

# **REGISTRATION REPORT**

## **Part A**

### **Risk Management**

**Product code: ANL-F002**

**Product name: ARMICARB JARDIN SPRAY**

**Chemical active substance:**

**Potassium hydrogen carbonate, 4.25 g/L**

**Southern Zone**

**Zonal Rapporteur Member State: France**

**NATIONAL ASSESSMENT FRANCE**

**(authorisation renewal according to Art. 43)**

**Applicant: DE SANGOSSE S.A.S.**

**Date: 05 May 2025**

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# PART A

## RISK MANAGEMENT

### 1 Details of the application

The company DE SANGOSSE S.A.S. has requested a marketing authorisation renewal in France for the product ARMICARB JARDIN SPRAY (product code: ANL-F002), containing 4.25 g/L potassium hydrogen carbonate<sup>1</sup> as a fungicide for non-professional uses.

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

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

#### 1.1 Application background

The present registration report concerns the evaluation of DE SANGOSSE S.A.S.'s application submitted on 31/01/2022 to market ARMICARB JARDIN SPRAY (ANL-F002) in France (product uses described under point 2.3). France acted as a zonal/ Rapporteur Member State (zRMS) for this request and assessed the application submitted for the re-registration of authorisation after the renewal of approval of the active substance potassium hydrogen carbonate of this product in France and in other Member States (MSs) of the Southern zone.

Potassium hydrogen carbonate is a low risk active substance, therefore ARMICARB JARDIN SPRAY (ANL-F002) shall be authorised as a low risk plant protection product where compliant with Article 47 of Regulation (EC) no 1107/2009.

The present application (2022-0579) was evaluated in France by the French Agency for Food, Environmental and Occupational Health & Safety (Anses), according to the Regulation (EC) no 1107/2009<sup>2</sup>, the implementing regulations, and French regulations. This application was assessed in the context of the zonal procedure for all MSs of the Southern zonen, taking into account the worst-case uses ("risk envelope approach")<sup>3</sup>. 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 ARMICARB JARDIN SPRAY (ANL-F002) has been made using endpoints agreed in the EU peer review of Potassium hydrogen carbonate. It also includes assessment of data and information related to ARMICARB JARDIN SPRAY (ANL-F002) where those data have not been considered in the EU peer review process.

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.

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<sup>1</sup> Commission Implementing Regulation (EU) 2021/1452 of 3 September 2021 renewing the approval of the active substance potassium hydrogen carbonate as a low-risk substance 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

<sup>2</sup> 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

<sup>3</sup> 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](#)

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The conclusions on the acceptability of risk are based on the criteria provided in Regulation (EU) No 546/2011<sup>4</sup>, 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 ARMICARB JARDIN SPRAY (ANL-F002).

## 1.2 Letters of Access

The applicant has provided a letter of access for active substance and PPP data. This letter of access is available upon request.

## 1.3 Justification for submission of tests and studies

According to the applicant: « The product ANL-F002 was not the representative formulation during the Annex I inclusion of potassium hydrogen carbonate as well as for its renewal. New data are submitted in the area of identity and Method of analysis following data gaps in EFSA conclusions (2021). All other data were EU peer-reviewed data or data already evaluated under Uniform Principles for the first zonal authorization of ANL-F002 (zRMS: France, Anses dossier No. 2015.6604). Further details are included in the relevant sections of Part B of the registration report. ».

## 1.4 Data protection claims

*Where protection for data is being claimed for information supporting registration of ANL-F004, it is indicated in the reference lists in Appendix 1 of the Registration Report, Part B Sections 1-7.*

# 2 Details of the authorisation renewal decision

## 2.1 Product identity

Product code	ANL-F002
Product name in MS	ARMICARB JARDIN SPRAY
Authorisation number	2171067
Kind of use	Non-professional use
Low risk product (article 47)	Yes
Function	Fungicide
Applicant	DE SANGOSSE S.A.S.
Active substance(s) (incl. content)	Potassium hydrogen carbonate; 4.25 g/L
Formulation type	Liquid to be applied undiluted [Code: AL]

<sup>4</sup> 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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Packaging	ready to use spray bottle made of HDPE (500 mL, 750 mL, 1000 mL) ready to use spray bottle made of PET (500 mL, 750 mL, 1000 mL)  <i>Compliance with the provisions of French regulation relating to the conditions of authorisation of plant protection products by non-professional users<sup>5</sup> is considered to be finalised for the proposed packaging listed above.</i>
Coformulants of concern for national authorisations	None
Restrictions related to identity	None
Mandatory tank mixtures	None
Recommended tank mixtures	None

## 2.2 Conclusion

The evaluation of the application for ARMICARB JARDIN SPRAY (ANL-F002) resulted in the decision **to grant** the authorisation renewal.

## 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:	- No classification for human health - No classification for the environment
Hazard pictograms:	-None
Signal word:	-None
Hazard statement(s):	-None
Precautionary statement(s):	<b><i>For the P phrases, refer to the existing legislation</i></b>
Additional labelling phrases:	-

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

<sup>5</sup> Arrêté du 6 avril 2020 relatif aux conditions d'autorisation d'un produit phytopharmaceutique pour la gamme d'usages « amateur »

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

	For other restrictions refer to 2.5

## 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 2017<sup>6</sup> 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 12 April 2021<sup>7</sup> 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.

Moreover, 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 extrapolation<sup>8</sup> is to supply “minor” crops with registered plant protection products.

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 2021<sup>9</sup> 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 crop<sup>10</sup> when in flower and on foraging area is forbidden.

