

# REGISTRATION REPORT

## **Part B**

### **Section 0**

Product Background, Regulatory Context and  
GAP information

Product code: Cymoxanil 33% + Zoxamide 33% WG

Product name(s): **Lieto 66 WG**

Chemical active substances:

Cymoxanil, 330 g/kg

Zoxamide, 330 g/kg

Central Zone

Zonal Rapporteur Member State: Poland

**CORE ASSESSMENT**

(product re-registration)

Applicant: Sipcam Oxon S.p.A.

Submission date: 30/12/2020

MS Finalisation date: September 2021

### **DATA PROTECTION CLAIM**

Under Article 59 of Regulation 1107/2009/EC, the applicant claims data protection for these studies. The data protection status and corresponding justification as valid for the respective country will be confirmed in the respective PART A.

### **STATEMENT FOR OWNERSHIP**

The summaries and evaluations contained in this review report may be based on unpublished proprietary data submitted for the purpose of the assessment undertaken by the regulatory authority that prepared it. Other registration authorities should not grant, amend, or renew a registration on the basis of the summaries and evaluation of unpublished proprietary data contained in this review report unless they have received the data on which the summaries and evaluation are based, either –

- from the owner of the data, or
- from a second party that has obtained permission from the owner of the data for this purpose or, alternatively, the applicant has received permission from the data owner that the summaries and evaluation contained in this Monograph or review report may be used in lieu of the data, or
- following expiry of any period of exclusive use, by offering – in certain jurisdictions – mandatory compensation, unless the period of protection of the proprietary data concerned has expired.

## Version history

When	What
30 <sup>th</sup> December 2020	Submission of initial Version 0 by the applicant.
September 2021	Version evaluated by zRMS PL

---

## Table of Contents

<b>0</b>	<b>Product background, regulatory context and GAP information .....</b>	<b>5</b>
0.1	Introduction.....	5
0.1.1	Reason for application .....	5
0.1.2	Details of zRMS(s) and concerned MS .....	6
0.1.3	Regulatory history of the active(s).....	6
0.1.3.1	Zoxamide .....	6
0.1.3.2	Cymoxanil.....	8
0.1.4	Regulatory history of the product .....	10
0.2	zRMS conclusion .....	10
<b>Appendix 1</b>	<b>ALL intended uses .....</b>	<b>13</b>

## 0 Product background, regulatory context and GAP information

### 0.1 Introduction

This document summarises the product background, regulatory context and GAP information for the authorisation of the plant protection product Cymoxanil 33% + Zoxamide 33 % WG (trade name e.g. Lieto 66 WG), a WG formulation containing 330 g/kg zoxamide and 330 g/kg cymoxanil, for authorisation in EU countries.

#### 0.1.1 Reason for application

Cymoxanil 33% + Zoxamide 33 % WG is a product on the EU market. It is a fungicide that has been jointly developed by the companies Gowan Crop Protection Ltd. (legal successor of the company Gowan Comercio Internacional e Servicos Limitada) and Sipcam Oxon S.p.A. (legal successor of the company OXON Italia S.p.A.). Cymoxanil 33% + Zoxamide 33 % WG is a fungicide, for which re-registration according to article 43 of regulation 1107/2009 is requested after the renewal of zoxamide according to Regulation (EU) 2018/692 of 7 May 2018.

The aim of this step of the art. 43 process is to update the existing dossier information with regard to and limited to new information on the active substance zoxamide as follows:

- to comply with data requirements or criteria which were not in force when the authorisation of the plant protection product was granted and
- to demonstrate that the formulated product meets the requirements set out in the Regulation on the renewal of approval of the active substance zoxamide and to comply with provisions of article 29 of Regulation (EU) No. 1107/2009 thereof.

Cymoxanil 33% + Zoxamide 33 % WG is a fungicide, for which re-registration according to article 43 of regulation 1107/2009 is requested here on behalf of Gowan Crop Protection Ltd., UK. **The same dossier is submitted by Gowan Crop Protection Ltd. and Sipcam Oxon S.p.A. for the renewal of authorisation of products in countries where they have identical GAP uses – see Point 0.1.2 and Appendix 1.**

The dossier follows the data requirements of

- Regulation (EC) No. 544/2011 for the active substance cymoxanil,
- Regulation (EC) No. 283/2013 for the active substance zoxamide and
- Regulation (EC) No. 284/2013 for the plant protection product Cymoxanil 33% + Zoxamide 33 % WG.

In accordance with article 43 of Regulation (EC) No. 1107/2009, studies on zoxamide, its metabolites and the plant protection product are submitted, while exemption from the submission of studies applies for the active substance cymoxanil and its metabolites. Cymoxanil is currently under renewal on EU level.

This dossier contains the consolidated version of the previous assessment for the parts which do not require a re-evaluation, including all assessment and data on cymoxanil. **The consolidated text has been shaded in grey in the present dRR sections.**

A Letter of Access of the company Sipcam Oxon SpA grants the right to Gowan Crop Protection Ltd. to refer to their active substance data. Sipcam Oxon SpA (legal successor of the company OXON Italia S.p.A.) has been a notifier during approval of cymoxanil on EU level and is a member of the Cymoxanil Task Force, a main notifier for cymoxanil during active substance renewal on EU level.

