

REGISTRATION REPORT

Part A

Risk Management

Product code: BM 20 WP Blue

**Product name(s): BOUILLIE BORDELAISE VALLES,
BORDOCURE, CUPERVAL 20 WPBOUILLIE
BORDELAISE VALLÉS BLEUE**

Chemical active substance:

copper, 200 g/kg

Southern Zone & Interzonal

Zonal Rapporteur Member State: France

NATIONAL ASSESSMENT FRANCE

(authorisation renewal)

Professional uses

Applicant: Industrias Químicas del Vallés S.A. (IQV)

Date: 15/07/2025

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PART A

RISK MANAGEMENT

1 Details of the application

The company INDUSTRIAS QUÍMICAS DEL VALLÉS S.A. has requested a marketing authorisation in France for the product BOUILLIE BORDELAISE VALLES formerly BOUILLIE BORDELAISE UPL (formulation code: BM 20 WP Blue), containing 200 g/kg copper¹ (in the form of 733,4 g/kg Bordeaux mixture (CAS n° 8011-63-0)) as a fungicide and bactericide for professional uses.

Appendix 1 of this document provides a copy of the product authorisation.

Appendix 2 of this document contains a copy of the product label (draft as proposed by the applicant).

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1.1 Application background

The present registration report concerns the evaluation of INDUSTRIAS QUÍMICAS DEL VALLÉS S.A.'s application submitted on 01/04/2019 to market BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) in France (product uses described under point 2.3). France acted as a zonal Rapporteur Member State (zRMS) for field uses and interzonal Rapporteur Member State (izRMS) for greenhouse uses for this request and assessed the application submitted for the re-registration of authorisation after the renewal of approval of the active substances copper compounds of this product in France and in other Member States (MSs) of the European Union.

The present application (2019-3079) was evaluated in France by the French Agency for Food, Environmental and Occupational Health & Safety (Anses), according to the Regulation (EC) n° 1107/2009², the implementing regulations, and French regulations. This application was assessed in the context of the zonal procedure for all MSs of the Southern zone for field uses and for all MSs of the European Union for greenhouse uses, taking into account the worst-case uses ("risk envelope approach")³. When risk mitigation measures were necessary, they are adapted to the situation in France.

The data taken into account are those deemed to be valid either at European level (Review Report and EFSA conclusion) or at zonal/national level. The assessment of BOUILLIE BORDELAISE VALLES has been made using endpoints agreed in the EU peer review of copper compounds. It also includes assessment of data and information related to BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) where those data have not been considered in the EU peer review process.

¹ COMMISSION IMPLEMENTING REGULATION (EU) 2018/1981 of 13 December 2018 renewing the approval of the active substances copper compounds, as candidates for substitution, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council concerning the placing of plant protection products on the market, and amending the Annex to Commission Implementing Regulation (EU) No 540/2011

² REGULATION (EC) No 1107/2009 of the European Parliament and of the Council of 21 October 2009 concerning the placing of plant protection products on the market and repealing Council Directives 79/117/EEC and 91/414/EEC

³ SANCO document "risk envelope approach", European Commission (14 March 2011). [Guidance document on the preparation and submission of dossiers for plant protection products according to the "risk envelope approach"; SANCO/11244/2011 rev. 5](#)

The conclusions of the assessment published by EFSA 2018^{4,5}, as part of the procedure for the renewal of the approval of copper compounds, based on the available information, identify risk for non-target organisms for the representative uses on grapevine, cucurbits and tomatoes, as well as to workers for the grapevine use.

In the framework of MRL review for copper compounds under Article 12 of Regulation (CE) 396/2005, EFSA published a reasoned opinion (EFSA, 2018⁶). Based on an evaluation of the available data MRL have been proposed and a consumer risk assessment has been conducted. Some information required by the regulation has not been transmitted and a chronic risk for the consumers was identified. Therefore the consumer risk assessment is only tentative and some of the proposed MRL still require a decision by risk managers. Exposure reduction measures could also be investigated.

This part A of the RR presents a summary of essential scientific points upon which recommendations are based and is not intended to show the assessment in detail. The risk assessment conclusions provided in this document are based on the information, data and assessments provided in the Registration Report, Part B Sections 1-10 and Part C, and where appropriate the addendum for France.

The conclusions on the acceptability of risk are based on the criteria provided in Regulation (EU) No 546/2011⁷, and are expressed as “acceptable” or “not acceptable” in accordance with those criteria.

This document also describes the specific conditions of use and labelling required for France for the registration of BOUILLIE BORDELAISE VALLES (BM 20 WP Blue).

1.2 Letters of Access

The applicant is the owner of data which support the renewal of approval of the active substance. The applicant has provided letters of access for active substance and PPP data. These letters of access are available upon request.

1.3 Justification for submission of tests and studies

According to the applicant: *“The new studies afforded in this dossier, not previously assessed, provided in this dossier are necessary according to the requirements and guidelines into force which didn’t exist when the product was assessed by Uniform Principles in the past.”*

1.4 Data protection claims

Where protection for data is being claimed for information supporting registration of BOUILLIE BORDELAISE VALLES, it is indicated in the reference lists in Appendix 1 of the Registration Report, Part B Sections 1-7. » ou par « There is no new data submitted with this application”.

⁴ Peer review of the pesticide risk assessment of the active substance copper compounds Copper(I), copper(II) variants namely copper hydroxide, copper oxychloride, tribasic copper sulfate, copper(I) oxide, Bordeaux mixture, EFSA Journal 2018;16(1):515

⁵ Outcome of the consultation with Member States, the applicant and EFSA on the pesticide risk assessment for copper compounds copper(I), copper(II) variants namely copper hydroxide, copper oxychloride, tribasic copper sulfate, copper(I) oxide, Bordeaux mixture in light of confirmatory data. EFSA supporting publication 2018:EN-1486.

⁶ REASONED OPINION ADOPTED: 1 March 2018. Review of the existing maximum residue levels for copper compounds according to Article 12 of Regulation (EC) No 396/2005 European Food Safety Authority (EFSA).

⁷ COMMISSION REGULATION (EU) No 546/2011 of 10 June 2011 implementing Regulation (EC) No 1107/2009 of the European Parliament and of the Council as regards uniform principles for evaluation and authorisation of plant protection products

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2 Details of the authorisation decision

2.1 Product identity

Product code	BM 20 WP Blue
Product name in MS	BOUILLIE BORDELAISE VALLES
Authorisation number	- <i>N/A : marketing authorisation withdrawn</i>
Kind of use	Professional use
Low risk product (article 47)	No
Function	Fungicide and bactericide
Applicant	INDUSTRIAS QUÍMICAS DEL VALLÉS S.A.
Active substance(s) (incl. content)	copper, 200 g/kg
Formulation type	Wettable powder [WP]
Coformulants of concern for national authorisations	-
Restrictions related to identity	-
Mandatory tank mixtures	None
Recommended tank mixtures	None

2.2 Conclusion

The evaluation of the application for BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) resulted in the decision to **withdraw** the authorisation.

2.3 Substances of concern for national monitoring

Refer to 5.1.1.

2.4 Classification and labelling

2.4.1 Classification and labelling under Regulation (EC) No 1272/2008

The following classification is proposed in accordance with Regulation (EC) No 1272/2008:

Hazard class(es), categories:	Acute toxicity (inhalation), category 4 Hazardous to the aquatic environment - Acute Hazard, category 1 Hazardous to the aquatic environment - Chronic Hazard, category 1
Hazard pictograms:	  GHS07 GHS09

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Signal word:	Warning
Hazard statement(s):	H332: Harmful if inhaled. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long-lasting effects.
Precautionary statement(s):	<i>For the P phrases, refer to the existing legislation</i>
Additional labelling phrases:	none

See Part C for justifications of the classification and labelling proposals.

2.4.2 Standard phrases under Regulation (EU) No 547/2011

N/A : marketing authorisation withdrawn

2.4.3 Other phrases (according to Article 65 (3) of the Regulation (EU) No 1107/2009)

None.

2.5 Risk management

According to the French law and procedures, specific conditions of use are set out in the Decision letter. The French Order of 4 May 2017⁸ provides that:

- unless otherwise stated in the product authorisation, the pre harvest interval (PHI) is at least 3 days;
- unless otherwise stated in the product authorisation, the minimum buffer zone alongside a water body is 5 metres for products applied through spraying or dusting;
- unless otherwise stated in the product authorisation, the minimum re-entry period is 6 hours for field uses and 8 hours for indoor uses.

Drift reduction measures such as low-drift nozzles are not considered within the decision-making process in France. However, non-spraying buffer zones may be reduced under some circumstances as explained in appendix 3 of the above-mentioned French Order.

Finally, the French Order of 26 March 2014⁹ provides that:

- an authorisation granted for a “reference” crop applies also for “related” crops, unless formally stated in the Decision
- the “reference” and “related” crops are defined in Appendix 1 of that French Order.

Thus, at French national level, possible extrapolation of submitted data and the corresponding assessment from “reference” crops to “related” ones are undertaken even if not clearly requested by the applicant in their dRR, and a conclusion is also reached on the acceptability of the intended uses on those “related” crops. The aim of this Order, mainly based on the EU document on residue data extrapolation¹⁰ is to supply “minor” crops with registered plant protection products.

⁸ Arrêté du 4 mai 2017 relatif à la mise sur le marché et à l'utilisation des produits phytopharmaceutiques et de leurs adjuvants visés à l'article L. 253-1 du code rural et de la pêche maritime, modifié par l'arrêté du 27 décembre 2019 <https://www.legifrance.gouv.fr/eli/arrete/2017/5/4/AGRGI632554A/jo/texte> ; <https://www.legifrance.gouv.fr/affichTexte.do?cidTexte=JORFTEXT000039686039&categorieLien=id>

⁹ <http://www.legifrance.gouv.fr/eli/arrete/2014/3/26/AGRGI407093A/jo>

¹⁰ SANCO document “guidance document: Guidelines on comparability, extrapolation, group tolerances and data requirements for setting MRLs”: SANCO/ 7525/VI/95 - rev.9

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Therefore the GAP table (Section 2.3) and Decision may include uses on crops not originally requested by the applicant.

Finally, the French Order of 20 November 2021¹¹ on the protection of bees and other pollinating insects and the preservation of pollination services when using plant protection products provides that unless otherwise stated in the product authorisation, use on attractive crop⁹ when in flower and on foraging area is forbidden. Specific conditions of application on flowering crops should be respected. As consequences specific SPe 8 may include reference to this order.

The Decision, as reproduced in Appendix 1, takes also into account national provisions, including national mitigation measures.

2.5.1 Restrictions linked to the PPP

The authorisation of the PPP is linked to the following conditions:

Operator protection:	
-	Refer to the Decision in Appendix 1 for the details.
Worker protection:	
-	Refer to the Decision in Appendix 1 for the details.
Integrated pest management (IPM)/sustainable use:	
	-
Environmental protection	
SPe 2	To protect aquatic organisms, do not discharge waste water from soil-less greenhouses directly into surface water.
Precautionary statement for permanent greenhouse	For applications under permanent greenhouse: “May affect pollinators. Avoid unnecessary exposure”.
Other specific restrictions	
Re-entry period	6 hours in fields and 8 hours in greenhouses.

2.5.2 Specific restrictions linked to the intended uses

Some of the authorised uses are linked to the following conditions in addition to those listed under point 2.5.1 (mandatory labelling):

None.

¹¹ Arrêté du 20 novembre 2021 relatif à la protection des abeilles et des autres insectes pollinisateurs et à la préservation des services de pollinisation lors de l'utilisation des produits phytopharmaceutiques - Légifrance (legifrance.gouv.fr)

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2.6 Intended uses (only NATIONAL GAP)

Please note: The GAP Table below reports the intended uses proposed by the applicant, and possible extrapolation according to French Order of 26 March 2014 (highlighted in green), evaluated and concluded as safe uses by France as zRMS (field uses) and izRMS (greenhouse uses). Those uses are then granted in France.

When the conclusion is “not acceptable” or “not finalised”, the intended use is highlighted in grey and the main reason(s) reported in the remarks.

When a use is “acceptable” with GAP restrictions, the modifications of the GAP are in bold.

Use should be crossed out when the applicant no longer supports this use.

GAP rev. 1, date: 15/07/2025

PPP (product name/code): BM 20 WP Blue / BOUILLIE BORDELAISE VALLES

Formulation type: WP ^(a, b)

Active substance 1: copper (Bordeaux mixture)

Conc. of a.s. 1: 200 g/kg ^(c)

Applicant: INDUSTRIAS QUÍMICAS DEL VALLÉS S.A.

Professional use: ☒

Zone(s): Southern Zone & Interzonal^(d)

Non-professional use: ☐

Verified by MS: Yes

Field of use: Fungicide and bactericide

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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/synergis per ha (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
Zonal uses (field or outdoor uses, certain types of protected crops)													
4	FR (SEZ)	Lemon <i>(Citrus limon;</i> 0110030; FC 0002, FC 0204)	F	Phytophthora <i>(Phytophthora spp.;</i> 1PHYTG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	1000- 2000	14	NotAcceptable (worker,PPE*)
8	FR (SEZ)	Lemon <i>(Citrus limon;</i> 0110030; FC 0002, FC 0204)	F	Blast or black pit <i>(Pseudomonas syringae</i> <i>pv. syringae;</i> PSDMSY)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	1000- 2000	14	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
10	FR (SEZ)	Lemon (<i>Citrus limon</i> ; 0110030; FC 0002, FC 0204)	F	Brown spot (<i>Alternaria alternata</i> f. sp. <i>citri</i> ; ALTEAC)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	1000- 2000	14	
14	FR (SEZ)	Mandarin (<i>Citrus reticulata</i> ; 0110050; FC 0003, FC 0206)	F	Phytophthora (<i>Phytophthora</i> spp.; 1PHYTG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	1000- 2000	14	Not Acceptable (worker, PPE*)
18	FR (SEZ)	Mandarin (<i>Citrus reticulata</i> ; 0110050; FC 0003, FC 0206)	F	Blast or black pit (<i>Pseudomonas syringae</i> pv. <i>syringae</i> ; PSDMSY)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	1000- 2000	14	
20	FR (SEZ)	Mandarin (<i>Citrus reticulata</i> ; 0110050; FC 0003, FC 0206)	F	Brown spot (<i>Alternaria alternata</i> f. sp. <i>citri</i> ; ALTEAC)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	1000- 2000	14	
24	FR (SEZ)	Orange (<i>Citrus</i> sp.; 0110020; FC 0004, FC 0208)	F	Phytophthora (<i>Phytophthora</i> spp.; 1PHYTG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	1000- 2000	14	
28	FR (SEZ)	Orange (<i>Citrus</i> sp.; 0110020; FC 0004, FC 0208)	F	Blast or black pit (<i>Pseudomonas syringae</i> pv. <i>syringae</i> ; PSDMSY)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	1000- 2000	14	Not Acceptable (worker, PPE*)
30	FR (SEZ)	Orange (<i>Citrus</i> sp.; 0110020; FC 0004, FC 0208)	F	Brown spot (<i>Alternaria alternata</i> f. sp. <i>citri</i> ; ALTEAC)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	1000- 2000	14	
34	FR (SEZ)	Grapefruit (<i>Citrus paradise</i> ; 0110010; FC 0005, FC 0203)	F	Phytophthora (<i>Phytophthora</i> spp.; 1PHYTG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	1000- 2000	14	Not Acceptable (worker, PPE*)

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
38	FR (SEZ)	Grapefruit (<i>Citrus paradise</i> ; 0110010; FC 0005, FC 0203)	F	Blast or black pit (<i>Pseudomonas syringae</i> <i>pv. syringae</i> ; PSDMSY)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	1000- 2000	14	
40	FR (SEZ)	Grapefruit (<i>Citrus paradise</i> ; 0110010; FC 0005, FC 0203)	F	Brown spot (<i>Alternaria alternata</i> f. sp. <i>citri</i> ; ALTEAC)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	1000- 2000	14	
44	FR (SEZ)	Apricot (<i>Prunus armeniaca</i> ; 0140010; FS 0240)	F	Leaf curl (<i>Taphrina deformans</i> ; TAPHDE)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	Not Acceptable (worker, PPE*)
48	FR (SEZ)	Apricot (<i>Prunus armeniaca</i> ; 0140010; FS 0240)	F	Monilia (<i>Monilia spp.</i> ; 1MONLG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
52	FR (SEZ)	Apricot (<i>Prunus armeniaca</i> ; 0140010; FS 0240)	F	Shot-hole (<i>Stigmia carpophila</i> ; STIGCA)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
56	FR (SEZ)	Apricot (<i>Prunus armeniaca</i> ; 0140010; FS 0240)	F	Bacterial canker (<i>Pseudomonas syringae</i> <i>pv. syringae</i> ; PSDMSY)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
58	FR (SEZ)	Apricot (<i>Prunus armeniaca</i> ; 0140010; FS 0240)	F	Cytospora canker (<i>Cytospora leucostoma</i> ; VALSLE)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
66	FR (SEZ)	Cherry (<i>Prunus avium</i> ; 0140020; FS 0013, FS0243, FS 0244)	F	Monilia (<i>Monilia spp.</i> ; 1MONLG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	Not Acceptable (worker, PPE*)

