States of Guernsey

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Poisonous Substances Approvals Register - July 2022

Substance Name	Category	Date of approval	Expiration of approval	Legislation	Approval type (general, professional or licensed)	CAS Number	Identification Numbers (Biologicals)	IUPAC Name	Purity	Specific provisions
(E)-11-Tetradecen-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	33189-72-9		(E)-11-tetradecen-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(E)-5-Decen-1-ol	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	56578-18-8		(E)-5-decen-1-ol	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(E)-5-Decen-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	38421-90-8		(E)-5-decen-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(E)-8-Dodecen-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	38363-29-0		(E)-8-dodecen-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(E,E)-7,9-Dodecadien-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	54364- 63-5		(E,E)-7,9-dodecadien-1- yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(E,E)-8,10-Dodecadien-1-ol	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	33956-49-9		(E,E)-8,10-dodecadien-1-ol	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(E,Z)-2,13-Octadecadien-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	86252-65-5		(E, Z)-2, 13-octadecadien- 1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(E,Z)-3,8-Tetradecadien-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional			(3E,8Z)Tetradeca-3,8-dien-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(E,Z)-7,9-Dodecadien-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	54364-62-4		(E,Z)-7,9-dodecadien-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(E,Z)-8-Dodecen-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	38363-29-0, 28079-04-1		(E/Z)-8-dodencen-1yl acetate, as individual isomers: (E)-8-dodencen-1yl acetate, (Z)-8-dodencen-1yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(E,Z)-9-Dodecen-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	55774- 32-8		(E,Z)-7,9-dodecadien-1- yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(E,Z,Z)-3,8,11-Tetradecatrien-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional			(3E,8Z,11Z)-tetradeca-3,8,11-trien-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z)-11-Hexadecen-1-ol	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	56683-54-6		(Z)-11-hexadecen-1-ol	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z)-11-Hexadecen-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	34010-21-4		Z-11-hexadecen-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z)-11-Hexadecenal	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	53939-28-9		(Z)-11-hexadecenal	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z)-11-Tetradecen-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	20711-10-8		(Z)-11-tetradecen-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z)-13-Octadecenal	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	58594-45-9		(Z)-13-octadecenal	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z)-7-Tetradecenal	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	65128-96-3		(Z)-7-tetradecenal	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z)-8-Dodecen-1-ol	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	40642-40-8		(Z)-8-dodecen-1-ol	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z)-8-Dodecen-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	28079-04-1		(Z)-8-dodecen-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.

(Z)-8-Tetradecen-1-ol	Attractant	01/09/2009	31/08/2024	Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg. (EU)2020/1160 (, 2008/127,, Reg. (EU) 2017/195)	Professional	64470-32-2	(8Z)-tetradec-8-en-1-ol	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z)-8-Tetradecen-1-yl acetate	Attractant	01/09/2009	31/08/2024	Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg. (EU)2020/1160 (, 2008/127,, Reg. (EU) 2017/195)	Professional	35835-80-4	(8Z)-tetradec-8-en-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z)-9-Dodecen-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	16974-11-1	(Z)-9-dodecen-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z)-9-Hexadecenal	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	56219-04-6	(Z)-9-hexadecenal	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z)-9-Tetradecen-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	16725-53-4	(Z)-9-tetradecen-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z,E)-7,11-Hexadecadien-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	51606-94-4	(Z, E)-7, 11-hexadecadien- 1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z,E)-9,11-tetradecadien-1-yl-acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	50767-79-8	(Z,E)-9,11-tetradecadien-1-yl-acetate	945 g/kg	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z,E)-9,12-Tetradecadien-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	31654-77-0	(Z, E)-9, 12-tetradecadien- 1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
(Z,Z)-7,11-Hexadecadien-1-yl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	52207- 99-5	(Z,Z)-7,11-Hexadecadien-1-yl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
1,4-Dimethylnaphthalene	Plant growth regulator	01/07/2014	30/06/2025	Reg. (EU) No 192/2014, Reg. (EU) No 540/2011 (, 2010/244/EU), Reg (EU) 2020/2007	Professional	571-58-4	1,4-dimethylnaphthalene	≥ 980 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on 1,4- dimethylnaphthalene, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 13 December 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the protection of operators and of workers at re-entry and during inspection of the warehouse; (b) the risk to aquatic organisms and fish-eating mammals the active substance is discharged from warehouses into air and surface water without further treatment. Conditions of use shall include risk mitigation measures, where appropriate.
1-Decanol	Plant growth regulator	01/06/2011	31/08/2024	2011/33/EU, Re. (EU) No 2018/1266, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 112-30-1	Decan-1-ol	≥ 960 g/kg	PART A Only uses as plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on 1-decanol, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 January 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk to consumers from residues in case of use on food or feed crops; — the risk for operator and ensure that conditions of use prescribe the application of adequate personal protective equipment where appropriate; — the protection of groundwater when the active substance is applied in regions with vulnerable soil and/or climatic conditions; — the risk to aquatic organisms; — the risk to non-target arthropods and bees that may be exposed to the active substance by visiting flowering weeds present in the crop at time of application. Risk mitigation measures shall be applied, where appropriate.
1-methylcyclopropene	Plant growth regulator	01/08/2019	31/07/2034	06/19/EC, Reg. (EU) No 2018/1262, Reg. (EU) No 540/2011 (, Reg. (EU) No 2017/1511,, Reg. (EU) No 533/2013), Reg. (EU) No 2019/1085	Professional	CAS No 3100-04-7	1-methylcyclopropene	≥ 980 g/kg (technical concentrate) The following impurities are of toxicological concern and must not exceed the following levels in the technical material (technical concentrate): — 1-chloro-2-methylpropene: maximum of 0,2 g/kg, — 3-chloro-2-methylpropene: maximum of 0,2 g/kg. For 1-methylcyclopropene generated in situ, Heptane and methylcyclohexane are toxicologically relevant impurities. These impurities should remain below 10 %.	Only uses as plant growth regulator for post-harvest storage in sealable warehouse may be authorised. For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on 1-methycyclopropene, and in particular Appendices I and II thereto, shall be taken into account.
1-Naphthylacetamide (1-NAD)	Plant growth regulator	01/01/2012	31/12/2026	Reg. (EU) No 540/2011, Reg. (EU) No 786/2011 (, 2008/941/EC), Reg. (EU) No 2019/291	Professional	CAS No 86-86-2	2-(1-naphthyl)acetamide	≥ 980 g/kg	PART A Only uses as plant growth regulator may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on 1-naphthylacetamide, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011, shall be taken into account. In this overall assessment competent authorities: (a) shall pay particular attention to the risk to operators and workers and ensure that conditions of use include the application of adequate personal protective equipment, where appropriate; (b) shall pay particular attention to the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions; (c) shall pay particular attention to the risk to aquatic organisms; (d) shall pay particular attention to the risk to non-target plants; (e) shall pay particular attention to the risk to birds. Conditions of use shall include risk mitigation measures, where appropriate.
1-Naphthylacetic acid (1-NAA)	Plant growth regulator	01/01/2012	31/12/2026	Reg. (EU) No 540/2011, Reg. (EU) No 787/2011 (, 2008/941/EC) Reg. (EU) No 2019/291	Professional	86-87-3	1-naphthylacetic acid	≥ 980 g/kg	PART A Only uses as plant growth regulator may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on 1-naphthylacetic acid, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011 shall be taken into account. In this overall assessment competent authorities: (a) shall pay particular attention to the risk to operators and workers and shall ensure that conditions of use include the application of adequate personal protective equipment, where appropriate; (b) shall pay particular attention to the dietary exposure situation of consumers in view of future revisions of maximum residue levels; (c) shall pay particular attention to the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions; (d) shall pay particular attention to the risk to aquatic organisms; (e) shall pay particular attention to the risk to birds. Conditions of use shall include risk mitigation measures, where appropriate.