## 0.1.2 Details of zRMS(s) and concerned MS

**Table 0.1-1: Overview of zRMS and cMS – company Gowan Crop Protection Ltd. or its local subsidiaries on behalf of Gowan Crop Protection Ltd.**

	zRMS, product name and authorization no. (if relevant)	(if relevant) Concerned MS, MS' product name and authorization number (if applicable)
<b>Northern zone</b>	--	--
<b>Central zone</b>	Poland (PL), REBOOT 66 WG, Electis CX	Austria (AT), REBOOT Belgium (BE), REBOOT Germany (DE), REBOOT The Netherlands (NL), REBOOT United Kingdom (UK), REBOOT Slovenia (SI), REBOOT
<b>Southern zone</b>	Italy (IT), REBOOT	Spain (ES), ELECTIS CX Greece (EL), ELECTIS CX Croatia (HR), REBOOT France (FR), REBOOT, PAJO, IDAHO, KIMOFLEX

**Table 0.1-2: Overview of zRMS and cMS – company Sipcarn Oxon SpA**

	zRMS, product name and authorization no. (if relevant)	(if relevant) Concerned MS, MS' product name and authorization number (if applicable)
<b>Northern zone</b>	--	--
<b>Central zone</b>	Poland (PL), LIETO 66 WG	Hungary (HU), LIETO Romania (RO), LIETO, ZETANIL The Netherlands (NL), LIETO United Kingdom (UK), LIETO Check Republic (CZ), LIETO Ireland (IE), LIETO Slovakia (SK), LIETO
<b>Southern zone</b>	Italy (IT), LIETO, CYMZETA	Spain (ES), LIETO Greece (EL), LIETO WG Bulgaria (BG), LIETO Portugal (PT), LIETO

## 0.1.3 Regulatory history of the active(s)

### 0.1.3.1 Zoxamide

In 2004 the active substance zoxamide was listed in Annex I of Regulation (EU) 540/2011 (former Annex I of Directive 91/414/EEC) with Commission Directive 2003/119/EC of 5<sup>th</sup> December 2003. The original Rapporteur Member State (RMS) was the UK.

In 2014 the company Gowan Crop Protection Ltd. (former name Gowan Comércio Internacional e Serviços, Limitada) as sole notifier submitted a dossier to Latvia as RMS and France as co-RMS to support the renewal of the approval of the active substance zoxamide on EU level. The final Renewal Assessment Report (RAR) was issued in 2017 together with the EFSA Peer Review Conclusion (2017)<sup>1</sup> and the EC Renewal Report in 2018<sup>2</sup>. Commission Implementing Regulation (EU) 2018/846 extended the approval

<sup>1</sup> EFSA (2017): Conclusion on the peer review of the pesticide risk assessment of the active substance zoxamide. EFSA Journal 2017; 15 (9): 4980

<sup>2</sup> EC (2018) Renewal Report; SANTE/10052/2018 rev. 2, dated 23 March 2018

until 31 January 2019, but on 1<sup>st</sup> of July 2018 the active substance zoxamide got renewal of approval in the EU until 30<sup>th</sup> of June 2033 according to Commission Implementing Regulation (EU) No 844/2012. The applicant - the company Gowan Plant Protection Ltd. - is the sole owner of all zoxamide data.

In its Peer Review Conclusion, EFSA (2017) identified data gaps, including those areas in which a study may have been made available during the peer review process but was not considered for procedural reasons. A first set of Zoxamide, its metabolite's and impurities' studies has been provided to Latvia as interzonal RMS and all concerned MSs in July 2020. After consultation with EFSA, Latvia (as RMS for zoxamide AIR) agreed to take on this work and to review the additional zoxamide data in an interzonal procedure within art. 43 renewal of zoxamide products' authorisations according to Regulation (EC) No 1107/2009.

**Table 0.1-3: Summary of regulatory history of CAS No: 156052-68-5**

Status	
Approved in EU	Y
Commission Implementing Regulation	Commission Implementing Regulation (EU) 2018/692 dated 7 May 2018
RMS during AIR	Latvia
Date of Approval (or most recent renewal) of Active Substance	01/07/2018
Date of first Commission (re-registration) deadline (Step 1) or date of deadline for renewal of authorisation	31/01/2014
Date of final Commission (re-registration) deadline (Step 2)	31/07/2014 (date for submission of renewal dossier)
Current expiration of approval	30/06/2033
Low risk substance or Candidate for Substitution?	N/A

Issues that need to be considered as part of the EU approval are listed below.

In Commission Implementing Regulation (EU) 2018/692 dated 7 May 2018 it is concluded:

For the implementation of the uniform principles, as referred to in article 29 (6) of Regulation (EC) No 1107/2009, the conclusions of the EC Renewal Report on zoxamide (2018), and in particular appendices I and II thereto, shall be taken into account. In this overall assessment Member States shall pay particular attention to:

- the protection of groundwater from metabolite RH-141455,
- the protection of bees, aquatic organisms and earthworms.

Conditions of use shall include risk mitigation measures, where appropriate.

The applicant shall submit to the Commission, the Member States and the Authority confirmatory information as regards the effect of water treatment processes on the nature of residues present in drinking water within two years of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater is made public by the Commission.