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 ⁽ⁱ⁾
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
70	FR (SEZ)	Cherry <i>(Prunus avium;</i> 0140020; FS 0013, FS0243, FS 0244)	F	Shot-hole <i>(Stigmia carpophila;</i> STIGCA)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
74	FR (SEZ)	Cherry <i>(Prunus avium;</i> 0140020; FS 0013, FS0243, FS 0244)	F	Bacterial canker <i>(Pseudomonas syringae</i> <i>pv. syringae;</i> PSDMSY)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
78	FR (SEZ)	Cherry <i>(Prunus avium;</i> 0140020; FS 0013, FS0243, FS 0244)	F	Anthraxnose <i>(Blumeriella jaapii;</i> BLUMJA)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
82	FR (SEZ)	Peach <i>(Prunus persica;</i> 0140030; FS 2001, FS 0247)	F	Leaf curl <i>(Taphrina deformans;</i> TAPHDE)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	Not Acceptable (worker, PPE*)
		Nectarine <i>(Prunus persica</i> var. <i>nucipersica;</i> 0140030; FS 2001, FS 0245)											
86	FR (SEZ)	Peach <i>(Prunus persica;</i> 0140030; FS 2001, FS 0247)	F	Monilia <i>(Monilia spp.;</i> 1MONLG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
		Nectarine <i>(Prunus persica</i> var. <i>nucipersica;</i> 0140030; FS 2001, FS 0245)											

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 ^(f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/max		
90	FR (SEZ)	Peach (<i>Prunus persica</i> ; 0140030; FS 2001, FS 0247)	F	Shot-hole (<i>Stigmina carpophila</i> ; STIGCA)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
		Nectarine (<i>Prunus persica</i> var. <i>nucipersica</i> ; 0140030; FS 2001, FS 0245)											
94	FR (SEZ)	Peach (<i>Prunus persica</i> ; 0140030; FS 2001, FS 0247)	F	Bacterial canker (<i>Pseudomonas syringae</i> pv. <i>syringae</i> ; PSDMSY)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
		Nectarine (<i>Prunus persica</i> var. <i>nucipersica</i> ; 0140030; FS 2001, FS 0245)											
96	FR (SEZ)	Peach (<i>Prunus persica</i> ; 0140030; FS 2001, FS 0247)	F	Cytospora canker (<i>Cytospora leucostoma</i> ; VALSLE)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
		Nectarine (<i>Prunus persica</i> var. <i>nucipersica</i> ; 0140030; FS 2001, FS 0245)											
100	FR (SEZ)	Plum (<i>Prunus</i> sp; 0140040; FS 0014)	F	Leaf curl (<i>Taphrina deformans</i> ; TAPHDE)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	Not Acceptable (worker, PPE*)

BM 20 WP Blue / BOUILLIE BORDELAISE VALLES

Part A - National Assessment

FRANCE

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
104	FR (SEZ)	Plum (<i>Prunus sp</i> ; 0140040; FS 0014)	F	Monilia (<i>Monilia spp.</i> ; 1MONLG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
108	FR (SEZ)	Plum (<i>Prunus sp</i> ; 0140040; FS 0014)	F	Shot-hole (<i>Stigmia carpophila</i> ; STIGCA)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
112	FR (SEZ)	Plum (<i>Prunus sp</i> ; 0140040; FS 0014)	F	Bacterial canker (<i>Pseudomonas syringae</i> <i>pv. syringae</i> ; PSDMSY)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	F	
118	FR (SEZ)	Apple (<i>Malus domestica</i> ; 0130010; FP 0226)	F	Scab (<i>Venturia inaequalis</i> ; VENTIN)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	Not Acceptable (worker, PPE*)
122	FR (SEZ)	Apple (<i>Malus domestica</i> ; 0130010; FP 0226)	F	European canker (<i>Nectria galligena</i> ; NECTGA)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
126	FR (SEZ)	Apple (<i>Malus domestica</i> ; 0130010; FP 0226)	F	Monilia (<i>Monilia spp.</i> ; 1MONLG)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
130	FR (SEZ)	Apple (<i>Malus domestica</i> ; 0130010; FP 0226)	F	Blister spot (<i>Pseudomonas syringae</i> <i>pv. papulans</i> ; PSDMPA)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
132	FR (SEZ)	Apple (<i>Malus domestica</i> ; 0130010; FP 0226)	F	Fire blight (<i>Erwinia amylovora</i> ; ERWIAM)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
136	FR (SEZ)	Pear (<i>Pyrus communis</i> ; 0130020; FP 0230)	F	Scab (<i>Venturia pyrina</i> ; VENTPI)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	Not Acceptable (worker, PPE*)

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
140	FR (SEZ)	Pear (<i>Pyrus communis</i> ; 0130020; FP 0230)	F	European canker (<i>Nectria galligena</i> ; NECTGA)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
144	FR (SEZ)	Pear (<i>Pyrus communis</i> ; 0130020; FP 0230)	F	Monilia (<i>Monilia spp.</i> ; 1MONLG)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
148	FR (SEZ)	Pear (<i>Pyrus communis</i> ; 0130020; FP 0230)	F	Bacterial canker (<i>Pseudomonas syringae</i> <i>pv. syringae</i> ; PSDMSY)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
150	FR (SEZ)	Pear (<i>Pyrus communis</i> ; 0130020; FP 0230)	F	Fire blight (<i>Erwinia amylovora</i> ; ERWIAM)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
154	FR (SEZ)	Quince (<i>Cydonia oblonga</i> ; 0130030; FP 0231)	F	Scab (<i>Venturia pyrina</i> ; VENTPI)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	Not Acceptable (worke, PPE*)
158	FR (SEZ)	Quince (<i>Cydonia oblonga</i> ; 0130030; FP 0231)	F	European canker (<i>Nectria galligena</i> ; NECTGA)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
162	FR (SEZ)	Quince (<i>Cydonia oblonga</i> ; 0130030; FP 0231)	F	Monilia (<i>Monilia spp.</i> ; 1MONLG)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
166	FR (SEZ)	Quince (<i>Cydonia oblonga</i> ; 0130030; FP 0231)	F	Bacterial canker (<i>Pseudomonas syringae</i> <i>pv. syringae</i> ; PSDMSY)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
168	FR (SEZ)	Quince (<i>Cydonia oblonga</i> ; 0130030; FP 0231)	F	Fire blight (<i>Erwinia amylovora</i> ; ERWIAM)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 ^(f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
172	FR (SEZ)	Medlar and Japa- nese medlar (<i>Mespilus germanica</i> ; 0130040; FP 0229, <i>Eriobotrya japonica</i> , 0130050; FP 4044)	F	Scab (<i>Venturia inaequalis</i> ; VENTIN)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	Not Acceptable (worker, PPE*)
176	FR (SEZ)	Medlar and Japa- nese medlar (<i>Mespilus germanica</i> ; 0130040; FP 0229, <i>Eriobotrya japonica</i> , 0130050; FP 4044)	F	European canker (<i>Nectria galligena</i> ; NECTGA)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
180	FR (SEZ)	Medlar and Japa- nese medlar (<i>Mespilus germanica</i> ; 0130040; FP 0229, <i>Eriobotrya japonica</i> , 0130050; FP 4044)	F	Monilia (<i>Monilia spp.</i> ; 1MONLG)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
184	FR (SEZ)	Medlar and Japa- nese medlar (<i>Mespilus germanica</i> ; 0130040; FP 0229, <i>Eriobotrya japonica</i> , 0130050; FP 4044)	F	Bacterial canker (<i>Pseudomonas syringae pv. syringae</i> ; PSDMSY)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
186	FR (SEZ)	Medlar and Japa- nese medlar (<i>Mespilus germanica</i> ; 0130040; FP 0229, <i>Eriobotrya japonica</i> , 0130050; FP 4044)	F	Fire blight (<i>Erwinia amylovora</i> ; ERWIAM)	Foliar spray	91-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
190	FR (SEZ)	Almond (<i>Prunus dulcis</i> ; 0120010; TN 0660)	F	Leaf curl (<i>Taphrina deformans</i> ; TAPHDE)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	Not Acceptable (worker, PPE*)
194	FR (SEZ)	Almond (<i>Prunus dulcis</i> ; 0120010; TN 0660)	F	Monilia (<i>Monilia spp.</i> ; 1MONIG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
198	FR (SEZ)	Almond (<i>Prunus dulcis</i> ; 0120010; TN 0660)	F	Shot-hole (<i>Stigmia carpophila</i> ; STIGCA)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
202	FR (SEZ)	Almond (<i>Prunus dulcis</i> ; 0120010; TN 0660)	F	Bacterial canker (<i>Pseudomonas syringae</i> <i>pv. syringae</i> ; PSDMSY)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
206	FR (SEZ)	Walnut (<i>Juglans regia</i> ; 0120110; TN 0678)	F	Alternaria (<i>Alternaria spp.</i> ; 1ALTEG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	Not Acceptable (worker, PPE*)
214	FR (SEZ)	Walnut (<i>Juglans regia</i> ; 0120110; TN 0678)	F	Bacterial blight (<i>Xanthomonas arboricola</i> <i>pv. juglandis</i> ; XANTJU)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
218	FR (SEZ)	Walnut (<i>Juglans regia</i> ; 0120110; TN 0678)	F	<i>Pseudomonas</i> (<i>Pseudomonas spp.</i> ; 1PSDMG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
222	FR (SEZ)	Hazelnut (<i>Corylus avellana</i> ; 0120060; TN 0666)	F	Alternaria (<i>Alternaria spp.</i> ; 1ALTEG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	Not Acceptable (worker, PPE*)
224	FR (SEZ)	Hazelnut (<i>Corylus avellana</i> ; 0120060; TN 0666)	F	Cytospora canker (<i>Cytospora spp.</i> ; 1CYTOG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
230	FR (SEZ)	Hazelnut (<i>Corylus avellana</i> ; 0120060; TN 0666)	F	Bacterial blight (<i>Xanthomonas arboricola</i> <i>pv. corylina</i> ; XANTCY)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
234	FR (SEZ)	Hazelnut (<i>Corylus avellana</i> ; 0120060; TN 0666)	F	Stem dieback (<i>Pseudomonas avellanae</i> ; PSDMAL)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
236	FR (SEZ)	Chestnut (<i>Castanea sativa</i> ; 0120040; TN 0664)	F	Mycosphaerella (<i>Mycosphaerella spp.</i> ; 1MYCOG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	Not Acceptable (worker, PPE*)
238	FR (SEZ)	Chestnut (<i>Castanea sativa</i> ; 0120040; TN 0664)	F	Alternaria (<i>Alternaria spp.</i> ; 1ALTEG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
242	FR (SEZ)	Chestnut (<i>Castanea sativa</i> ; 0120040; TN 0664)	F	Xanthomonas (<i>Xanthomonas spp.</i> ; 1XANTG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
244	FR (SEZ)	Chestnut (<i>Castanea sativa</i> ; 0120040; TN 0664)	F	Pseudomonas (<i>Pseudomonas spp.</i> ; 1PSDMG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
250	FR (SEZ)	Pistachio (<i>Pistacia vera</i> ; 0120100; TN 0675)	F	Alternaria (<i>Alternaria spp.</i> ; 1ALTEG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	Not Acceptable (worker, PPE*)

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					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
256	FR (SEZ)	Pistachio (<i>Pistacia vera</i> ; 0120100; TN 0675)	F	Xanthomonas (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
260	FR (SEZ)	Pistachio (<i>Pistacia vera</i> ; 0120100; TN 0675)	F	Pseudomonas (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	95-53	a) 4 b) 4	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	500- 1000	F	
264	FR (SEZ)	Olive (Table olives, olive for oil production) (<i>Olea europaea</i> ; 0161030, 0402010; FT 0305, SO 0305)	F	Peacock spot (<i>Spilocaea oleaginea</i> ; CYCLOL)	Foliar spray	10-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	600- 1000	14	Not Acceptable (worker, PPE*)
268	FR (SEZ)	Olive (Table olives, olive for oil production) (<i>Olea europaea</i> ; 0161030, 0402010; FT 0305, SO 0305)	F	Bacterial canker (<i>Pseudomonas savastona</i> <i>pv. savastona</i> ; PSDMSA)	Foliar spray	10-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	600- 1000	14	
270	FR (SEZ)	Olive (Table olives, olive for oil production) (<i>Olea europaea</i> ; 0161030, 0402010; FT 0305, SO 0305)	F	Anthracoise (<i>Colletotrichum gloeosporioides</i> ; GLOMCI)	Foliar spray	10-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	600- 1000	14	
272	FR (SEZ)	Grape (Table grape, wine grapes) (<i>Vitis vinifera</i> ; 0151000, 0151010, 0151020; FB 0269)	F	Downy mildew (<i>Plasmopara viticola</i> ; PLASVI)	Foliar spray	15-81 & 91	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	21	Not Acceptable (worker PPE*)

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Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 ^(f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
277	FR (SEZ)	Grape (Table grape, wine grapes) (<i>Vitis vinifera</i> ; 0151000, 0151010, 0151020; FB 0269)	F	Bacterial blight (<i>Xanthomonas ampelina</i> ; XANTAM)	Foliar spray	15-81 & 91	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	21	
281	FR (SEZ)	Tomato (<i>Solanum lycopersicum</i> ; 0231010; VO 0448)	F	Late blight (<i>Phytophthora infestans</i> ; PHYTIN)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	10	Not acceptable (PPE*)
285	FR (SEZ)	Tomato (<i>Solanum lycopersicum</i> ; 0231010; VO 0448)	F	Early blight (<i>Alternaria solani</i> ; ALTESO)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	10	
289	FR (SEZ)	Tomato (<i>Solanum lycopersicum</i> ; 0231010; VO 0448)	F	Anthrachnose (<i>Colletotrichum spp</i> ; 1COLLG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	10	
293	FR (SEZ)	Tomato (<i>Solanum lycopersicum</i> ; 0231010; VO 0448)	F	Bacterial spot (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	10	
297	FR (SEZ)	Tomato (<i>Solanum lycopersicum</i> ; 0231010; VO 0448)	F	Bacterial speck (<i>Pseudomonas syringae pv. tomato</i> ; PSDMTM)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	10	
301	FR (SEZ)	Aubergine (Eggplant) (<i>Solanum melongena</i> ; 0231030; VO 0440)	F	Late blight (<i>Phytophthora infestans</i> ; PHYTIN)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	10	Not acceptable (PPE*)

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
305	FR (SEZ)	Aubergine (Eggplant) (<i>Solanum melongena</i> ; 0231030; VO 0440)	F	Early blight (<i>Alternaria solani</i> ; ALTESO)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	10	
309	FR (SEZ)	Aubergine (Eggplant) (<i>Solanum melongena</i> ; 0231030; VO 0440)	F	Anthrachnose (<i>Colletotrichum spp</i> ; 1COLLG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	10	
313	FR (SEZ)	Aubergine (Eggplant) (<i>Solanum melongena</i> ; 0231030; VO 0440)	F	Bacterial spot (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	10	
317	FR (SEZ)	Aubergine (Eggplant) (<i>Solanum melongena</i> ; 0231030; VO 0440)	F	Bacterial speck (<i>Pseudomonas syringae pv. tomato</i> ; PSDMTM)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	10	
320	FR (SEZ)	Pepper (<i>Capsicum annuum</i> ; 0231020; VO 0051)	F	Blight of pepper (<i>Phytophthora capsici</i> ; PHYTCP)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	Not acceptable (MRL,PPE*)
321	FR (SEZ)	Pepper (<i>Capsicum annuum</i> ; 0231020; VO 0051)	F	Early blight (<i>Alternaria solani</i> ; ALTESO)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
324	FR (SEZ)	Pepper (<i>Capsicum annuum</i> ; 0231020; VO 0051)	F	Anthrachnose (<i>Colletotrichum spp</i> ; 1COLLG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	

