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| REGISTRATION REPORT  Part B  Section 0  **Product Background, Regulatory Context and  GAP information** |
| Product code: BAS 736 00 F  Product name(s): **Miralon**  Chemical active substance(s):  Fluxapyroxad, 50 g/L Azoxystrobin, 75 g/L |
| Central Zone  Zonal Rapporteur Member State: Poland |
| CORE ASSESSMENT  (new authorization) |
| Applicant: BASF  Submission date: 12/2021  Evaluation date: September 2022  MS Finalisation date: January 2023 |

Version history

|  |  |
| --- | --- |
| When | What |
| 12/2021 | Initial dRR - BASF DocID 2020/2101106 |
| 09/2022 | Version evaluated by zRMS PL |
| 01/2023 | zRMS-PL changes as result of MSs comments |
|  |  |

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# Product background, regulatory context and GAP information

## Introduction

### Reason for application

This application was submitted for the approval of BAS 736 00F, a new emulsifiable concentrate formulation containing 50 g/L fluxapyroxad and 75 g/L azoxystrobin.

This application follows the data requirements for the active substance laid down in Regulation (EC) No. 544/2011 and the data requirements for the plant protection product laid down in Regulation (EC) No. 284/2013.

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

Table 0.1‑1: Overview of zRMS and cMS

|  | zRMS, product name and authorization no. (if relevant) | (if relevant) Concerned MS, MS’ product name and authorization number  (if applicable) |
| --- | --- | --- |
| Northern zone | Lithuania | EE, LV, SE, FI |
| Central zone | Poland | AT, BE, CZ, DE, HU, IE, NL, RO, SI, SK |
| Southern zone | France | ES, IT, PT, GR, HR |

### 

### Regulatory history of the active(s)

#### Fluxapyroxad

Table 0.1‑2: Summary of regulatory history of CAS No: 907204-31-3

| Status |  |
| --- | --- |
| Approved in EU | Y |
| Original Inclusion Directive  or  Commission Implementing Regulation | Commission Implementing Regulation (EU) No 589/2012 |
| RMS (original approval) | United Kingdom |
| Date of Approval (or most recent renewal) of Active Substance (date of Regulation to be applied) | 01.01.2013 |
| Date of first Commission (re-registration) deadline (Step 1) or date of deadline for renewal of authorization (renewal) | N/A |
| Date of final Commission (re-registration) deadline (Step 2) | N/A |
| Current expiration of approval | 31.05.2025 |
| 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 this overall assessment Member States must pay particular attention to the:

* risk to groundwater, if the active substance is applied under vulnerable soil and/or climatic conditions.

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

The SANCO report for Fluxapyroxad (SANCO/10692/2012- Rev 2, 25 March 2021) is considered to provide the relevant review information or a reference to where such information can be found.

**Table 0.1‑3: Information on minimum purity of Fluxapyroxad**

| 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  (pilot plant production acc. to EFSA Journal 2012;10(1):2522 / Reg. (EU) No 540/2011)  980 g/kg, Toluene maximum content 0.6 g/kg (based on data from large scale production, acc. to SANCO/10692/2012, Rev. 2, 25 March 2021) | 980 g/kg  (based on data from large scale production)  Equivalence report available: Y  RMS: United Kingdom |

\* 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 minimum purity of fluxapyroxad – 950g/kg (toluene was considered as a relevant impurity with a maximum limit of 1 g/kg), as stated in the SANCO/10692/2012 (01 June 2012), was based on the active substance from a pilot plant production.. The detailed specification of the technical active substance produced in large scale is given in the equivalence report “Fluxapyroxad equivalence FINAL 1107 BASF Ludwigshafen UK 2013-04-30” which is available on CIRCABC.

The new specification of fluxapyroxad is a minimum purity of 98 %. The relevant impurity toluene should not exceed 0.6 g/kg in the technical material (SANCO/10692/2012, Rev. 2, 25 March 2021).