The final Renewal Assessment Report (RAR) dated 2017 together with the EFSA Peer Review Conclusion (2017)<sup>3</sup> and the EC Renewal Report (2018)<sup>4</sup> are considered to provide the relevant dossier information on the active substance zoxamide. Gowan Crop Protection Ltd. presents in addition studies on zoxamide, its

<sup>3</sup> EFSA (2017): Conclusion on the peer review of the pesticide risk assessment of the active substance zoxamide. EFSA Journal 2017; 15 (9): 4980

<sup>4</sup> EC (2018) Renewal Report; SANTE/10052/2018 rev. 2, dated 23 March 2018

metabolites and impurities requested by EFSA (2017) and/or studies as far as necessary according to current guidelines, including those requested by EFSA in February 2017 and taken into account in the EC Renewal Report (2018) but not yet peer reviewed.

**Table 0.1-4: Information on minimum purity of zoxamide**

EU agreed minimum purity from Inclusion Directive or Implementing regulation	(if different) Minimum purity of active substance used in the product / information on available equivalency report *, **
min. 953 g/kg	min. 953 g/kg Equivalence report available: Y (see Vol. 4, Annex C (confidential information) of the RAR zoxamide, 2017) RMS: Latvia

\* Since EU approval new studies on the active substance have been performed (e.g. new manufacturing site, new specification) and as a result the purity of the active substance has changed (see Part C).

\*\* If the specification of the active substance is different to that used as reference specification for EU approval then please refer to the equivalency document from the RMS.

In case of deviations from the endpoints used in the assessments to the EU agreed endpoints (as laid down by EFSA, 2017), please refer to the information provided in the different dossier Sections together with respective justifications.

### 0.1.3.2 Cymoxanil

**Table 0.1-5: Summary of regulatory history of CAS No: No: 57966-95-7**

<b>Status</b>	
Approved in EU	Y
Original Inclusion Directive or Commission Implementing Regulation	Commission Directive 2008/125 Commission Implementing Regulation (EU) No 540/2011
RMS	AT
Date of Approval (or most recent renewal) of Active Substance (date of Regulation to be applied)	01-09-2009
Current expiration of approval	31-08-2021
Low risk substance or Candidate for Substitution?	No

Issues that need to be considered as part of the EU approval are listed below.

In this overall assessment Member States must pay particular attention to:

- the operator and worker safety and ensure that conditions of use prescribe the application of adequate personal protective equipment;
- the protection of the groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions;
- the protection of aquatic organisms and must ensure that the conditions of authorisation include risk mitigation measures such as buffer zones, where appropriate.

The SANCO report for Cymoxanil (SANCO/179/09 – 9 July 2010) is considered to provide the relevant information on the evaluation or a reference to where such information can be found. An EFSA Scientific

Report was made available on 18 September 2008.

**Table 0.1-6: Information on minimum purity of cymoxanil**

EU agreed minimum purity from Inclusion Directive or Implementing regulation	(if different) Minimum purity of active substance used in the product / information on available equivalency report *, **
950 g/kg	970 g/kg Equivalence report available: YRMS: AT

\* Since EU approval new studies on the active substance have been performed (e.g. new manufacturing site, new specification) and as a result the purity of the active substance has changed (see Part C).

\*\* If the specification of the active substance is different to that used as reference specification for EU approval then please refer to the equivalency document from the RMS.

The following table provides the endpoints used in the evaluation in the case that they deviate from EU endpoints.

Endpoint	Metabolite IN KQ960	
	EU agreed endpoint from (SANCO/179/08 – rev.1, 09/07/2008)	Endpoint used*
DT <sub>50</sub> [days]	<del>12.13</del> 11.2	<del>3.5</del> 3.49 2.76
Koc [mL/g]	21.6	<del>5.7</del> 5.13
Kfoc	-	4.6
1/n	1	<del>0.91</del> 0.97

\* Since EU approval new studies on the active substance have been performed (e.g. new manufacturing site, new specification, confirmatory data)

#### 0.1.4 Regulatory history of the product

Cymoxanil 33% + Zoxamide 33 % WG is a product on the EU market since 2014. It is a fungicide that has been jointly developed by the companies Gowan Crop Protection Ltd. (legal successor of the company Gowan Comercio Internacional e Servicos Limitada) and Sipcam Oxon S.p.A. (legal successor of the company OXON Italia S.p.A.). Cymoxanil 33% + Zoxamide 33 % WG is a fungicide, for which re-registration according to article 43 of regulation 1107/2009 is here requested on behalf of Gowan Crop Protection Ltd., UK. The product has not been evaluated as “representative formulation” during EU evaluation of data of the active substances.

**The same dossier is submitted by Gowan Crop Protection Ltd. and Sipcam Oxon S.p.A. for the renewal of authorisation of products in countries where they have identical GAP uses – see Point 0.1.2 and Appendix 1.**

#### 0.2 zRMS conclusion

zRMS to insert overall summary of the assessment focusing on the main conclusions only, including a grouping of safe uses, non-safe uses and uses for which the safety could only be established following additional risk mitigation at a national (non-core) level or the safety is to be confirmed by cMS.

##### Section 1,2,4 & 5: Identity, physicochemical properties and analytical methods:

All physicochemical data meet the requirements after renewal of zoxamide. The registration may be sustained after renewal of zoxamide.