<sup>6</sup> 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, amended by the arrêté du 27 décembre 2019 relatif aux mesures de protection des personnes lors de l'utilisation de produits phytopharmaceutiques <https://www.legifrance.gouv.fr/eli/arrete/2017/5/4/AGRGI632554A/jo/texte> ; <https://www.legifrance.gouv.fr/affichTexte.do?cidTexte=JORFTEXT000039686039&categorieLien=id>

<sup>7</sup> <https://www.legifrance.gouv.fr/jorf/id/JORFTEXT000043401456>

<sup>8</sup> SANCO document “guidance document:- Guidelines on comparability, extrapolation, group tolerances and data requirements for setting MRLs”: SANCO/ 7525/VI/95 - rev.9

<sup>9</sup> <https://www.legifrance.gouv.fr/jorf/id/JORFTEXT000044346734>

<sup>10</sup> List of culture considered as unattractive to bees and other pollinators insects defined by French Agricultural ministry and published in Bulletin Officiel du ministère chargé de l'agriculture.

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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 renewal 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	
	Do not discharge into the sink, gutter or any other water hole the non-used container leftovers and the sprayer washing water.
Other specific restrictions	
Re-entry period	Wait until the treated zone or plants have dried.
Storage	The formulation must be stored at a temperature below 40 °C. The formulation must be shaken before use after storage at low temperature
SPa 1	None
Risk mitigation measures	None
Risk mitigation measures	None
Labelling recommendation	The product efficacy level being variable and partial, specify the optimal conditions of use

### 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.



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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 12 April 2021 (highlighted in green), evaluated and concluded as safe uses by France as zRMS. Those uses are then granted in France.

When the conclusion is “not acceptable”, 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: 05/05/2025

PPP (product name/code): ARMICARB JARDIN SPRAY / ANL-F002

Formulation type: Liquid to be applied undiluted (AL <sup>(a, b)</sup>)

Active substance 1: Potassium hydrogen carbonate

Conc. of a.s. 1: 4.25 g/L <sup>(c)</sup>

Applicant: DE SANGOSSE S.A.S.

Professional use: ☐

Zone(s): Southern Zone <sup>(d)</sup>

Non-professional use: ☒

Verified by MS: Yes

Field of use: Fungicide

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. <sup>(e)</sup>	Member state(s)	Crop 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 <sup>(f)</sup>  RMS conclusion
					Method/Ki nd	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 a.s./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	FR	Grapevine	Fn	Powdery mildew (Uncinula necator)	Foliar spray	BBCH 15 - 89	a) 5 b) 5	7	a) 1000 L/ha b) 5000 L/ha	a) 4.25 b) 21.25	NA	1	Acceptable
2	FR	Grapevine	Fn	Botrytis cinerea	Foliar spray	BBCH 61-85	a) 5 b) 5	7	a) 1000 L/ha b) 5000 L/ha	a) 4.25 b) 21.25	NA	1	Acceptable
3	FR	Pome fruits (Apple , Pear, Quince...)	Fn	Apple scab – Venturia inaequalis Pear scab – Venturia pirina	Foliar spray	BBCH 07 – 89 March – October	a) 5 b) 5	7	a) 1000 L/ha b) 5000 L/ha	a) 4.25 b) 21.25	NA	1	Acceptable

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. <sup>(e)</sup>	Member state(s)	Crop 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 <sup>(f)</sup>  RMS conclusion
					Method/Ki nd	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 a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
4	FR	Peach, nectarine Apricot	Fn	Monilinia fructicola MONIFC Monilinia fructigena MONIFG Monilinia laxa MONILA	Foliar spray	BBCH 79 – 89 May-September	a) 3 b) 3	3	a) 1000 L/ha b) 5000 L/ha	a) 4.25 b) 21.25	NA	1	Acceptable
5	FR	Blackcurrants, Redcurrants Blueberry, redberry Raspberry, blackberry	Fn	Powdery mildew (Podosphaera sp., Sphaerotheca sp.)	Foliar spray	BBCH 10 - 87	a) 5 b) 5	7	a) 1000 L/ha b) 5000 L/ha	a) 4.25 b) 21.25	NA	1	Acceptable
6	FR	Strawberry	Fn	Powdery mildew (Sphaerotheca macularis; Podosphaera aphanis)	Foliar spray	BBCH 10-85	a) 6 b) 6	8	a) 600 L/ha b) 3600 L/ha	a) 2.55 b) 15.3	NA	1	Acceptable
7	FR	Tomato, aubergine, pepper, sweet pepper	Fn	Powdery mildew (Leveillula taurica; Erysiphe sp.)	Foliar spray	BBCH 10-89	a) 6 b) 6	7	a) 600 L/ha b) 3600 L/ha	a) 2.55 b) 15.3	NA	1	Acceptable
8	FR	Cucurbits with edible peel	Fn	Powdery mildew (Erysiphe cichoracearum; Sphaerotheca fuliginea)	Foliar spray	BBCH 10-89	a) 6 b) 6	7	a) 600 L/ha b) 3600 L/ha	a) 2.55 b) 15.3	NA	1	Acceptable
9	FR	Herbs, aromatic and medicinal plants	Fn	Powdery mildew	Foliar spray	BBCH 10-89	a) 6 b) 6	7	a) 600 L/ha b) 3600 L/ha	a) 2.55 b) 15.3	NA	1	Acceptable
10	FR	Vegetables, herbs, flowers (for seed production only)	Fn	Powdery mildew	Foliar spray	BBCH 10-89	a) 6 b) 6	7	a) 600 L/ha b) 3600 L/ha	a) 2.55 b) 15.3	NA	1	Acceptable
11	FR	Rose	Fn	Powdery mildew (Podosphaera pannosa)	Foliar spray	Leaves: BBCH 41-49 Flower buds : BBCH 51-59	a) 5 b) 5	7	a) 1000 L/ha b) 5000 L/ha	a) 4.25 b) 21.25	NA	NA	Acceptable
12	FR	Ornamentals (trees, hardwood and shrub)	Fn	Powdery mildew	Foliar spray	Young foliage BBCH 10-89	a) 5 b) 5	7	a) 1000 L/ha b) 5000 L/ha	a) 4.25 b) 21.25	NA	NA	Acceptable