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FRANCE

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
327	FR (SEZ)	Pepper (<i>Capsicum annuum</i> ; 0231020; VO 0051)	F	Bacterial spot (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
330	FR (SEZ)	Pepper (<i>Capsicum annuum</i> ; 0231020; VO 0051)	F	Bacterial canker (<i>Pseudomonas syringae</i> <i>pv. syringae</i> ; PSDMSY)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
333	FR (SEZ)	Leek (<i>Allium porrium</i> ; 0270060; VA 0384) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Downy mildew (<i>Phytophthora porri</i> ; PHYTPO)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)
348	FR (SEZ)	Artichoke (<i>Cynara scolymus</i> ; 0270050; VS 0620) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Downy mildew (<i>Bremia lactucae</i> ; BREMLA)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)
351	FR (SEZ)	Artichoke (<i>Cynara scolymus</i> ; 0270050; VS 0620) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Ascochyta (<i>Ascochyta spp</i> ; 1ASCOG)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
354	FR (SEZ)	Artichoke (<i>Cynara scolymus</i> ; 0270050; VS 0620) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Alternaria (<i>Alternaria spp</i> ; 1ALTEG)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
357	FR (SEZ)	Artichoke (<i>Cynara scolymus</i> ; 0270050; VS 0620) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Xanthomonas (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
360	FR (SEZ)	Artichoke (<i>Cynara scolymus</i> ; 0270050; VS 0620) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Pseudomonas (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
361	FR (SEZ)	Celery (<i>Apium graveolens</i> ; 0270030; VS 0624) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Downy mildew (<i>Plasmopara crustosa</i> ; PLASCR)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
362	FR (SEZ)	Celery (<i>Apium graveolens</i> ; 0270030; VS 0624) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Ascochyta (<i>Ascochyta spp</i> ; (1ASCOG)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
363	FR (SEZ)	Celery (<i>Apium graveolens</i> ; 0270030; VS 0624) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Alternaria (<i>Alternaria spp</i> ; 1ALTEG)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
364	FR (SEZ)	Celery (<i>Apium graveolens</i> ; 0270030; VS 0624) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Xanthomonas (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
365	FR (SEZ)	Celery (<i>Apium graveolens</i> ; 0270030; VS 0624) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Pseudomonas (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
366	FR (SEZ)	Cardoon (<i>Cynara carduncu- lus</i> ; 0270020; VS 0623) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Downy mildew (<i>Bremia lactucae</i> ; BREMLA)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)
367	FR (SEZ)	Cardoon (<i>Cynara carduncu- lus</i> ; 0270020; VS 0623) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Ascochyta (<i>Ascochyta spp</i> ; 1ASCOG)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
368	FR (SEZ)	Cardoon (<i>Cynara carduncu- lus</i> ; 0270020; VS 0623) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Alternaria (<i>Alternaria spp</i> ; 1ALTEG)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
369	FR (SEZ)	Cardoon (<i>Cynara carduncu- lus</i> ; 0270020; VS 0623) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Xanthomonas (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
370	FR (SEZ)	Cardoon (<i>Cynara carduncu- lus</i> ; 0270020; VS 0623) Whole group of stem vegetables ex- cept asparagus (0270000; VS 0078)	F	Pseudomonas (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	14-51	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
374	FR (SEZ)	Broccoli (<i>Brassica oleracea</i> ; 0241010; VB 0400, VB 0401)	F	Downy mildew (<i>Hyaloperonospora brassicae</i> ; HPERBR)	Foliar spray	14-59	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	Not acceptable (MRL, PPE*)
378	FR (SEZ)	Broccoli (<i>Brassica oleracea</i> ; 0241010; VB 0400, VB 0401)	F	Black spot (<i>Alternaria brassicae</i> ; ALTEBA)	Foliar spray	14-59	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
382	FR (SEZ)	Broccoli (<i>Brassica oleracea</i> ; 0241010; VB 0400, VB 0401)	F	Colletotrichum (<i>Colletotrichum spp</i> ; 1COLLG)	Foliar spray	14-59	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
386	FR (SEZ)	Broccoli (<i>Brassica oleracea</i> ; 0241010; VB 0400, VB 0401)	F	Black rot (<i>Xanthomonas campestris pv. campestris</i> ; XANTCA)	Foliar spray	14-59	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
390	FR (SEZ)	Broccoli (<i>Brassica oleracea</i> ; 0241010; VB 0400, VB 0401)	F	Pseudomonas (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	14-59	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
394	FR (SEZ)	Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> ; 0241020; VB 0404)	F	Downy mildew (<i>Hyaloperonospora</i> <i>brassicae</i> ; HPERBR)	Foliar spray	14-59	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	Not acceptable (MRL, PPE*)
398	FR (SEZ)	Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> ; 0241020; VB 0404)	F	Black spot (<i>Alternaria brassicae</i> ; ALTEBA)	Foliar spray	14-59	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
402	FR (SEZ)	Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> ; 0241020; VB 0404)	F	Colletotrichum (<i>Colletotrichum spp</i> ; 1COLLG)	Foliar spray	14-59	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
406	FR (SEZ)	Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> ; 0241020; VB 0404)	F	Black rot (<i>Xanthomonas campestris</i> pv. <i>campestris</i> ; XANTCA)	Foliar spray	14-59	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
410	FR (SEZ)	Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> ; 0241020; VB 0404)	F	Pseudomonas (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	14-59	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
413	FR (SEZ)	Cucumber (<i>Cucumis sativus</i> ; 0232010; VC 0424)	F	Downy mildew (<i>Pseudoperonospora</i> <i>cubensis</i> ; PSPECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not acceptable (PPE*)
417	FR (SEZ)	Cucumber (<i>Cucumis sativus</i> ; 0232010; VC 0424)	F	Leaf blight (<i>Alternaria cucumerina</i> ; ALTECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
421	FR (SEZ)	Cucumber (<i>Cucumis sativus</i> ; 0232010; VC 0424)	F	Anthracnose (<i>Colletotrichum</i> <i>lagenarium</i> ; COLLLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
425	FR (SEZ)	Cucumber (<i>Cucumis sativus</i> ; 0232010; VC 0424)	F	Bacterial leaf spot (<i>Xanthomonas campestris</i> <i>pc. cucurbitae</i> ; XANTCU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
429	FR (SEZ)	Cucumber (<i>Cucumis sativus</i> ; 0232010; VC 0424)	F	Angular leaf spot (<i>Pseudomonas syringae</i> <i>pv. lachrymans</i> ; PSDMLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
432	FR (SEZ)	Courgette (zuc- chini) (<i>Cucurbita pepo</i> var. <i>giromontiina</i> ; 0232030; VC 4207, VC 4263)	F	Downy mildew (<i>Pseudoperonospora</i> <i>cubensis</i> ; PSPECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not acceptable PPE*
436	FR (SEZ)	Courgette (zuc- chini) (<i>Cucurbita pepo</i> var. <i>giromontiina</i> ; 0232030; VC 4207, VC 4263)	F	Leaf blight (<i>Alternaria cucumerina</i> ; ALTECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
440	FR (SEZ)	Courgette (zuc- chini) (<i>Cucurbita pepo</i> var. <i>giromontiina</i> ; 0232030; VC 4207, VC 4263)	F	Anthracnose (<i>Colletotrichum</i> <i>lagenarium</i> ; COLLLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
444	FR (SEZ)	Courgette (zuc- chini) (<i>Cucurbita pepo</i> var. <i>giromontiina</i> ; 0232030; VC 4207, VC 4263)	F	Bacterial leaf spot (<i>Xanthomonas campestris</i> <i>pc. cucurbitae</i> ; XANTCU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
448	FR (SEZ)	Courgette (zucchini) (<i>Cucurbita pepo</i> var. <i>giromontiina</i> ; 0232030; VC 4207, VC 4263)	F	Angular leaf spot (<i>Pseudomonas syringae</i> <i>pv. lachrymans</i> ; PSDMLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
451	FR (SEZ)	Gherkin (<i>Cucumis sativus</i> ; 0232020; VC 0425)	F	Downy mildew (<i>Pseudoperonospora</i> <i>cubensis</i> ; PSPECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not acceptable (PPE*)
455	FR (SEZ)	Gherkin (<i>Cucumis sativus</i> ; 0232020; VC 0425)	F	Leaf blight (<i>Alternaria cucumerina</i> ; ALTECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
459	FR (SEZ)	Gherkin (<i>Cucumis sativus</i> ; 0232020; VC 0425)	F	Anthraco nose (<i>Colletotrichum</i> <i>lagenarium</i> ; COLLLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
463	FR (SEZ)	Gherkin (<i>Cucumis sativus</i> ; 0232020; VC 0425)	F	Bacterial leaf spot (<i>Xanthomonas campestris</i> <i>pc. cucurbitae</i> ; XANTCU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
467	FR (SEZ)	Gherkin (<i>Cucumis sativus</i> ; 0232020; VC 0425)	F	Angular leaf spot (<i>Pseudomonas syringae</i> <i>pv. lachrymans</i> ; PSDMLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
471	FR (SEZ)	Melon (<i>Cucumis melo</i> ; 0233010; VC 0046)	F	Downy mildew (<i>Pseudoperonospora</i> <i>cubensis</i> ; PSPECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)
475	FR (SEZ)	Melon (<i>Cucumis melo</i> ; 0233010; VC 0046)	F	Leaf blight (<i>Alternaria cucumerina</i> ; ALTECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
479	FR (SEZ)	Melon (<i>Cucumis melo</i> ; 0233010; VC 0046)	F	Anthrachnose (<i>Colletotrichum lagenarium</i> ; COLLLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
483	FR (SEZ)	Melon (<i>Cucumis melo</i> ; 0233010; VC 0046)	F	Bacterial leaf spot (<i>Xanthomonas campestris pc. cucurbitae</i> ; XANTCU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
487	FR (SEZ)	Melon (<i>Cucumis melo</i> ; 0233010; VC 0046)	F	Angular leaf spot (<i>Pseudomonas syringae pv. lachrymans</i> ; PSDMLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
491	FR (SEZ)	Watermelon (<i>Citrullus lanatus</i> ; 0233030; VC 0432)	F	Downy mildew (<i>Pseudoperonospora cubensis</i> ; PSPECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)
495	FR (SEZ)	Watermelon (<i>Citrullus lanatus</i> ; 0233030; VC 0432)	F	Leaf blight (<i>Alternaria cucumerina</i> ; ALTECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
499	FR (SEZ)	Watermelon (<i>Citrullus lanatus</i> ; 0233030; VC 0432)	F	Anthrachnose (<i>Colletotrichum lagenarium</i> ; COLLLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
503	FR (SEZ)	Watermelon (<i>Citrullus lanatus</i> ; 0233030; VC 0432)	F	Bacterial leaf spot (<i>Xanthomonas campestris pc. cucurbitae</i> ; XANTCU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
507	FR (SEZ)	Watermelon (<i>Citrullus lanatus</i> ; 0233030; VC 0432)	F	Angular leaf spot (<i>Pseudomonas syringae pv. lachrymans</i> ; PSDMLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
511	FR (SEZ)	Pumpkin (marrow) (<i>Cucurbita maxima</i> ; 0233020; VC 0429)	F	Downy mildew (<i>Pseudoperonospora cubensis</i> ; PSPECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 ^(f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
515	FR (SEZ)	Pumpkin (marrow) (<i>Cucurbita maxima</i> ; 0233020; VC 0429)	F	Leaf blight (<i>Alternaria cucumerina</i> ; ALTECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
519	FR (SEZ)	Pumpkin (marrow) (<i>Cucurbita maxima</i> ; 0233020; VC 0429)	F	Anthracoise (<i>Colletotrichum lagenarium</i> ; COLLLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
523	FR (SEZ)	Pumpkin (marrow) (<i>Cucurbita maxima</i> ; 0233020; VC 0429)	F	Bacterial leaf spot (<i>Xanthomonas campestris pc. cucurbitae</i> ; XANTCU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
527	FR (SEZ)	Pumpkin (marrow) (<i>Cucurbita maxima</i> ; 0233020; VC 0429)	F	Angular leaf spot (<i>Pseudomonas syringae pv. lachrymans</i> ; PSDMLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
530	FR (SEZ)	Onion (<i>Allium cepa</i> ; 0220020; VA 0385, VA 0386, VA 0387)	F	Downy mildew (<i>Peronospora destructor</i> ; PERODE)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not Acceptable (PPE*)
534	FR (SEZ)	Onion (<i>Allium cepa</i> ; 0220020; VA 0385, VA 0386, VA 0387)	F	Purple blotch (<i>Alternaria porri</i> ; ALTEPO)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
538	FR (SEZ)	Onion (<i>Allium cepa</i> ; 0220020; VA 0385, VA 0386, VA 0387)	F	Anthracoise (<i>Colletotrichum coccodes</i> ; COLLCC)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
540	FR (SEZ)	Onion (<i>Allium cepa</i> ; 0220020; VA 0385, VA 0386, VA 0387)	F	Leaf blight (<i>Pleospora allii</i> ; PLEOAL)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 ^(f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
544	FR (SEZ)	Onion (<i>Allium cepa</i> ; 0220020; VA 0385, VA 0386, VA 0387)	F	<i>Pseudomonas</i> (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
548	FR (SEZ)	Onion (<i>Allium cepa</i> ; 0220020; VA 0385, VA 0386, VA 0387)	F	<i>Xanthomonas</i> (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
551	FR (SEZ)	Garlic (<i>Allium sativum</i> ; 0220010; VA 0381)	F	Downy mildew (<i>Peronospora destructor</i> ; PERODE)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not Acceptable (PPE*)
555	FR (SEZ)	Garlic (<i>Allium sativum</i> ; 0220010; VA 0381)	F	Purple blotch (<i>Alternaria porri</i> ; ALTEPO)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
559	FR (SEZ)	Garlic (<i>Allium sativum</i> ; 0220010; VA 0381)	F	Antracnose (<i>Colletotrichum coccodes</i> ; COLLCC)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
561	FR (SEZ)	Garlic (<i>Allium sativum</i> ; 0220010; VA 0381)	F	Leaf blight (<i>Pleospora allii</i> ; PLEOAL)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
565	FR (SEZ)	Garlic (<i>Allium sativum</i> ; 0220010; VA 0381)	F	<i>Pseudomonas</i> (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
569	FR (SEZ)	Garlic (<i>Allium sativum</i> ; 0220010; VA 0381)	F	<i>Xanthomonas</i> (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
572	FR (SEZ)	Shallot (<i>Allium cepa</i> <i>Aggregatum</i> types; 0220030; VA 0388)	F	Downy mildew (<i>Peronospora destructor</i> ; PERODE)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not Acceptable (PPE*)

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use-No. ^(e)	Member state(s)	Crop and/or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 ^(f)
					Method/Kind	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/max		
576	FR (SEZ)	Shallot (<i>Allium cepa</i> <i>Aggregatum</i> types; 0220030; VA 0388)	F	Purple blotch (<i>Alternaria porri</i> ; ALTEPO)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400-1000	3	
580	FR (SEZ)	Shallot (<i>Allium cepa</i> <i>Aggregatum</i> types; 0220030; VA 0388)	F	Antracnose (<i>Colletotrichum coccodes</i> ; COLLCC)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400-1000	3	
582	FR (SEZ)	Shallot (<i>Allium cepa</i> <i>Aggregatum</i> types; 0220030; VA 0388)	F	Leaf blight (<i>Pleospora allii</i> ; PLEOAL)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400-1000	3	
586	FR (SEZ)	Shallot (<i>Allium cepa</i> <i>Aggregatum</i> types; 0220030; VA 0388)	F	Pseudomonas (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400-1000	3	
590	FR (SEZ)	Shallot (<i>Allium cepa</i> <i>Aggregatum</i> types; 0220030; VA 0388)	F	Xanthomonas (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	14-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400-1000	3	
594	FR (SEZ)	Lettuce (<i>Lactuca sativa</i> ; 0251020; VL 0510, VL 0482, VL 0483) Lettuce and other salad plants including leaves and sprouts of brassica- cea (0251000)	F	Downy mildew (<i>Bremia lactucae</i> ; BREMLA)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400-1000	7	Not acceptable (MRL, PPE*) Not acceptable against grey mould and sclerotinia (efficacy)

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (⁽ⁱ⁾)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
598	FR (SEZ)	Lettuce (<i>Lactuca sativa</i> ; 0251020; VL 0510, VL 0482, VL 0483) Lettuce and other salad plants includ- ing leaves and sprouts of brassica- cea (0251000)	F	Leaf spot (<i>Alternaria sonchi</i> ; ALTESN)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
602	FR (SEZ)	Lettuce (<i>Lactuca sativa</i> ; 0251020; VL 0510, VL 0482, VL 0483) Lettuce and other salad plants includ- ing leaves and sprouts of brassica- cea (0251000)	F	Anthrachnose (<i>Marssonina panattoniana</i> ; MARSPA)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
604	FR (SEZ)	Lettuce (<i>Lactuca sativa</i> ; 0251020; VL 0510, VL 0482, VL 0483) Lettuce and other salad plants includ- ing leaves and sprouts of brassica- cea (0251000)	F	Sclerotinia (<i>Sclerotinia minor</i> ; SCLEMI)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 ^(f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
608	FR (SEZ)	Lettuce (<i>Lactuca sativa</i> ; 0251020; VL 0510, VL 0482, VL 0483) Lettuce and other salad plants includ- ing leaves and sprouts of brassica- cea (0251000)	F	Pseudomonas (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
612	FR (SEZ)	Lettuce (<i>Lactuca sativa</i> ; 0251020; VL 0510, VL 0482, VL 0483) Lettuce and other salad plants includ- ing leaves and sprouts of brassica- cea (0251000)	F	Bacterial spot (<i>Xanthomonas axonopodis</i> <i>pv. vitians</i> ; XANTVI)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
614	FR (SEZ)	Spinach (<i>Spinacia oleracea</i> ; 0252010; VL 0502) Spinach and simi- lar (leaves) (0252000)	F	Downy mildew (<i>Peronospora farinosa f.</i> <i>sp. Spinaciae</i> ;PEROFS)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)
616	FR (SEZ)	Spinach (<i>Spinacia oleracea</i> ; 0252010; VL 0502) Spinach and simi- lar (leaves) (0252000)	F	Alternaria (<i>Alternaria spp</i> ; 1ALTEG)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
618	FR (SEZ)	Spinach (<i>Spinacia oleracea</i> ; 0252010; VL 0502) Spinach and simi- lar (leaves) (0252000)	F	Anthrachnose (<i>Colletotrichum spinaciae</i> ; COLLDS)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
626	FR (SEZ)	Bean (Bean with pods) (<i>Phaseolus vulgaris</i> ; 0260010. 0260020; VP 0061, <i>Vicia faba</i> ; 0260020; VP 4407, VP0522, VP 0523)	F	Downy mildew (<i>Phytophthora phaseoli</i> ; PHYTPH)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not Acceptable (PPE*) Not acceptable against rust (efficacy)
630	FR (SEZ)	Bean (Bean with pods, bean without pods) (<i>Phaseolus vulgaris</i> ; 0260010. 0260020; VP 0061, <i>Vicia faba</i> ; 0260020; VP 4407, VP0522, VP 0523)	F	Anthrachnose (<i>Colletotrichum lindemuthianum</i> ; COLLLD)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
632	FR (SEZ)	Bean (Bean with pods, bean without pods) (<i>Phaseolus vulgaris</i> ; 0260010. 0260020; VP 0061, <i>Vicia faba</i> ; 0260020; VP 4407, VP0522, VP 0523)	F	Rust (<i>Uromyces appendiculatus</i> ; UROMAP)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
634	FR (SEZ)	Bean (Bean with pods, bean without pods) (<i>Phaseolus vulgaris</i> ; 0260010, 0260020; VP 0061, <i>Vicia faba</i> ; 0260020; VP 4407, VP0522, VP 0523)	F	Septoria (<i>Septoria spp</i> ; 1SEPTG)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
638	FR (SEZ)	Bean (Bean without pods) (<i>Phaseolus vulgaris</i> ; 0260010, 0260020; VP 0061, <i>Vicia faba</i> ; 0260020; VP 4407, VP0522, VP 0523)	F	Bacterial blight (<i>Xanthomonas axonopodis</i> <i>pv. phaseoli</i> ; XANTPH)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
642	FR (SEZ)	Bean (Bean without pods) (<i>Phaseolus vulgaris</i> ; 0260010, 0260020; VP 0061, <i>Vicia faba</i> ; 0260020; VP 4407, VP0522, VP 0523)	F	<i>Pseudomonas</i> (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
646	FR (SEZ)	Pea (Pea with pods) (<i>Pisum sativum</i> ; 0260030, 0260040; VP 4441)	F	Downy mildew (<i>Peronospora viciae</i> ; PEROVI)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not acceptable for peas without pods (MRL, PPE*)
650	FR (SEZ)	Pea (Pea with pods, pea without pods) (<i>Pisum sativum</i> ; 0260030, 0260040; VP 4441)	F	Anthracnose (<i>Colletotrichum</i> <i>lindemuthianum</i> ; COLLLD)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not acceptable against rust (efficacy)