##### Section 3. Efficacy:

The evaluation of the application resulted in the decision to grant the authorization of GWN-9823 (Lieto 66 WG) fungicide, containing the two active substances: zoxamide (330 g/L) and cymoxanil (330 g/L) in Poland, for control of Late blight (*Phytophthora infestans* - PHYTIN) in potato.

This fungicide is approved for the use in Poland and the range of its re-registration is the same as current registration. Since the previous submissions supporting current authorisation of GWN-9823, there are no changes in the label, with the exception of reduction in the numbers of applications to maximum 3 per season, for the purpose of resistance management.

GWN-9823 is intended to use in potato at the maximum rate of 0.45 kg/ha, with a maximum of 3 applications per season, made within the crop growth stages between BBCH 13-89 and with minimum intervals between applications of 7-10 days and applications made in water volumes of 200-400 L/ha.

In other countries GWN-9823 is intended to use for control of Late blight (*Phytophthora infestans* - PHYTIN) in potato (all cMS countries) and tomato (Romania) and Downy mildew (*Plasmopara viticola* - PLASVI) in grapevine (Austria, Romania, Slovenia and Hungary).

##### Section 6. Toxicology and health risk:

Reboot 66 WG should be classified Acute Tox. 4, H302; Skin Sens. 1, H317; Repr. 2, H361fd and STOT RE 2, H373. The systemic exposure of operator applying Cymoxanil 33% + Zoxamide 33% WG (Reboot) to high crops (grapes) at dose of 0.45 kg of product/ha (0.1485 kg of each a.s./ha), using tractor-mounted airblast sprayer and wearing protective gloves and work clothing (long sleeved shirt, long trousers, sturdy boots ) during mixing/loading and application and in addition hood and visor during application is not posing an unacceptable systemic health risk. Application of this product on grapes using hand-held sprayer or knapsack sprayer or on potatoes using tractor-mounted boom sprayer does not pose an unacceptable health risk to operator wearing protective gloves and work clothing (long sleeved shirt, long trousers, sturdy

boots ) during mixing/loading and application. Given the toxicological properties and classification of the formulation Cymoxanil 33% + Zoxamide 33% WG (Reboot) according to Regulation 1272/2008/EC, as Skin Sens..1, H317, Repr. 2; H361fd and STOT RE 2 wearing by operator protective gloves and protective clothing is recommended when handling the concentrate.

Workers re-entering for 8 hours for tying or hand harvesting fields of grapes treated with Reboot WG are only allowed to do so on second day after treatment, while workers are allowed re-entering fields of potatoes treated with Cymoxanil 33% + Zoxamide 33% WG (Reboot) for inspection when the spray solution has been fully dried out. The health risk for adult and child residents to both active substances (Cymoxanil and Zoxamide) of a formulation Reboot 66 WG applied 3 times per season at 7 days interval at dose of 0.45 kg product/ha (0.1485 kg of each a.s./ha) in 400 L/ha water as foreseen in modified GAP on grapes is acceptable if a 10 m buffer zone is obeyed and airblast sprayer is equipped with drift reduction technology (DRF).

#### Section 7. Residues:

This assessment is for Central Zone only, and tomato, as the subject of the specific zonal situation and the use not included in the evaluated B7 GAP table 7.1-1, is excluded from this re-registration assessment. The evaluation of the application for the product resulted in the decision to grant the authorization. The data submitted are sufficient to demonstrate the safe use of the product for consumers. The relevant MRLs are not expected to be exceeded. The required analytical methods are available. All uses in Central Zone applied for were authorised.

#### Section 8. Fate and behaviour:

All relevant data for exposure assessment were submitted. Considering the intended uses of Cymoxanil 33% + Zoxamide 33 %/ Lieto 66 WG, the predicted environmental concentrations in soil, groundwater and surface water and air of active substances and formulation were calculated and accepted. The mitigation measures were proposed and final decision will be made in ecotoxicological section.

#### Section 9. Ecotoxicology:

Based on the risk assessment in section B9 it can be concluded that the proposed use pattern of Cymoxanil 33% + Zoxamide 33 %/ Lieto 66 WG poses acceptable risk to non-target organisms. Particular precautions to reduce the environmental concentrations resulting from Cymoxanil 33% + Zoxamide 33 %/ Lieto 66 WG applications are required for aquatic organisms.

Uses to be considered safe on the basis of EU methodology:

Residues: 1 – 10; 12 – 16

Other: 1 – 16

Uses to be considered non-safe on the basis of EU methodology:

Insert relevant use number from GAP table in Appendix 1 and refer to relevant RR chapter with identified risk.

None

Uses for which safety has been established only following additional risk mitigation at a national (non-

core) level or for which the evaluation is to be confirmed by relevant cMS:

Toxicology: 13-16

Fate and behaviour: All relevant data (predicted environmental concentration in soil, groundwater and surface water) were sufficient for exposure assessment. Mitigation measures were proposed.

All uses/ GAPs are covered by established MRLs.

zRMS may insert more details of the overall summary of the assessment, focusing on the main conclusions only.