2,4-D	Herbicide, Plant growth regulator	01/01/2016	31/12/2030	Reg. (EU) 2015/2033, Reg. (EU) No 540/2011 (, 01/103/EC,, 2010/77/EU,, Reg. (EU) 2015/1885)	General	CAS No 94-75-7	(2,4-dichlorophenoxy) acetic acid	≥ 960 g/kg Impurities: Free phenols (expressed as 2,4-DCP): not more than 3 g/kg. Sum of dioxins and furans (WHO-TCDD TEQ)(2): not more than 0,01 mg/kg.	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on 2,4-D, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to aquatic organisms, terrestrial organisms and consumers in cases of uses above 750 g/ha. Conditions of use shall include risk mitigation measures, where appropriate.

2,4-DB	Herbicide	01/11/2017	31/10/2032	Reg. (EU) 2017/1491, Reg. (EU) No 540/2011 (, 03/31/EC,, Reg. (EU) 2016/950,, Reg. (EU) No 823/2012)	Professional	CAS No 94-82-6	4-(2,4-dichlorophenoxy) butyric acid	≥ 940 g/kg Impurities: Free phenols (expressed as 2,4-dichlorophenol (2,4-DCP)): max. 15 g/kg. Dibenzo-p-dioxins and polychlorinated dibenzofurans (TCDD toxic equivalents (TEQ)): max. 0,01 mg/kg.	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on 2,4-DB, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators and workers, — the protection of consumers from products of animal origin, — the protection of wild mammals, — the protection of soil non-target organisms, — the protection of aquatic organisms, — the protection of non-target terrestrial plants. Conditions of use shall include risk mitigation measures, where appropriate.'
2,5-Dichlorobenzoic acid methylester	Fungicide,Plant growth regulator	01/09/2009	31/08/2025	2008/125, Reg. (EU) No 540/2011, Reg. (Eu) 2017/195	Professional	CAS No 2905-69-3	methyl-2,5-dichlorobenzoate	≥ 995 g/kg	PART A Only indoor uses as plant growth regulator and fungicide for grafting of grapevines may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on 2,5-Dichlorobenzoic acid methylester, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 October 2008 shall be taken into account.
2-Phenylphenol (incl. sodium salt orthophenyl phenol)	Fungicide	01/01/2010	31/12/2024	2009/160/EC, 2010/81/EU, Reg. (EU) No 540/2011	Professional	CAS No 90-43-7	biphenyl-2-ol	≥ 998 g/kg	PART A Only uses as a post-harvest fungicide for indoor use may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on 2- phenylphenol, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 27 November 2009, as amended in the Standing Committee on the Food Chain and Animal Health on 28 October 2010, shall be taken into account. In this overall assessment competent authorities must pay particular attention: — to the protection of operators and workers and ensure that conditions of use prescribe the application of adequate personal protective equipment, — to put in place appropriate waste management practices to handle the waste solution remaining after application, including the cleaning water of the drenching and other application systems. competent authorities permitting the release of wastewater into the sewage system, shall ensure that a local risk assessment is carried out.
6-Benzyladenine	Plant growth regulator	01/06/2011	31/08/2024	2011/1/EU, Reg.(EU) No 2018/1266, Reg.(EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 1214-39-7	N6-benzyladenine	≥ 973 g/kg	PART A Only uses as plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on 6-benzyladenine, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 November 2010 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of aquatic organisms. Risk mitigation measures such as buffer zones shall be applied, where appropriate.
8-Hydroxyquinoline incl. oxyquinoleine	Fungicide	01/01/2012	31/12/2024	2006/797/EC, Reg. (EU) 2017/2065, Reg. (EU) No 540/2011, Reg. (EU) No 993/2011	Professional	148-24-3 (8-hydroxyquinoline)	8-quinolinol	≥ 990 g/kg	PART A Only uses as fungicide and bactericide in greenhouses may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on 8-hydroxyquinoline, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 July 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the operator safety and shall ensure that conditions of use include the application of adequate personal protective equipment, where appropriate.
Abamectin (aka avermectin)	Acaricide, Insecticide	01/05/2009	30/04/2024	2008/107, Reg. (EU) 2017/438, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	Abamectin CAS No 71751-41-2 avermectin B1a CAS No 65195-55-3 Avermectin B1b CAS No 65195-56-4	AvermectinB1a (10E,14E,16E,22Z)-(1R,4S,5'S,6S,6'R,8R,12S, 13S,20R,21R,24S)-6''-[(S)- sec-butyl]-21,24- dihydroxy-5',11.13,22- tetramethyl-2-oxo-3.7,19-trioxatetracyclo[15.6.1.14,8 020,24]pentacosa-10.14,16,22-tetraene-6- spiro-2'-(5',6'-dihydro- 2'H-pyran)-12-yl 2,6- dideoxy-4-O-(2,6-dideoxy- 3-O-methyl-α-L-arabino- hexopyranosyl)-3-O- methyl-α-L-arabino- hexopyranoside AvermectinB1b (10E,14E,16E,22Z)-(1R,4S,5'S,6S,6'R,8R,12S,13S,20R,21R,24S)-21,24-dihydroxy-6'-isopropyl- 5',11.13,22-tetramethyl-2-oxo-3.7,19-trioxatetracyclo[15.6.1.14,8 020,24]pentacosa-10.14,16,22-tetraene-6- spiro-2'-(5',6'-dihydro- 2'H-pyran)-12-yl 2,6- dideoxy-4-O-(2,6-dideoxy- 3-O-methyl-α-L-arabino- hexopyranosyl)-3-O- methyl-α-L-arabino- hexopyranoside	≥ 850 g/kg	PART A Only uses as insecticide, acaricide and nematicide may be authorised. PART B In assessing applications to authorise plant protection products containing abamectin for uses other than citrus, lettuce and tomatoes, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information are provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on abamectin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 July 2008 and of the addendum to the review report on abamectin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed dated 24 January 2017 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment, — the residues in food of plant origin and evaluate the dietary exposure of consumers, — the protection of bees, non-target arthropods, soil organisms, birds, mammals and aquatic organisms. In relation to these identified risks, risk mitigation measures, such as buffer zones and waiting periods, should be applied where appropriate.
Acequinocyl	Acaricide	01/09/2014	30/11/2024	Reg. (EU) No 496/2014, Reg. (EU) No 540/2011 (, Dossier complete 03/636/EC), Reg (EU) 2020/2007	Professional	57960-19-7	3-dodecyl-1,4-dihydro-1,4-dioxo-2-naphthyl acetate	≥ 960 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on acequinocyl, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 March 2014 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of workers and operators; — the risk to birds, mammals and aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards: (a) an analytical method for residues in body fluids and tissues; (b) the acceptability of the long-term risk to small granivorous birds and small herbivorous and frugivorous mammals, concerning the use on apple and pear orchards; (c) the acceptability of the long-term risk to small omnivorous and small herbivorous mammals, concerning the use on outdoor ornamentals.