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

| Endpoint | Fluxapyroxad | |
| --- | --- | --- |
| EU agreed endpoint from EFSA Journal 2012;10(1):2522 | Endpoint used\* |
| **Efate** | | |
| DT50 [d] | 370 (field, worst-case, best-fit, nonnormalised) | 378 (DFOP a, worst case, non-normalized, from field studies, n = 6) |
| Kfoc for fluxapyroxad | 728  (arithmetic mean; n=7) | 681  (geometric mean, n = 7) |
| Kfoc for M700F001 | 2.6  (arithmetic mean; n=7) | 2.3  (geometric mean, n = 7) |
| Kfoc for M700F002 | 7.6  (arithmetic mean; n=7) | 5.9  (geometric mean, n = 7) |
| **Ecotoxicology 1)** | | |
| ~~SSD (acute NOEC data for 5 fish species)~~ | ~~--~~ | ~~HC~~~~5 fish, acute~~ ~~= 0.148 mg a.s./L~~ |
| *~~Pimephales promelas~~* ~~33 d~~~~(ELS study)~~ | ~~NOEC = 0.0359 mg a.s./L~~~~mm~~ | ~~NOEC = 0.0676 mg a.s./L~~~~nom~~ |

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

a Corresponding DFOP parameters: k1: 0.0321 d-1, k2: 6.9 x 10-4 d-1 (i.e. fixed to 1000 days), g: 0.3502

1) For justifications for using new / revised ecotoxicological endpoints please refer to the respective paragraphs in Part B, Section 9.

#### Azoxystrobin

Table 0.1‑4: Summary of regulatory history of CAS No: 131860-33-8

| Status |  |
| --- | --- |
| Approved in EU | Y |
| Original Inclusion Directive  or  Commission Implementing Regulation | Commission Implementing Regulation (EU) No 703/2011 |
| RMS | United Kingdom |
| Date of Approval (or most recent renewal) of Active Substance (date of Regulation to be applied) | 01.01.2012 |
| Date of first Commission (re-registration) deadline (Step 1) or date of deadline for renewal of authorization (renewal) | N/A |
| Date of final Commission (re-registration) deadline (Step 2) | N/A |
| Current expiration of approval | 31.12.2024 |
| 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 this overall assessment Member States must pay particular attention to the:

* risk to groundwater, if the active substance is applied under vulnerable soil and/or climatic conditions.
* protection of aquatic organisms

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

The SANCO report for Azoxystrobin (SANCO/11027/2011 Rev 3, 20 March 2015) is considered to provide the relevant review information or a reference to where such information can be found.

**Table 0.1‑5: Information on minimum purity of Azoxystrobin**

| 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 \*, \*\* |
| --- | --- |
| 930 g/kg  Toluene maximum content 2 g/kg  (Reg. (EU) No 540/2011) | N/A |

\* 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 | Azoxystrobin | |
| --- | --- | --- |
| EU agreed endpoint from EFSA Journal 2010; 8(4): 1542 | Endpoint used\* |
| **Efate** | | |
| Kfoc for azoxystrobin | 427 (arithmetic mean, n = 6) | 392 (geometric mean, n = 6) |
| Kfoc for R234886 | Kfoc: worst case 21 Kfoc: scenario specific Kfoc  Scenario specific Kfoc for R234886. Châteaudun = 24 Hamburg = 133 Jokioinen = 159 Kremsmünster = 38 Okehampton = 242 Piacenza = 68 Porto = 624 Sevilla = 50 Thiva = 38 | Acidic soils: 177 (geometric mean, n = 8)  Alkaline soils: 34.8 (geometric mean, n = 7) |
| Kfoc for R401553 | 188 (arithmetic mean, n = 6) | 143 (geometric mean, n = 6) |
| **Ecotoxicology 1)** | | |
| ~~Geomean (EC/E~~~~b~~~~C~~~~50~~ ~~data for 3 algal species~~ | ~~--~~ | ~~Geomean-EC~~~~50~~ ~~= 0.063 mg a.s./L~~ |

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

1) For justifications for using new / revised ecotoxicological endpoints please refer to the respective paragraphs in Part B, Section 9.

### Regulatory history of the product (if relevant)

Not relevant as the product has not yet been authorised.

## zRMS conclusion

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

Sufficient data on identity, physical and chemical properties are available for the plant protection product BAS 736 00F.

An acceptable, analytical methods for the determination of fluxapyroxad and azoxystrobin and toluene as relevant impurity in the formulation have been provided and fully validated.

Since Z-isomer is identified as toxicologically relevant impurity for azoxystrobin (according to Commission Implementing Regulation (EU) No 540/2011), an analytical method for the determination of the Z-isomer in plant protection product BAS 736 00 F is required and should be provided by the applicant. (According to the applicant’s statement: analytical method for the z-isomer is in development; study will be provided as soon as available)

~~The results of the shelf life study will be available in September 2022. A minimum shelf life of 2 years would be expected for this product according to FAO specifications. However an ambient temperature shelf life study is required to confirm the proposed shelf life of 2 years for the product BAS 736 00 F~~.