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. <sup>(e)</sup>	Member state(s)	Crop 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 <sup>(f)</sup>  RMS conclusion
					Method/Ki nd	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 a.s./ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min/ma x		
13	FR	Ornamentals (flowers, herbaceous plants)	Fn	Powdery mildew	Foliar spray	Flowers, young and mature foli- age BBCH 10-89	a) 6 b) 6	7	a) 600 L/ha b) 3600 L/ha	a) 2.55 b) 15.3	NA	NA	Acceptable

\* As some standards may have undergone changes, it is the responsibility of the applicant to update the references.

\*\* Possible application during the flowering period according to the order of 20 November 2021 on the protection of bees and other pollinating insects and the preservation of pollination services when using plant protection products

<b>Remarks table heading:</b>	(a)	e.g. wettable powder (WP), emulsifiable concentrate (EC), granule (GR)	(d)	Select relevant
	(b)	Catalogue of pesticide formulation types and international coding system CropLife International Technical Monograph n°2, 6th Edition Revised May 2008	(e)	Use number(s) in accordance with the list of all intended GAPs in Part B, Section 0 should be given in column 1
	(c)	g/kg or g/l	(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.
<b>Remarks columns:</b>	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
	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 <sup>3</sup> 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 renewal decision and risk management**

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

ARMICARB JARDIN SPRAY (ANL-F002) is a 'ready-to-use' liquid to be applied undiluted containing 4.25 g/L of potassium hydrogen carbonate. All studies have been performed in accordance with the current requirements and the results are deemed acceptable. The appearance of the product is that of a cloudy white liquid, with a free-flowing consistency, and no strong odour. It is not explosive, has no oxidising properties. The product is not flammable. It is not self-heating, as the self-ignition temperature is over 395 °C. In a 1% aqueous solution, the product has a pH value of 6.59 at 20°C and the neat formulation has a pH of 8.41. There is no major effect of high, low and ambient temperature on the stability of the formulation, since after 8 weeks at 40 °C, 7 days at 0°C and 2 year shelf-life at ambient temperature, neither the active ingredient content nor the physical, chemical and technical properties were changed considerably. Therefore, the storage stability data indicate a shelf life of at least 2 years at ambient temperature when stored in HDPE bottles. Compatibility with all claimed packaging is demonstrated. Its technical characteristics are acceptable for a AL formulation. The formulation is not classified for the physico-chemical aspect. The formulation must be stored at a temperature below 40°C. The formulation must be shaken before use after storage at low temperature.

#### **3.2 Efficacy (Part B, Section 3)**

- ARMICARB JARDIN SPRAY (ANL-F002) efficacy is considered as variable and partial but acceptable for this kind of products based on a low risk active ingredient.
- ARMICARB JARDIN SPRAY (ANL-F002) risk of phytotoxicity is considered as negligible.
- ARMICARB JARDIN SPRAY (ANL-F002) risks of adverse effect on yield, quality, transformation processes and multiplication are considered as negligible.
- ARMICARB JARDIN SPRAY (ANL-F002) risks of adverse effect on succeeding and adjacent crops are considered as negligible.
- The risk of resistance appearance or development to potassium hydrogen carbonate is considered very low and should not be amplified in the framework of a non-professional use.

#### **3.3 Methods of analysis (Part B, Section 5)**

##### **3.3.1 Analytical method for the formulation**

Analytical method for the determination of the active substance in the formulation is available and validated. Analytical method for the determination of relevant impurities in technical material is available and validated at LOQs in compliance with limits set in regulation.

##### **3.3.2 Analytical methods for residues**

As no MRLs exist for potassium hydrogen carbonate, no analytical methods for residues are necessary.

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Additionally, no residue definition has been proposed nor is considered required in the List of EndPoints for a.s. renewal and monitoring/enforcement methods are noted as “not applicable” (EFSA Journal 2021;19(5):6593).

### 3.4 Mammalian toxicology (Part B, Section 6)

#### Endpoints used in risk assessment

Agreed EU endpoints	
Active substance	Potassium hydrogen carbonate.
AOEL systemic	149 mg/kg bw/day.
Oral absorption	100%.
Reference	EFSA 2021: EFSA Journal 2021;19(5):6593.
Dermal absorption	Concentrate: NA. Dilution: 50%.

#### 3.4.1 Acute toxicity

ARMICARB JARDIN SPRAY (ANL-F002) containing 4.25 g/L potassium hydrogen carbonate has a low toxicity in respect to acute oral, inhalation and dermal toxicity and is not irritating to the rabbit skin or eye and is not a skin sensitiser.

#### 3.4.2 Operator exposure

Considering proposed uses, operator systemic exposure was estimated using the EFSA model and the French study from UPJ dedicated to amateur use :

Model data		Potassium hydrogen carbonate
	Level of PPE	% AOEL
<b>EFSA Model :</b> Manual knapsack outdoor, upward applications grapes, pome fruits, stone fruits, low berries and small fruits, ornamentals (critical crops).		
Application rate		5 x 4.25 kg a.s./ha
Spray application (AOEM; 75th percentile) Body weight: 60 kg	Potential exposure	<b>0,49</b>
<b>EFSA Model :</b> Manual knapsack outdoor, downward applications ow berries and small fruits, legume vegetables, leaf vegetables and fresh herbs (critical crops).		
Application rate		5 x 4.25 kg a.s./ha
Spray application (AOEM; 75th percentile) Body weight: 60 kg	Potential exposure	<b>1,43</b>

ANL-F002 / ARMICARB JARDIN SPRAY  
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<b>UPJ Model</b> Application : Trigger sprayer, outdoor, Grapes (worst case scenario)		
Application rate: 100 mL/m <sup>2</sup> ARMICARB JARDIN SPRAY		4.25 g/L Potassium hydrogen carbonate
<b>Spray application</b> (UPJ) Body weight: 60 kg	No PPE	0.04

According to the model calculations, it can be concluded that the risk for the operator using ARMICARB JARDIN SPRAY (ANL-F002) is acceptable.