Acetamiprid	Insecticide	01/03/2018	28/02/2033	Reg. (EU) 2018/113, Reg. (EU) No 540/2011 (, 04/99/EC,, Reg. (EU) 2016/2016,, Reg. (EU) No 1197/2012)	General	CAS No 160430-64-8	(E)-N1-[(6-chloro-3-pyridyl)methyl]-N2-cyano-N1-methylacetamidine	≥ 990 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on acetamiprid, and in particular Appendices I and II thereof, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the risk to aquatic organisms, bees and other non-target arthropods, — the risk to birds and mammals, — the risk to consumers, — the risk to operators. Conditions of use shall include risk mitigation measures, where appropriate.'
Acetic acid	Herbicide	01/09/2009	31/08/2025	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 790/2013	General	CAS No 64-19-7	Acetic acid	≥ 980 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on acetic acid (SANCO/2602/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 16 July 2013, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators, the protection of groundwater and the protection of aquatic organisms. Conditions of use shall include, where appropriate, risk mitigation measures.
Acibenzolar-S-methyl (benzothiadiazole)	Plant activator	01/04/2016	31/03/2031	01/87/EC, Reg. (EU) 2016/389, Reg. (EU) No 540/2011 (, 2010/77/EU,, Reg. (EU) 2015/1885)	Professional	CAS No 135158-54-2	S-methyl benzo[1,2,3]thiadiazole-7-carbothioate	970 g/kg Toluene: max. 5 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on acibenzolar-S-methyl, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk for consumers via food intake; (b) the protection of operators and workers; (c) the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Aclonifen	Herbicide	01/08/2009	31/07/2025	2008/116, Reg. (EU) 2017/195, Reg. (EU) No 540/2011	Professional	CAS No 74070-46-5	2-chloro-6-nitro-3-phenoxyaniline	≥ 970 g/kg The impurity phenol is of toxicological concern and a maximum level of 5 g/kg is established.	PART A Only uses as herbicide may be authorised. PART B In assessing applications to authorise plant protection products containing aclonifen for uses other than sunflower, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on aclonifen, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 26 September 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the specification of the technical material as commercially manufactured, which must be confirmed and supported by appropriate analytical data. The test material used in the toxicity dossiers should be compared and verified against this specification of the technical material, — the protection of the operators safety. Authorised conditions of use must prescribe the application of adequate personal protective equipment and risk mitigation measures to reduce the exposure, — the residues in rotational crops and evaluate the dietary exposure of consumers, — the protection of birds, mammals, aquatic organisms and non-target plants. In relation to these identified risks, risk mitigation measures, such as buffer zones, should be applied where appropriate.

Acrinathrin	Acaricide	01/01/2012	31/12/2026	Reg. (EU) 2017/358, Reg. (EU) No 540/2011, Reg. (EU) No 974/2011 (, 2008/934) Reg. (EU) No 2019/291	Professional	101007-06-1		(S)-α-cyano-3-phenoxybenzyl (Z)-(1R,3S)- 2,2-dimethyl-3-[2-(2,2,2-trifluoro-1-trifluoromethylethoxycarbonyl)vinyl]cyclopropanecarboxylate or (S)-α-cyano-3-phenoxybenzyl (Z)-(1R)-cis-2,2-dimethyl-3-[2-(2,2,2-trifluoro-1-trifluoromethylethoxycarbonyl)vinyl]cyclopropanecarboxylate	≥ 970 g/kg Impurities: 1,3-dicyclohexylurea: not more than 2 g/kg	PART A Only uses as insecticide and acaricide may be authorised at rates not exceeding 22,5 g/ha per application. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on acrinathrin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 July 2011 shall be taken into account. In this overall assessment competent authorities: (a) shall pay particular attention to the protection of operators and workers and shall ensure that conditions of use include the application of adequate personal protective equipment, where appropriate; (b) shall pay particular attention to the risk to aquatic organisms, in particular fish, and shall ensure that conditions of authorisation include risk mitigation measures, where appropriate; (c) shall pay particular attention to the risk to non-target arthropods and bees and shall ensure that conditions of authorisation include risk mitigation measures. The applicant shall submit confirmatory information as regards: (1) the potential risk to groundwater from the metabolite 3-PBAld (*); (2) the chronic risk to fish; (3) the risk assessment for non-target arthropods; (4) the possible impact on the worker, the consumer and the environmental risk assessment of the potential stereo-selective degradation of each isomer in plant, animals and the environment. The applicant must submit to each competent authority the information set out in point (4) within two years after the issuing of specific guidance.
Adoxophyes orana GV strain BV-0001	Insecticide	01/02/2013	31/01/2024	Dossier complete 07/669/EC, Reg. (EU) No 746/2012, Reg (EU) 2020/2007	Professional	Culture collection No DSM BV-0001 CIPAC No 782	Not applicable	No relevant impurities SANCO/11373/2012		For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Adoxophyes orana granulovirus, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 13 July 2012 shall be taken into account.´
Alpha-Cypermethrin (aka alphamethrin)	Insecticide	01/11/2019	31/10/2026	04/58/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011 (, Reg. (EU) 2017/841), Reg. (EU) 2019/707, Reg. (EU) 2019/1690	Professional	67375-30-8	Racemate comprising: (R)-α-cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (S)-α- cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate or (R)-α-cyano-3-phenoxybenzyl-(1S)-cis-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (S)-α-cyano-3-phenoxybenzyl-(1R)-cis-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	≥ 980 g/kg The manufacturing impurity hexane is considered to be of toxicological concern and must not exceed 1 g/kg in the technical material	For the implementation of the uniform principles, as referred to in Article 9(6) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on alpha-cypermethrin, and in particular Appendices I and II thereto, shall be taken into account.In this overall assessment the competent authority shall pay particular attention to: — the protection of operators, ensuring that the conditions of use prescribe the application of adequate personal protective equipment; — the consumer risk assessment; — the protection of aquatic organisms, bees and non-target arthropods. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit to the competent authority confirmatory information as regards: 1. the toxicological profile of the metabolites bearing the 3- phenoxybenzoyl moiety; 2. the potential relative toxicity of individual cypermethrin isomers, in particular the enantiomer (1S cis aR); 3. the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or groundwater is abstracted for drinking water; 4. Points 3.6.5 and 3.8.2 of Annex II of Regulation (EC) No 1107/2009, as amended by Regulation (EU) 2018/605. The applicant shall submit the information referred to in point 1 by 30 October 2020; the information referred to in point 2 within two years from the date of publication, by the Commission, of a guidance document on evaluation of isomer mixtures; and the information referred to in point 3 within two years from the date of publication, by the Commission, of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater. As regards Points 3.6.5 and 3.8.2 of Annex II of Regulation (EC) No 1107/2009, as amended by Regulation (EU) 2018/605 an updated assessment of the information already submitted and, where relevant, further information to confirm the absence of androgenic endocrine activity shall be submitted by 30 October 2021.
Aluminium ammonium sulphate	Repellant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 597/2012, Reg (EU) No 2020/1160	General	CAS No 7784-26-1 (dodecahydrate), 7784-25-0 (anhydrous)	Aluminium ammonium sulphate	≥ 960 g/kg (expressed as dodecahydrate) ≥ 502 g/kg (anhydrous)		PART A Only uses as repellent may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on aluminium ammonium sulphate (SANCO/2985/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 June 2012 shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Aluminium silicate (aka kaolin)	Repellant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 571/2012, Reg (EU) No 2020/1160	Professional	CAS No 1332-58-7	Not available, Chemical name: Kaolin	≥ 999,8 g/kg		PART A Only uses as repellent may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on aluminium silicate (SANCO/2603/08) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 June 2012 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the operator safety; conditions of use shall include the application of adequate personal and respiratory protective equipment, where appropriate. Conditions of use shall include, where appropriate, risk mitigation measures.