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
652	FR (SEZ)	Pea (Pea with pods, pea without pods) (<i>Pisum sativum</i> ; 0260030, 0260040; VP 4441)	F	Rust (<i>Uromyces fabae</i> ; UROMVF)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
654	FR (SEZ)	Pea (Pea with pods, pea without pods) (<i>Pisum sativum</i> ; 0260030, 0260040; VP 4441)	F	Leaf blotch (<i>Septoria pisi</i> ; SEPTPI)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
666	FR (SEZ)	Lentils (<i>Lens culinaris</i> ; 0260050; VP 0533)	F	Anthrachnose (<i>Colletotrichum lindemuthianum</i> ; COLLLD)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
668	FR (SEZ)	Lentils (<i>Lens culinaris</i> ; 0260050; VP 0533)	F	Rust (<i>Uromyces fabae</i> ; UROMVF)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not acceptable against rust (efficacy)
670	FR (SEZ)	Lentils (<i>Lens culinaris</i> ; 0260050; VP 0533)	F	Septoria (<i>Septoria spp</i> ; 1SEPTG)	Foliar spray	14-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
678	FR (SEZ)	Potato (<i>Solanum tuberosum</i> ; 0211000; VR 0589)	F	Late blight (<i>Phytophthora infestans</i> ; PHYTIN)	Foliar spray	15-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	Not acceptable (MRL, PPE*)
682	FR (SEZ)	Potato (<i>Solanum tuberosum</i> ; 0211000; VR 0589)	F	Early blight (<i>Alternaria solani</i> ; ALTESO)	Foliar spray	15-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	

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Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
684	FR (SEZ)	Potato (<i>Solanum tuberosum</i> ; 0211000; VR 0589)	F	Anthrachnose (<i>Colletotrichum coccodes</i> ; COLLCC)	Foliar spray	15-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
689	FR (SEZ)	Carrot (<i>Daucus carota subsp. Sativus</i> ; 0213020; VR 0577) Other root and tu- ber vegetables except sugar beet (0213000)	F	Downy mildew (<i>Plasmopara nivea</i> ; PLASCR)	Foliar spray	15-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	Not acceptable (MRL, PPE*)
690	FR (SEZ)	Carrot (<i>Daucus carota subsp. Sativus</i> ; 0213020; VR 0577) Other root and tu- ber vegetables except sugar beet (0213000)	F	Leaf blight (<i>Alternaria dauci</i> ; ALTEDA)	Foliar spray	15-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
691	FR (SEZ)	Carrot (<i>Daucus carota subsp. Sativus</i> ; 0213020; VR 0577) Other root and tu- ber vegetables except sugar beet (0213000)	F	Anthrachnose (<i>Colletotrichum spp</i> ; 1COLLG)	Foliar spray	15-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
692	FR (SEZ)	Carrot (<i>Daucus carota</i> <i>subsp. Sativus</i> ; 0213020; VR 0577) Other root and tu- ber vegetables except sugar beet (0213000)	F	Brown leaf spot (<i>Cercospora carotae</i> ; CERCCA)	Foliar spray	15-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
693	FR (SEZ)	Carrot (<i>Daucus carota</i> <i>subsp. Sativus</i> ; 0213020; VR 0577) Other root and tu- ber vegetables except sugar beet (0213000)	F	Bacterial leaf blight (<i>Xanthomonas campestris</i> <i>pv. carotae</i> ; XANTCR)	Foliar spray	15-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
694	FR (SEZ)	Carrot (<i>Daucus carota</i> <i>subsp. Sativus</i> ; 0213020; VR 0577) Other root and tu- ber vegetables except sugar beet (0213000)	F	<i>Pseudomonas</i> (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	15-47	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
695	FR (SEZ)	Sugar beet (<i>Beta vulgaris subsp.</i> <i>vulgaris</i> ; 0900010; VR 0596)	F	Leaf spot (<i>Cercospora beticola</i> ; CERCBE)	Foliar spray	39-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	Not acceptable (MRL, PPE*)
698	FR (SEZ)	Strawberry (<i>Fragaria spp</i> ; 0152000; FB0275)	F	Anthracnose (<i>Colletotrichum fragariae</i> ; COLLFR)	Foliar spray	13-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)

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Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (⁽ⁱ⁾)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
699	FR (SEZ)	Strawberry (<i>Fragaria spp</i> ; 0152000; FB0275)	F	Leaf spot (<i>Mycosphaerella fragariae</i> ; MYCOFR)	Foliar spray	13-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
700	FR (SEZ)	Strawberry (<i>Fragaria spp</i> ; 0152000; FB0275)	F	Red stele (<i>Phytophthora fragariae</i> ; PHYTFR)	Foliar spray	13-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
701	FR (SEZ)	Strawberry (<i>Fragaria spp</i> ; 0152000; FB0275)	F	Angular leaf spot (<i>Xanthomonas fragariae</i> ; XANTFR)	Foliar spray	13-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
702	FR (SEZ)	Strawberry (<i>Fragaria spp</i> ; 0152000; FB0275)	F	Pseudomonas (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	13-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
704	FR (SEZ)	Ornamental plants and trees	F	Peronospora (<i>Peronospora spp</i> ; 1PEROG)	Foliar spray	All stages	a) 3 b) 3	7 7	a) 5.0 b) 15.0	a) 1.0 b) 3.0	400- 1000	NA	Not acceptable (worker, PPE*) Not acceptable against rust (efficacy)
708	FR (SEZ)	Ornamental plants and trees	F	Septoria (<i>Septoria spp</i> ; 1SEPTG)	Foliar spray	All stages	a) 3 b) 3	7 7	a) 5.0 b) 15.0	a) 1.0 b) 3.0	400- 1000	NA	
710	FR (SEZ)	Ornamental plants and trees	F	Colletotrichum (<i>Colletotrichum spp</i> ; 1COLLG)	Foliar spray	All stages	a) 3 b) 3	7 7	a) 5.0 b) 15.0	a) 1.0 b) 3.0	400- 1000	NA	
714	FR (SEZ)	Ornamental plants and trees	F	Puccinia (<i>Puccinia spp</i> ; 1PUCCG)	Foliar spray	All stages	a) 3 b) 3	7 7	a) 5.0 b) 15.0	a) 1.0 b) 3.0	400- 1000	NA	
716	FR (SEZ)	Ornamental plants and trees	F	Monilia (<i>Monilia spp</i> ; 1MONLG)	Foliar spray	All stages	a) 3 b) 3	7 7	a) 5.0 b) 15.0	a) 1.0 b) 3.0	400- 1000	NA	
Interzonal uses (use as seed treatment, in greenhouses (or other closed places of plant production), as post-harvest treatment or for treatment of empty storage rooms)													
719	FR (SEZ)	Tomato (<i>Solanum lycopersicum</i> ; 0231010; VO 0448)	G	Late blight (<i>Phytophthora infestans</i> ; PHYTIN)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	not acceptable (PPE*))

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Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 ^(f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
722	FR (SEZ)	Tomato (<i>Solanum lycopersicum</i> ; 0231010; VO 0448)	G	Early blight (<i>Alternaria solani</i> ; ALTESO)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
725	FR (SEZ)	Tomato (<i>Solanum lycopersicum</i> ; 0231010; VO 0448)	G	Anthrachnose (<i>Colletotrichum spp</i> ; 1COLLG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
728	FR (SEZ)	Tomato (<i>Solanum lycopersicum</i> ; 0231010; VO 0448)	G	Bacterial spot (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
731	FR (SEZ)	Tomato (<i>Solanum lycopersicum</i> ; 0231010; VO 0448)	G	Bacterial speck (<i>Pseudomonas syringae pv. tomato</i> ; PSDMTM)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
734	FR (SEZ)	Aubergine (Eggplant) (<i>Solanum melongena</i> ; 0231030; VO 0440)	G	Late blight (<i>Phytophthora infestans</i> ; PHYTIN)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not Acceptable (PPE*)
737	FR (SEZ)	Aubergine (Eggplant) (<i>Solanum melongena</i> ; 0231030; VO 0440)	G	Early blight (<i>Alternaria solani</i> ; ALTESO)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
740	FR (SEZ)	Aubergine (Eggplant) (<i>Solanum melongena</i> ; 0231030; VO 0440)	G	Anthrachnose (<i>Colletotrichum spp</i> ; 1COLLG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	

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Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
743	FR (SEZ)	Aubergine (Eggplant) (<i>Solanum melongena</i> ; 0231030; VO 0440)	G	Bacterial spot (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
746	FR (SEZ)	Aubergine (Eggplant) (<i>Solanum melongena</i> ; 0231030; VO 0440)	G	Bacterial speck (<i>Pseudomonas syringae pv. tomato</i> ; PSDMTM)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
748	FR (SEZ)	Pepper (<i>Capsicum annum</i> ; 0231020; VO 0051)	G	Blight of pepper (<i>Phytophthora capsici</i> ; PHYTCP)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	Not acceptable (MRL, PPE*)
749	FR (SEZ)	Pepper (<i>Capsicum annum</i> ; 0231020; VO 0051)	G	Early blight (<i>Alternaria solani</i> ; ALTESO)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
751	FR (SEZ)	Pepper (<i>Capsicum annum</i> ; 0231020; VO 0051)	G	Anthraco nose (<i>Colletotrichum spp</i> ; 1COLLG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
753	FR (SEZ)	Pepper (<i>Capsicum annum</i> ; 0231020; VO 0051)	G	Bacterial spot (<i>Xanthomonas spp</i> ; 1XANTG)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
755	FR (SEZ)	Pepper (<i>Capsicum annum</i> ; 0231020; VO 0051)	G	Bacterial canker (<i>Pseudomonas syringae pv. syringae</i> ; PSDMSY)	Foliar spray	15-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	14	
758	FR (SEZ)	Cucumber (<i>Cucumis sativus</i> ; 0232010; VC 0424)	G	Downy mildew (<i>Pseudoperonospora cubensis</i> ; PSPECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not acceptable (PPE*)

