	Initial	0	18	18	1	0	0	3	0	0	12	0	0	54	2	0	34	20	1	8	0	3	6	0	12	6	0	Y	[see 2019/2073795 XXX, M. 2019]	Accepted.										
Test conc. [%]			0.1	1.0																																																		
Storage temp. [°C]	Storage time [weeks]	Time [min]*	Foam volume [mL]	Foam volume [mL]																																																		
---	Initial	0	18	18																																																		
		1	0	0																																																		
		3	0	0																																																		
		12	0	0																																																		
54	2	0	34	20																																																		
		1	8	0																																																		
		3	6	0																																																		
		12	6	0																																																		
Suspensibility (KCP 2.8.3.1)	CIPAC MT 184	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	<table><tr><th colspan="2">Test conc. [%]</th><th colspan="2">0.1</th></tr><tr><th>Storage temp. [°C]</th><th>Storage time [weeks]</th><th colspan="2">Suspensibility [%]</th></tr><tr><th colspan="2">Active ingredients</th><th>BAS 750 F</th><th>BAS 510 F</th></tr><tr><td>---</td><td>Initial</td><td>100</td><td>100</td></tr><tr><td>0</td><td>1</td><td>100</td><td>100</td></tr><tr><td>54</td><td>2</td><td>99</td><td>100</td></tr><tr><th colspan="2">Test conc. [%]</th><th colspan="2">1.0</th></tr><tr><th>Storage temp. [°C]</th><th>Storage time [weeks]</th><th colspan="2">Suspensibility [%]</th></tr><tr><th colspan="2">Active ingredients</th><th>BAS 750 F</th><th>BAS 510 F</th></tr><tr><td>---</td><td>Initial</td><td>100</td><td>100</td></tr><tr><td>0</td><td>1</td><td>100</td><td>100</td></tr><tr><td>54</td><td>2</td><td>99</td><td>100</td></tr></table>	Test conc. [%]		0.1		Storage temp. [°C]	Storage time [weeks]	Suspensibility [%]		Active ingredients		BAS 750 F	BAS 510 F	---	Initial	100	100	0	1	100	100	54	2	99	100	Test conc. [%]		1.0		Storage temp. [°C]	Storage time [weeks]	Suspensibility [%]		Active ingredients		BAS 750 F	BAS 510 F	---	Initial	100	100	0	1	100	100	54	2	99	100	Y	[see 2019/2073795 XXX, M. 2019]	Accepted.
Test conc. [%]		0.1																																																				
Storage temp. [°C]	Storage time [weeks]	Suspensibility [%]																																																				
Active ingredients		BAS 750 F	BAS 510 F																																																			
---	Initial	100	100																																																			
0	1	100	100																																																			
54	2	99	100																																																			
Test conc. [%]		1.0																																																				
Storage temp. [°C]	Storage time [weeks]	Suspensibility [%]																																																				
Active ingredients		BAS 750 F	BAS 510 F																																																			
---	Initial	100	100																																																			
0	1	100	100																																																			
54	2	99	100																																																			
Spontaneity of dispersion (KCP 2.8.3.2)	CIPAC MT 160	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	<table><tr><th colspan="2">Test conc. [%]</th><th colspan="2">1.0</th></tr><tr><th>Storage temp. [°C]</th><th>Storage time [weeks]</th><th colspan="2">Spontaneity of dispersion [%]</th></tr><tr><th colspan="2">Active ingredients</th><th>BAS 750 F</th><th>BAS 510 F</th></tr><tr><td>---</td><td>Initial</td><td>78</td><td>79</td></tr><tr><td>0</td><td>1</td><td>80</td><td>80</td></tr><tr><td>54</td><td>2</td><td>82</td><td>83</td></tr></table>	Test conc. [%]		1.0		Storage temp. [°C]	Storage time [weeks]	Spontaneity of dispersion [%]		Active ingredients		BAS 750 F	BAS 510 F	---	Initial	78	79	0	1	80	80	54	2	82	83	Y	[see 2019/2073795 XXX, M. 2019]	Accepted.																								
Test conc. [%]		1.0																																																				
Storage temp. [°C]	Storage time [weeks]	Spontaneity of dispersion [%]																																																				
Active ingredients		BAS 750 F	BAS 510 F																																																			
---	Initial	78	79																																																			
0	1	80	80																																																			
54	2	82	83																																																			
Dispersion stability (KCP 2.8.3.3)	---	---	Not applicable to SC formulations.	---	---	-																																																