Aluminium sulphate	Bactericide	01/06/2011	31/08/2024	2011/47/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	General	CAS No 10043-01-3	Aluminium sulfate	970 g/kg		PART A Only indoor uses as post-harvest bactericide for ornamental plants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on aluminium sulfate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. The competent authorities concerned shall request the submission of confirmatory information as regards the specification of the technical material, as commercially manufactured, in the form of appropriate analytical data.
Ametoctradin	Fungicide	01/08/2013	31/07/2026	Reg. (EU) No 200/2013 (, Dossier complete 2009/5351)	Professional	865318-97-4	5-ethyl-6-octyl [1,2,4]triazolo[1,5-a] pyrimidin-7-amine	≥ 980 g/kg The impurities amitrole and o-xylene are of toxicological relevance and shall not exceed 50 mg/kg and 2 g/kg respectively in the technical material.		For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on ametoctradin, and in particular Appendices I and II thereto, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 February 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the leakage of metabolite M650F04 (2) to groundwater under vulnerable conditions. Conditions of use shall include risk mitigation measures, where appropriate.
Amidosulfuron	Herbicide	01/01/2009	31/12/2024	2008/40, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 120923-37-7	3-(4,6-dimethoxypyrimidin-2-yl)-1-(N- methyl-N-methylsulfonyl- aminosulfonyl)urea or 1-(4,6-dimethoxypyrimidin-2-yl)-3- mesyl(methyl) sulfamoylurea	≥ 970 g/kg		PART A Only uses as herbicide may be authorised. PART B In assessing applications to authorise plant protection products containing amidosulfuron for uses other than meadows and pasture, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on amidosulfuron, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 22 January 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the protection of groundwater due to a potential for groundwater contamination by some of the degradation products when it is applied in regions with vulnerable soil and/or climatic conditions, — the protection of aquatic plants. In relation to these identified risks, risk mitigation measures, such as buffer zones, should be applied where appropriate.
Amisulbrom	Fungicide	01/07/2014	30/09/2024	Reg. (EU) No 193/2014 (, 2007/669/EC,, 2010/353/EU,, 2012/191/EU), Reg (EU) 2020/2007	Professional	348635-87-0	3-(3-bromo-6-fluoro-2- methylindol-1-ylsulfonyl)-N,N-dimethyl-1H-1,2,4- triazole-1-sulfonamide	≥ 985 g/kg The following relevant impurity shall not exceed: 3-bromo-6-fluoro-2-methyl-1- (1H-1,2,4-triazol-3-ylsulfonyl)- 1H-indole: ≤ 2 g/kg		For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on amisulbrom, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 13 December 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to aquatic and soil organisms. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards: (1) the non-significance of photodegradation in the soil metabolism of amisulbrom concerning the metabolites 3-bromo-6-fluoro-2-methyl-1-(1H- 1,2,4-triazol-3-ylsulfonyl)-1H-indole and 1-(dimethylsulfamoyl)-1H- 1,2,4-triazole-3-sulfonic acid to contaminate groundwater; (2) the low potential of amisulbrom (FOCUS drainage scenarios only) and metabolites 1-(dimethylsulfamoyl)-1H-1,2,4-triazole-3-sulfonic acid, 1H- 1,2,4-triazole-3-sulfonic acid, 1H-1,2,4-triazole, N,N-dimethyl-1H-1,2,4- triazole-3-sulfonamide, 2-acetamido-4-fluorobenzoic acid, 2-acetamido- 4-fluoro-hydroxybenzoic acid and 2,2'-oxybis(6-fluoro-2-methyl-1,2- dihydro-3H-indol-3-one) to contaminate surface water or to expose aquatic organisms by runoff; (3) depending on the outcome of the assessment under (1) and (2), where there is considerable photodegradation in soil or where there is high potential for contamination or exposure, additional analytical methods to determine all compounds of the residue definition for monitoring in surface water; (4) the risk from secondary poisoning for birds and mammals by 3-bromo- 6-fluoro-2-methyl-1-(1H-1,2,4-triazol-3-ylsulfonyl)-1H-indole; (5) the potential for causing endocrine disrupting effects in birds and fish by amisulbrom and its metabolite 3-bromo-6-fluoro-2-methyl-1-(1H-1,2,4- triazol-3-ylsulfonyl)-1H-indole. The applicant must submit to each competent authority the information set out in point (5) within two years after the adoption of OECD test guidelines on endocrine disruption.
Ampelomyces quisqualis strain AQ10	Fungicide	01/08/2018	01/08/2033	Reg. (EU) 2018/1075, Reg. (EU) No 540/2011 (, 05/2/EC,, Reg. (EU) 2017/841)	Professional	Culture collection No CNCM I-807	Not applicable	Minimum content of viable spores: 3,0 × 1012 CFU/kg SANTE-10210-2018		For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on Ampelomyces quisqualis strain AQ10, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that microorganisms are per se considered as potential sensitizers and ensuring that adequate personal protective equipment is included as a condition of use. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer. Conditions of use shall include risk mitigation measures, where appropriate.
Aureobasidium pullulans (strains DSM 14940 and DSM 14941)	Fungicide, Bactericide	01/02/2014	31/01/2025	Reg. (EU) No 827/2013 (, Dossier complete 08/953/EC), Reg (EU) 2020/2007	Professional	Collection number: German Collection of Microorganisms and cell Cultures (DSMZ) with the accession numbers DSM 14940 and DSM 14941	Not applicable	Minimum 5,0 × 109 CFU/g for each strain; Maximum 5,0 × 1010 CFU/g for each strain SANCO/11104/2013		For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Aureobasidium pullulans (strains DSM 14940 and DSM 14941), and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 16 July 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Aureobasidium pullulans (strains DSM 14940 and DSM 14941) is to be considered as a potential sensitizer. Conditions of use shall include risk mitigation measures, where appropriate.
Azadirachtin (Margosa extract)	Insecticide	01/06/2011	31/08/2024	2011/44/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011, Reg (EU) 2020/1293, Reg (EU) 2020/2007	Professional	CAS No 11141-17-6 (azadirachtin A)	Azadirachtin A: dimethyl (2aR,3S,4S,4aR,5S,7aS,8S,10R,10aS,10bR)-10- acetoxy-3,5-dihydroxy-4-[(1aR,2S,3aS,6aS,7S,7aS)- 6a-hydroxy-7a-methyl-3a,6a,7,7a-tetrahydro-2,7- methanofuro[2,3-b]oxireno[e]oxepin-1a(2H)- yl]-4-methyl-8-[[(2E)-2-methylbut-2- enoyl]oxy]octahydro-1H- naphtho[1,8a-c:4,5- b'c']difuran-5,10a(8H)- dicarboxylate.	Expressed as azadirachtin A: ≥ 111 g/kg Sum of the aflatoxins B1, B2, G1, G2 must not exceeding 300 µg/kg of the azadirachtin A content.	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on azadirachtin, and in particular Appendices I and II thereto, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 and of the addendum to the review report on azadirachtin, and in particular Appendices I and II thereto, as finalised by the Standing Committee on Plants, Animals, Food and Feed on 17 July 2020 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (1) the dietary exposure of consumers in view of future revisions of Maximum Residue Levels; (2) the protection of non-target arthropods and aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate

Azimsulfuron	Herbicide	01/01/2012	31/12/2024	Reg. (EU) No 704/2011 (, 1999/80/EC,, 2007/21/EC,, 2010/54/EU,, Reg. (EU) No 540/2011)	Professional	CAS No 120162-55-2		1-(4,6-dimethoxypyrimidin-2-yl)-3-[1- methyl-4-(2-methyl-2H-tetrazol-5-yl)- pyrazol-5-ylsulfonyl]-urea	≥ 980 g/kg maximum level of the impurity phenol 2 g/kg	PART A Only uses as herbicide may be authorised. Aerial applications may not be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on azimsulfuron, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (1) the protection of non-target plants; (2) the potential for groundwater contamination, when the active substance is applied in vulnerable scenarios and/or climatic conditions; (3) the protection of aquatic organisms. competent authorities shall ensure that the conditions of authorisation include risk mitigation measures, where appropriate (e.g. buffer zones, in rice cultivation minimum holding periods for water prior to discharge).