The stability data indicate a shelf life of the product BAS 736 00F of at least 2 years at ambient temperature. Its technical characteristics are acceptable for an EC formulation. However data on Z-isomer content in the product (before and after storage) should be provided by the applicant.

Section 3. Efficacy:

The submitted data support the registration of BAS 736 00 F (Miralon) for following diseases control in cereal crops: – in **wheat**: powdery mildew (*Blumeria graminis* f.sp. *tritici*), Septoria leaf blotch   
(*Zymoseptoria tritici*), brown rust (*Puccinia triticina*), yellow rust (*Puccinia striiformis*) and tan spot (*Pyrenophora tritici-repentis*); – in **barley**: powdery mildew (*Blumeria graminis* f.sp. *hordei*), net blotch (*Pyrenophora teres*), leaf scald (*Rhynchosporium secalis*), Ramularia leaf spot (*Ramularia collo-cygni*) and leaf rust (*Puccinia hordei*); – in **rye**: leaf scald (*Rhynchosporium secalis*) and leaf rust (*Puccinia   
recondita*), – in **triticale**: powdery mildew (*Blumeria graminis*), Septoria leaf (*Zymoseptoria tritici*) and rusts (*Puccinia recondita* and *Puccinia striiformis*). For **oat** the number of data is not sufficient, so, to support the registration of BAS 736 00 F for powdery mildew (*Blumeria graminis* f.sp. *avenae*) and rust (*Puccinia coronata*) control, cMS can extrapolate the data from another crops or authorize this fungicide as minor use. ZRMS not recommend the registration of BAS 736 00 F in oat in Poland.

BAS 736 00 F can be use as foliar application, at the rate of 2.0 L/ha (fluxapyroxad – 100 g/ha +   
azoxystrobin – 150 g/ha) (in some countries lower rates) at a maximum of two treatments, at the growth stages between BBCH 30 and 69, with water volume from 100 to 300 L/ha.

Section 6. Toxicology and health risk:

The product BAS 736 00 F ( Miralon) used on cereals at maximal dose of 2.0 L product/ha does not pose an unacceptable risk to the health of operator wearing a work clothing covering arms, body and legs and googles or face protection and protective gloves when handling the concentrate (mixing and loading).

The application of product BAS 736 00 F ( Miralon) does not pose an unacceptable risk to the health of worker for its intended use within good agricultural practice providing that the worker is wearing a work clothing (long sleeved shirt, long trousers).

No unacceptable risk for residents and bystanders is identified when the product is used as intended.

Section 7. Residues:

The evaluation of the application for BAS 736 00F resulted in the decision to grant the authorization consistently with the evaluation of the residues and the relevant analytical methods. Uses no. 1-16 (wheat, barley, rye, triticale, oat) submitted were accepted.

Section 8. Fate and behaviour:

The results of leaching simulation run with FOCUS PELMO, FOCUS PEARL and FOCUS MACRO demonstrate that BAS 736 00 F can be applied safely according to the recommended use patterns without risk of fluxapyroxad, azoxystrobin and their metabolites exceeding acceptable levels in groundwater. The exposure of adjacent surface waters and terrestrial ecosystems by fluxapyroxad and azoxystrobin due to volatilization with subsequent deposition is considered to be low.

Section 9. Ecotoxicology:

Based on the risk assessment in section of ecotoxicology it can be concluded that the proposed uses of BAS 736 00 F poses acceptable risk to non-target organisms, if applied according to the recommended use pattern. Particular precautions to reduce the environmental concentrations resulting from BAS 736 00 F applications are required for aquatic organisms (only R3 scenario; winter cereals).

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

|  |
| --- |
| Use number 1-16 in GAP table in Appendix 1 |

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

|  |
| --- |
| 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:

|  |
| --- |
| Section toxicology: None, but risk mitigation measures are required due to classification of the product.  Other sections: None |

The following text is to be shortened or to be amended as necessary.

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.