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference(s)	Acceptability / comments																
Degree of dissolution and dilution stability (KCP 2.8.4)	---	---	Not applicable to SC formulations.	---	---	-																
Particle size distribution / nominal size range of granules (KCP 2.8.5.1.1)	CIPAC MT 187	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	<div>The particle size distribution of the suspended test sample in water yields:</div> <table><tr><th>Storage temp. [°C]</th><th>Storage time [weeks]</th><th>d10% [µm]</th><th>d50% [µm]</th><th>d90% [µm]</th></tr><tr><td>---</td><td>Initial</td><td>0.6</td><td>1.4</td><td>3.4</td></tr><tr><td>54</td><td>2</td><td>0.7</td><td>2.1</td><td>6.9</td></tr></table> <div>d10% means: 10 % of total particle volume are smaller than x µm d50% means: 50 % of total particle volume are smaller than x µm d90% means: 90 % of total particle volume are smaller than x µm</div>	Storage temp. [°C]	Storage time [weeks]	d10% [µm]	d50% [µm]	d90% [µm]	---	Initial	0.6	1.4	3.4	54	2	0.7	2.1	6.9	Y	[see 2019/2073795 XXX, M. 2019]	Accepted.	
Storage temp. [°C]	Storage time [weeks]	d10% [µm]	d50% [µm]	d90% [µm]																		
---	Initial	0.6	1.4	3.4																		
54	2	0.7	2.1	6.9																		
Wet sieve test (KCP 2.8.5.1.2)	CIPAC MT 185	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	<table><tr><th>Storage temp. [°C]</th><th>Storage time [weeks]</th><th>Mesh size [µm]</th><th>Retained on sieve [%]</th></tr><tr><td>---</td><td>Initial</td><td>75</td><td>0.00</td></tr><tr><td>0</td><td>1</td><td>75</td><td>0.00</td></tr><tr><td>54</td><td>2</td><td>75</td><td>0.00</td></tr></table>	Storage temp. [°C]	Storage time [weeks]	Mesh size [µm]	Retained on sieve [%]	---	Initial	75	0.00	0	1	75	0.00	54	2	75	0.00	Y	[see 2019/2073795 XXX, M. 2019]	Accepted.
Storage temp. [°C]	Storage time [weeks]	Mesh size [µm]	Retained on sieve [%]																			
---	Initial	75	0.00																			
0	1	75	0.00																			
54	2	75	0.00																			
Dust content (KCP 2.8.5.2.1)	---	---	Not applicable to SC formulations.	---	---	-																
Particle size of dust (KCP 2.8.5.2.2)	---	---	Not applicable to SC formulations.	---	---	-																
Attrition (KCP 2.8.5.3)	---	---	Not applicable to SC formulations.	---	---	-																
Hardness and integrity (KCP 2.8.5.4)	---	---	Not applicable to SC formulations.	---	---	-																
Emulsifiability (KCP 2.8.6.1)	---	---	Not applicable to SC formulations.	---	---	-																
Emulsion stability (KCP 2.8.6.2)	---	---	Not applicable to SC formulations.	---	---	-																
Re-emulsifiability (KCP 2.8.6.3)	---	---	Not applicable to SC formulations.	---	---	-																

Annex point	Method used / deviations	Test material	Findings								GLP Y/N	Reference(s)	Acceptability / comments			
Flowability (KCP 2.8.7.1)	---	---	Not applicable to SC formulations.								---	---	-			
Pourability (KCP 2.8.7.2)	CIPAC MT 148	Batch no.: FD-190207-0001 BAS 750 F:96.2 g/L BAS 510 F:205.2 g/L	<div>Storage temp. [°C]</div> <div>---</div> <div>54</div>		<div>Storage time [weeks]</div> <div>Initial</div> <div>2</div>	Residue [% w/w]								Y	[see 2019/2073795 XXX, M. 2019]	Accepted. Double rinsing is recommended.
Residue		Rinsed residue after 1 st rinse				Rinsed residue after 2 nd rinse										
Poured from																
Glass cylinder	Sales pack	Glass cylinder				Sales pack	Glass cylinder	Sales pack								
5.23	3.44	0.23				0.31	n.d.	0.19								
n.d.	4.26	n.d.				0.64	n.d.	0.24								
n.d. = not determined																
Dustability following accelerated storage (KCP 2.8.7.3)	---	---	Not applicable to SC formulations.								---	---	-			
Physical compatibility of tank mixes (KCP 2.9.1)	ASTM Method: E 1518-05	Batch no.: FD-190124-0017 BAS 750 F:100 g/L BAS 510 F:200 g/L	In total, 6 mixtures of BAS 762 02 F with other plant protection products were tested: Pictor Active (BAS 516 15 F), Biscaya (BAS 9165 1 I), Mospilan SG (BAS 9111 9 I), Avatar (BAS 9157 5 I), Mavrik Flol (BAS 9038 1 I), and Dash EC (BAS 160 00 S). All mixtures were determined to be physically compatible and can be used in spray applications. In all mixtures, no lumping and no flocculation occurred. The mixtures appeared to be homogeneous. Therefore, BAS 762 02 F is apparently physically compatible with the tested products.								N	[see 2019/2037577 XXX, C. 2019]	Accepted. Compatibility has been confirmed.			

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference(s)	Acceptability / comments
Chemical compatibility of tank mixes (KCP 2.9.2)	ASTM Method: E 1518-05	Batch no.: FD-190124-0017 BAS 750 F:100 g/L BAS 510 F:200 g/L	Mefentrifluconazole and boscalid, the active substances of BAS 762 02 F, are stable in diluted aqueous conditions. Therefore, none of the functional groups is likely to react under normal tank mix conditions. In total, 6 mixtures of BAS 762 02 F with other plant protection products were tested: Pictor Active (BAS 516 15 F), Biscaya (BAS 9165 1 I), Mospilan SG (BAS 9111 9 I), Avatar (BAS 9157 5 I), Mavrik Flol (BAS 9038 1 I), and Dash EC (BAS 160 00 S). All of these are approved commercial products for applications in various tank mixtures, as they are sufficiently stable under aqueous conditions. No indication of any chemical reaction between the mixed products was observed. Therefore, BAS 762 02 F is apparently chemically compatible with the tested products.	N	[see 2019/2037577 XXX, C. 2019]	Please refer to the point 2.9.1.
Adhesion to seeds (KCP 2.10.1)	---	---	Not applicable to SC formulations.	---	---	-
Distribution to seeds (KCP 2.10.2)	---	---	Not applicable to SC formulations.	---	---	-
Other / special studies (KCP 2.11)	---	---	---	---	---	-

Table 2-2: Results referring to the point KCP 2.7.5: Storage stability after 2 years at ambient – 1L HDPE-bottle (104 weeks at 25°C).