Azoxystrobin	Fungicide	01/01/2012	31/12/2024	Reg. (EU) No 703/2011 (, 1998/47/EC,, 2007/21/EC,, 2010/55/EU,, Reg. (EU) No 540/2011), Reg. (EU) No 2019/291	Professional	CAS No 131860-33-8		methyl (E)-2-{2[6-(2-cyanophenoxy)pyrimidin- 4-yloxy]phenyl}-3-methoxyacrylate	≥ 930 g/kg Toluene maximum content 2 g/kg Z-isomer maximum content 25 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on azoxystrobin and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (1) the fact that the specification of the technical material as commercially manufactured must be confirmed and supported by appropriate analytical data. The test material used in the toxicity dossiers should be compared and verified against this specification of the technical material; (2) the potential for groundwater contamination, when the active substance is applied in regions with vulnerable soil and/or climatic conditions; (3) the protection of aquatic organisms. The competent authorities must ensure that the conditions of authorisation include risk mitigation measures, where appropriate.
Bacillus amyloliquefaciens (former subtilis) str. QST 713	Bactericide, Fungicide	01/02/2007	30/04/2024	07/6/EC, Reg. (EU) 2015/1396, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 487/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	Bacillus subtilis (Cohn 1872) Strain QST 713, identical with strain AQ 713 Culture collection No: NRRL B -21661	Not applicable	SANCO/10184/2003		PART A Only uses as fungicide and bactericide may be authorised. (Amended by Regulation 2015/1396) PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Bacillus subtilis, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 14 July 2006 shall be taken into account.
Bacillus amyloliquefaciens MBI 600	Fungicide	16/09/2016	16/09/2026	Reg. (EU) 2016/1429, Reg. (EU) 540/2011	Professional	Accession number in the National Collection of Industrial, Marine and Food Bacteria Ltd (NCIMB), Scotland: NCIMB 12376 Deposit number in the American Type Culture Collection (ATCC): SD-1414	Not applicable	Minimum concentration: 5,0 × 1014 CFU/kg SANTE/10008/2016		For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Bacillus amyloliquefaciens strain MBI 600, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a)the specification of the technical material as commercially manufactured, including full characterisation of impurities and metabolites; (b) the protection of operators and workers, taking into account that Bacillus amyloliquefaciens strain MBI 600 is to be considered as a potential sensitiser. Conditions of use shall include risk mitigation measures, where appropriate. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer.
Bacillus amyloliquefaciens strain FZB24	Fungicide	01/06/2017	01/06/2032	Reg. (EU) 2017/806	Professional	Accession number in the culture collection of the 'Deutsche Sammlung von Mikroorganismen' (DSM), Germany: 10271 Accession number at the Agricultural Research Service Culture Collection (NRRL), USA: B-50304		Minimum concentration: 2 × 1014 CFU/kg SANTE/12037/2016		For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Bacillus amyloliquefaciens strain FZB24, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: —specification of the technical material as commercially manufactured, including full characterisation of impurities and metabolites; — the protection of operators and workers, taking into account that microorganisms are considered as potential sensitizers. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer. Conditions of use shall include risk mitigation measures, where appropriate.'
Bacillus amyloliquefaciens subsp. plantarum D747	Fungicide	01/04/2015	31/03/2025	Reg. (EU) No 1316/2014 (, Dossier complete (2011/253/EU))	Professional	Accession number in the Agricultural Research Culture Collection (NRRL), Peoria, Illinois, USA: B-50405 Deposit number in the International Patent Organism Depositary, Tokyo, Japan: FERM BP- 8234.		Minimum concentration: 2,0 × 1011 CFU/g SANCO/11391/2014		For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Bacillus amyloliquefaciens subsp. plantarum strain D747, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 10 October 2014 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Bacillus amyloliquefaciens subsp. plantarum strain D747 is to be considered as a potential sensitizer. Conditions of use shall include risk mitigation measures, where appropriate. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer.
Bacillus firmus I-1582	Nematicide	01/10/2013	30/09/2026	Reg. (EU) No 366/2013 (, 2011/123/EU)	Professional	Collection number: CNCMI-1582		Minimum concentration: 7,1 × 1010 CFU/g SANCO/10397/2013		For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Bacillus firmus I-1582, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 March 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Bacillus firmus I-1582 is to be considered as a potential sensitiser. Conditions of use shall include risk mitigation measures, where appropriate.'
Bacillus pumilus QST 2808	Fungicide	01/09/2014	31/08/2025	Reg. (EU) No 485/2014 (, 2011/253/EU), Reg (EU) 2020/2007	Professional	USDA Agricultural Research Service (NRRL) Patent culture collection in Peoria Illinois, USA under the reference number B-30087.		≥ 1 × 1012 CFU/kg SANCO/12800/2013		For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Bacillus pumilus QST 2808, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 March 2014 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Bacillus pumilus QST 2808 is to be considered as a potential sensitizer. Conditions of use shall include risk mitigation measures, where appropriate.
Bacillus subtilis strain IAB/BS03		20/10/2019	20/10/2034	Reg (EU) 2019/1605	Professional	Accession number in the Spanish Type Culture Collection (CECT), Spain: CECT 7254 Accession number in the German Type Culture Collection (DSMZ), Germany: DSM 24682	Not applicable	Minimum concentration: 1 × 1013 CFU/kg Maximum concentration: 5 × 1013 CFU/kg		For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Bacillus subtilis strain IAB/BS03, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment Competent Authorities shall pay particular attention to: a)the specification of the technical material as commercially manufactured used in plant protection products, including full characterisation of relevant secondary metabolites; b) the protection of operators and workers, taking into account that microorganisms are per se considered as potential sensitisers, and ensuring that adequate personal protective equipment is included as a condition of use. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer, in order to ensure the fulfilment of the limits on microbiological contamination as referred to in OECD Issue Paper on Microbial Contaminant Limits for Microbial Pest Control Products, contained in the Working Document SANCO/12116/2012(2). Conditions of use shall include risk mitigation measures, where appropriate.