### 3.4.3 Worker exposure

ARMICARB JARDIN SPRAY (ANL-F002) is intended to be used by amateurs during home garden application. In this case of the non-professional user, the worker is also the user of the product. It will be necessary to ensure complete drying of the treated area or of treated plants before handling them.

### 3.4.4 Bystander exposure

In the context of use by non-professionals, it is considered that the assessment for bystanders is covered by the operator exposure.

### 3.4.5 Resident exposure

There is no suitable model to assess residential exposure for non-professional uses. As a worst case approach, zRMS is of opinion to estimate recreational exposure for resident.

zRMS therefore assessed the resident exposure using :

- the following dermal absorption values: 50% for the dilution
- a buffer zone of 2-3 meters

<b>EFSA model</b> – Recreational exposure Highest application rate: 5 x 4.25 kg a.s./ha	
	<b>% of systemic AOEL</b>
Child	1,53 %
Adult	0,64 %

An acceptable risk was determined for resident (adult and child).

### 3.4.6 Combined exposure

Not relevant. The product contains only one active substance.

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

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The data available are considered sufficient for risk assessment.

Potassium hydrogen carbonate is included in Annexe IV to 396/2005/EC regulation, which includes those active substances where no MRL are required.

In the framework of the Peer Review, the setting of an acute reference dose (ARfD) and an acceptable daily dose (ADI) was not deemed necessary for this active substance. The chronic and the short-term intakes assessments are therefore not necessary.

As far as consumer health protection is concerned, France, zRMS agrees with the authorization of the intended uses.

**Summary for ARMICARB JARDIN SPRAY (ANL-F002)**

**Table : Information on ARMICARB JARDIN SPRAY (KCA 6.8)**

Crop	PHI for product code ANL-F002 proposed by applicant (day)	PHI/ Withholding period* sufficiently supported for	PHI for product code ANL-F002 proposed by zRMS	zRMS Comments (if different PHI proposed)
		Potassium hydrogen carbonate		
Grapevine	1	Yes	1	
Pome fruits (Apple, Pear, Quince...)	1	Yes	1	
Peach, nectarine Apricot	1	Yes	1	
Blackcurrants, Red-currants Blueberry, redberry Raspberry, blackberry	1	Yes	1	
Strawberry	1	Yes	1	
Tomato, aubergine, pepper, sweet pepper	1	Yes	1	
Cucurbits with edible peel	1	Yes	1	
Herbs, aromatic and medicinal plants	1	Yes	1	
Vegetables, herbs, flowers (for seed production only)	1	Yes	NA	Not alimentary crop
Rose	0	Yes	NA	Not alimentary crop
Ornamentals (trees, hardwood and shrub)	0	Yes	NA	Not alimentary crop
Ornamentals (flowers, herbaceous plants)	0	Yes	NA	Not alimentary crop
Vegetables, herbs, flowers (for seed production only)	-	Yes	NA	Not alimentary crop
Rose	-	Yes	NA	Not alimentary crop
Ornamentals: Hardwood and shrub	-	Yes	NA	Not alimentary crop
Ornamentals: herbaceous and flowers	-	Yes	NA	Not alimentary crop
flowers (for seed production only)	-	Yes	NA	Not alimentary crop

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Crop	PHI for product code ANL-F002 proposed by applicant (day)	PHI/ Withholding period* sufficiently supported for	PHI for product code ANL-F002 proposed by zRMS	zRMS Comments (if different PHI proposed)
		Potassium hydrogen carbonate		
Ornamentals: trees and shrub (coniferous and deciduous)	-	Yes	NA	Not alimentary crop
Ornamentals: for the production of leaf, flowers and/or fruits	-	Yes	NA	Not alimentary crop

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).

### Waiting periods before planting succeeding crops

Not relevant.

## 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 PEC values for the active substance and its dissociation products 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 evaluation performed takes into account the specificity of the intended non-professional uses (amateur use, home and garden). The PEC of potassium hydrogen carbonate and its dissociation products (potassium and bicarbonate ions) in soil, surface water and groundwater have been assessed according to FOCUS guidance documents, with specific approaches for home and garden uses, and the endpoints established in the EU conclusions or agreed in the assessment based on new data provided.

Since the product ARMICARB JARDIN SPRAY (ANL-F002) is for non-professional uses and applied with a handheld trigger sprayer, considering the packaging and the application method of the preparation (ready-to-use product), soil and surface water exposures are not considered requiring evaluation at FR national level.

Since the product ARMICARB JARDIN SPRAY (ANL-F002) is applied with a handheld trigger sprayer, considering the packaging and the application method of the preparation (ready-to-use product) and considering the nature and natural occurrence of potassium bicarbonate in the environment, PEC<sub>GW</sub> were not deemed necessary for this active substance. No unacceptable risk of groundwater contamination is expected for the intended uses.

Based on the nature of the active substance, 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.

Since the product is applied with a ready to use trigger sprayer, considering the packaging and the application method of the preparation (ready-to-use product), exposure of soil and surface water compartments to active substance is considered negligible. Consequently, no risk assessment for non-target organisms is deemed necessary, except for bees where an exposure cannot be excluded.