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					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
761	FR (SEZ)	Cucumber (<i>Cucumis sativus</i> ; 0232010; VC 0424)	G	Leaf blight (<i>Alternaria cucumerina</i> ; ALTECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
764	FR (SEZ)	Cucumber (<i>Cucumis sativus</i> ; 0232010; VC 0424)	G	Anthraxnose (<i>Colletotrichum lagenarium</i> ; COLLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
767	FR (SEZ)	Cucumber (<i>Cucumis sativus</i> ; 0232010; VC 0424)	G	Bacterial leaf spot (<i>Xanthomonas campestris pc. cucurbitae</i> ; XANTCU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
770	FR (SEZ)	Cucumber (<i>Cucumis sativus</i> ; 0232010; VC 0424)	G	Angular leaf spot (<i>Pseudomonas syringae pv. lachrymans</i> ; PSDMLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
773	FR (SEZ)	Courgette (zuc- chini) (<i>Cucurbita pepo</i> var. <i>giromontiina</i> ; 0232030; VC 4207, VC 4263)	G	Downy mildew (<i>Pseudoperonospora cubensis</i> ; PSPECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not Acceptable (PPE*)
776	FR (SEZ)	Courgette (zuc- chini) (<i>Cucurbita pepo</i> var. <i>giromontiina</i> ; 0232030; VC 4207, VC 4263)	G	Leaf blight (<i>Alternaria cucumerina</i> ; ALTECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 ^(f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
778	FR (SEZ)	Courgette (zuc- chini) (<i>Cucurbita pepo</i> var. <i>giromontiina</i> ; 0232030; VC 4207, VC 4263)	G	Anthracnose (<i>Colletotrichum</i> <i>lagenarium</i> ; COLLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
782	FR (SEZ)	Courgette (zuc- chini) (<i>Cucurbita pepo</i> var. <i>giromontiina</i> ; 0232030; VC 4207, VC 4263)	G	Bacterial leaf spot (<i>Xanthomonas campestris</i> <i>pc. cucurbitae</i> ; XANTCU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
785	FR (SEZ)	Courgette (zuc- chini) (<i>Cucurbita pepo</i> var. <i>giromontiina</i> ; 0232030; VC 4207, VC 4263)	G	Angular leaf spot (<i>Pseudomonas syringae</i> <i>pv. lachrymans</i> ; PSDMLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
787	FR (SEZ)	Gherkin (<i>Cucumis sativus</i> ; 0232020; VC 0425)	G	Downy mildew (<i>Pseudoperonospora</i> <i>cubensis</i> ; PSPECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	Not acceptable (PPE*)
791	FR (SEZ)	Gherkin (<i>Cucumis sativus</i> ; 0232020; VC 0425)	G	Leaf blight (<i>Alternaria cucumerina</i> ; ALTECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
794	FR (SEZ)	Gherkin (<i>Cucumis sativus</i> ; 0232020; VC 0425)	G	Anthracnose (<i>Colletotrichum</i> <i>lagenarium</i> ; COLLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
797	FR (SEZ)	Gherkin (<i>Cucumis sativus</i> ; 0232020; VC 0425)	G	Bacterial leaf spot (<i>Xanthomonas campestris</i> <i>pc. cucurbitae</i> ; XANTCU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
800	FR (SEZ)	Gherkin (<i>Cucumis sativus</i> ; 0232020; VC 0425)	G	Angular leaf spot (<i>Pseudomonas syringae</i> <i>pv. lachrymans</i> ; PSDMLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	3	
802	FR (SEZ)	Melon (<i>Cucumis melo</i> ; 0233010; VC 0046)	G	Downy mildew (<i>Pseudoperonospora</i> <i>cubensis</i> ; PSPECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)
804	FR (SEZ)	Melon (<i>Cucumis melo</i> ; 0233010; VC 0046)	G	Leaf blight (<i>Alternaria cucumerina</i> ; ALTECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
806	FR (SEZ)	Melon (<i>Cucumis melo</i> ; 0233010; VC 0046)	G	Anthracnose (<i>Colletotrichum</i> <i>lagenarium</i> ; COLLLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
808	FR (SEZ)	Melon (<i>Cucumis melo</i> ; 0233010; VC 0046)	G	Bacterial leaf spot (<i>Xanthomonas campestris</i> <i>pc. cucurbitae</i> ; XANTCU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
810	FR (SEZ)	Melon (<i>Cucumis melo</i> ; 0233010; VC 0046)	G	Angular leaf spot (<i>Pseudomonas syringae</i> <i>pv. lachrymans</i> ; PSDMLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
812	FR (SEZ)	Watermelon (<i>Citrullus lanatus</i> ; 0233030; VC 0432)	G	Downy mildew (<i>Pseudoperonospora</i> <i>cubensis</i> ; PSPECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*) Not acceptable (PPE*)
814	FR (SEZ)	Watermelon (<i>Citrullus lanatus</i> ; 0233030; VC 0432)	G	Leaf blight (<i>Alternaria cucumerina</i> ; ALTECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, Fpn G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
816	FR (SEZ)	Watermelon (<i>Citrullus lanatus</i> ; 0233030; VC 0432)	G	Anthrachnose (<i>Colletotrichum</i> <i>lagenarium</i> ; COLLIA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
818	FR (SEZ)	Watermelon (<i>Citrullus lanatus</i> ; 0233030; VC 0432)	G	Bacterial leaf spot (<i>Xanthomonas campestris</i> <i>pc. cucurbitae</i> ; XANTCU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
820	FR (SEZ)	Watermelon (<i>Citrullus lanatus</i> ; 0233030; VC 0432)	G	Angular leaf spot (<i>Pseudomonas syringae</i> <i>pv. lachrymans</i> ; PSDMLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
822	FR (SEZ)	Pumpkin (marrow) (<i>Cucurbita maxima</i> ; 0233020; VC 0429)	G	Downy mildew (<i>Pseudoperonospora</i> <i>cubensis</i> ; PSPECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)
824	FR (SEZ)	Pumpkin (marrow) (<i>Cucurbita maxima</i> ; 0233020; VC 0429)	G	Leaf blight (<i>Alternaria cucumerina</i> ; ALTECU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
826	FR (SEZ)	Pumpkin (marrow) (<i>Cucurbita maxima</i> ; 0233020; VC 0429)	G	Anthrachnose (<i>Colletotrichum</i> <i>lagenarium</i> ; COLLIA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
828	FR (SEZ)	Pumpkin (marrow) (<i>Cucurbita maxima</i> ; 0233020; VC 0429)	G	Bacterial leaf spot (<i>Xanthomonas campestris</i> <i>pc. cucurbitae</i> ; XANTCU)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
830	FR (SEZ)	Pumpkin (marrow) (<i>Cucurbita maxima</i> ; 0233020; VC 0429)	G	Angular leaf spot (<i>Pseudomonas syringae</i> <i>pv. lachrymans</i> ; PSDMLA)	Foliar spray	10-89	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/max		
833	FR (SEZ)	Lettuce (<i>Lactuca sativa</i> ; 0251020; VL 0510, VL 0482, VL 0483) Lettuce and other salad plants includ- ing leaves and sprouts of brassica- cea (0251000)	G	Downy mildew (<i>Bremia lactucae</i> ; BREMLA)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (PPE*) Not acceptable against grey mould and sclerotinia (efficacy)
836	FR (SEZ)	Lettuce (<i>Lactuca sativa</i> ; 0251020; VL 0510, VL 0482, VL 0483) Lettuce and other salad plants includ- ing leaves and sprouts of brassica- cea (0251000)	G	Leaf spot (<i>Alternaria sonchi</i> ; ALTESN)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
839	FR (SEZ)	Lettuce (<i>Lactuca sativa</i> ; 0251020; VL 0510, VL 0482, VL 0483) Lettuce and other salad plants includ- ing leaves and sprouts of brassica- cea (0251000)	G	Anthrachnose (<i>Marssonina panattoniana</i> ; MARSPA)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 ^(f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/max		
841	FR (SEZ)	Lettuce (<i>Lactuca sativa</i> ; 0251020; VL 0510, VL 0482, VL 0483) Lettuce and other salad plants includ- ing leaves and sprouts of brassica- cea (0251000)	G	Sclerotinia (<i>Sclerotinia minor</i> ; SCLEMI)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
844	FR (SEZ)	Lettuce (<i>Lactuca sativa</i> ; 0251020; VL 0510, VL 0482, VL 0483) Lettuce and other salad plants includ- ing leaves and sprouts of brassica- cea (0251000)	G	Pseudomonas (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
847	FR (SEZ)	Lettuce (<i>Lactuca sativa</i> ; 0251020; VL 0510, VL 0482, VL 0483) Lettuce and other salad plants includ- ing leaves and sprouts of brassica- cea (0251000)	G	Bacterial spot (<i>Xanthomonas axonopodis</i> <i>pv. vitians</i> ; XANTVI)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 ^(f)
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
849	FR (SEZ)	Spinach (<i>Spinacia oleracea</i> ; 0252010; VL 0502) Spinach and simi- lar (leaves) (0252000)	G	Downy mildew (<i>Peronospora farinosa</i> f. <i>sp. Spinaciae</i> ;PEROFS)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)
851	FR (SEZ)	Spinach (<i>Spinacia oleracea</i> ; 0252010; VL 0502) Spinach and simi- lar (leaves) (0252000)	G	Alternaria (<i>Alternaria spp</i> ; 1ALTEG)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
853	FR (SEZ)	Spinach (<i>Spinacia oleracea</i> ; 0252010; VL 0502) Spinach and simi- lar (leaves) (0252000)	G	Anthracnose (<i>Colletotrichum spinaciae</i> ; COLLDS)	Foliar spray	12-49	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
859	FR (SEZ)	Strawberry (<i>Fragaria spp</i> ; 0152000; FB0275)	G	Anthracnose (<i>Colletotrichum fragariae</i> ; COLLFR)	Foliar spray	13-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	Not acceptable (MRL, PPE*)
860	FR (SEZ)	Strawberry (<i>Fragaria spp</i> ; 0152000; FB0275)	G	Leaf spot (<i>Mycosphaerella</i> <i>fragariae</i> ; MYCOFR)	Foliar spray	13-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
861	FR (SEZ)	Strawberry (<i>Fragaria spp</i> ; 0152000; FB0275)	G	Red stele (<i>Phytophthora fragariae</i> ; PHYTFR)	Foliar spray	13-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
862	FR (SEZ)	Strawberry (<i>Fragaria spp</i> ; 0152000; FB0275)	G	Angular leaf spot (<i>Xanthomonas fragariae</i> ; XANTFR)	Foliar spray	13-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. ^(e)	Member state(s)	Crop and/ or situation (crop destination/purpose of crop)	F, Fn, G, Gn, Gpn 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 (^(f))
					Method/Ki nd	Timing/Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg product/ha a) max. rate per appl. b) max. total rate per crop/season	g a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
863	FR (SEZ)	Strawberry (<i>Fragaria spp</i> ; 0152000; FB0275)	G	<i>Pseudomonas</i> (<i>Pseudomonas spp</i> ; 1PSDMG)	Foliar spray	13-85	a) 5 b) 5	7 7	a) 5.0 b) 20.0	a) 1.0 b) 4.0	400- 1000	7	
865	FR (SEZ)	Ornamental plants and trees	G	<i>Peronospora</i> (<i>Peronospora spp</i> ; 1PEROG)	Foliar spray	All stages	a) 3 b) 3	7 7	a) 5.0 b) 15.0	a) 1.0 b) 3.0	400- 1000	NA	Not acceptable (worker, PPE*) Not acceptable finalised against rust (efficacy)
868	FR (SEZ)	Ornamental plants and trees	G	<i>Septoria</i> (<i>Septoria spp</i> ; 1SEPTG)	Foliar spray	All stages	a) 3 b) 3	7 7	a) 5.0 b) 15.0	a) 1.0 b) 3.0	400- 1000	NA	
870	FR (SEZ)	Ornamental plants and trees	G	<i>Colletotrichum</i> (<i>Colletotrichum spp</i> ; 1COLLG)	Foliar spray	All stages	a) 3 b) 3	7 7	a) 5.0 b) 15.0	a) 1.0 b) 3.0	400- 1000	NA	
873	FR (SEZ)	Ornamental plants and trees	G	<i>Puccinia</i> (<i>Puccinia spp</i> ; 1PUCCG)	Foliar spray	All stages	a) 3 b) 3	7 7	a) 5.0 b) 15.0	a) 1.0 b) 3.0	400- 1000	NA	
875	FR (SEZ)	Ornamental plants and trees	G	<i>Monilia</i> (<i>Monilia spp</i> ; 1MONLG)	Foliar spray	All stages	a) 3 b) 3	7 7	a) 5.0 b) 15.0	a) 1.0 b) 3.0	400- 1000	NA	

* PPE : Personal protective equipment. The information is insufficient to ensure the performance of the clothing PPE (in accordance with standard NF EN ISO 27065/A1) for this type of formulation (WP). A. Shaw *and al.* (2018).

Remarks table heading:

(a) e.g. wettable powder (WP), emulsifiable concentrate (EC), granule (GR)

(b) Catalogue of pesticide formulation types and international coding system CropLife International Technical Monograph n°2, 6th Edition Revised May 2008

(c) g/kg or g/l

(d) Select relevant

(e) Use number(s) in accordance with the list of all intended GAPs in Part B, Section 0 should be given in column 1

(f) No authorisation possible for uses where the line is highlighted in grey, Use should be crossed out when the notifier no longer supports this use.

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Remarks	1	Numeration necessary to allow references	7	Growth stage at first and last treatment (BBCH Monograph, Growth Stages of Plants, 1997, Blackwell, ISBN 3-8263-3152-4), including where relevant, information on season at time of application
columns:	2	Use official codes/nomenclatures of EU Member States	8	The maximum number of application possible under practical conditions of use must be provided.
	3	For crops, the EU and Codex classifications (both) should be used; when relevant, the use situation should be described (e.g. fumigation of a structure)	9	Minimum interval (in days) between applications of the same product
	4	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	10	For specific uses other specifications might be possible, e.g.: g/m ³ in case of fumigation of empty rooms. See also EPPO-Guideline PP 1/239 Dose expression for plant protection products.
	5	Scientific names and EPPO-Codes of target pests/diseases/ weeds or, when relevant, the common names of the pest groups (e.g. biting and sucking insects, soil born insects, foliar fungi, weeds) and the developmental stages of the pests and pest groups at the moment of application must be named.	11	The dimension (g, kg) must be clearly specified. (Maximum) dose of a.s. per treatment (usually g, kg or L product/ha).
	6	Method, e.g. high volume spraying, low volume spraying, spreading, dusting, drench Kind, e.g. overall, broadcast, aerial spraying, row, individual plant, between the plants - type of equipment used must be indicated.	12	If water volume range depends on application equipments (e.g. ULVA or LVA) it should be mentioned under "application: method/kind".
			13	PHI - minimum pre-harvest interval
			14	Remarks may include: Extent of use/economic importance/restrictions

3 Background of authorisation decision and risk management

3.1 Physical and chemical properties (Part B, Section 2)

BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) is a medium turquoise odourless powder formulation (WP). All studies have been performed in accordance with the current requirements and the results are deemed acceptable. The appearance of the product is an odourless fine green powder formulation. The product is not explosive and has no oxidising properties. It is not flammable. It has not a self-ignition temperature below 400°C. In aqueous solution 1%, it has a pH value of 6.75 at 22°C. There is no effect of high temperature on the stability of the formulation, since after 14 days at 54 °C, neither the active ingredient content nor the technical properties were changed. The stability data indicate a shelf life of at least two years at ambient temperature when stored in LDPE and HDPE, PE or PET. Its technical characteristics are acceptable for a WP formulation.

The formulation is not classified for the physico-chemical aspect.

When water soluble bags are used, the slurry should be stirred for at least 3 minutes before application.

3.2 Efficacy (Part B, Section 3)

Considering the data submitted:

- The efficacy level of BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) is considered acceptable for most of the requested uses. **For uses intended to control grey mould and sclerotinia on lettuce, rusts on beans, peas, floral crops and green plants, and cercosporiosis on garden beets, the demonstration of the efficacy of the product is considered insufficient.**
- The phytotoxicity level of BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) is considered acceptable for all the requested uses. On ornamental crops, considering the diversity of crops, it is recommended, in case of doubts, to test the product selectivity on a small area. Moreover, it is also recommended to avoid applications during flowering, because of a risk of burnings on flowers.
- The risks of negative impact on yield, cider making process, propagation, succeeding crops, adjacent crops are considered negligible. Risks with copper such as spotting of table grape berries or on the wine-making process are known. However, these risks of negative impact are considered acceptable.
- There is a risk of resistance developing or appearing to copper for *Xanthomonas* bacteria that requires a monitoring on vegetable crops (e.g. tomato) and walnut.

3.3 Methods of analysis (Part B, Section 5)

3.3.1 Analytical method for the formulation

Analytical methods for the determination of the active substance and the relevant impurities in the formulation are available and validated.

3.3.2 Analytical methods for residues

Analytical methods are available in the Draft Assessment Report (DAR) and in this dossier, and validated for the determination of residues of copper in plants (high water, oily, acidic and dry content commodities), soil, water (surface and drinking), air and body fluids.

According to EFSA conclusions, an ILV of the analytical methods for the determination of residues of copper in plants is required.

Analytical methods for the determination of residues of copper in foodstuffs of animal origin are missing and are required. Moreover, the LOQ of the available methods for the determination of residues of copper in water is not in accordance with the European Directive 98/83/EC.

3.4 Mammalian toxicology (Part B, Section 6)

Endpoints used in risk assessment

Agreed EU endpoints	
Active substance	Copper (Bordeaux mixture) 200 g/kg
AOEL systemic	0.08 mg/kg bw/d
AAOEL	Not necessary
Inhalation absorption	100%
Oral absorption	50%
Vapour pressure	Not necessary
Dermal absorption	Concentrate: 1% Dilution: 9% (Based on <i>in vitro</i> through human skin studies)

3.4.1 Acute toxicity

BM 20 WP Blue, containing 200 g/kg copper (under the form of Bordeaux mixture), has a low acute oral and dermal toxicity, is harmful if inhaled, is not irritating to the rabbit skin or eye and is not a skin sensitiser.

3.4.2 Operator exposure

Considering the proposed uses, operator systemic exposure was estimated using the EFSA model¹²:

Outdoor:

		Copper under the form of Bordeaux mixture	
Model data	Level of PPE	Total absorbed dose (mg/kg/day)	% of systemic AOEL
Critical use: Olive			

¹² AOEM – Agricultural Operator Exposure Model (EFSA Journal 2014;12 (10):3874)

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Tractor mounted outdoor, upward applications ¹			
Application rate		1 kg a.s./ha	
Spray application (AOEM; 75 th percentile) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves M/L and A	0.0976	122
	Work wear (arms, body and legs covered) and gloves M/L and A and mask (FP1, P1 and similar) during M/L	0.0437	55
	Work wear (arms, body and legs covered) and gloves M/L and A and closed cab during A	0.0764	96
	Work wear (arms, body and legs covered) and gloves M/L and A; mask (FP1, P1 and similar) during M/L and closed cab during A	0.0225	28
Spray application (AOEM; 75 th percentile) Body weight: 60 kg Water soluble bag	Work wear (arms, body and legs covered) and gloves M/L and A	0.0309	39
Manual knapsack outdoor, upward applications (late: dense foliage of the crop) ³			
Application rate		1 kg a.s./ha	
Spray application (AOEM; 75 th percentile) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves M/L and A	0.0734	92
Spray application (AOEM; 75 th percentile) Body weight: 60 kg Water soluble bag	Work wear (arms, body and legs covered) and gloves M/L and A	0.0730	91
Critical use: Ornamentals plants and trees			
Manual Handheld, outdoor, upward applications (late: dense foliage of the crop)			
Application rate		1 kg a.s./ha	
Spray application (AOEM; 75 th percentile) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves during M/L and A	0.1095	137
	Work wear (arms, body and legs covered) and gloves M/L and A and mask (FP1, P1 and similar) during M/L	0.0823	103
	Work wear (arms, body and legs covered), gloves and mask (FP1, P1 and similar) during M/L and A	0.0799	99.9
	Work wear (arms, body and legs covered) and gloves M/L and A and mask (FP2, P2 and similar) during M/L	0.0769	96
Spray application (AOEM; 75 th percentile) Body weight: 60 kg Water soluble bag	Work wear (arms, body and legs covered) M/L and A	0.0766	96
Critical use: Broccoli ²			
Tractor mounted outdoor, downward applications			

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Application rate		1 kg a.s./ha	
Spray application (AOEM; 75 th percentile) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves M/L and A	0.1257	157
	Work wear (arms, body and legs covered) and gloves M/L and A and mask (FP1, P1 and similar) during M/L	0.0385	48
Spray application (AOEM; 75 th percentile) Body weight: 60 kg Water soluble bag	Work wear (arms, body and legs covered) M/L and A	0.0136	17
Critical use: Ornamentals plants			
Tractor mounted outdoor, downward applications			
Application rate		1 kg a.s./ha	
Spray application (AOEM; 75 th percentile) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves M/L and A	0.0751	94
	Work wear (arms, body and legs covered) and gloves M/L and A	0.0084	10.5
Spray application (AOEM; 75 th percentile) Body weight: 60 kg Water soluble bag	Work wear (arms, body and legs covered) and gloves M/L and A		
Manual hand held outdoor, downward applications			
Application rate		1 kg a.s./ha	
Spray application (AOEM; 75 th percentile) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves M/L and A	0.0925	116
	Work wear (arms, body and legs covered) and gloves M/L and A and mask (FP1, P1 and similar) during M/L	0.0515	64
Spray application (AOEM; 75 th percentile) Body weight: 60 kg Water soluble bag	Work wear (arms, body and legs covered) and gloves M/L and A	0.0424	53
Manual knapsack, outdoor, downward applications			
Application rate		1 kg a.s./ha	
Spray application (AOEM; 75 th percentile) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves M/L and A	0.0142	18
	Work wear (arms, body and legs covered) and gloves M/L and A	0.0139	17
Spray application (AOEM; 75 th percentile) Body weight: 60 kg Water soluble bag	Work wear (arms, body and legs covered) and gloves M/L and A		

¹ Covers grapes, pome fruits, stone fruits, tree nuts, olive tree, citrus trees and ornamental plants and trees.