Test	Initial	104 weeks at 25°C																				
Content of active flufenacet Method AFL0995/01 HPLC/UPLC with UV detection and external standard calibration. For a full validation details please refer to the Section 5.	Mefentrifluconazole: 94.0 g/L Boscalid: 199.8 g/L	Mefentrifluconazole: 99.9 g/L Boscalid: 210.7 g/L																				
Packaging stability (HDPE)	No negative effects observed	No negative effects observed																				
Weight change of unopened container OCSPP 830.6317	<table><tr><th>Storage Temp. [°C]</th><th>Storage time [weeks]</th><th>Weight initial [g]</th><th>Weight after storage [g]</th><th>Weight change [%]</th></tr><tr><td>25</td><td>52</td><td>1223.38</td><td>1222.82</td><td>-0.05</td></tr><tr><td>25</td><td>104</td><td>1222.60</td><td>1221.40</td><td>-0.10</td></tr><tr><td>25</td><td>156</td><td>---</td><td>---</td><td>---</td></tr></table>		Storage Temp. [°C]	Storage time [weeks]	Weight initial [g]	Weight after storage [g]	Weight change [%]	25	52	1223.38	1222.82	-0.05	25	104	1222.60	1221.40	-0.10	25	156	---	---	---
Storage Temp. [°C]	Storage time [weeks]	Weight initial [g]	Weight after storage [g]	Weight change [%]																		
25	52	1223.38	1222.82	-0.05																		
25	104	1222.60	1221.40	-0.10																		
25	156	---	---	---																		
Claying	<table><tr><th>Storage Temp. [°C]</th><th>Storage time [weeks]</th><th>Assessment before inversion</th><th>Assessment after 3 inversions</th></tr><tr><td>-</td><td>initial</td><td>small amount of supernatant layer (< 1cm); no sediment</td><td>completely homogenous; no sediment</td></tr><tr><td>25</td><td>52</td><td>13% v/v supernatant; no sediment</td><td>small amount of supernatant layer (< 1cm)*; no sediment</td></tr><tr><td>25</td><td>104</td><td>21% v/v supernatant; no sediment</td><td>small amount of supernatant layer (< 1cm)²; no sediment</td></tr><tr><td>25</td><td>156</td><td>---</td><td>---</td></tr></table> <p>*) completely homogenous after 4 inversions 2) completely homogenous after 6 inversions</p>		Storage Temp. [°C]	Storage time [weeks]	Assessment before inversion	Assessment after 3 inversions	-	initial	small amount of supernatant layer (< 1cm); no sediment	completely homogenous; no sediment	25	52	13% v/v supernatant; no sediment	small amount of supernatant layer (< 1cm)*; no sediment	25	104	21% v/v supernatant; no sediment	small amount of supernatant layer (< 1cm) ² ; no sediment	25	156	---	---
Storage Temp. [°C]	Storage time [weeks]	Assessment before inversion	Assessment after 3 inversions																			
-	initial	small amount of supernatant layer (< 1cm); no sediment	completely homogenous; no sediment																			
25	52	13% v/v supernatant; no sediment	small amount of supernatant layer (< 1cm)*; no sediment																			
25	104	21% v/v supernatant; no sediment	small amount of supernatant layer (< 1cm) ² ; no sediment																			
25	156	---	---																			