An acceptable risk to bees is concluded for all uses listed in the GAP.

### **3.8 Relevance of metabolites (Part B, Section 10)**

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)**

The active substance Potassium hydrogen carbonate is not approved as a candidate for substitution, therefore a comparative assessment is not foreseen.

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

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

### **5.1.1 Post-authorisation monitoring**

None.

### **5.1.2 Post-authorisation data requirements**

None.

## Appendix 1 Copy of the product authorisation renewal



### Décision relative à une demande de renouvellement de l'autorisation de mise sur le marché d'un produit phytopharmaceutique

*Vu les dispositions du règlement (CE) n° 1107/2009 du 21 octobre 2009 et de ses textes d'application,*

*Vu le code rural et de la pêche maritime, notamment le chapitre III du titre V du livre II des parties législative et réglementaire,*

*Vu la demande de renouvellement de l'autorisation de mise sur le marché, suite au renouvellement de l'approbation de la substance active hydrogénocarbonate de potassium, et les données fournies en réponse aux demandes de post-autorisation du produit phytopharmaceutique ARMICARB JARDIN SPRAY*

*de la société*                      *DE SANGOSSE S.A.S.*  
*enregistrées sous les*    *n° 2022-0579, 2024-0846 et 2018-2093*

*Vu les conclusions de l'évaluation de l'Anses du 7 octobre 2024,*

L'autorisation de mise sur le marché du produit phytopharmaceutique désigné ci-après est renouvelée en France, sous réserve du respect de la composition du produit autorisée dans les conclusions de l'évaluation, pour les usages et dans les conditions précisés dans la présente décision et son annexe.

La présente décision s'applique sans préjudice des autres dispositions applicables.

#### Avertissement :

Le non-respect des conditions décrites ci-dessous peut entraîner le retrait ou la modification de l'autorisation ainsi que toute action incluant des poursuites judiciaires.

ANL-F002 / ARMICARB JARDIN SPRAY  
Part A - National Assessment  
FRANCE



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Informations générales sur le produit	
Nom du produit	ARMICARB JARDIN SPRAY
Type de produit	Produit de référence
Titulaire	DE SANGOSSE S.A.S. Bonnel CS 10005 47480 PONT-DU-CASSE France
Formulation	Autre liquide (AL)
Contenant	4,25 g/L - hydrogénocarbonate de potassium
Numéro d'intrant	007-2016.01
Numéro d'AMM	2171067
Fonction	Fongicide
Gamme d'usage	Amateur / emploi autorisé dans les jardins
Mention particulière	Produit à faible risque au sens de l'article 47 du règlement (CE) n° 1107/2009

L'échéance de validité de la présente décision est fixée à douze mois à compter de la date d'expiration de l'approbation de la substance active. A titre indicatif, dans l'état actuel du calendrier d'approbation des substances actives, l'échéance de l'autorisation est fixée au 31 octobre 2037.

Le dépôt d'une demande de renouvellement conformément à l'article 43 du règlement (CE) n° 1107/2009, dans les trois mois suivant le renouvellement de l'approbation de la substance active, prolonge de plein droit l'autorisation de mise sur le marché après son arrivée à échéance de la durée nécessaire pour mener à bien l'examen et adopter une décision sur le renouvellement.

La présente décision peut être retirée ou modifiée avant cette échéance si des éléments le justifient.

A Maisons-Alfort, le 05/05/2025

DocuSigned by:

*Charlotte Grastilleur*

AL281A855417454

Directrice générale déléguée  
en charge du pôle produits réglementés  
Agence nationale de sécurité sanitaire de  
l'alimentation, de l'environnement et du travail (ANSES)



## ANNEXE : Modalités d'autorisation du produit

Vente et distribution	
Le titulaire de l'autorisation peut mettre sur le marché le produit uniquement dans les emballages :	
Emballage	Contenance
Bouteilles en polyéthylène haute densité munies d'un vaporisateur à gâchette prêt à l'emploi.	500 mL ; 750 mL ; 1 L
Bouteilles en polyéthylène téréphtalate munies d'un vaporisateur à gâchette prêt à l'emploi.	500 mL ; 750 mL ; 1 L

Classification du produit
La classification retenue est la suivante : Sans classement.
Pour les phrases P se référer à la réglementation en vigueur.
Le titulaire de l'autorisation est responsable de la mise à jour de la fiche de données de sécurité et de la classification du produit en tenant compte de ses éventuelles évolutions.