² Covers other flowering brassica, tomato, eggplant, pepper, fresh legumes, sugarbeet, stem vegetables, cucurbits edible peel, cucurbits inedible peel, bulb vegetables, lettuce, spinach, beans, potato, carrots and strawberry.

³ Include the group of olive (high crops), grape and ornamentals plants and trees.

Indoor:

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		Copper under the form of Bordeaux mixture	
Model data	Level of PPE	Total absorbed dose (mg/kg/day)	% of systemic AOEL
Critical use: Tomato ¹			
Manual Hand held, upward spraying			
Application rate		1 kg a.s./ha	
Spray application (AOEM; 75 th percentile); 60 kg 4 ha/day	Work wear (arms, body and legs covered) and gloves M/L/A	0.0620	77.5
Spray application (AOEM; 75 th percentile) Body weight: 60 kg Water soluble bag	Work wear (arms, body and legs covered) and gloves M/L/A	0.0119	15
Critical use: Lettuce ²			
Manual Hand held, downward spraying			
Application rate		1 kg a.s./ha	
Spray application (AOEM; 75 th percentile); 60 kg 4 ha/day	Work wear (arms, body and legs covered) and gloves M/L/A	0.0926	116
	Work wear (arms, body and legs covered) and gloves M/L/A, mask (FP1, P1 and similar) during M/L	0.0515	64
Spray application (AOEM; 75 th percentile) Body weight: 60 kg Water soluble bag	Work wear (arms, body and legs covered) and gloves M/L/A	0.0424	53

¹ Covers eggplant, pepper, cucumber, zucchini, gherkin, strawberry and ornamentals.

² Covers melon, watermelon, pumpkin, spinach and ornamentals.

Conclusion:

According to the EFSA model calculations, it can be concluded that the risk for the operator using BM 20 WP Blue is **acceptable** taking into account the above mentioned personal protective equipment (PPE). The packaging “water soluble bag” permits to avoid the recommendation of RPE.

For details of personal protective equipment for workers, refer to the Decision in Appendix 1.

Netherless the information is insufficient to ensure the performance of the clothing PPE (in accordance with standard NF EN ISO 27065/A1) for this type of formulation (WP). A. Shaw *and al.* (2018).

3.4.3 Worker exposure

Workers may have to enter treated areas after treatment for crop inspection/irrigation, cutting, sorting, bundling, carrying, hand harvesting, reaching, picking and searching activities. Therefore, estimation of worker exposure was calculated according to the EFSA model.

Outdoor:

		Copper under the form of Bordeaux mixture	
Model data	Level of PPE	Total absorbed dose (mg/kg bw/day)	% of systemic AOEL

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Critical Use: Grapes			
Hand harvesting Outdoor Work rate: 8 hours/day DT ₅₀ : 7 days DFR: 3 µg/cm ² /kg a.s./ha Interval between applications: 7 days			
Application rate		4 x 1 kg.as/ha (worst case)	
EFSA model 2014 (AOEM Excel calculator) Body weight: 60 kg	Work wear (arms, body and legs covered) TC: 10100 cm ² /person/h	0,6818	852
Critical Use: citrus			
Covering: olive, pome fruits, stone fruits and tree nuts			
Searching, reaching, picking Outdoor Work rate: 8 hours/day, DT ₅₀ : 7 days DFR: 3 µg/cm ² /kg a.s./ha Interval between treatments: 7 days			
Number of applications and application rate		4 x 1 kg.as/ha (worst case)	
EFSA model 2014 (AOEM Excel calculator) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves TC: 2250 cm ² /person/h	0,1519	190
Critical use: Cucumber			
Covering: tomato, eggplant, pepper, zucchini, gherkin, melon, watermelon, pumpkin, broccoli, cauliflower, onion, garlic, shallot, leek, artichoke, celery, cardoon, lettuce, spinach, pea, lentils			
Reaching, picking Outdoor Work rate: 8 hours/day, DT ₅₀ : 7 days DFR: 3 µg/cm ² /kg a.s./ha Interval between treatments: 7 days			
Number of applications and application rate		4 x 1 kg.as/ha (worst case)	
EFSA model 2014 (AOEM Excel calculator) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves TC: 580 cm ² /person/h	0,0392	49
Critical Use: Strawberry			
Reaching, picking Outdoor Work rate: 8 hours/day, DT ₅₀ : 7 days DFR: 3 µg/cm ² /kg a.s./ha Interval between treatments: 7 days			
Number of applications and application rate		4 x 1 kg. as/ha (worst case)	
EFSA model 2014 (AOEM Excel calculator) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves TC: 750 cm ² /person/h	0,0506	63

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Critical Use: Sugar beet Covering: potato, carrot			
Inspection, irrigation Outdoor Work rate: 2 hours/day, DT ₅₀ : 7 days DFR: 3 µg/cm ² /kg a.s./ha Interval between treatments: 7 days			
Number of applications and application rate		4 x 1 kg.as/ha (as worst)	
EFSA model 2014 (AOEM Excel calculator) Body weight: 60 kg	Work wear (arms, body and legs covered) TC: 1400 cm ² /person/h	0,0236	30
Critical Use: ornamentals			
Cutting, sorting, bundling, carrying Outdoor Work rate: 8 hours/day DT ₅₀ : 7 days DFR: 3µg/cm ² /kg a.s./ha Interval between applications: 7 days			
Application rate		3 x 1 kg.as/ha	
EFSA model 2014 (AOEM Excel calculator) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves TC: 1400 cm ² /person/h	0.0882	110

Conclusion for outdoor uses:

There is no unacceptable risk anticipated for worker re-entering treated crop except for ornamentals, grapes, orchards.

Indoor:

		Copper under the form of Bordeaux mixture	
Model data	Level of PPE	Total absorbed dose (mg/kg bw/day)	% of systemic AOEL
Critical use: fruiting vegetables Covering: tomato, eggplant, cucumber, pepper, zucchini, gherkin, melon, watermelon, pumpkin, lettuce, spinach			
Reaching, picking Indoor Work rate: 8 hours/day, DT ₅₀ : 7 days DFR: 3 µg/cm ² /kg a.s./ha Interval between treatments: 7 days			
Number of applications and application rate		4 x 1 kg.as/ha (as worst case)	
EFSA model 2014 (AOEM Excel calculator) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves TC: 580 cm ² /person/h	0,0392	49
Critical Use: Strawberry			
Reaching, picking			

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Indoor Work rate: 8 hours/day, DT ₅₀ : 7 days DFR: 3 µg/cm ² /kg a.s./ha Interval between treatments: 7 days			
Number of applications and application rate		4 x 1 kg. as/ha (as worst case)	
EFSA model 2014 (AOEM Excel calculator) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves TC: 750 cm ² /person/h	0,0506	63
Critical Use: ornamentals			
Cutting, sorting, bundling, carrying Indoor Work rate: 8 hours/day DT ₅₀ : 7 days DFR: 3µg/cm ² /kg a.s./ha Interval between applications: 7 days			
Application rate		3 x 1 kg.as/ha	
EFSA model 2014 (AOEM Excel calculator) Body weight: 60 kg	Work wear (arms, body and legs covered) and gloves TC: 1400 cm ² /person/h	0.1015	127

Conclusion for indoor uses:

There is a risk anticipated for worker re-entering treated crop except for ornamentals.

For details of personal protective equipment for workers, refer to the Decision in Appendix 1.

Netherless the information is insufficient to ensure the performance of the clothing PPE (in accordance with standard NF EN ISO 27065/A1) for this type of formulation (WP). A. Shaw *and al.* (2018).

3.4.4 Bystander exposure

Consideration of acute exposure should only be made where an AAOEL has been established during an approval, review or renewal evaluation of an active substance, i.e. no acute operator or bystander exposure assessments can be performed with the AOEM model where no AAOEL has been set¹³.

According to EFSA Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products (EFSA Journal 2014;12(10):3874): “No bystander risk assessment is required for PPPs that do not have significant acute toxicity or the potential to exert toxic effects after a single exposure. Exposure in this case will be determined by average exposure over a longer duration, and higher exposures on one day will tend to be offset by lower exposures on other days. Therefore, exposure assessment for residents also covers bystander exposure.”

No AAOEL has been set for copper. Thus, for this active substance, residents exposure assessment covers bystanders exposure.

¹³ Guidance on the assessment of exposure of operators, workers, residents and bystanders in risk assessment for plant protection products (SANTE-10832-2015 rev. 1.7, 2017)

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3.4.5 Resident exposure

Outdoor: Residential exposure was assessed according to EFSA model incorporating a distance of 10 meters for high crops and 2-3 meters for low crops. An acceptable risk was determined for residents (adult and child) without drift reduction technology.

		Copper under the form of Bordeaux mixture	
Model data		Total absorbed dose (mg/kg bw/day)	% of systemic AOEL
Apricot (covers other orchards)			
AOEM calculator (EFSA Model) Tractor mounted, upward application** Buffer zone: 10 m Drift reduction technology: no DT ₅₀ : 7 days DFR: 3 µg/cm ² /kg a.s./ha Interval between treatments: 7 days Volume min: 400 L/ha			
Number of applications and application rate		4 x 1 kg a.s./ha (as worst case)	
Resident child Body weight: 10 kg	Sum (mean)	0,0481	60
Resident adult Body weight: 60 kg	Sum (mean)	0,0255	32
Grapes			
AOEM calculator (EFSA Model) Tractor mounted, upward application** Buffer zone: 10 m Drift reduction technology: no DT ₅₀ : 7 days DFR: 3 µg/cm ² /kg a.s./ha Interval between treatments: 7 days Volume min: 400 L/ha			
Number of applications and application rate		4 x 1 kg a.s./ha (as worst case)	
Resident child Body weight: 10 kg	Sum (mean)	0.0450	56
Resident adult Body weight: 60 kg	Sum (mean)	0.0244	30.5
Ornamentals (trees as worst case)			
AOEM calculator (EFSA Model) Tractor mounted, upward application** Buffer zone: 10 m Drift reduction technology: no DT ₅₀ : 7 days DFR: 3 µg/cm ² /kg a.s./ha Interval between treatments: 7 days Volume min: 400 L/ha			
Number of applications and application rate		3 x 1 kg a.s./ha	
Resident child Body weight: 10 kg	Sum (mean)	0.0436	54.5
Resident adult	Sum (mean)	0.0236	29.5

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Body weight: 60 kg			
Cucumber Covering: tomato, eggplant, pepper, zucchini, gherkin, melon, watermelon, pumpkin, broccoli, cauliflower, onion, garlic, shallot, leek, artichoke, celery, cardoon, lettuce, spinach, pea, lentils, strawberry, sugar beet, potato, carrot			
AOEM calculator (EFSA Model) Tractor mounted, downward application Buffer zone: 2-3 m Drift reduction technology: no DT ₅₀ : 7 days DFR: 3 µg/cm ² /kg a.s./ha Interval between treatments: 7 days Volume min: 400 L/ha			
Number of applications and application rate		4 x 1 kg a.s./ha (as worst case)	
Resident child Body weight: 10 kg	Sum (mean)	0.0295	37
Resident adult Body weight: 60 kg	Sum (mean)	0.0144	18

Indoor: In the context of indoor uses, resident exposure is not relevant.

Conclusion:

In conclusion, according to the EFSA model, there is **no unacceptable** risk anticipated for resident (adult and child) after incidental exposure to copper.

3.4.6 Combined exposure

Not relevant. The product contains only one active substance.

3.5 Residues and consumer exposure (Part B, Section 7)

As ornamental plants and trees are non edible commodities, the respective intended uses were not assessed.

For France, an exceedance of the current MRL for copper as laid down in Reg. (EC) 396/2005 of 50 mg/kg in grapes, 5 mg/kg in pome fruits, 5 mg/kg in stone fruits, 30 mg/kg in tree nuts and pistachio, 30 mg/kg in olive, 20 mg/kg in citrus trees, 5.0 mg/kg in outdoor and indoor tomato and aubergine, 5.0 mg/kg in outdoor and indoor edible peel cucurbits, 5.0 mg/kg in onion, garlic and shallot, 5.0 mg/kg in parsnip, Jerusalem artichoke, parsley, celeriac, horseradish and scorzonera, 100 mg/kg in indoor lettuce and other salads, 20 mg/kg in fresh beans and peas with pods and fresh beans without pods is not expected.

Due to MRL exceedance, the uses on strawberries (outdoor and indoor), inedible peel cucurbits (outdoor and indoor), spring onion, spinaches and similar leaves (outdoor and indoor), pepper (outdoor and indoor) and potatoes cannot be recommended.

Due to insufficient residue trials, the uses on flowering brassica, lettuce (outdoor), fresh peas without pods, fresh lentils, carrots, beetroots, leeks, celery, cardoon, and artichokes cannot be recommended.

The acute exposure calculations were not carried out because an acute reference dose (ARfD) was not deemed necessary for copper.

For chronic intake of copper residues, the calculation includes uncertainties linked to the methodology. Therefore, zRMS considers that the risk assessment for consumers cannot be finalised.

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zRMS considers no firm conclusion can be reached for any of the intended uses of the product BOUILLIE BORDELAISE VALLES (BM 20 WP Blue).

Summary for BOUILLIE BORDELAISE VALLES (BM 20 WP Blue)

Crop	PHI for BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) requested by applicant	PHI/ Withholding period* sufficiently supported for Copper	PHI for BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) proposed by zRMS	zRMS Comments (if different PHI proposed)
<i>Outdoor uses</i>				
Citrus trees	14 days	Yes	14 days	
Stone fruits	F**	Yes	F	
Pome fruits	F	Yes	F	
Tree nuts, pistachio	F	Yes	F	
Olive	14 days	Yes	14 days	
Grape	21 days	Yes	21 days	
Tomato, aubergine	10 days	Yes	10 days	
Pepper	14 days	n.a. (MRL exceedance)	-	Not recommended use
Leek, artichoke	7 days	No	-	Not recommended use
Celery, cardoon	7 days	No	-	Not recommended use
Flowering brassica	14 days	No	-	Not recommended use
Cucurbits edible peel	3 days	Yes	3 days	
Cucurbits inedible peel	7 days	n.a. (MRL exceedance)	-	Not recommended use
Onion	3 days	Yes	3 days	
Garlic, shallot	3 days	Yes	3 days	
Spring onion	7 days	n.a. (MRL exceedance)	-	Not recommended use
Lettuce	7 days	No	-	Not recommended use
Other salad plants including leaves and sprouts of brassicacea	7 days	No	-	Not recommended use
Spinach and similar (leaves)	7 days	n.a. (MRL exceedance)	-	Not recommended use
Fresh beans/peas with pods	3 days	Yes	3 days	
Fresh beans without pod	3 days	Yes	3 days	

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Crop	PHI for BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) requested by applicant	PHI/ Withholding period* sufficiently supported for Copper	PHI for BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) proposed by zRMS	zRMS Comments (if different PHI proposed)
Fresh peas without pods, fresh lentils	3 days	No	-	Not recommended use
Potato	14 days	n.a. (MRL exceedance)	-	Not recommended use
Carrot	14 days	No	-	Not recommended use
Parsnip, Jerusalem artichoke, parsley, celeriac, horseradish and scorzonera	14 days	Yes	14 days	
Beetroot	14 days	No	-	Not recommended use
Strawberry	7 days	n.a. (MRL exceedance)	-	Not recommended use
Ornamental plant and trees	NR		NR	Not assessed (non edible commodity)
Indoor uses				
Tomato, aubergine	3 days	Yes	3 days	
Pepper	14 days	n.a. (MRL exceedance)	-	Not recommended use
Cucurbits edible peel	3 days	Yes	3 days	
Cucurbits inedible peel	7 days	n.a. (MRL exceedance)	-	Not recommended use
Lettuce and other salad plants including leaves and sprouts of brassicacea	7 days	Yes	7 days	
Spinach and similar (leaves)	7 days	n.a. (MRL exceedance)	-	Not recommended use
Strawberry	7 days	n.a. (MRL exceedance)	-	Not recommended use
Ornamental plant and trees	NR		NR	Not assessed (non edible commodity)

NR: not relevant

* Purpose of withholding period to be specified

** F: PHI is defined by the application stage at last treatment (time elapsing between last treatment and harvest of the crop).

3.6 Environmental fate and behaviour (Part B, Section 8)

The fate and behaviour in the environment have been evaluated according to the requirements of Regulation (EC) No 1107/2009. Appropriate endpoints from the EU conclusions were used to calculate predicted environmental concentration (PEC) values for the active substance for the intended use patterns. In cases where deviations from the EU agreed endpoints were considered appropriate (for example when additional studies are provided), such deviations were highlighted and justified accordingly.

The PEC of copper in soil, surface water and groundwater have been assessed according to FOCUS guidance documents, with standard FOCUS scenarios to obtain outputs from the FOCUS models, and the endpoints established in the EU conclusions or agreed in the assessment based on new data provided.

No reliable PEC_{soil} were available for the active substance mainly due to a shorter period for estimating the accumulation in soil. Therefore, the risk assessment for the non-target terrestrial organisms cannot be finalised for all intended uses.

Given the uncertainties identified by zRMS in the notifier's exposure calculation (FOCUS STEP 1-2 for all entries to water bodies and FOCUS STEP 1-2 PEC_{sw} including mitigation measures) and the absence of results for all FOCUS scenarios, PEC_{sw} derived for the active substance cannot be used for the ecotoxicological risk assessment. As a consequence, the risk assessment cannot be finalised for the non-target aquatic organisms.