Test	Initial	104 weeks at 25°C																																																																																																																
Pack Appearance OCSPP 830.6317	<table><tr><th>Storage Temp. [°C]</th><th>Storage time [weeks]</th><th colspan="2">Pack appearance</th></tr><tr><td></td><td></td><th>Initial</th><th>after storage</th></tr><tr><td>25</td><td>52</td><td>There is no influence of the product on the original container.</td><td>There is no influence of the product on the original container.</td></tr><tr><td>25</td><td>104</td><td>There is no influence of the product on the original container.</td><td>There is no influence of the product on the original container.</td></tr><tr><td>25</td><td>156</td><td>---</td><td>---</td></tr></table>		Storage Temp. [°C]	Storage time [weeks]	Pack appearance				Initial	after storage	25	52	There is no influence of the product on the original container.	There is no influence of the product on the original container.	25	104	There is no influence of the product on the original container.	There is no influence of the product on the original container.	25	156	---	---																																																																																												
Storage Temp. [°C]	Storage time [weeks]	Pack appearance																																																																																																																
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25	52	There is no influence of the product on the original container.	There is no influence of the product on the original container.																																																																																																															
25	104	There is no influence of the product on the original container.	There is no influence of the product on the original container.																																																																																																															
25	156	---	---																																																																																																															
Corrosion OCSPP 830.6320	<table><tr><th>Storage Temp. [°C]</th><th>Storage time [weeks]</th><th>Corrosion</th></tr><tr><td>-</td><td>initial</td><td>No corrosion, seal intact and no peculiarities inside of the original container were observed.</td></tr><tr><td>25</td><td>52</td><td>No corrosion, seal intact and no peculiarities inside of the original container were observed.</td></tr><tr><td>25</td><td>104</td><td>No corrosion, seal intact and no peculiarities inside of the original container were observed.</td></tr><tr><td>25</td><td>156</td><td>---</td></tr></table>		Storage Temp. [°C]	Storage time [weeks]	Corrosion	-	initial	No corrosion, seal intact and no peculiarities inside of the original container were observed.	25	52	No corrosion, seal intact and no peculiarities inside of the original container were observed.	25	104	No corrosion, seal intact and no peculiarities inside of the original container were observed.	25	156	---																																																																																																	
Storage Temp. [°C]	Storage time [weeks]	Corrosion																																																																																																																
-	initial	No corrosion, seal intact and no peculiarities inside of the original container were observed.																																																																																																																
25	52	No corrosion, seal intact and no peculiarities inside of the original container were observed.																																																																																																																
25	104	No corrosion, seal intact and no peculiarities inside of the original container were observed.																																																																																																																
25	156	---																																																																																																																
Appearance Visual examination OCSPP 830.6303 OCSPP 830.6302 OCSPP 830.6304	Physical state: liquid Colour: light beige Odour: moderate sweet	Physical state: liquid Colour: light beige Odour: moderate sweet																																																																																																																
pH-value (at room temperature) CIPAC Handbook MT 75.3 OCSPP 830.7000	<p>pH value</p> <table><tr><td colspan="2">Dilution</td><td colspan="2">medium</td><td colspan="2">pure water</td><td colspan="2">CIPAC Water D</td><td colspan="2">none</td><td colspan="2">pure water</td><td colspan="2">CIPAC Water D</td></tr><tr><td colspan="2">Test Conc.</td><td colspan="2">[%]</td><td colspan="2">---</td><td colspan="2">---</td><td colspan="2">undiluted</td><td colspan="2">1.0</td><td colspan="2">1.0</td></tr><tr><td>Storage Temp.</td><td>Storage time</td><td>Test Temp.</td><td>pH</td><td>Test Temp.</td><td>pH</td><td>Test Temp.</td><td>pH</td><td>Test Temp.</td><td>pH</td><td>Test Temp.</td><td>pH</td><td>Test Temp.</td><td>pH</td></tr><tr><td>[°C]</td><td>[weeks]</td><td>[°C]</td><td></td><td>[°C]</td><td></td><td>[°C]</td><td></td><td>[°C]</td><td></td><td>[°C]</td><td></td><td>[°C]</td><td></td></tr><tr><td>-</td><td>Initial</td><td>24</td><td>6.0</td><td>24</td><td>6.2</td><td>24</td><td>7.8</td><td>24</td><td>8.0</td><td>24</td><td>6.8</td><td></td><td></td></tr><tr><td>25</td><td>52</td><td>23</td><td>5.8</td><td>23</td><td>6.3</td><td>24</td><td>7.6</td><td>24</td><td>7.9</td><td>24</td><td>6.8</td><td></td><td></td></tr><tr><td>25</td><td>104</td><td>23</td><td>5.8</td><td>23</td><td>6.7</td><td>23</td><td>7.2</td><td>23</td><td>6.7</td><td>24</td><td>6.9</td><td></td><td></td></tr><tr><td>25</td><td>156</td><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td><td></td></tr></table>		Dilution		medium		pure water		CIPAC Water D		none		pure water		CIPAC Water D		Test Conc.		[%]		---		---		undiluted		1.0		1.0		Storage Temp.	Storage time	Test Temp.	pH	Test Temp.	pH	Test Temp.	pH	Test Temp.	pH	Test Temp.	pH	Test Temp.	pH	[°C]	[weeks]	[°C]		[°C]		[°C]		[°C]		[°C]		[°C]		-	Initial	24	6.0	24	6.2	24	7.8	24	8.0	24	6.8			25	52	23	5.8	23	6.3	24	7.6	24	7.9	24	6.8			25	104	23	5.8	23	6.7	23	7.2	23	6.7	24	6.9			25	156	---	---	---	---	---	---	---	---	---	---		
Dilution		medium		pure water		CIPAC Water D		none		pure water		CIPAC Water D																																																																																																						
Test Conc.		[%]		---		---		undiluted		1.0		1.0																																																																																																						
Storage Temp.	Storage time	Test Temp.	pH	Test Temp.	pH	Test Temp.	pH	Test Temp.	pH	Test Temp.	pH	Test Temp.	pH																																																																																																					
[°C]	[weeks]	[°C]		[°C]		[°C]		[°C]		[°C]		[°C]																																																																																																						
-	Initial	24	6.0	24	6.2	24	7.8	24	8.0	24	6.8																																																																																																							
25	52	23	5.8	23	6.3	24	7.6	24	7.9	24	6.8																																																																																																							
25	104	23	5.8	23	6.7	23	7.2	23	6.7	24	6.9																																																																																																							
25	156	---	---	---	---	---	---	---	---	---	---																																																																																																							