1. ALL intended uses

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | |  | | | | | |  | | | GAP rev.      , date: 2021-08-26 | | | | | | |
| PPP (product name/code): | | | | | Miralon/BAS 736 00 F | | | | | | Formulation type: | | | EC (a, b) | | | | | | |
| Active substance 1: | | | | | Fluxapyroxad | | | | | | Conc. of as 1: | | | 50 g/L (c) | | | | | | |
| Active substance 2: | | | | | Azoxystrobin | | | | | | Conc. of as 2: | | | 75 g/L (c) | | | | | | |
| Safener: | | | | | none | | | | | | Conc. of safener: | | | Not relevant (c) | | | | | | |
| Synergist: | | | | | none | | | | | | Conc. of synergist: | | | Not relevant (c) | | | | | | |
| Applicant: | | | | | BASF | | | | | | Professional use: | | |  | | | | | | |
| Zone(s): | | | | | Central (d) | | | | | | Non professional use: | | |  | | | | | | |
| Verified by MS: | | | | | yes/no | | | | | |  | | |  | | | | | | |
|  | | | | |  | | | | | |  | | |  | | | | | | |
| Field of use: | | | | | fungicide | | | | | |  | | |  | | | | | | |
|  | | |  | | | | | | |  | |  | | | | | | | |
| 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 / Kind | Timing / Growth stage of crop & season | Max. number  a) per use  b) per crop/ season | | | Min. interval between applications (days) | | kg or L product / ha  a) max. rate per appl.  b) max. total rate per crop/season | g or kg as/ha  a) max. rate per appl.  b) max. total rate per crop/season | Water L/ha  min / max |
| **Zonal uses (field or outdoor uses, certain types of protected crops)** | | | | | | | | | | | | | | | | | | |
| 1 | DE, AT, BE, NL, IE, PL | | wheat TRZAW, TRZAS TRZDU, TRZSP | | F | Zymoseptoria tritici - SEPTTR Puccinia triticina - PUCCRT Puccinia striiformis - PUCCST Pyrenophora tritici-repentis – PYRNTR  Blumeria graminis - ERYSGR | Spraying (SP) | 30 - 69 | a) 2 b) 2 | | | 21 | | a) 2.00 b) 4.00 | a) 0.100 / 0.150 b) 0.200 / 0.300 | 100 - 300 | 35 |  |
| 2 | DE, AT, BE, NL, IE | | barley HORVW  HORVS | | F | Pyrenophora teres – PYRNTE  R. secalis - RHYNSE R. collo-cygni – RAMUCC  Puccinia hordei – PUCCHD  Blumeria graminis - ERYSGR | Spraying (SP) | 30 - 69 | a) 2 b) 2 | | | 21 | | a) 2.00 b) 4.00 | a) 0.100 / 0.150 b) 0.200 / 0.300 | 100 - 300 | 35 |  |
| 3 | DE, AT, BE, NL, IE, PL | | rye SECCW SECCS SECCE | | F | R. secalis - RHYNSE Puccinia recondita - PUCCRE | Spraying (SP) | 30 - 69 | a) 2 b) 2 | | | 21 | | a) 2.00 b) 4.00 | a) 0.100 / 0.150 b) 0.200 / 0.300 | 100 - 300 | 35 |  |
| 4 | DE, AT, BE, NL, IE, PL | | triticale TTLWI  TTLSO | | F | Septoria spp. - SEPTSP Puccinia recondita - PUCCRE Puccinia striiformis – PUCCST  Blumeria graminis - ERYSGR | Spraying (SP) | 30 - 69 | a) 2 b) 2 | | | 21 | | a) 2.00 b) 4.00 | a) 0.100 / 0.150 b) 0.200 / 0.300 | 100 - 300 | 35 |  |
| 5 | DE, AT, BE, NL, IE | | oat AVESA | | F | Blumeria graminis - ERYSGR  Puccinia coronata - PUCCCA | Spraying (SP) | 30 - 69 | a) 2 b) 2 | | | 21 | | a) 2.00 b) 4.00 | a) 0.100 / 0.150 b) 0.200 / 0.300 | 100 - 300 | 35 |  |