## Appendix 1 ALL intended uses

GAP rev. 0 date: 2020-12-02

PPP (product name/code):	Cymoxanil 33% + Zoxamide 33 % WG / e.g. Lieto 66 WG	Formulation type:	WG <sup>(a, b)</sup>
Active substance 1:	Zoxamide	Conc. of as 1:	330 g/kg
Active substance 2:	Cymoxanil	Conc. of as 2:	330 g/kg
Safener:	--	Conc. of safener:	-- <sup>(c)</sup>
Synergist:	--	Conc. of synergist:	-- <sup>(c)</sup>
Applicant:	Sipcam Oxon S.p.A.	Professional use:	X
Zone(s):	Central/southern <sup>(d)</sup>	Non professional use:	<input type="checkbox"/>
Verified by MS:	yes		
Field of use:	fungicide		

**Central zone**

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. <sup>(e)</sup>	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: develop- mental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha <sup>(f)</sup>
					Method / Kind	Timing / Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season	Min. interval between ap- plications (days)	kg product / ha a) max. rate per appl. b) max. total rate per crop/season	kg as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha  min / max		
<b>Details of existing uses</b>													
1	PL	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200-400	7	<b>Registration holder: Gowan and Sipcarn Oxon</b>  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
2	CZ	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	<b>Registration holder: Sipcarn Oxon</b>  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
3	IE	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	<b>Registration holder: Sipcarn Oxon</b>  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. <sup>(e)</sup>	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: develop- mental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha <sup>(f)</sup>
					Method / Kind	Timing / Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season	Min. interval between ap- plications (days)	kg product / ha a) max. rate per appl. b) max. total rate per crop/season	kg as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha  min / max		
4	NL	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	<b>Registration holders: Sipcam Oxon and Gowan (back-to-back approval from Sip- cam-Oxon)</b>  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
5	HU	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-91	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	300-600	7	<b>Registration holder: Sipcam Oxon</b>  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
6	DE	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	<b>Registration holder: Gowan</b> Application in case of risk of infection and/or after warning alert. Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. <sup>(e)</sup>	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: develop- mental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha <sup>(f)</sup>
					Method / Kind	Timing / Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season	Min. interval between ap- plications (days)	kg product / ha a) max. rate per appl. b) max. total rate per crop/season	kg as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha  min / max		
7	AT	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	<b>Registration holder: Gowan</b> Application in case of risk of infection and/or after warning alert. Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
8	BE	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	<b>Registration holder: Gowan</b> Application in case of danger of infection and/or after warning service appeal. Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
9	RO	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	a) 3 3	10	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	<b>Registration holder: Sipcam Oxon</b>

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. <sup>(e)</sup>	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: develop- mental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha <sup>(f)</sup>
					Method / Kind	Timing / Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season	Min. interval between ap- plications (days)	kg product / ha a) max. rate per appl. b) max. total rate per crop/season	kg as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha  min / max		
10	SI	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	a) 3 b) 3	7-10	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200-600	7	<b>Registration holder: Gowan</b> Application in case of risk of infection and/or after warning alert. Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
<del>11</del>	<del>UK</del>	<del>Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU</del>	<del>F</del>	<del>potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN</del>	<del>Foliar spraying</del>	<del>BBCH 21-89</del>	<del>a) 3 b) 3</del>	<del>7</del>	<del>a) 0.45 kg/ha b) 1.35 kg/ha</del>	<del>a) 0.1485 kg/ha b) 0.4455 kg/ha</del>	<del>200- 1000</del>	<del>7</del>	<del><b>Registration holders: Gowan and Sipcam Oxon</b> Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.</del>
12	SK	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	c) 3 d) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	<b>Registration holder: Sipcam Oxon</b> Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. <sup>(e)</sup>	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: develop- mental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha <sup>(f)</sup>
					Method / Kind	Timing / Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season	Min. interval between ap- plications (days)	kg product / ha a) max. rate per appl. b) max. total rate per crop/season	kg as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha  min / max		
13	RO	Wine grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14-89	a) 3 b) 3	10	a) 0.40 kg/ha b) 1.2 kg/ha	a) 0.132 kg/ha b) 0.396 kg/ha	200- 1000	28	<b>Registration holder: Sipcam Oxon</b>  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
14	AT	Wine and table grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 15-89	a) 3 b) 3	7	a) 0.40 kg/ha b) 1.2 kg/ha	a) 0.132 kg/ha b) 0.396 kg/ha	1000 (cal- cula- tion ba- sis)	28	<b>Registration holder: Gowan</b>  Application rates de- pending on the crop density and the crop de- velopment stages: till BBCH 61: 0.08-0.2 kg/ha till BBCH 71: 0.13-0.3 kg/ha from BBCH 71: 0.2-0.4 kg/ha Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. <sup>(e)</sup>	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: develop- mental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha <sup>(f)</sup>
					Method / Kind	Timing / Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season	Min. interval between ap- plications (days)	kg product / ha a) max. rate per appl. b) max. total rate per crop/season	kg as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha  min / max		
15	HU	Wine grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 57-79	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	300-800	30	<b>Registration holder: Sipcam Oxon</b>  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
16	SI	Wine and table grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 15-89	a) 3 b) 3	7-10	a) 0.40 kg/ha b) 1.2 kg/ha	a) 0.132 kg/ha b) 0.396 kg/ha	up to 1000	28	<b>Registration holder: Gowan</b>  Application in case of risk of infection and/or after warning alert. Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
48	RO*	Tomatoes <i>Solanum</i> <i>lycopersicum</i> (L.) LYPES	F	tomato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 13-89	a) 3 b) 3	7	a) 0.4 kg/ha b) 1.2 kg/ha	a) 0.132 kg/ha b) 0.396 kg/ha	500-800	3	<b>Registration holder: Sipcam Oxon</b>
<b>Zonal uses (field or outdoor uses, certain types of protected crops)</b>													
1-12	PL, NL, HU, DE, AT, BE, RO, SI, CZ, IE, UK, SK	Potatoes	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	a) 3 b) 3	7-10	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. <sup>(e)</sup>	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: develop- mental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha <sup>(f)</sup>
					Method / Kind	Timing / Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season	Min. interval between ap- plications (days)	kg product / ha a) max. rate per appl. b) max. total rate per crop/season	kg as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha  min / max		
13-16	RO, AT, HU, SI	Wine and table grapes	F	grape downy mildew Plasmopara viticola PLASVI	Foliar spraying	BBCH 14-89	a) 3 b) 3	7-10	a) 0.40-0.45 kg/ha b) 1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	28	Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
48	RO*	Tomatoes Solanum lycopersicum (L.) LYPES	F	tomato late blight Phytophthora infestans (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 13-89	a) 3 b) 3	7	a) 0.4 kg/ha b) 1.2 kg/ha	a) 0.132 kg/ha b) 0.396 kg/ha	500-800	3	<b>Registration holder: Sipcam Oxon</b>
<b>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)</b>													
<b>Minor uses according to Article 51 (zonal uses)</b>													
<b>Minor uses according to Article 51 (interzonal uses)</b>													