Test	Initial	104 weeks at 25°C																																																																		
Relative density EC A.3 OECD 109 OCSPP 830.7300	D4 ²⁰ 1.136	D4 ²⁰ 1.139																																																																		
Viscosity OCSPP 830.7100 CIPAC MT 192 OECD Test Guideline 114	<div>Viscosity<table><tr><th colspan="2">Meas. temp [°C] 20</th><th colspan="5">Dynamic Viscosity [mPas]</th></tr><tr><th>Storage Temp. [°C]</th><th>Storage time [weeks]</th><th>at D = 1s⁻¹</th><th>at D = 10s⁻¹</th><th>at D = 100s⁻¹</th><th>at D = 200s⁻¹</th><th>Flow behaviour</th></tr><tr><td>-</td><td>Initial</td><td>3988</td><td>825</td><td>228</td><td>164</td><td>sheer thinning</td></tr><tr><td>25</td><td>52</td><td>3733</td><td>791</td><td>217</td><td>157</td><td>sheer thinning</td></tr><tr><td>25</td><td>104</td><td>3946</td><td>838</td><td>228</td><td>164</td><td>sheer thinning</td></tr><tr><td>25</td><td>156</td><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td></tr></table></div>		Meas. temp [°C] 20		Dynamic Viscosity [mPas]					Storage Temp. [°C]	Storage time [weeks]	at D = 1s ⁻¹	at D = 10s ⁻¹	at D = 100s ⁻¹	at D = 200s ⁻¹	Flow behaviour	-	Initial	3988	825	228	164	sheer thinning	25	52	3733	791	217	157	sheer thinning	25	104	3946	838	228	164	sheer thinning	25	156	---	---	---	---	---																								
Meas. temp [°C] 20		Dynamic Viscosity [mPas]																																																																		
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25	104	3946	838	228	164	sheer thinning																																																														
25	156	---	---	---	---	---																																																														
Persistence of foam CIPAC Handbook MT 47.3 0.1% and 1.0% in CIPAC water D	<div>Foam persistence (CIPAC method)<table><tr><th>Test Conc.</th><th>[%]</th><th></th><th>0.1</th><th>1.0</th></tr><tr><th>Storage Temp. [°C]</th><th>Storage time [weeks]</th><th>time [min] *</th><th>Foam volume [ml]</th><th>Foam volume [ml]</th></tr><tr><td rowspan="4">-</td><td rowspan="4">Initial</td><td>0</td><td>18</td><td>18</td></tr><tr><td>1</td><td>0</td><td>0</td></tr><tr><td>3</td><td>0</td><td>0</td></tr><tr><td>12</td><td>0</td><td>0</td></tr><tr><td rowspan="4">25</td><td rowspan="4">52</td><td>0</td><td>34</td><td>26</td></tr><tr><td>1</td><td>0</td><td>0</td></tr><tr><td>3</td><td>0</td><td>0</td></tr><tr><td>12</td><td>0</td><td>0</td></tr><tr><td rowspan="4">25</td><td rowspan="4">104</td><td>0</td><td>34</td><td>22</td></tr><tr><td>1</td><td>10</td><td>0</td></tr><tr><td>3</td><td>0</td><td>0</td></tr><tr><td>12</td><td>0</td><td>0</td></tr><tr><td rowspan="4">25</td><td rowspan="4">156</td><td>0</td><td>---</td><td>---</td></tr><tr><td>1</td><td>---</td><td>---</td></tr><tr><td>3</td><td>---</td><td>---</td></tr><tr><td>12</td><td>---</td><td>---</td></tr></table></div> <div>*) reading at timepoint '0 min' is practically done after 10 s</div>		Test Conc.	[%]		0.1	1.0	Storage Temp. [°C]	Storage time [weeks]	time [min] *	Foam volume [ml]	Foam volume [ml]	-	Initial	0	18	18	1	0	0	3	0	0	12	0	0	25	52	0	34	26	1	0	0	3	0	0	12	0	0	25	104	0	34	22	1	10	0	3	0	0	12	0	0	25	156	0	---	---	1	---	---	3	---	---	12	---	---
Test Conc.	[%]		0.1	1.0																																																																
Storage Temp. [°C]	Storage time [weeks]	time [min] *	Foam volume [ml]	Foam volume [ml]																																																																
-	Initial	0	18	18																																																																
		1	0	0																																																																
		3	0	0																																																																
		12	0	0																																																																
25	52	0	34	26																																																																
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		12	0	0																																																																
25	104	0	34	22																																																																
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		12	0	0																																																																
25	156	0	---	---																																																																
		1	---	---																																																																
		3	---	---																																																																
		12	---	---																																																																

Test	Initial		104 weeks at 25°C	
Suspensibility MT 184.1	0.01% in CIPAC standard water D			
	Test Conc. [%]		0.1	
	Storage Temp. [°C]	Storage time [weeks]	Suspensibility [%]	
	Active ingredient(s)		Mefentrifluconazole (Reg.No. 5834378)	Boscalid (Reg.No. 300355)
	-	Initial	100	100
	25	52	100	101
	25	104	100	100
	25	156	---	---
	1.0% in CIPAC standard water D			
	Test Conc. [%]		1.0	
Storage Temp. [°C]	Storage time [weeks]	Suspensibility [%]		
Active ingredient(s)		Mefentrifluconazole (Reg.No. 5834378)	Boscalid (Reg.No. 300355)	
-	Initial	100	100	
25	52	100	100	
25	104	99	100	
25	156	---	---	
Spontaneity of dispersion CIPAC Handbook MT 160	Test Conc. [%]		1.0	
	Storage Temp. [°C]	Storage time [weeks]	Spontaneity of dispersion [%]	
	Active ingredient(s)		Mefentrifluconazole (Reg.No. 5834378)	Boscalid (Reg.No. 300355)
	-	Initial	78	79
	25	52	87	87
	25	104	91	92
	25	156	---	---