ANL-F002 / ARMICARB JARDIN SPRAY

Part A - National Assessment

FRANCE



<b>Liste des usages autorisés</b> En l'absence de mention spécifique, les usages autorisés correspondent à une utilisation en plein champ. En l'absence de restriction, les usages sont autorisés sur l'ensemble des cultures de la portée de l'usage.								
Usages	Dose maximale d'emploi	Nombre maximum d'applications	Stade d'application BBCH	Délai avant récolte (jours)	Zone Non Traitée aquatique (mètres)	Zone Non Traitée arthropodes non cibles (mètres)	Zone Non Traitée plantes non cibles (mètres)	Culture attractive en floraison (arrêté du 20/11/2021)
<b>14053204</b> Arbres et arbustes*Trt Part.Aer.*Oïdium(s)	100 mL/m <sup>2</sup>	5/an	entre les stades BBCH 10 et BBCH 89	Non applicable	-	-	-	Non pertinent
	Également autorisé sous abri. Intervalle minimum entre les applications : 7 jours.							
<b>12153202</b> Cassissier*Trt Part.Aer.*Oïdium(s)	100 mL/m <sup>2</sup>	5/an	entre les stades BBCH 10 et BBCH 87	1	-	-	-	Non pertinent
	Intervalle minimum entre les applications : 7 jours.							
<b>16323203</b> Cucurbitacées à peau comestible*Trt Part.Aer.*Oïdium(s)	60 mL/m <sup>2</sup>	6/an	entre les stades BBCH 10 et BBCH 89	1	-	-	-	Non pertinent
	Également autorisé sous abri. Intervalle minimum entre les applications : 7 jours.							
<b>17403202</b> Cultures florales et plantes vertes*Trt Part.Aer.*Oïdium(s)	60 mL/m <sup>2</sup>	6/an	entre les stades BBCH 10 et BBCH 89	Non applicable	-	-	-	Non pertinent
	Également autorisé sous abri. Intervalle minimum entre les applications : 7 jours Les applications avant le stade BBCH 10 et après le stade BBCH 89 sont retirées conformément aux données disponibles.							
<b>16553205</b> Fraisier*Trt Part.Aer.*Oïdium(s)	60 mL/m <sup>2</sup>	6/an	entre les stades BBCH 10 et BBCH 85	1	-	-	-	Non pertinent
	Également autorisé sous abri. Intervalle minimum entre les applications : 8 jours.							

ARMICARB JARDIN SPRAY

AMM n° 2171067

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Part A - National Assessment

FRANCE



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Égalité  
Fraternité*



### Liste des usages autorisés

En l'absence de mention spécifique, les usages autorisés correspondent à une utilisation en plein champ.

En l'absence de restriction, les usages sont autorisés sur l'ensemble des cultures de la portée de l'usage.

Usages	Dose maximale d'emploi	Nombre maximum d'applications	Stade d'application BBCH	Délai avant récolte (jours)	Zone Non Traitée aquatique (mètres)	Zone Non Traitée arthropodes non cibles (mètres)	Zone Non Traitée plantes non cibles (mètres)	Culture attractive en floraison (arrêté du 20/11/2021)
<b>12353204</b> Framboisier*Trt Part.Aer.*Oïdium(s)	<b>100 mL/m<sup>2</sup></b>	<b>5/an</b>	entre les stades BBCH 10 et BBCH 87	1	-	-	-	Non pertinent
Intervalle minimum entre les applications : 7 jours.								
<b>12603203</b> Fruits à pépins*Trt Part.Aer.*Tavelure(s)	<b>100 mL/m<sup>2</sup></b>	<b>5/an</b>	entre les stades BBCH 07 et BBCH 89	1	-	-	-	Non pertinent
Intervalle minimum entre les applications : 8 jours.								
<b>12553233</b> Pêcher - Abricotier*Trt Part.Aer.*Moniliose(s)	<b>100 mL/m<sup>2</sup></b>	<b>3/an</b>	entre les stades BBCH 79 et BBCH 89	1	-	-	-	Non pertinent
Intervalle minimum entre les applications : 3 jours.								
<b>16863203</b> Poivron*Trt Part.Aer.*Oïdium(s)	<b>60 mL/m<sup>2</sup></b>	<b>6/an</b>	entre les stades BBCH 10 et BBCH 89	1	-	-	-	Non pertinent
Également autorisé sous abri. Intervalle minimum entre les applications : 7 jours.								
<b>10993211</b> Porte graine - PPAMC, Florales et Potagères*Trt Part.Aer.*Oïdium(s)	<b>60 mL/m<sup>2</sup></b>	<b>6/an</b>	entre les stades BBCH 10 et BBCH 89	Non applicable	-	-	-	Non pertinent
Intervalle minimum entre les applications : 7 jours.								
<b>19993200</b> PPAMC*Trt Part.Aer.*Maladies fongiques	<b>60 mL/m<sup>2</sup></b>	<b>6/an</b>	entre les stades BBCH 10 et BBCH 89	1	-	-	-	Non pertinent
Également autorisé sous abri. Intervalle minimum entre les applications : 7 jours.								

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Part A - National Assessment

FRANCE

**Liste des usages autorisés**

En l'absence de mention spécifique, les usages autorisés correspondent à une utilisation en plein champ.

En l'absence de restriction, les usages sont autorisés sur l'ensemble des cultures de la portée de l'usage.

Usages	Dose maximale d'emploi	Nombre maximum d'applications	Stade d'application BBCH	Délai avant récolte (jours)	Zone Non Traitée aquatique (mètres)	Zone Non Traitée arthropodes non cibles (mètres)	Zone Non Traitée plantes non cibles (mètres)	Culture attractive en floraison (arrêté du 20/11/2021)
<b>17303203</b> Rosier*Trt Part.Aer.*Oïdium(s)	<b>100 mL/m<sup>2</sup></b>	<b>5/an</b>	entre les stades BBCH 41 et BBCH 59	Non applicable	-	-	-	Non pertinent
Également autorisé sous abri. Intervalle minimum entre les applications : 7 jours.								
<b>16953206</b> Tomate - Aubergine*Trt Part.Aer.*Oïdium(s)	<b>60 mL/m<sup>2</sup></b>	<b>6/an</b>	entre les stades BBCH 10 et BBCH 89	1	-	-	-	Non pertinent
Également autorisé sous abri. Intervalle minimum entre les applications : 7 jours.								
<b>12703204</b> Vigne*Trt Part.Aer.*Oïdium(s)	<b>100 mL/m<sup>2</sup></b>	<b>5/an</b>	entre les stades BBCH 15 et BBCH 89	1	-	-	-	Non pertinent
5 applications maximum par an et par culture. Intervalle minimum entre les applications : 7 jours.								
<b>12703205</b> Vigne*Trt Part.Aer.*Pourriture grise	<b>100 mL/m<sup>2</sup></b>	<b>5/an</b>	entre les stades BBCH 61 et BBCH 85	1	-	-	-	Non pertinent
5 applications maximum par an et par culture. Intervalle minimum entre les applications : 8 jours. Les applications après le stade BBCH 85 sont retirées conformément aux données disponibles.								