PEC_{gw} for copper do not occur at levels exceeding those mentioned in Directive 98/83/CE¹⁴. Therefore, no unacceptable risk of groundwater contamination is expected for all intended uses.

Based on vapour pressure, no significant contamination of the air compartment is expected for the intended uses.

3.7 Ecotoxicology (Part B, Section 9)

The ecotoxicological risk assessment of the formulation was performed according to the requirements of Regulation (EC) No 1107/2009. Appropriate endpoints from the EU conclusions for the active substance were used for the intended use patterns. In cases where deviations from the EU agreed endpoints were considered appropriate (for example when additional studies are provided), such deviations were highlighted and justified accordingly.

An EFSA' Statement of the PPR panel on a framework for conducting the environmental exposure and risk assessment for transition metals when used as active substances in plant protection products was recently published (2021). This document provides useful recommendations upon applicability of new methodologies in the context of transition metals and possible areas of development for assessing the risk from transition metals used in PPPs. However, it does not provide valid tools for exposure assessment in the environment and toxicity estimation upon non-target organisms. Furthermore, no clear specific risk assessment schemes for transition metals used as active substances in PPPs is provided. Therefore, the risk assessment and conclusion are based on the methodology agreed by the experts during the renewal approval of the active substance. The EU-agreed endpoints recommended in the EFSA journal (EFSA Journal 2018;16(1):5152) were considered for the Art. 43 dossiers for copper compounds.

¹⁴ Council Directive 98/83/EC of 3 November 1998 on the quality of water intended for human consumption

Based on the guidance documents, the risks for **non-target arthropods other than bee** and non-target **terrestrial plants** are acceptable for the intended uses.

For aquatic organisms, as the toxicity reference value for copper proposed by the applicant was based on an approach rejected at European level, it could not be used. In addition, no reliable PECs were provided by the applicant for all uses. Therefore, the risk assessment for aquatic non-target species could not be finalised for uses in open field, in tunnels or in permanent greenhouses with soil-bound cultivation. For uses in permanent greenhouses with soil-less cultivation, the exposure of aquatic organisms to the active substance from the use of the product BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) is considered negligible.

For birds and mammals, the risk is not acceptable at Tier 1 for all intended uses. The arguments provided by the applicant to refine the risk assessment are identical to those that were considered insufficient at the European level. Therefore, without further data, the risk assessment for birds and mammals cannot be finalised except for applications under permanent greenhouse.

For bees, the risk assessment provided by the applicant is based on the EFSA Guidance Document¹⁵.

For adult honey bees, the risk is not acceptable at Tier 1 for all intended uses. Higher-tier studies (cage and tunnel tests) are available and demonstrate that no adverse effects on adult honey bees are expected for all intended uses.

For honey bee larvae, the risks are not acceptable at Tier 1 for all intended uses except for tomatoes, lettuce, potatoes, olives, pistachios and hazelnuts in open-field or in walk-in tunnels. For all other uses in open-field or in walk-in tunnels, the higher-tier studies are not sufficient to demonstrate the absence of adverse effects of the product BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) on honey bee larvae. Therefore, the risk assessment for honey bee larvae cannot be finalised for applications in open-field or in walk-in tunnels for all requested uses except for tomatoes, lettuce, potatoes, olives, pistachios and hazelnuts.

For bumble bees, no acute risk assessment was provided by the applicant, although standard study protocols are available. Therefore, the risk assessment for bumble bees cannot be finalised for applications in open-field or in walk-in tunnels.

Overall, the risk for bees cannot be finalised for all requested uses except for applications under permanent greenhouse. For these structures, the following precautionary statement should be applied: "May affect pollinators. Avoid unnecessary exposure".

For soil organisms, since no reliable PEC soil are available, a Tier 1 risk assessment cannot be conducted. For earthworms, the higher tier earthworm field trial data from a study conducted over 10 years with copper application every year demonstrates that there is an acceptable risk to earthworms for applications up to 4 kg Cu/ha/year. Therefore, an acceptable risk for earthworms is demonstrated for all intended uses of BOUILLIE BORDELAISE VALLES (BM 20 WP Blue).

For other soil meso- and macro-organisms, no higher-tier studies are available and extrapolating the results of the multiyear field study with earthworms to other soil meso- and macro-organisms was not supported by the experts at the Peer Review experts' meeting 169. Therefore, the risk for soil macro-organisms other than earthworms could not be finalised for all intended uses except for uses under permanent greenhouse with soil-less cultivation.

For soil micro-organisms, based on a lack of effect at field level, the risks to soil micro-organisms are acceptable for the intended uses.

3.8 Relevance of metabolites (Part B, Section 10)

¹⁵ EFSA Guidance Document on the risk assessment of plant protection products on bees (*Apis mellifera*, *Bombus* spp. and solitary bees), EFSA Journal 2013;11(7):3295

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An assessment was conducted according to the SANCO/221/2000 guidance document. Please refer to environmental fate and behaviour above for conclusion on the risk of groundwater contamination.

4 Conclusion of the national comparative assessment (Art. 50 of Regulation (EC) No 1107/2009)

BOUILLIE BORDELAISE VALLES (BM 20 WP Blue) contains copper compounds, which is approved as a candidate for substitution because it fulfills PBT criteria (Persistent and Toxic);

Steps 1 and 2 (French guidance document 27 July 2015):

- **Taking into account the agronomic interest, especially in the context of organic farming**

In accordance with Article 50, paragraphs 1.b) 1.c) and 1.d) of Regulation (EC) N°1107/2009,

- considering the absence of plant protection products or non-chemical methods of prevention or control allowing to consider a substitution of the product without major practical or economic disadvantage, and especially in the frame of organic farming,
- considering also the need to guarantee a diversity of the modes of action to reduce the emergence of resistance in target microorganisms,
- considering the need to take into account the minor uses of the product,

the substitution of the product will not be considered for all intended uses.

5 Further information to permit a decision to be made or to support a review of the conditions and restrictions associated with the authorisation

When the conclusions of the assessment is “Not acceptable”, please refer to relevant summary under point 3, “Background of authorisation decision and risk management”.

5.1.1 Post-authorisation monitoring

The monitoring of resistance to copper should be implemented (one monitoring for all products based on copper) on *Xanthomonas sp.* on vegetable crops (e.g. tomato) and walnut and the results should be provided at the time of the next renewal of the product’s authorisation.

5.1.2 Post-authorisation data requirements

None

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Appendix 1 Copy of the product authorisation



BOUILLIEBO_PREX_2
019-3079_D.pdf

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Appendix 2 Copy of the product label

The draft product label as proposed by the applicant is reported below. The draft label may be corrected with consideration of any new element. The label shall reflect the detailed conditions stipulated in the Decision.

BOUILLIE BORDELAISE UPL

FONGICIDE ET BACTÉRICIDE

Fongicide et bactéricide préventif à large spectre pour les vergers, la vigne, les cultures légumières, la pomme de terre, la betterave sucrière, les fraisiers et les cultures ornementales

Autorisation de Mise sur le Marché (A.M.M.) N° 7800305

Détenteur de l'A.M.M. : Industrias Químicas del Vallés, S.A. (Av. Rafael Casanova 81 - 08100 Mollet del Vallés - Barcelona, Espagne)

Contient 200 g/kg (20.0% p/p) de cuivre (sous forme de bouillie bordelaise)
Poudre mouillable (WP)

RESERVÉ À UN USAGE EXCLUSIVEMENT PROFESSIONNEL.

BOUILLIE BORDELAISE UPL (A.M.M. N° 7800305)		
Attention 	H410	Très toxique pour les organismes aquatiques, entraîne des effets néfastes à long terme.
	P391	Recueillir le produit répandu.
	P501	Éliminer le contenu/réceptacle conformément à la réglementation locale.
	Délai de rentrée sur la parcelle : 6 heures et, en cas d'application en milieu fermé, de 8 heures.	
	SPe3	Pour protéger les organismes aquatiques, respecter une zone non traitée par rapport aux points d'eau de : - 5 mètres avec dispositif végétalisé permanent de 5 mètres pour les usages sur agrumes, olive, vigne, tomate, aubergine, poivron, piment, poireau, oignon de printemps, ciboule, artichaut, céleri, cardon, brocoli, chou-fleur, concombre, courgette, cornichon, melon, pastèque, potiron, oignon, ail, échalote, laitue et autres salades, épinard, pourpier, feuilles de bettes, haricots non écosés et écosés frais, pois non écosés et écosés frais, lentilles fraîches, pomme de terre, betterave potagère, carotte et autres légumes racines, betterave sucrière et fraisier. - 20 mètres avec dispositif végétalisé permanent de 5 mètres pour les usages sur fruits à noyau, fruits à pépins et fruits à coque. - 20 mètres en plein champ pour les usages sur cultures ornementales.
EUH401	Respectez les instructions d'utilisation afin d'éviter les risques pour la santé humaine et l'environnement.	
SP1	Ne pas polluer l'eau avec le produit ou son emballage. Ne pas nettoyer le matériel d'application près des eaux de surface. Éviter la contamination via les systèmes d'évacuation des eaux à partir des cours de ferme ou des routes.	
FABRICANT : Adresse Tél. : xx xx xx xx xx		

EN CAS D'URGENCE

Composer le 15, le 112 ou contacter le centre anti-poison le plus proche

Puis signaler vos symptômes au réseau Phyt'Attitude. N° Vert : 0 800 887 887 (appel gratuit depuis un poste fixe).



Fiche de Données de Sécurité disponible sur demande pour les professionnels (ou sur www.quickfds.com).

Lire les instructions ci-jointes avant emploi.

EMB :

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N° de lot et date de fabrication : voir emballage

Version 1.0
XX kg e

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PREMIERS SOINS

En cas d'inhalation :

Transporter la victime à l'air libre et la garder au chaud et au repos.

En cas de contact avec les yeux :

Laver abondamment avec de l'eau douce et propre durant au minimum 15 minutes en maintenant les paupières écartées. Retirer les lentilles de contact si la victime en porte après 5 minutes de rinçage. Consulter un spécialiste.

En cas de contact avec la peau :

Enlever les vêtements imprégnés et laver soigneusement la peau avec de l'eau et du savon ou utiliser un nettoyant connu. Ne pas utiliser de solvants ou de diluants. En cas d'irritation, consulter un médecin.

En cas d'ingestion :

Rincer la bouche avec de l'eau et consulter un médecin ou un centre anti-poison. Montrer l'étiquette. Garder au repos.

Ne pas faire vomir.

Antidote : EDTA, BAL ou pénicillamine. Consulter immédiatement un médecin et lui montrer l'étiquette.

Traitement symptomatique : un lavage gastrique avec une solution lacto-albumine peut être nécessaire.

RECOMMANDATIONS D'EMPLOI

IMPORTANT : Lire attentivement les instructions de cette section afin de garantir une utilisation sûre et efficace de ce produit.

MODE D'ACTION

Le cuivre appartient au groupe FRAC M01. C'est un fongicide et bactéricide multi-site inorganique.

TABEAU DES USAGES

Culture	Cible	Dose homologuée	Nombre maximal de traitements par an*	Conditions d'emploi	Volume de bouillie conseillé L/ha min-max	Délai avant récolte (DAR)	Zone non traitée par rapport aux points d'eau
Citron, Mandarine, Orange, Pamplemousse, Clémentine, Limette	Alternariose (<i>Alternaria alternata</i> f. sp. <i>Citri</i>) Bactérioses (<i>Pseudomonas syringae</i> pv. <i>syringae</i>) Chancre du collet (<i>Phytophthora</i> spp.)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 15 (feuilles visibles mais n'ont pas encore atteint leur taille finale) à 89 (fruits mûrs)	1000-2000 L/ha	14 jours	5 mètres avec DVP** de 5 mètres
Abricotier, Cerisier, Pêcher, Nectarinier, Prunier, Mirabellier, Jujubier	Bactérioses (<i>Pseudomonas syringae</i> pv. <i>syringae</i>) Chancres à champignons (<i>Cytospora leucostoma</i>) Cloques (<i>Taphrina deformans</i>) Coryneum (<i>Stigmella corymbosa</i>) Monilioses (<i>Monilia</i> spp.)	3.75 à 5 kg/ha	4 (intervalle de 7 jours entre appl.)	BBCH 95 (sénescence - 50% des feuilles sont décolorées ou tombées) à 53 (éclatement des bourgeons)	400-1000 L/ha	-	20 mètres avec DVP** de 5 mètres
Cerisier	Anthraxose (<i>Blumeriella jappa</i>)	3.75 à 5 kg/ha	4 (intervalle de 7 jours entre appl.)	BBCH 95 (50% des feuilles sont décolorées ou tombées) à 53 (éclatement des bourgeons)	400-1000 L/ha	-	20 mètres avec DVP** de 5 mètres
Pommier, Poirier, Cognassier, Néflier, Nashi, Pommette	Bactérioses (<i>Pseudomonas syringae</i> pv. <i>populans</i>) Chancre européen (<i>Nectria galligena</i>) Feu bactérien (<i>Erwinia amylovora</i>) Monilioses (<i>Monilia</i> spp.) Tavelure (<i>Venturia</i> spp.)	3.75 à 5 kg/ha	4 (intervalle de 7 jours entre appl.)	BBCH 91 (début sénescence - fin de la croissance des rameaux, le bourgeon terminal est développé, les feuilles sont toujours vertes) à 53 (éclatement des bourgeons)	500-1000 L/ha	-	20 mètres avec DVP** de 5 mètres

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Culture	Cible	Dose homologuée	Nombre maximal de traitements par an*	Conditions d'emploi	Volume de bouillie conseillé L/ha min-max	Délai avant récolte (DAR)	Zone non traitée par rapport aux points d'eau
Amandier	Bactérioses (<i>Pseudomonas syringae</i> pv. <i>syringae</i>) Cloques (<i>Taphrina deformans</i>) Corneum (<i>Stigmia carpophila</i>) Monilioses (<i>Monilia</i> spp.)	3.75 à 5 kg/ha	4 (intervalle de 7 jours entre appl.)	BBCH 95 (50% des feuilles sont décolorées ou tombées) à 53 (éclatement des bourgeons)	500-1000 L/ha	-	20 mètres avec DVP** de 5 mètres
Noyer, Noisetier, Châtaignier, Pistachier	Alternariose (<i>Alternaria</i> spp.) Bactérioses (<i>Pseudomonas</i> spp. et <i>Xanthomonas</i> spp.) Dépérissement cryptogamique (<i>Cytospora</i> spp.) Septoriose (<i>Mycosphaerella</i> spp.)	3.75 à 5 kg/ha	4 (intervalle de 7 jours entre appl.)	BBCH 95 (50% des feuilles sont décolorées ou tombées) à 53 (éclatement des bourgeons)	500-1000 L/ha	-	20 mètres avec DVP** de 5 mètres
Olivier	Anthraxose (<i>Colletotrichum gloeosporioides</i>) Bactérioses (<i>Pseudomonas savastanoi</i> pv. <i>savastanoi</i>) Maladie de l'œil de paon (<i>Sclerotinia oleaginea</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 10 (développement des feuilles) à 85 (début de la coloration du fruit)	600-1000 L/ha	14 jours	5 mètres avec DVP** de 5 mètres
Vigne (raisin de cuve et raisin de table) (champ)	Anthraxose (<i>Elsinoe ampelina</i>) Bactérioses (<i>Xanthomonas ampelina</i>) Mildiou (<i>Plasmopara viticola</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 15 (3 feuilles étalées) à 81 (début de la maturation) et 91 (après la vendange : acotement du bois terminé)	400-1000 L/ha	21 jours	5 mètres avec DVP** de 5 mètres
Tomate, Aubergine (champ/ sous serre)	Bactérioses (<i>Pseudomonas syringae</i> et <i>Xanthomonas</i> spp.) Maladies des taches brunes (<i>Alternaria solani</i> , <i>Colletotrichum</i> spp.) Mildiou (<i>Phytophthora infestans</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 15 (5 feuilles étalées sur la tige principale) à 89 (fruits mûrs)	400-1000 L/ha	10 jours (plein champ) / 3 jours (sous serre)	5 mètres avec DVP** de 5 mètres
Poivron, Piment (champ/ sous serre)	Bactérioses (<i>Pseudomonas syringae</i> pv. <i>Syringae</i> et <i>Xanthomonas</i> spp.) Maladies des taches brunes (<i>Alternaria solani</i> , <i>Colletotrichum</i> spp.) Mildiou (<i>Phytophthora capsici</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 15 (5 feuilles étalées sur la tige principale) à 89 (fruits mûrs)	400-1000 L/ha	14 jours	5 mètres avec DVP** de 5 mètres
Poireau, Oignon de printemps, Ciboule Artichaut, Céleris (branche et rave), Cardon (champ)	Bactérioses (<i>Pseudomonas</i> spp. et <i>Xanthomonas</i> spp.) Maladies des taches brunes (<i>Alternaria</i> spp., <i>Ascochyta</i> spp.) Mildiou (<i>Bremia lactucae</i> , <i>Phytophthora porri</i> , <i>Plasmopara crustacea</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 14 (4 feuilles visibles/ étalées) à 51 (le bulbe commence à s'allonger/ la pousse principale commence à sortir)	400-1000 L/ha	7 jours	5 mètres avec DVP** de 5 mètres