Test	Initial				104 weeks at 25°C																																									
Wet sieving CIPAC Handbook MT 185	<table><tr><td>StorageTemp. [°C]</td><td>Storage time [weeks]</td><td>Mesh size [µm]</td><td colspan="2">retained on sieve [%]</td></tr><tr><td>-</td><td>Initial</td><td>75</td><td colspan="2">0.00</td></tr><tr><td>25</td><td>52</td><td>75</td><td colspan="2">0.00</td></tr><tr><td>25</td><td>104</td><td>75</td><td colspan="2">0.00</td></tr><tr><td>25</td><td>156</td><td>75</td><td colspan="2">---</td></tr></table>				StorageTemp. [°C]	Storage time [weeks]	Mesh size [µm]	retained on sieve [%]		-	Initial	75	0.00		25	52	75	0.00		25	104	75	0.00		25	156	75	---																		
StorageTemp. [°C]	Storage time [weeks]	Mesh size [µm]	retained on sieve [%]																																											
-	Initial	75	0.00																																											
25	52	75	0.00																																											
25	104	75	0.00																																											
25	156	75	---																																											
Particle size distribution CIPAC Handbook MT 187 OCSPP 830.7520	d(0.1): 0.6 µm				d(0.1): 0.6 µm																																									
	d(0.5): 1.4 µm				d(0.5): 1.5 µm																																									
	d(0.9): 3.4 µm				d(0.9): 3.8 µm*																																									
Pourability CIPAC Handbook MT 148 Residue First rinsed residue Second rinsed residue	<table><tr><td colspan="2" rowspan="2"></td><td colspan="3">Residue [% w/w]</td></tr><tr><td>Poured residue</td><td>Rinsed residue after 1st rinse</td><td>Rinsed residue after 2nd rinse</td></tr><tr><td>Storage Temp. [°C]</td><td>Storage time [weeks]</td><td colspan="3">Poured from</td></tr><tr><td></td><td></td><td>Sales pack</td><td>Sales pack</td><td>Sales pack</td></tr><tr><td>-</td><td>Initial</td><td>3.44</td><td>0.31</td><td>0.19</td></tr><tr><td>25</td><td>52</td><td>2.96</td><td>0.20</td><td>n.d.</td></tr><tr><td>25</td><td>104</td><td>3.23</td><td>0.14</td><td>n.d.</td></tr><tr><td>25</td><td>156</td><td>---</td><td>---</td><td>---</td></tr></table>						Residue [% w/w]			Poured residue	Rinsed residue after 1 st rinse	Rinsed residue after 2 nd rinse	Storage Temp. [°C]	Storage time [weeks]	Poured from					Sales pack	Sales pack	Sales pack	-	Initial	3.44	0.31	0.19	25	52	2.96	0.20	n.d.	25	104	3.23	0.14	n.d.	25	156	---	---	---				
		Residue [% w/w]																																												
		Poured residue	Rinsed residue after 1 st rinse	Rinsed residue after 2 nd rinse																																										
Storage Temp. [°C]	Storage time [weeks]	Poured from																																												
		Sales pack	Sales pack	Sales pack																																										
-	Initial	3.44	0.31	0.19																																										
25	52	2.96	0.20	n.d.																																										
25	104	3.23	0.14	n.d.																																										
25	156	---	---	---																																										
	n.d.: not determined																																													

Section 3 is presented as a separate document

Please refer to the separate file “dRR Part B3”.

3 **Section 4: Further information on the plant protection product**

Safety intervals and other precautions to protect humans, animals and the environment (KCP 4.1)

Recommended methods and precautions (KCP 4.2)

Comments of zRMS:	Taking in to account the results of the pourability study double rinsing with tap water is recommended.
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Reference:	CP 4.2/1
Report	Effectiveness of procedures for cleaning application equipment and protective clothing BAS 762 02 F, XXX, C., 2019 report No 737103 2019/2044222 Authority registration No
Guideline(s):	DIN EN ISO 16119-2, EPPO PP 1/292 (1)
Deviations:	No
GLP:	No, not subject to GLP regulations
Acceptability:	Yes

Common agricultural practice implies cleaning of application equipment directly after use. If the field sprayer is cleaned with water immediately after the use of BAS 762 02 F, even in the most unfavourable case, the contamination in the immediately following application is negligible. Therefore, cleaning the sprayer solely with water may be regarded as completely adequate. It is not necessary to add cleaning agents.

Protective clothing will be cleaned effectively when washed with usual laundry detergents.

Emergency measures in the case of an accident (KCP 4.3)

Comments of zRMS:	Please refer to the data contained in the safety data sheet.
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Reference:	CP 4.3/1
Report	Safety data sheet - Revydas, Anonymous, 2021 report No Version 1.0 2021/2004277 Authority registration No
Guideline(s):	EC 1907/2006
Deviations:	No
GLP:	No, not subject to GLP regulations
Acceptability:	Yes/No/Supplementary

The safety data sheet contains advice for emergency measures in the case of an accident with BAS 762 02 F.