## Conditions d'emploi du produit

### Stockage et manipulation du produit

- Stocker le produit à une température inférieure à 40°C.
- Après stockage à basse température, agiter avant l'utilisation.

### *Délai de rentrée en application de l'arrêté du 4 mai 2017 :*

- Attendre le séchage complet de la zone traitée.

### Respect des limites maximales de résidus (LMR)

- Le délai avant récolte est fixé à 1 ou 3 jours selon les cultures afin de limiter l'exposition potentielle des consommateurs.

### Protection de l'environnement (milieux, faune et flore)

#### *Protection de l'eau*

- Ne pas rejeter dans l'évier, le caniveau ou tout autre point d'eau les fonds de bidon non utilisés.

Le produit peut être utilisé sur les usages autorisés, conformément aux conditions d'emploi antérieures à la présente décision pendant une période de 6 mois.

Pour la mise sur le marché français, la fabrication du produit s'opère exclusivement selon la composition intégrale figurant en annexe des conclusions de l'évaluation, dans un délai maximum de 12 mois à compter de la présente décision.

## Recommandations relatives à l'étiquette du produit

Il est recommandé de faire figurer l'information suivante sur l'étiquette :

- L'efficacité du produit étant variable et partielle, préciser les conditions optimales d'utilisation.



## 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.

Proposition d'étiquette  
Janvier 2022



### **ARMICARB® JARDIN SPRAY**

Fongicide sur diverses cultures telles que les rosiers, les cultures ornementales,  
légumières et fruitières

#### **ARMICARB® JARDIN SPRAY**

AMM n°2171067 délivrée le 05/12/2017

Détenteur de l'autorisation : DE SANGOSSE S.A.S - Bonnel - CS10005 - 47480 PONT-DU-CASSE

Tél. 05 53 69 36 30 - Fax 05 53 66 30 65 - [www.desangosse.fr](http://www.desangosse.fr)

Catégorie d'utilisateur : Amateur - Emploi autorisé dans les jardins

Type d'action: Fongicide

Composition : 4.25 g/L de hydrogénocarbonate de potassium

Formulation : Liquide destiné à être utilisé sans dilution (AL)

#### **Conseils de prudence :**

**P101** : En cas de consultation d'un médecin, garder à disposition le récipient ou l'étiquette

**P102** : Conserver hors de portée des enfants

**P264** : Se laver soigneusement les mains après manipulation.

**P270** : Ne pas manger, boire ou fumer en manipulant ce produit.

**P280** : Porter des gants de protection et des vêtements de protection

**P501** : Eliminer le contenu/le récipient conformément aux réglementations locales/nationales.

**EUH401** : Respecter les instructions d'utilisation pour 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. Eviter la contamination via les systèmes d'évacuation des eaux à partir des cours de ferme ou des routes]

**SPe3** : Pour protéger les organismes aquatiques, respecter une zone non traitée de 5 mètres par rapport aux points d'eau.

Délai de rentrée : Attendre le séchage complet de la zone traitée.

Le produit est exempt de Limite Maximale de Résidu

Utilisable en agriculture biologique conformément à la réglementation en vigueur.

Fiche de données de sécurité disponible sur [www.quickfds.com](http://www.quickfds.com)

Distribué par : xxxxxxxx

Date de fabrication : xx/xx/xxxx

N° de lot : xxxxx

Contenance : Xxx ml e

\*Marque déposée de Church & Dwight Co. Inc., USA

**BIEN LIRE L'ETIQUETTE AVANT TOUTE UTILISATION ET RESPECTER LES PRECAUTIONS D'EMPLOI**

## Proposition d'étiquette

Janvier 2022



### MODE D'ACTION

ARMICARB® JARDIN SPRAY est un fongicide de contact prêt à l'emploi. Il agit de façon préventive sur la tavelure en arboriculture. Il est efficace contre l'oïdium en arboriculture, viticulture, cultures maraîchères, petits fruits, houblon, plantes ornementales, plantes médicinales et aromatiques. Le mode d'action de l'hydrogénocarbonate de potassium est lié à la perturbation du pH, de la pression osmotique et de l'équilibre ion bicarbonate/ion carbonate des champignons sensibles. Il agit par contact et inhibe le développement des hyphes mycéliens et des spores (action préventive et curative). Son mode d'action multi sites rend les risques d'apparition de résistance peu probables. Une hygrométrie élevée pendant ou après l'application favorise l'efficacité. C'est la raison pour laquelle nous conseillons d'appliquer ARMICARB® JARDIN SPRAY en soirée.