Bacillus thuringiensis subsp. Aizawai strains ABTS-1857 and GC-91	Insecticide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	STRAIN: ABTS-1857 Culture collection: No SD-1372, STRAIN: GC-91 Culture collection: No NCTC 11821	Not applicable	No relevant impurities ABTS-1857 SANCO/1539/08 GC-9 SANCO/1538/08		PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Bacillus thuringiensis subsp.Aizawai ABTS-1857 (SANCO/1539/2008) and GC-91 (SANCO/1538/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Bacillus thuringiensis subsp. Israeliensis (serotype H-14) strain AM65-52	Insecticide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	STRAIN: AM65-52 Culture collection: No ATCC-1276	Not applicable	No relevant impurities SANCO/1540/2008		PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Bacillus thuringiensis subsp. Israeliensis (serotype H-14) AM65-52 (SANCO/1540/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Bacillus thuringiensis subsp. Kurstaki strains ABTS 351, PB 54, SA 11, SA12 and EG 2348	Insecticide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	STRAIN: ABTS 351 Culture collection: No ATCC SD-1275 STRAIN: PB 54 Culture collection: No CECT 7209 STRAIN: SA 11 Culture collection: No NRRL B-30790 STRAIN: SA 12 Culture collection: No NRRL B-30791 STRAIN: EG 2348 Culture collection: No NRRL B-18208	Not applicable	No relevant impurities ABTS 351 (SANCO/1541/2008) PB 54 (SANCO/1542/2008) SA 11, SA 12 EG 2348 (SANCO/1543/2008)		PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Bacillus thuringiensis subsp. kurstaki ABTS 351 (SANCO/1541/2008), PB 54 (SANCO/1542/2008), SA 11, SA 12 and EG 2348 (SANCO/1543/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Beauveria bassiana strain 147	Insecticide	06/06/2017	06/06/2027	Reg. (EU) 2017/831	Professional	Accession number in the CNCM (Collection nationale de cultures de micro-organismes) — Institut Pasteur, Paris, France: I-2960.		Max. level of beauvericin: 24 µg/L		For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Beauveria bassiana strain 147, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators and workers, taking into account that Beauveria bassiana strain 147 is to be considered, as any micro-organism, as a potential sensitizer, and paying special attention to exposure through inhalation, — the maximum level of the metabolite beauvericin in the formulated product. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer. Conditions of use shall include risk mitigation measures, where appropriate.

Beauveria bassiana strain IMI389521		19/02/2019	19/02/2029	Reg (EU) 2019/139	Professional		Accession number in the CABI Genetic Resource Collection: IMI389521		Max. level of beauvericin: 0,09 mg/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Beauveria bassiana strain IMI389521, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the storage stability of the formulation(s) containing B. bassiana strain IMI389521 including the level of the metabolite beauvericin content after storage, — the content of the metabolite beauvericin produced under the application conditions, — the risk posed by beauvericin in infected insects present in the stored grain. Measures are required to ensure that such products do not enter the food and feed chain, taking into account the natural background level of beauvericin on cereal grains, —the protection of operators and workers, taking into account that B. bassiana strain IMI389521 is to be considered, as any micro-organism, as a potential sensitiser. The compliance with strict maintenance of environmental conditions and quality control analysis during the manufacturing process, in order to ensure the fulfilment of the limits on microbiological contamination as referred to in the Working Document SANCO/12116/2012(2) Conditions of use shall include risk mitigation measures where appropriate.
Beauveria bassiana strain NPP111B005	Insecticide	07/06/2017	07/06/2027	Reg. (EU) 2017/843	Professional		Accession number in the CNCM (Collection Nationale de Culture de Microorganismes) — Institut Pasteur, Paris, France: I-2961.		Max. level of beauvericin 24 µg/L	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Beauveria bassiana strain NPP111B005, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators and workers, taking into account that Beauveria bassiana strain NPP111B005 is to be considered, as any micro-organism, as a potential sensitizer, and paying special attention to exposure through inhalation, —the maximum level of the metabolite beauvericin in the formulated product. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer. Conditions of use shall include risk mitigation measures, where appropriate.
Beauveria bassiana strains ATCC 74040 and GHA	Insecticide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	STRAIN: ATCC 74040	STRAIN: ATCC 74040 Culture collection: No ATCC 74040 STRAIN: GHA Culture collection: No ATCC 74250	Not applicable	Max level of beauvericin: 5 mg/kg	PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Beauveria bassiana ATCC 74040 (SANCO/1546/2008) and GHA (SANCO/1547/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Beer	Molluscicide	05/12/2017		Reg. (EU) 2017/2090	General	8029-31-0			Food grade	Beer shall be used in accordance with the specific conditions included in the conclusions of the review report on beer (SANTE/11038/2017) and in particular Appendices I and II thereto.
Beflubutamid	Herbicide	01/12/2007	31/07/2024	07/50/EC, Reg. (EU) 540/2011, Reg. (Eu) 2018/917, Reg. (EU) 2020/869	Professional	CAS No 113614-08-7		(RS)-N-benzyl-2-(4-fluoro-3-trifluoromethylphenoxy) butanamide	≥ 970 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on beflubutamid, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 May 2007 shall be taken into account. In this overall assessment competent authorities: — must pay particular attention to the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Benalaxyl-M	Fungicide	01/05/2014	30/04/2025	Reg. (EU) No 1175/2013 (, Dossier complete 03/35/EC), Reg (EU) 2020/2007	Professional	98243-83-5		Methyl N-(phenylacetyl)-N-(2,6- xylyl)-D-alaninate	≥ 950 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on benalaxyl-M, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 October 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of workers at re-entry, — the risk to groundwater from the metabolites BM-M2 (N- (malonyl)-N-(2,6-xylyl)-DL-alanine) and BM-M3 (N-(malonyl)-N- (2,6-xylyl)-D-alanine), when the substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of use shall include risk mitigation measures, where appropriate.
Bendiocarb	Insecticide	01/01/2020	31/12/2025	Control of Poisonous Substances (Guernsey) Regulations 2014	Licensed	22781-23-3		2,2-Dimethyl-2H-1,3-benzodioxol-4-yl methylcarbamate	≥ 950 g/kg	Approved as a biocide / insecticide against Asian hornet nests (indoor and outdoor use for SoG Asian Hornet Team only) and wasp nests (indoors use) in Guernsey. Must not be used on crops and food products. Approved as a biocide / insecticide against ants, fleas and bed bugs infestations indoors only. Must not be used on crops or food products.
Benfluralin	Herbicide	01/03/2009	28/02/2024	2008/108, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg. EU 2019/2094	Professional	CAS No 1861-40-1		N-butyl-N-ethyl-α,α,α-trifluoro-2,6-dinitro-p-toluidine	≥ 960 g/kg Impurities: — ethyl-butyl-nitrosamine: max. 0,1 mg/kg	PART A Only uses as herbicide may be authorised. PART B In assessing applications to authorise plant protection products containing benfluralin for uses other than lettuce and endive, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on benfluralin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 May 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the protection of the operators' safety. Authorised conditions of use must prescribe the application of adequate personal protective equipment and risk mitigation measures to reduce the exposure, — the residues in food of plant and animal origin and evaluate the dietary exposure of consumers, — the protection of birds, mammals, surface waters and aquatic organisms. In relation to these identified risks, risk mitigation measures, such as buffer zones, should be applied where appropriate.
Bensulfuron methyl	Herbicide	01/11/2009	31/10/2025	2009/11, Reg. (EU) No 540/2011	Professional	83055-99-6		α-[(4,6-dimethoxypyrimidin-2-ylcarbamoyl)sulfamoyl]-o- toluic acid (bensulfuron) methyl α-[(4,6-dimethoxypyrimidin-2-ylcarbamoyl)sulfamoyl]-o- toluate (bensulfuron-methyl)	≥ 975 g/kg	PART A Only uses as a herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on bensulfuron, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 8 December 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to the following: — the protection of aquatic organisms; in relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate, — the protection of the groundwater, where the active substance is applied in regions with vulnerable soil and/or climatic conditions.