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Culture	Cible	Dose homologuée	Nombre maximal de traitements par an*	Conditions d'emploi	Volume de bouillie conseillé L/ha min-max	Délai avant récolte (DAR)	Zone non traitée par rapport aux points d'eau
Brocoli, Chou-fleur (champ)	Bactérioses (<i>Pseudomonas</i> spp. et <i>Xanthomonas campestris</i> pv. <i>campestris</i>) Maladies des taches brunes (<i>Alternaria brassicae</i> , <i>Colletotrichum</i> spp.) Mildiou (<i>Hyaloperonospora brassicae</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 14 (4 feuilles étalées) à 59 (premiers pétalos visibles, fleurs toujours fermées)	400-1000 L/ha	14 jours	5 mètres avec DVP** de 5 mètres
Concombre, Courgette, Cornichon (champ/ sous serre)	Bactérioses (<i>Pseudomonas syringae</i> pv. <i>Lachrymans</i> et <i>Xanthomonas campestris</i> pc. <i>cucurbitae</i>) Maladies des taches brunes (<i>Alternaria cucumerina</i> , <i>Colletotrichum lagenarium</i>) Mildiou (<i>Pseudoperonospora cubensis</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 10 (cotylédons étalés) à 89 (maturation complète)	400-1000 L/ha	3 jours	5 mètres avec DVP** de 5 mètres
Melon, Pastèque, Potiron (champ/ sous serre)	Bactérioses (<i>Pseudomonas syringae</i> pv. <i>Lachrymans</i> et <i>Xanthomonas campestris</i> pc. <i>cucurbitae</i>) Maladies des taches brunes (<i>Alternaria cucumerina</i> , <i>Colletotrichum lagenarium</i>) Mildiou (<i>Pseudoperonospora cubensis</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 10 (cotylédons étalés) à 89 (maturation complète)	400-1000 L/ha	7 jours	5 mètres avec DVP** de 5 mètres
Oignon, Ail, Echalote (champ)	Bactérioses (<i>Pseudomonas</i> spp. et <i>Xanthomonas</i> spp.) Maladies des taches brunes (<i>Alternaria porri</i> , <i>Colletotrichum coccodes</i> , <i>Fleospora alli</i>) Mildiou (<i>Peronospora destructa</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 14 (4 feuilles visibles) à 47 (feuilles fanées dans 10% des plantes)	400-1000 L/ha	3 jours	5 mètres avec DVP** de 5 mètres
Laitue et autres salades : Mâche Scarole (endive à larges feuilles) Cresson Cresson de terre Roquette, Rucola Moutarde brune Feuilles et pousses de Brassica spp. (champ/ sous serre)	Bactérioses (<i>Pseudomonas</i> spp. et <i>Xanthomonas axonopodis</i> pv. <i>Vitians</i>) Mildiou (<i>Bremia lactucae</i>) Maladies des taches brunes (<i>Alternaria sonchi</i> , <i>Marcossonia panattoniana</i>) Sclerotiniose (<i>Sclerotinia minor</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 12 (2 feuilles étalées) à 49 (la taille typique de la masse foliaire est atteinte)	400-1000 L/ha	7 jours	5 mètres avec DVP** de 5 mètres
Epinaur, Pourpier, Feuilles de bettes (champ/ sous serre)	Bactérioses (<i>Pseudomonas</i> spp. et <i>Xanthomonas</i> spp.) Maladies des taches brunes (<i>Alternaria</i> spp., <i>Colletotrichum spinaciae</i>) Mildiou (<i>Peronospora farinosa</i> f. sp. <i>Spinaciae</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 12 (2 feuilles étalées) à 49 (la taille typique de la masse foliaire est atteinte)	400-1000 L/ha	7 jours	5 mètres avec DVP** de 5 mètres

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Culture	Cible	Dose homologuée	Nombre maximal de traitements par an*	Conditions d'emploi	Volume de bouillie conseillé L/ha min-max	Délai avant récolte (DAR)	Zone non traitée par rapport aux points d'eau
Haricots non écosés frais (haricots verts, etc.) Haricots écosés frais (fèves, flageolets, etc.) Pois non écosés frais (pois mange-tout) Pois écosés frais (pois potagers, pois frais, pois chiches) Lentilles fraîches (champ)	Bactérioses (<i>Pseudomonas</i> spp. et <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i>) Maladies des taches brunes (<i>Colletotrichum lindemuthianum</i> , <i>Septoria</i> spp.) Mildiou (<i>Peronospora viciae</i> , <i>Phytophthora phaseoli</i>) Rouilles (<i>Uromyces</i> spp.)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 14 (4 feuilles étalées ou 4 vrilles formées) à 89 (maturation complète)	400-1000 L/ha	3 jours	5 mètres avec DVP** de 5 mètres
Pomme de terre	Bactérioses (<i>Pseudomonas</i> spp. et <i>Xanthomonas</i> spp.) Maladies des taches brunes (<i>Alternaria solani</i> , <i>Colletotrichum coccodes</i>) Mildiou (<i>Phytophthora infestans</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 15 (5 ^{ème} feuille de la tige principale étalée) à 85 (baies de la première inflorescence ocre ou brunâtres)	400-1000 L/ha	14 jours	5 mètres avec DVP** de 5 mètres
Betterave potagère Carotte Raifort Topinambours Panais Persil à grosse racine Radis Salsifis Rutabagas Navets (champ)	Bactérioses (<i>Pseudomonas</i> spp. et <i>Xanthomonas campestris</i> pv. <i>carotae</i>) Maladies des taches brunes (<i>Alternaria dauci</i> , <i>Cercospora carotae</i> , <i>Colletotrichum</i> spp.) Mildiou (<i>Plasmopara nivea</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 15 (5 feuilles étalées) à 47 (racines, tiges ou tubercules ont atteint 70% de leur taille finale)	400-1000 L/ha	14 jours	5 mètres avec DVP** de 5 mètres
Betterave sucrière	Maladies du feuillage (<i>Cercospora beticola</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 39 (fermeture des lignes: environ 90% des plantes des lignes adjacentes se touchent) à 49 (racine de la betterave à sa taille de récolte)	400-1000 L/ha	14 jours	5 mètres avec DVP** de 5 mètres
Fraisier (champ/ sous serre)	Bactérioses (<i>Pseudomonas</i> spp. et <i>Xanthomonas fragariae</i>) Maladies des taches brunes (<i>Colletotrichum fragariae</i> , <i>Mycosphaerella fragariae</i>) Mildiou (<i>Phytophthora fragariae</i>)	3.75 à 5 kg/ha	5 (intervalle de 7 jours entre appl.)	BBCH 13 (3 feuilles étalées) à 85 (les premières fraises ont atteint la couleur spécifique de la variété)	400-1000 L/ha	7 jours	5 mètres avec DVP** de 5 mètres

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Culture	Cible	Dose homologuée	Nombre maximal de traitements par an*	Conditions d'emploi	Volume de bouillie conseillé L/ha min-max	Délai avant récolte (DAR)	Zone non traitée par rapport aux points d'eau
Arbres et Arbustes d'ornement Bulbes ornementaux Cultures florales et plantes vertes Rosier (champ/ sous serre)	Anthracnoses et maladies des taches foliaires (<i>Colletotrichum</i> spp., <i>Septoria</i> spp.) Mildiou (<i>Peronospora</i> spp.) Monilioses (<i>Monilia</i> spp.) Rouilles (<i>Puccinia</i> spp.)	3.75 à 5 kg/ha	3 (intervalle de 7 jours entre appl.)	Tous les stades	400-1000 L/ha	-	20 mètres en plein champ

* Seules les utilisations entraînant une application totale maximale de 28 kg de cuivre par hectare sur une période de 7 ans sont autorisées.

** DVP : Dispositif Végétalisé Permanent

LIMITES MAXIMALES DE RÉSIDUS (LMR)

Les LMR sont consultables à l'adresse suivante : <http://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/>

PRÉCONISATIONS D'EMPLOI

BOUILLIE BORDELAISE UPL est un fongicide et bactéricide préventif à large spectre. A base de cuivre, il est plus efficace contre les spores que contre les maladies déjà établies, il est donc recommandé de l'appliquer avant l'apparition de la maladie, ou dès que les premiers symptômes de la maladie sont visibles.

Dans des conditions très favorables au développement des maladies visées, il est recommandé d'alterner l'utilisation de BOUILLIE BORDELAISE UPL avec d'autres produits contenant des substances actives ayant un mode d'action différent.

PRÉPARATION DE LA BOUILLIE

Remplir à moitié la cuve avec de l'eau et mettre en marche l'agitation. Verser la quantité nécessaire de BOUILLIE BORDELAISE UPL dans la cuve du pulvérisateur. Remplir la cuve avec de l'eau au volume requis. Maintenir l'agitation durant toute la durée de l'application.

APPLICATION

Éviter tout risque de dérive de pulvérisation. Traiter par temps calme.

Ne pas laisser la bouillie dans la cuve du pulvérisateur pendant de longues périodes par exemple le temps des repas.

Appliquer en pulvérisation foliaire. Pour assurer une efficacité optimale, le matériel de pulvérisation doit être calibré afin de bien appliquer le produit sur l'ensemble des parties de la culture à protéger et assurer une distribution uniforme du produit sur la culture. Ajuster le volume de bouillie en fonction du matériel utilisé et du volume de végétation afin d'assurer une couverture complète de la végétation à protéger.

Appliquer préventivement avec un intervalle recommandé de 7 jours entre les applications. Cependant, en règle générale, les applications doivent toujours être adaptées à l'évolution de la maladie, de la culture traitée et aux conditions climatiques.

MÉLANGES

Les mélanges extemporanés doivent être mis en œuvre conformément à la réglementation en vigueur et aux recommandations des guides de bonnes pratiques officiels.

BOUILLIE BORDELAISE UPL est compatible avec la plupart des produits phytopharmaceutiques couramment utilisés, à l'exception de ceux ayant une forte réaction acide ou alcaline. Pour les mélanges, il est donc recommandé d'effectuer un test préalable avec une petite quantité de produits avant de généraliser le mélange.

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Protection de l'opérateur et du travailleur

Se laver les mains après toute manipulation/utilisation/intervention dans une parcelle préalablement traitée.

Ne pas manger, boire, téléphoner ou fumer lors de l'utilisation du produit.

Caractéristiques des EPI		PROTECTION DE L'UTILISATEUR PENDANT LES PHASES DE :			PROTECTION DU TRAVAILLEUR en cas d'intervention sur les parcelles traitées
		MÉLANGE/CHARGEMENT et NETTOYAGE	APPLICATION AVEC PULVERISATEUR PORTÉ OU TRAGÉ À RAMPE, PNEUMATIQUE OU ATOMISEUR TRACTEUR AVEC OU SANS CABINE	APPLICATION MANUELLE LANCE OU PULVERISATEUR A DOS	
GANTS EN NITRILE réutilisables (certifiés EN 374-3) ou à usage unique (certifiés EN 374-2)		Réutilisables	À usage unique, si intervention sur le matériel de pulvérisation	Réutilisables	
EPI VESTIMENTAIRE 65% polyester / 35% coton ≥ 230 g/m² + traitement déperlant		EPI vestimentaire ET EPI partiel			
EPI PARTIEL blouse ou tablier à manches longues catégorie III type PB3 certifié EN14605+A1					
LUNETTES ou ECRAN FACIAL certifiés EN 166:2002 (CE, sigle 3)					
PROTECTION RESPIRATOIRE masque (EN 136:1998 ou EN 140:1998) équipé d'un filtre P3 (EN143:2006) minimum					
BOTTES certifiées EN 13 832-3:2006					

Pour protéger l'opérateur :

- pendant le mélange/chargement et le nettoyage du matériel de pulvérisation, porter :

- Gants en nitrile certifiés EN 374-3,
- Combinaison de travail en polyester 65% / coton 35% avec un grammage de 230 g/m² ou plus avec traitement déperlant.
- EPI partiel (blouse ou tablier à manches longues) de catégorie III et de type PB (3) à porter par-dessus la combinaison précitée,
- Lunettes ou écran facial certifiés norme EN 166 (CE, sigle 3),
- Protection respiratoire certifiée : conforme aux normes EN 136 (masque complet) ou EN 140 (demi-masque) et équipée d'un filtre P3 (EN 143) au minimum.

- pendant l'application, porter :

Application avec tracteur avec cabine :

- Combinaison de travail en polyester 65% / coton 35% avec un grammage de 230 g/m² ou plus avec traitement déperlant.
- Gants en nitrile certifiés EN 374-2 à usage unique dans le cas d'une intervention sur le matériel pendant la phase de pulvérisation. Dans ce cas, les gants ne doivent être portés qu'à l'extérieur de la cabine et doivent être stockés après utilisation à l'extérieur de la cabine.

Application avec tracteur sans cabine :

- Combinaison de travail en polyester 65% / coton 35% avec un grammage de 230 g/m² ou plus avec traitement déperlant.
- Gants en nitrile certifiés EN 374-2 à usage unique, dans le cas d'une intervention sur le matériel pendant la phase de pulvérisation.

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Application manuelle avec une lance ou un pulvérisateur à dos :

- Combinaison de travail en polyester 65% / coton 35% avec un grammage de 230 g/m² ou plus avec traitement ~~déperlant~~.
- Gants en nitrile certifiés EN 374-3,
- Bottes de protection certifiées EN 13 832-3.

Pour protéger le travailleur :

Dans les cas où le travailleur serait amené à intervenir sur les parcelles traitées, porter une combinaison de travail en polyester 65% / coton 35% avec un grammage de 230 g/m² ou plus avec traitement ~~déperlant~~.

Rapporter les équipements de protection individuelle (EPI) usagés dans un sac translucide à votre distributeur partenaire ECO EPI ou faire appel à une entreprise habilitée pour la collecte et l'élimination de produits dangereux.

RÉSISTANCE

L'utilisation répétée, sur une même parcelle, de préparations à base de substances actives de la même famille chimique ou ayant le même mode d'action, peut conduire à l'apparition d'organismes résistants.

Pour réduire ce risque, l'utilisateur doit raisonner en premier lieu les pratiques agronomiques et respecter les conditions d'emploi du produit.

Il est conseillé d'alterner ou d'associer, sur une même parcelle, des préparations à base de substances actives de familles chimiques différentes ou à modes d'action différents, tant au cours d'une saison culturale que dans la rotation.

En dépit du respect de ces règles, on ne peut pas exclure une altération de l'efficacité de cette préparation liée à ces phénomènes de résistance. De ce fait, Industrias Químicas del Vallés décline toute responsabilité quant à d'éventuelles conséquences qui pourraient être dues à de telles résistances.

STOCKAGE

Conserver le produit uniquement dans son emballage d'origine, dans un local phytopharmaceutique conforme à la réglementation en vigueur, à l'écart des aliments et boissons, y compris ceux pour animaux.

Conserver hors de la portée des enfants et des personnes non autorisées.

NETTOYAGE DU PULVÉRISATEUR ET GESTION DES FONDS DE CUVE

À la fin de la période d'application avec le produit, l'intégralité de l'appareil (cuve, rampe, circuit, buses...) doit être rincée à l'eau claire additionnée d'un mouillant (recommandé pour le nettoyage des pulvérisateurs). Le rinçage du pulvérisateur, l'épandage ou la vidange du fond de cuve et l'élimination des effluents doivent être réalisés conformément à la réglementation en vigueur.

ÉLIMINATION DU PRODUIT ET DE SON EMBALLAGE

Réemploi de l'emballage interdit.

Apporter les emballages vidés et pliés à votre distributeur partenaire d'A.D.I.VALOR ou à un autre service de collecte spécifique.

Pour l'élimination des produits non utilisables, conserver le produit dans son emballage d'origine. Interroger votre distributeur partenaire d'A.D.I.VALOR ou faites appel à une entreprise habilitée pour la collecte et l'élimination des déchets dangereux.

En cas de déversement accidentel :

Se protéger (EPI) et sécuriser la zone. Prévenir les pompiers (18 ou 112) en cas de danger immédiat pour l'environnement que vous ne pouvez gérer avec vos propres moyens.

Collecter tout ce qui a pu être en contact avec le produit, terre souillée incluse. Nettoyer le site et le matériel utilisé, en prenant soin de confiner les effluents générés par l'opération de nettoyage. Les éliminer selon la réglementation en vigueur.



AVERTISSEMENT

Toute reproduction totale ou partielle de cette étiquette est interdite.

Respecter les usages, doses, conditions et précautions d'emploi mentionnés sur l'emballage. Ils ont été déterminés en fonction des caractéristiques du produit et des applications pour lesquelles il est préconisé. Conduire sur ces bases la culture et les traitements selon la bonne pratique agricole en tenant compte, sous la responsabilité de l'utilisateur, de tous les facteurs particuliers concernant votre exploitation, tels que la nature du sol, les conditions météorologiques, les méthodes culturales, les variétés végétales, la résistance des espèces...

Le fabricant garantit la qualité du produit vendu dans son emballage d'origine et stocké selon les conditions préconisées, ainsi que sa conformité à l'Autorisation de Mise sur le Marché délivrée par les autorités compétentes françaises. Pour les denrées issues de cultures protégées avec cette spécialité et destinées à l'exportation, il est de la responsabilité de l'exportateur de s'assurer de la conformité avec la réglementation en vigueur dans le pays importateur.