### TABLEAU DES USAGES AUTORISÉS :

Cultures	Maladies	Dose autorisée	Nbre max d'appli-cation	Conditions d'emploi et stade d'application	Délai avant récolte	Zone non traitée
Cassissier, framboisier, groseillier	Oïdium	100 mL/m <sup>2</sup>	5/an	Stade d'application : entre les stades BBCH10 et BBCH87. Respecter un intervalle minimum de 7 jours entre chaque application	1 jour	5 mètres
Tomate, aubergine, poivron, courgette, concombre, cornichon, piments, chilis, pepino, Physalis et baie de Goji (également autorisé sous abri)	Oïdium	60 mL/m <sup>2</sup>	6/an	Stades d'application : entre les stades BBCH10 et BBCH89. Respecter un intervalle minimum de 7 jours entre chaque application		
Fraisier (également autorisé sous abri)	Oïdium	60 mL/m <sup>2</sup>	6/an	Stades d'application : entre les stades BBCH10 et BBCH85. Respecter un intervalle minimum de 8 jours entre chaque application		
Porte graines – PPAMC, florales et potagères	Oïdium	60 mL/m <sup>2</sup>	6/an	Stades d'application : entre les stades BBCH10 et BBCH89. Respecter un intervalle minimum de 7 jours entre les applications		
PPAMC (également autorisé sous abri)	Maladies fongiques	60 mL/m <sup>2</sup>	6/an	Stades d'application : entre les stades BBCH10 et BBCH89. Respecter un intervalle minimum de 7 jours entre les applications		
Vigne	Oïdium	100 mL/m <sup>2</sup>	5/an	Stades d'application : entre les stades BBCH15 et BBCH89. Respecter un intervalle minimum de 7 jours entre chaque application		
Vigne	Pourriture grise	100 mL/m <sup>2</sup>	5/an	Stades d'application : entre les stades BBCH61 et BBCH89. Respecter un intervalle minimum de 8 jours entre chaque application		

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## Proposition d'étiquette

Janvier 2022



Arbres et arbustes	Oïdium	100 mL/m <sup>2</sup>	5/an	Stades d'application : entre les stades BBCH10 et BBCH89. Application sur feuillage jeune uniquement. Respecter un intervalle minimum de 7 jours entre chaque application		
Rosier (également autorisé sous abri)	Oïdium	100 mL/m <sup>2</sup>	5/an	Stades d'application : entre les stades BBCH41 et BBCH59. Respecter un intervalle minimum de 7 jours entre chaque application		
Cultures florales et plantes vertes (également autorisé sous abri)	Oïdium	60 mL/m <sup>2</sup>	6/an	Application sur fleurs, feuillages jeunes et mûres. Respecter un intervalle minimum de 7 jours entre chaque application		
Pommier, poirier, cognassier, nèfles, nashi, pomette	Tavelure	100 mL/m <sup>2</sup>	5/an	Respecter un intervalle minimum de 8 jours entre chaque application Stades d'application : entre BBCH07 et BBCH89. Appliquer de Mars à Octobre		
Pêcher, abricotier, nectarinier	Moniliose	100 mL/m <sup>2</sup>	3/an	Respecter un intervalle minimum de 3 jours entre chaque application Stades d'application : entre BBCH79 et BBCH89. Appliquer de Mai à Septembre		

### INSTRUCTIONS D'EMPLOI :

#### Recommandations d'emploi

Le produit ARMICARB® JARDIN SPRAY est prêt à l'emploi. Agiter avant l'application. ARMICARB® JARDIN SPRAY n'est pas résistant au lessivage. Si la pluviométrie est supérieure à 20 mm, il faudra alors refaire une application. Selon les conditions climatiques et les infections, répéter les applications tous les 8-12 jours. Ne pas traiter si la température journalière dépasse 25°C. Ne pas appliquer ARMICARB® JARDIN SPRAY lors de hautes températures dans les cultures maraîchères, cultures de fines herbes et baies et dans les serres. Il est recommandé d'appliquer ARMICARB® JARDIN SPRAY soit en matinée soit en soirée lorsque l'hygrométrie est élevée.

Délai de rentrée : Attendre le séchage complet de la zone traitée.

#### Protection de l'environnement :

Ne pas rejeter dans l'évier, les caniveaux ou tout autre point d'eau les fonds de bidons non utilisés.



#### ELIMINATION DU PRODUIT ET DE SON EMBALLAGE :

RE-EMPLOI DE L'EMBALLAGE INTERDIT.

Ne pas jeter les résidus dans les égouts ou les cours d'eau.

Ne pas jeter dans les poubelles ménagères, mais éliminer l'emballage avec ou sans produit en déchetterie ou par un organisme agréé.

#### EQUIPEMENTS DE PROTECTION INDIVIDUELLES

Pour se protéger, porter des gants lors de l'utilisation du produit ARMICARB® JARDIN SPRAY.

## Proposition d'étiquette

Janvier 2022



### PREMIERS SECOURS

En cas d'urgence, appeler le 15 ou le centre antipoison le plus proche.

**En cas de contact avec les yeux :** Enlever les lentilles de contact si nécessaire. Rincer immédiatement avec de l'eau claire avec une faible pression et si possible tiède, en soulevant de temps en temps les paupières supérieures.

**En cas de contact avec la peau :** Enlever les vêtements contaminés. Laver les parties exposées à l'eau.

**En cas d'inhalation :** Emmener la personne à l'air libre loin de la source d'exposition. Adapter le traitement aux symptômes.

**En cas d'ingestion :** Ne pas faire vomir après ingestion. Si la personne est consciente, donner à boire. Ne jamais rien donner à ingérer à une personne inconsciente.

### STOCKAGE :

Stocker le produit dans son emballage d'origine dans un endroit frais et sec à une température ambiante supérieure à 0°C. Ne pas stocker le produit dans un local où la température peut dépasser 40°C. Stocker le produit dans un local fermé à clé. Conserver hors de la portée des enfants. Conserver à l'écart des aliments et boissons, y compris ceux pour animaux.

### IMPORTANT

Respecter les usages, doses, conditions et précautions d'emploi mentionnées sur l'emballage. Elles ont été déterminées en fonction des caractéristiques du produit et des applications pour lesquelles il est préconisé.

Conduisez sur ces bases, la culture et les traitements selon la bonne pratique phytopharmaceutique en tenant compte, sous votre responsabilité, de tous les facteurs particuliers concernant la zone traitée tels que notamment la nature du sol, les conditions météorologiques, les méthodes culturales, les variétés végétales, la résistance des espèces...

Le fabricant garantit la qualité de ses produits vendus dans leur emballage d'origine ainsi que leur conformité à l'autorisation de mise sur le marché.