Bentazone	Herbicide	01/06/2018	31/05/2025	00/68/EC, Reg. (EU) 2016/549, Reg. (EU) 2018/660, Reg. (EU) No 540/2011 (, 2010/77/EU,, Reg. (EU) 2015/1885,, Reg. (EU) 2017/841)	Professional	CAS No 25057-89-0		3-isopropyl-(1H)-2,1,3-benzothiadiazin-4-(3H)-one-2,2-dioxide	≥ 960 g/kg 1,2-dichloroethane < 3 mg/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on bentazone, and in particular Appendices I and II thereof, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the technical specification, — the protection of operators and workers, — the risk to birds and mammals, — the protection of groundwater, particularly but not only in drinking water protected areas, and shall carefully consider the timing of application, soil and/or climatic conditions. Conditions of use shall include risk mitigation measures where appropriate.
Benthiavalicarb	Fungicide	01/08/2008	31/07/2024	08/44/EC, Reg. (EU) 2018/917, Reg. (EU) 540/2011, Reg. (EU) 2020/869	Professional	CAS No 413615-35-7		[(S)-1-[[(R)-1-(6-fluoro-1,3-benzothiazol-2-yl)ethyl]carbamoyl]-2-methylpropyl]carbamic acid	≥ 910 g/kg The following manufacturing impurities are of toxicological concern and each of them must not exceed a certain amount in the technical material: 6,6'-difluoro-2,2'-dibenzothiazole: < 3,5 mg/kg bis(2-amino-5-fluorophenyl) disulfide: < 14 mg/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on benthiavalicarb, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 22 January 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety, — the protection of non-target arthropods. Conditions of use shall include adequate risk mitigation measures, where appropriate. In assessing applications to authorise plant protection products containing benthiavalicarb for uses other than in glasshouses, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted.
Benzoic acid	Bactericide, Fungicide, Other treatment	01/09/2017	31/08/2032	Reg. (EU) 2017/1113, Reg. (EU) No 540/2011 (, 04/30/EC,, Reg. (EU) 2016/2016,, Reg. (EU) No 823/2012)	General	CAS No 65-85-0		benzoic acid	≥ 990 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on benzoic acid and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators, ensuring that conditions of use impose the use of adequate personal protective equipment. Conditions of use shall include risk mitigation measures, where appropriate.
Benzovindiflupyr	Fungicide	02/03/2016	02/03/2026	Reg. (EU) 2016/177, Reg. (EU) No 540/2011	Professional	1072957-71-1		N-[(1RS,4SR)-9-(dichloromethylene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methylpyrazole-4-carboxamide	960 g/kg (50/50) racemate	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on benzovindiflupyr, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards: (1) the technical specification of the active substance as manufactured (based on commercial scale production) including the relevance of impurities; (2) the compliance of the toxicity and ecotoxicity batches with the confirmed technical specification; (3) the effect of water treatment processes on the nature of residues present in surface water and groundwater, when surface water or groundwater is abstracted for drinking water. The applicant must submit to each competent authority the information set out in point (3) within two years after the issuing of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Bifenazate	Acaricide	01/12/2005	31/07/2024	05/58/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011 (, Reg. (EU) 2017/841), Reg. (EU) 2020/869	Professional	CAS No 149877-41-8		Isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate	≥ 950 g/kg	PART A Only uses as acaricide may be authorised. PART B In assessing applications to authorise plant protection products containing bifenazate for uses other than on ornamental plants in greenhouses, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorization is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on bifenazate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 June 2005 shall be taken into account.
Bifenox	Herbicide	01/01/2009	31/12/2024	2008/66, Reg. (EU) No 1124/2013, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 42576-02-3		Methyl 5-(2,4-dichlorophenoxy)-2-nitrobenzoate	≥ 970 g/kg impurities: max. 3 g/kg 2,4-dichlorophenol max. 6 g/kg 2,4-dichloroanisole	'PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on bifenox, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 14 March 2008 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment where appropriate; (b) the dietary exposure of consumers to bifenox residues in products of animal origin and in succeeding rotational crops; (c) the environmental conditions leading to the potential formation of nitrofen. competent authorities shall impose restrictions as regards the conditions of use, where appropriate in view of point (c).'EN 9.11.2013 Official Journal of the European Union L 299/35

Bispyribac	Herbicide	01/08/2011	31/07/2026	Reg. (EU) No 2018/1916, Reg. (EU) No 740/2011 (, 2011/22/EU)	Professional	125401-75-4	2,6-bis(4,6-dimethoxypyrimidin-2-yloxy) benzoic acid	≥ 930 g/kg (referred to as bispyribac- sodium)	PART A Only uses as herbicide in rice may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on bispyribac, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011 shall be taken into account. In this overall assessment, competent authorities shall pay particular attention to the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation shall include risk mitigation measures where appropriate.
Bixafen	Fungicide	01/10/2013	31/05/2025	Reg. (EU) No 350/2013 (, 2012/363/EU,, Dossier complete 2009/700/EC), Reg (EU) 2020/2007	Professional	581809-46-3	N-(3′,4′-dichloro-5-fluorobiphenyl-2-yl)-3-(difluoromethyl)-1-methylpyrazole- 4-carboxamide	≥ 950 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on bixafen, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 March 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the residues of bixafen and of its metabolites in rotational crops; (b) the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions; (c) the risk to aquatic organisms; (d) the risk to soil and sediment-dwelling organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Blood meal	Repellant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 369/2012, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	General	90989-74-5	Not available	≥ 990 g/kg	PART A Only uses as repellent may be authorised. Blood meal must be in compliance with Regulation (EC) No 1069/2009 (*) and Regulation (EU) No 142/2011 (**). PART B In assessing applications to authorise plant protection products containing blood meal for uses other than with direct application localised on individual plants, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorization is granted. For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the amended review report on blood meal (SANCO/2604/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 9 March 2012 shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Bordeaux mixture	Bactericide, Fungicide	01/01/2019	31/12/2025	2009/37/EC, Reg. (EU) No 2018/1981, Reg. (EU) No 232/2015, Reg. (EU) No 540/2011 (, Reg.(EU) No 84/2018)	Professional	8011-63-0	Not allocated	≥ 245 g/kg The following impurities shall not exceed the following levels: Arsenic max. 0,1 mg/g Cu Cadmium max. 0,1 mg/g Cu Lead max. 0,3 mg/g Cu Nickel max. 1 mg/g Cu Cobalt max. 3 mg/kg Mercury max. 5 mg/kg Chromium max. 100 mg/kg Antimony max. 7 mg/kg	Only uses resulting in a total application of maximum 28 kg of copper per hectare over a period of 7 years shall be authorised. For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009 of the European Parliament and of the Council, the conclusions of the review report on copper compounds and in particular Appendices I and II thereto, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the operator, worker and bystander safety and ensure that conditions of use prescribe the application of adequate personal protective equipment and other mitigation measures as appropriate; — the protection of water and non-target organisms. In relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate; — the amount of active substance applied and ensure that the authorised amounts, in terms of rates and number of applications, do not exceed the minimum necessary to achieve the desired effects and do not cause any unacceptable effect on the environment taking into account background levels of copper at the application site, and, where the information is available, copper input from other sources. competent authorities may in particular decide to set a maximum annual application rate not exceeding 4 kg/ha of copper.