3.1 Packaging and compatibility with the preparation (KCP 4.4)

BAS 762 02 F is to be marketed in blow moulded high-density polyethylene (HDPE or f-HDPE) containers with a minimum wall thickness of 0.7 mm. They are sealed by either foil seals or a gasket, protected by a polyethylene screw cap.

Table 4.1-1: Packaging information for 0.15 litre bottle

Type	Description
Material	HDPE or f-HDPE
Shape / size	Cylindrical / approximately 63 mm diameter x 92 mm
Opening	42 mm inner diameter
Closure	Screw cap
Seal	HF seal

Table 4.1-2: Packaging information for 0.25 litre bottle

Type	Description
Material	HDPE or f-HDPE
Shape / size	Cylindrical / approximately 63 mm diameter x 126 mm
Opening	42 mm inner diameter
Closure	Screw cap
Seal	HF seal

Table 4.1-3: Packaging information for 0.5 litre bottle

Type	Description
Material	HDPE or f-HDPE
Shape / size	Cylindrical / approximately 69 mm diameter x 185.5 mm
Opening	42 mm inner diameter
Closure	Screw cap
Seal	HF seal

Table 4.1-4: Packaging information for 1 litre bottle

Type	Description
Material	HDPE or f-HDPE
Shape / size	Cylindrical / approximately 88.5 mm diameter x 234 mm
Opening	42 mm inner diameter
Closure	Screw cap
Seal	Induction sealed

Table 4.1-5: Packaging information for 1 litre eco-bottle

Type	Description
Material	HDPE or f-HDPE
Shape / size	Cylindrical / approximately 88.5 mm diameter x 234 mm
Opening	54 mm inner diameter
Closure	Screw cap
Seal	Gasket

Table 4.1-6: Packaging information for 5 litre container

Type	Description
Material	HDPE or f-HDPE
Shape / size	Rectangular / approximately 190 mm x 140 mm x 313 mm
Opening	54 mm inner diameter
Closure	Screw cap
Seal	HF seal

Table 4.1-7: Packaging information for 5 litre eco-container

Type	Description
Material	HDPE or f-HDPE
Shape / size	Rectangular / approximately 185 mm x 136 mm x 313 mm
Opening	54 mm inner diameter
Closure	Screw cap
Seal	Gasket

Table 4.1-8: Packaging information for 10 litre container

Type	Description
Material	HDPE or f-HDPE
Shape / size	Rectangular / approximately 230 mm x 165 mm x 375 mm
Opening	54 mm inner diameter
Closure	Screw cap
Seal	Induction sealed

Table 4.1-9: Packaging information for 10 litre eco-container

Type	Description
Material	HDPE or f-HDPE
Shape / size	Rectangular / approximately 230 mm x 187 mm x 358 mm
Opening	54 mm inner diameter
Closure	Screw cap
Seal	Gasket

Table 4.1-10: Packaging information for 20 litre eco-container

Type	Description
Material	HDPE or f-HDPE
Shape / size	Rectangular / approximately 285 mm x 237 mm x 424 mm
Opening	52 mm inner diameter
Closure	Screw cap + valve
Seal	Gasket

Table 4.1-11: Packaging information for 50 litre eco-container

Type	Description
Material	HDPE or f-HDPE
Shape / size	Cylindrical / approximately 380 mm x 618 mm (d x h)
Opening	52 mm inner diameter
Closure	Screw cap + valve
Seal	Gasket

The pack complies with ADR/RID regulations having been tested using the test methods in accordance with ADR appropriate to the pack type, material, classification of the contents and an appropriate UN certificate issued. They are labelled individually with all use instructions.

Comments of zRMS:	Ambient temperature study is currently ongoing, will be provided upon completion. The results of the accelerated storage stability study and 2 years at ambient temperature stability study indicate a shelf life of at least 2 years at ambient temperature when stored in HDPE. Extrapolation from HDPE to HDPE/F is acceptable.
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Reference: CP 4.4/1

Report BAS 762 02 F EU Performance Test Packaging made of HDPE,
XXX, B., 2019
report No 219.0084.0027TB01
2019/1039588
Authority registration No

Guideline(s): APD/RID

Deviations: No

GLP: No, not subject to GLP regulations

Acceptability: Yes

The damaging effects of BAS 762 02 F on the test specimen made of HDPE do not exceed the damaging effects of the Model liquid Pfl-Fr 2344. The chemical compatibility of HDPE with the intended product in comparison with Model liquid Pfl-Fr 2344 is verified.

Rate of permeation < 0.008 g/lh approved.

BAS 762 02 F can be packed in packaging made of HDPE, in case where there is an UN approval for this packaging for Model liquid Pfl-Fr 2344 and there is no conflict with other transport regulations. The maximum allowable values of vapour pressure and density, given in the certificate of approval, may not be exceeded.

3.2 Procedures for the destruction or decontamination of the plant protection product and its packaging (KCP 4.5)

Comments of zRMS:	Please refer to the data contained in the safety data sheet.
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Reference:	CP 4.5/1
Report	Safety data sheet - Revydas, Anonymous, 2021 report No Version 1.0 2021/2004277 Authority registration No
Guideline(s):	EC 1907/2006 (If none, give justification, e.g., “ no guidelines available” or “ methods used comparable to guideline(s) xxx”)
Deviations:	No
GLP:	No, not subject to GLP regulations
Acceptability:	Yes

The safety data sheet contains advice for the destruction or decontamination of BAS 762 02 F and its packaging.