\*submitted as National Addendum

**Southern zone**

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No.	Member state(s)	Crop and/ or situation  (crop destination/ purpose of crop)	F G or I	Pests or Group of pests controlled  (Additionally: developmen- tal stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha
					Method/ Kind	Timing/ Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season	Min. interval between ap- plications (days)	kg product / ha a) max. rate per appl. b) max. total rate per crop/season	g as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min /max		
<b>Details of existing uses</b>													
17	IT	Wine grapes <i>Vitis vinifera</i> (L.) ssp. <i>Sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	a) 3 b) 3	7-10	a) 0.40-0.45 kg/ha b) 1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	28	<b>Registration holder: Gowan and Sipeam Oxon</b>  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
18	ES	Wine grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	a) 3 b) 3	7	a) 0.40 kg/ha b) 1.2 kg/ha	a) 0.132 kg/ha b) 0.396 kg/ha	200- 1000	28	<b>Registration holder: Gowan and Sipeam Oxon</b>
19	BG	Wine grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14-89	a) 3 b) 3	7-10	a) 0.40-0.45 kg/ha b) 1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	28	<b>Registration holder: Sipeam Oxon</b>  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
20	EL	Wine grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	a) 3 b) 3	7-10	a) 0.35-0.40 kg/ha b) 1.05-1.2 kg/ha	a) 0.1155-0.132 kg/ha b) 0.35-0.396 kg/ha	200- 1000	28	<b>Registration holder: Gowan and Sipeam Oxon</b>
21	HR	Wine grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	a) 3 b) 3	7-10	a) 0.35-0.40 kg/ha b) 1.05-1.2 kg/ha	a) 0.1155-0.132 kg/ha b) 0.35-0.396 kg/ha	200- 1000	28	<b>Registration holder: Gowan</b>

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No.	Member state(s)	Crop and/ or situation  (crop destination/ purpose of crop)	F G or I	Pests or Group of pests controlled  (additionally: developmen- tal stages of the pest or pest group)	Application			Min. interval between ap- plications (days)	Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha
					Method / Kind	Timing / Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season		kg product / ha a) max. rate per appl. b) max. total rate per crop/season	g as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max		
22	PT	Wine grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 17-89	a) 3 b) 3	7-10	a) 0.35-0.40 kg/ha b) 1.05-1.2 kg/ha	a) 0.1155-0.132 kg/ha b) 0.35-0.396 kg/ha	300- 1000	28	Registration holder: Sipeam-Oxon
23	FR	Wine grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	a) 2 b) 2	7	a) 0.45 kg/ha b) 0.9 kg/ha	a) 0.1485 kg/ha b) 0.297 kg/ha	200- 1000	28	Registration holder: Gowan
24	IT	Table grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	e) 3 a) 3	7-10	a) 0.40-0.45 kg/ha b) 1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	28	Registration holder: Gowan and Sipeam Oxon  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
25	ES	Table grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	a) 3 b) 3	7	a) 0.40 kg/ha b) 1.2 kg/ha	a) 0.132 kg/ha b) 0.396 kg/ha	200- 1000	28	Registration holder: Gowan and Sipeam Oxon
26	BG	Table grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	a) 3 b) 3	7	a) 0.40 kg/ha b) 1.2 kg/ha	a) 0.132 kg/ha b) 0.396 kg/ha	200- 1000	28	Registration holder: Sipeam-Oxon
27	EL	Table grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	a) 3 b) 3	7-10	a) 0.35-0.40 kg/ha b) 1.05-1.2 kg/ha	a) 0.1155-0.132 kg/ha b) 0.35-0.396 kg/ha	200- 1000	28	Registration holder: Gowan and Sipeam Oxon
28	PT	Table grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 17-89	a) 3 b) 3	7	a) 0.35-0.40 kg/ha b) 1.05-1.2 kg/ha	a) 0.1155-0.132 kg/ha b) 0.35-0.396 kg/ha	300- 1000	28	Registration holder: Sipeam-Oxon