| 6 | PL | | barley HORVW  HORVS | | F | Pyrenophora teres – PYRNTE  R. secalis – RHYNSE  Puccinia hordei - PUCCHD R. collo-cygni - RAMUCC | Spraying (SP) | 30 - 69 | a) 2 b) 2 | | | 21 | | a) 2.00 b) 4.00 | a) 0.100 / 0.150 b) 0.200 / 0.300 | 100 - 300 | 35 |  |
| 7 | CZ | | wheat TRZAW, TRZAS TRZDU, TRZSP | | F | Zymoseptoria tritici - SEPTTR Puccinia triticina - PUCCRT Puccinia striiformis - PUCCST Pyrenophora tritici-repentis – PYRNTR  Blumeria graminis - ERYSGR | Spraying (SP) | 30 - 69 | a) 1 b) 1 | | |  | | a) 1.20 - 2.00 b) 1.20 - 2.00 | a) 0.100 / 0.150 b) 0.100 / 0.150 | 100 - 300 | 35 |  |
| 8 | CZ | | barley HORVW  HORVS | | F | Pyrenophora teres – PYRNTE R. secalis - RHYNSE R. collo-cygni – RAMUCC  Puccinia hordei – PUCCHD Blumeria graminis - ERYSGR | Spraying (SP) | 30 - 69 | a) 1 b) 1 | | |  | | a) 1.20 - 2.00 b) 1.20 - 2.00 | a) 0.100 / 0.150 b) 0.100 / 0.150 | 100 - 300 | 35 |  |
| 9 | CZ | | rye SECCW SECCS SECCE | | F | R. secalis - RHYNSE Puccinia recondita - PUCCRE | Spraying (SP) | 30 - 69 | a) 1 b) 1 | | |  | | a) 1.20 - 2.00 b) 1.20 - 2.00 | a) 0.100 / 0.150 b) 0.100 / 0.150 | 100 - 300 | 35 |  |
| 10 | CZ | | triticale TTLWI  TTLSO | | F | Septoria spp. - SEPTSP Puccinia recondita - PUCCRE Puccinia striiformis – PUCCST  Blumeria graminis - ERYSGR | Spraying (SP) | 30 - 69 | a) 1 b) 1 | | |  | | a) 1.20 - 2.00 b) 1.20 - 2.00 | a) 0.100 / 0.150 b) 0.100 / 0.150 | 100 - 300 | 35 |  |
| 11 | CZ | | oat AVESA | | F | Blumeria graminis - ERYSGR  Puccinia coronata - PUCCCA | Spraying (SP) | 30 - 69 | a) 1 b) 1 | | |  | | a) 1.20 - 2.00 b) 1.20 - 2.00 | a) 0.100 / 0.150 b) 0.100 / 0.150 | 100 - 300 | 35 |  |
| 12 | HU, SI, SK, RO | | wheat TRZAW, TRZAS TRZDU, TRZSP | | F | Zymoseptoria tritici - SEPTTR Puccinia triticina - PUCCRT Puccinia striiformis - PUCCST | Spraying (SP) | 30 - 69 | a) 2 b) 2 | | | 21 | | a) 1.00 - 2.00 b) 1.00 - 4.00 | a) 0.100 / 0.150 b) 0.200 / 0.300 | 100 - 300 | 35 |  |
| 13 | HU, SI, SK, RO | | barley HORVW  HORVS | | F | Pyrenophora teres - PYRNTE Puccinia hordei – PUCCHD  Blumeria graminis - ERYSGR | Spraying (SP) | 30 - 69 | a) 2 b) 2 | | | 21 | | a) 1.00 - 2.00 b) 1.00 - 4.00 | a) 0.100 / 0.150 b) 0.200 / 0.300 | 100 - 300 | 35 |  |
| 14 | HU, SI, SK, RO | | rye SECCW SECCS SECCE | | F | R. secalis - RHYNSE Puccinia recondita - PUCCRE | Spraying (SP) | 30 - 69 | a) 2 b) 2 | | | 21 | | a) 1.00 - 2.00 b) 1.00 - 4.00 | a) 0.100 / 0.150 b) 0.200 / 0.300 | 100 - 300 | 35 |  |
| 15 | HU, SI, SK, RO | | triticale TTLWI  TTLSO | | F | Zymoseptoria sp. – SEPTSP  Puccinia recondita – PUCCRE  Puccinia striiformis – PUCCST  Blumeria graminis - ERYSGR | Spraying (SP) | 30 - 69 | a) 2 b) 2 | | | 21 | | a) 1.00 - 2.00 b) 1.00 - 4.00 | a) 0.100 / 0.150 b) 0.200 / 0.300 | 100 - 300 | 35 |  |
| 16 | HU, SI, SK, RO | | oat AVESA | | F | Blumeria graminis - ERYSGR Puccinia coronata - PUCCCA | Spraying (SP) | 30 - 69 | a) 2 b) 2 | | | 21 | | a) 1.00 - 2.00 b) 1.00 - 4.00 | a) 0.100 / 0.150 b) 0.200 / 0.300 | 100 - 300 | 35 |  |
| 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/m³ 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 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 | | | | | | | |