3.2.1 Neutralisation procedure (KCP 4.5.1)

The pH of BAS 762 02 F has been determined to be 6.0-8.0 for an 1 % aqueous solution. Therefore, the proposal of a neutralisation procedure is not considered to be necessary. Any spilled product and contaminated soil or water has to be absorbed and disposed according to the use instructions.

3.2.2 Controlled incineration (KCP 4.5.2)

For purposes of disposal, combustion of BAS 762 02 F in a licensed incinerator is recommended. This method of disposal applies also to contaminated packaging that cannot be cleaned or reused.

Although it is possible to incinerate the product at lower temperatures, combustion at approximately 1100 °C with a residence time of about 2 s is advised. By doing so, i.e. operating the incinerator according to the conditions laid down in council directive 94/67/EEC respectively directive 2000/76/EC of the European Parliament, one will achieve complete combustion and minimise the formation of undesired by-products in the off-gases.

Due to the halogen content in the active ingredients and the formulants of less than 60 %, combustion of BAS 762 02 F in a waste incinerator plant does not raise concern about the formation of halogenated dibenzodioxins / -furans.

To minimise waste of packaging, it is recommended that empty and rinsed containers be delivered to local container collection stations. If these do not exist, empty and rinsed containers must be rendered unusable and disposed of according to the local regulations.

Appendix 1 Lists of data considered in support of the evaluation

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 2.1/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.2.1/1	XXX, J.	2019	Determination of physico-chemical properties according to UN Transport Regulation and Directive 94/37/EC (Regulation (EC) No. 440/2008) 2019/1039586 consilab Gesellschaft fuer Anlagensicherheit mbH, Frankfurt/Main, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.2.2/1	XXX, J.	2019	Determination of physico-chemical properties according to UN Transport Regulation and Directive 94/37/EC (Regulation (EC) No. 440/2008) 2019/1039586 consilab Gesellschaft fuer Anlagensicherheit mbH, Frankfurt/Main, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.3.1/1	XXX, J.	2019	Determination of physico-chemical properties according to UN Transport Regulation and Directive 94/37/EC (Regulation (EC) No. 440/2008) 2019/1039586 consilab Gesellschaft fuer Anlagensicherheit mbH, Frankfurt/Main, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.3.3/1	XXX, J.	2019	Determination of physico-chemical properties according to UN Transport Regulation and Directive 94/37/EC (Regulation (EC) No. 440/2008) 2019/1039586 consilab Gesellschaft fuer Anlagensicherheit mbH, Frankfurt/Main, Germany Fed.Rep. yes Unpublished	No	BASF

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 2.4.2/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.5.1/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.5.2/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.6.1/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.7.1/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF

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 2.7.4/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.7.5/1	XXX, M.	2022	Physical and Chemical Properties of BAS 762 02 F: Storage stability for up to 156 weeks at 25°C in HDPE packs - 104 week report – 2022/2002995 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.8.2/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.8.3.1/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.8.3.2/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF

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 2.8.5.1.1/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.8.5.1.2/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.8.7.2/1	XXX, M.	2019	Physical and chemical properties of BAS 762 02 F including low temperature stability (7 days at 0°C) and accelerated storage stability (14 days at 54°C) 2019/2073795 BASF SE, Limburgerhof, Germany Fed.Rep. yes Unpublished	No	BASF
KCP 2.9.1/1	XXX, C.	2019	Physical and Chemical Compatibility in Aqueous Tank Mixtures of BAS 762 02 F 2019/2037577 BASF SE, Limburgerhof, Germany Fed.Rep. no Unpublished	No	BASF
KCP 2.9.2/1	XXX, C.	2019	Physical and Chemical Compatibility in Aqueous Tank Mixtures of BAS 762 02 F 2019/2037577 BASF SE, Limburgerhof, Germany Fed.Rep. no Unpublished	No	BASF
KCP 4.2/1	XXX, C.	2019	Effectiveness of procedures for cleaning application equipment and protective clothing BAS 762 02 F 2019/2044222 BASF SE, Limburgerhof, Germany Fed.Rep. no Unpublished	No	BASF

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 4.3/1	Anonymous	2021	Safety data sheet - Revydas 2021/2004277 BASF SE, Ludwigshafen/Rhein, Germany Fed.Rep. no Unpublished	No	BASF
KCP 4.4/1	XXX, B.	2019	BAS 762 02 F EU Performance Test Packaging made of HDPE 2019/1039588 BASF SE, Ludwigshafen, Germany Fed.Rep. no Unpublished	No	BASF
KCP 4.5/1	Anonymous	2021	Safety data sheet - Revydas 2021/2004277 BASF SE, Ludwigshafen/Rhein, Germany Fed.Rep. no Unpublished	No	BASF

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

BAS 762 02 F is a new product, no product studies has been evaluated previously.

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 and 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
-	-	-	-	-	-

Appendix 2 Additional data on the physical, chemical and technical properties of the active substance

A 2.1 Mefentrifluconazole

Not applicable.

A 2.2 Boscalid

Not applicable.