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No.	Member state(s)	Crop and/ or situation  (crop destination/ purpose of crop)	F G or I	Pests or Group of pests controlled  (additionally: developmen- tal stages of the pest or pest group)	Application			Min. interval between ap- plications (days)	Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha
					Method/ Kind	Timing/ Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season		kg product / ha a) max. rate per appl. b) max. total rate per crop/season	g as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max		
29	FR	Table grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	a) 2 b) 2	7	a) 0.45 kg/ha b) 0.9 kg/ha	a) 0.1485 kg/ha b) 0.297 kg/ha	200- 1000	28	Registration holder: Gowan and Sipeam Oxon
30	HR	Table grapes <i>Vitis vinifera</i> (L.) ssp. <i>sativa</i> VITVI	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	a) 3 b) 3	7-10	a) 0.40 kg/ha b) 1.20 kg/ha	a) 0.132 kg/ha b) 0.396 kg/ha	200- 1000	28	Registration holder: Gowan
31	IT	Tomatoes <i>Solanum lycopersicum</i> (L.) LYPES	F	tomato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 51 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.40-0.45 kg/ha b) 1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	3	Registration holder: Gowan and Sipeam Oxon  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
32	ES	Tomatoes <i>Solanum lycopersicum</i> (L.) LYPES	F	tomato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 51 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.40-0.45 kg/ha b) 1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.4455 kg/ha	500-800	3	Registration holder: Gowan and Sipeam Oxon
33	BG	Tomatoes <i>Solanum lycopersicum</i> (L.) LYPES	F	tomato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 51 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.40-0.45 kg/ha b) 1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.4455 kg/ha	500-800	3	Registration holder: Sipeam Oxon  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No.	Member state(s)	Crop and/ or situation  (crop destination/ purpose of crop)	F G or I	Pests or Group of pests controlled  (additionally: developmen- tal stages of the pest or pest group)	Application			Min. interval between ap- plications (days)	Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha
					Method/ Kind	Timing/ Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season		kg product / ha a) max. rate per appl. b) max. total rate per crop/season	g as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max		
34	EL	Tomatoes <i>Solanum lycopersicum</i> (L.) LYPES	F	tomato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 51 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.40-0.45 kg/ha b) 1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.4455 kg/ha	500-800	3	Registration holder: Gowan and Sipeam Oxon
35	PT	Tomatoes <i>Solanum lycopersicum</i> (L.) LYPES	F	tomato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 51 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.40-0.45 kg/ha b) 1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.4455 kg/ha	500-800	3	Registration holder: Sipeam Oxon
36	FR	Tomatoes <i>Solanum lycopersicum</i> (L.) LYPES	F	tomato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 51 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.4 kg/ha b) 1.35 kg/ha	a) 0.132 kg/ha b) 0.396 kg/ha	500-800	3	Registration holder: Gowan  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
37	HR	Tomatoes <i>Solanum lycopersicum</i> (L.) LYPES	F	tomato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 51 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.4-0.45 kg/ha b) 1.2-1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.396-0.445 kg/ha	500-800	3	Registration holder: Gowan
38	ES	Eggplants <i>Solanum melongena</i> (L.) SOLME	F	<i>Phytophthora sp</i> PHYTSP	Foliar spraying	BBCH 51 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.4-0.45 kg/ha b) 1.2-1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.396-0.4455 kg/ha	500-800	3	Registration holder: Gowan and Sipeam Oxon
39	EL	Eggplants <i>Solanum melongena</i> (L.) SOLME	F	<i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 51 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.4-0.45 kg/ha b) 1.2-1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.396-0.4455 kg/ha	500-800	3	Registration holder: Gowan and Sipeam Oxon

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No.	Member state(s)	Crop and/ or situation  (crop destination/ purpose of crop)	F G or I	Pests or Group of pests controlled  (additionally: developmen- tal stages of the pest or pest group)	Application			Min. interval between ap- plications (days)	Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha
					Method / Kind	Timing / Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season		kg product / ha a) max. rate per appl. b) max. total rate per crop/season	g as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max		
40	HR	Eggplants <i>Solanum melongena</i> (L.) SOLME	F	<i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 51 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.4-0.45 kg/ha b) 1.2-1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.396-0.4455 kg/ha	500-800	3	Registration holder: Gowan
41	FF	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21 until PHI of 7 days	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	Registration holder: Gowan and Sipeam Oxon  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
42	ES	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21 until PHI of 7 days	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	Registration holder: Gowan and Sipeam Oxon
43	BG	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	Registration holder: Sipeam Oxon  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
44	EL	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21 until PHI of 7 days	a) 3 b) 3	7-10	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	Registration holder: Gowan and Sipeam Oxon

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No.	Member state(s)	Crop and/ or situation  (crop destination/ purpose of crop)	F G or I	Pests or Group of pests controlled  (additionally: developmen- tal stages of the pest or pest group)	Application			Min. interval between ap- plications (days)	Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha
					Method/ Kind	Timing/ Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season		kg product / ha a) max. rate per appl. b) max. total rate per crop/season	g as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max		
45	PT	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21-89	a) 3 b) 3	7-10	a) 0.40-0.45 kg/ha b) 1.2-1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.396-0.4455 kg/ha	200- 1000	7	<b>Registration holder: Sipeam-Oxon</b>
46	FR	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21 until PHI of 7 days	a) 3 b) 3	7-10	a) 0.35 kg/ha b) 1.35 kg/ha	a) 0.115 kg/ha b) 0.345 kg/ha	200- 1000	7	<b>Registration holder: Gowan</b>  Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
47	HR	Potatoes <i>Solanum tu- berosum</i> (L.) SOLTU	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21 until PHI of 7 days	a) 3 b) 3	7	a) 0.45 kg/ha b) 1.35 kg/ha	a) 0.1485 kg/ha b) 0.445 kg/ha	200- 1000	7	<b>Registration holder: Gowan</b>
<b>Zonal uses (field or outdoor uses, certain types of protected crops)</b>													
17-23	IT, ES, PT, EL, FR, BG, HR	Wine grapes	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	a) 2-3 b) 2-3	7-10	a) 0.35-0.45 kg/ha b) 1.35 kg/ha	a) 0.1155-0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	28	Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
24-30	IT, ES, PT, EL, FR, BG, HR	Table grapes	F	grape downy mildew <i>Plasmopara viticola</i> PLASVI	Foliar spraying	BBCH 14 till PHI of 28 days	a) 2-3 b) 2-3	7-10	a) 0.35-0.45 kg/ha b) 1.35 kg/ha	a) 0.1155-0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	28	Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No.	Member state(s)	Crop and/ or situation  (crop destination / purpose of crop)	F G or I	Pests or Group of pests controlled  (additionally: developmen- tal stages of the pest or pest group)	Application			Min. interval between ap- plications (days)	Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha
					Method / Kind	Timing / Growth stage of crop & sea- son	Max. number a) per use b) per crop/ season		kg product / ha a) max. rate per appl. b) max. total rate per crop/season	g as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max		
31-37	IT, ES, PT, EL, FR, BG, HR	Tomatoes	F	tomato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 51 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.4-0.45 kg/ha b) 1.2-1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.396-0.445 kg/ha	200- 1000	3	Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
38-40	ES, EL, HR	Eggplants	F	<i>Phytophthora sp</i> PHYTSP	Foliar spraying	BBCH 51 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.4-0.45 kg/ha b) 1.2-1.35 kg/ha	a) 0.132-0.1485 kg/ha b) 0.396-0.445 kg/ha	200- 1000	3	Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
41-47	IT, ES, PT, EL, FR, BG, HR	Potatoes	F	potato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 21 until PHI of 7 days	a) 3 b) 3	7-10	a) 0.35-0.45 kg/ha b) 1.35 kg/ha	a) 0.115-0.1485 kg/ha b) 0.4455 kg/ha	200- 1000	7	Due to resistance man- agement reasons the maximum number of applications will be re- stricted to 3.
48	RO*	Tomatoes <i>Solanum lycopersicum</i> (L.) LYPES	F	tomato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 13-89	a) 3 b) 3	7	a) 0.4 kg/ha b) 1.2 kg/ha	a) 0.132 kg/ha b) 0.396 kg/ha	500-800	3	<b>Registration holder: Sipcam Oxon</b>
<b>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)</b>													
49	EL*	Tomatoes <i>Solanum lycopersicum</i> (L.) LYPES	G	tomato late blight <i>Phytophthora infestans</i> (Mont. De Bary) PHYTIN	Foliar spraying	BBCH 13 until PHI of 3 days	a) 3 b) 3	7-10	a) 0.3 kg/ha b) 0.9 kg/ha	a) 0.1 kg/ha b) 0.3 kg/ha	800	3	<b>Registration holder: Gowan</b>
50	EL*	Tomatoes <i>Solanum lycopersicum</i> (L.) LYPES	G	<i>Stemphylium solani</i> STEMSO	Foliar spraying	BBCH 13-19	a) 3 b) 3	7-10	a) 0.3 kg/ha b) 0.9 kg/ha	a) 0.1 kg/ha b) 0.3 kg/ha	800	3	<b>Registration holder: Sipcam Oxon</b>

\*submitted as National Addendum

**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 authorization possible for uses where the line is highlighted in grey. Use should be crossed out when the notifier no longer supports this use.

**Remarks columns:**

- 1 — Numeration necessary to allow references
- 2 — Use official codes/nomenclatures of EU Member States
- 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)
- 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
- 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.
- 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.

- 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
- 8 — The maximum number of application possible under practical conditions of use must be provided.
- 9 — Minimum interval (in days) between applications of the same product
- 10 — For specific uses other specifications might be possible, e.g.: g/m<sup>3</sup> in case of fumigation of empty rooms. See also EPPO Guideline PP-1/239 Dose expression for plant protection products.
- 11 — The dimension (g, kg) must be clearly specified. (Maximum) dose of a.s. per treatment (usually g, kg or L product / ha).
- 12 — If water volume range depends on application equipment (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