Boscalid (formerly nicobifen)	Fungicide	01/08/2008	31/07/2024	08/44/EC, Reg. (EU) 2018/917, Reg. (EU) 540/2011, Reg. (EU) 2020/869	Professional	CAS No 188425-85-6	2-Chloro-N-(4′-chlorobiphenyl-2-yl)nicotinamide	≥ 960 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on boscalid, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 22 January 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention — to the operator safety, — to the long term risk to birds and soil organisms, — to the risk of accumulation in soil if the substance is used in perennial crops or in succeeding crops in crop rotation. Conditions of use shall include adequate risk mitigation measures, where appropriate.
Bromadiolone	Rodenticide	01/06/2011	31/05/2024	2011/48/EU, Reg. (EU) No 540/2011	Professional	CAS No 28772-56-7	3-[(1RS,3RS;1RS,3SR)-3-(4′-bromobiphenyl-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxycoumarin	≥ 970 g/kg	PART A Only uses as rodenticide in the form of pre-prepared baits placed into the rodent tunnels may be authorised. The nominal concentration of the active substance in the plant protection products shall not exceed 50 mg/kg. Authorisations shall be granted for uses by professional users only. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on bromadiolone, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall: — pay particular attention to the risk to professional operators and ensure that conditions of use include the application of adequate personal protective equipment where appropriate; — pay particular attention to the risk to birds and non-target mammals from primary and secondary poisoning. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Bromuconazole	Fungicide	01/02/2011	31/01/2024	2010/92/EU, Reg. (EU) No 2018/670, Reg. (EU) No 540/2011	Professional	CAS No 116255-48-2	1-[(2RS,4RS:2RS,4SR)-4-bromo-2-(2,4-dichlorophenyl)tetrahydrofurfuryl]-1H-1,2,4-triazole	≥ 960 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on bromuconazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 November 2010 shall be taken into account. In this overall assessment, competent authorities shall pay particular attention to: — operator's safety and ensure that conditions of use prescribe the application of adequate personal protective equipment where appropriate; — protection of aquatic organisms. Conditions of authorisation shall include risk mitigation measures, where appropriate, such as adequate buffer zones. The competent authorities concerned shall ensure that the applicant presents to the Commission: — further information on residues of triazole derivative metabolites (TDMs) in primary crops, rotational crops and products of animal origin; — information to further address the long term risk to herbivorous mammals. The notifier must submit to each competent authority further information addressing the potential endocrine disrupting properties of bromuconazole within two years after the adoption of the OECD test guidelines on endocrine disruption or, alternatively, the issuing of test guidelines set by the competent authority.
Bupirimate	Fungicide	01/06/2011	31/08/2024	2011/25/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 41483-43-6	5-butyl-2-ethylamino-6-methylpyrimidine-4-yl dimethylsulfamate	≥ 945 g/kg Impurities: Ethirimol: max. 2 g/kg Toluene: max. 3 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on bupirimate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 January 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of aquatic organisms. Conditions of authorisation shall include risk mitigation measures, where appropriate,— the protection of the groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation shall include risk mitigations, where appropriate, — the in-field risk to non-target arthropods.
Buprofezin	Acaricide, Insecticide	01/02/2011	31/01/2026	2011/6/EU, Reg. (EU) 2017/360, Reg. (EU) 2018/670, Reg. (EU) No 540/2011 (, 2008/771/EC)	Professional	CAS No 953030-84-7	(Z)-2-tert-butylimino-3-isopropyl-5-phenyl-1,3,5-thiadiazinan-4-one	≥ 985 g/kg	'PART A Only uses as insecticide and acaricide on non-edible crops may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on buprofezin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. In this overall assessment, competent authorities must pay particular attention to: — the operators' and workers' safety and ensure that conditions of use impose the use of adequate personal protective equipment where appropriate, — the application of an appropriate waiting period for rotational crops in greenhouses, — the risk to aquatic organisms and ensure that conditions of use impose adequate risk mitigation measures, where appropriate. Conditions of authorisation shall include risk mitigation measures, where appropriate.'
Calcium carbide	Repellant	01/09/2009	31/08/2025	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 369/2012, Reg. (EU) No 540/2011	Professional	CAS No 75-20-7	Calcium acetylide	≥ 765 g/kg Containing 0,08 – 0,9 g/kg Calcium Phosphide	PART A Only uses as repellent may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the amended review report on calcium carbide (SANCO/2605/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 9 March 2012 shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.'
Calcium carbonate	Repellant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 369/2012, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	Professional	CAS No 471-34-1	Calcium carbonate	≥ 995 g/kg	PART A Only uses as repellent may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the amended review report on calcium carbonate (SANCO/2606/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 9 March 2012 shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Calcium hydroxide	Fungicide	01/07/2015		Reg. (EU) 2015/762	General	1305-62-0	Calcium Hydroxide	920 g/kg Food grade The following impurities are of toxicological concern and must not exceed the levels below (expressed in mg/kg on dry matter): Barium 300 mg/kg Fluoride 50 mg/kg Arsenic 3 mg/kg Lead 2 mg/kg.	Calcium hydroxide shall be used in accordance with the specific conditions included in the conclusions of the review report on Calcium Hydroxide (SANCO/10148/2015) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 20 March 2015.
Candida oleophila strain O	Fungicide	01/10/2013	31/12/2024	Reg. (EU) No 373/2013 (, 2012/363/EU,, Dossier complete 07/380/EC), Reg (EU) 2020/2007	Professional	Collection number: MUC140654		Nominal content: 3 × 1010 CFU/g dried product Range: 6 × 109 – 1 × 1011 CFU/g dried product	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Candida oleophila strain O, and in particular Appendices I and II thereto, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 March 2013 shall be taken into account.
Capric acid (CAS 334-48-5)	Insecticide, Acaricide, Herbicide, Plant growth regulator	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	General	334-48-5	Capric Acid	≥ 889 g/kg (Pelargonic Acid) ≥ 838 g/kg fatty acids ≥ 99 % fatty acid methyl esters	PART A Only uses as insecticide, acaricide, and herbicide and plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fatty acids (SANCO/2610/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Caprylic acid (CAS 124-07-2)	Insecticide, Acaricide, Herbicide, Plant growth regulator	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	General	124-07-2	Caprylic Acid	≥ 889 g/kg (Pelargonic Acid) ≥ 838 g/kg fatty acids ≥ 99 % fatty acid methyl esters	PART A Only uses as insecticide, acaricide, and herbicide and plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fatty acids (SANCO/2610/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.

Captan	Fungicide	01/10/2007	31/07/2024	07/5/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011, Reg. (EU) 2020/869	Professional	CAS No 133-06-02	N-(trichloromethylthio) cyclohex-4-ene-1,2-dicarboximide	≥ 910 g/kg Impurities: Perchloromethylmercaptan (R005406): not more than 5 g/kg Folpet: not more than 10 g/kg Carbon tetrachloride not more than 0,1 g/Kg	PART A Only uses as fungicide can be authorised. PART B In assessing applications to authorise plant protection products containing captan for uses other than tomatoes competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on captan, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 29 September 2006 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operators and workers safety. Authorised conditions of use must prescribe the application of adequate personal protective equipment and risk mitigation measures to reduce the exposure; — the dietary exposure of consumers in view of future revisions of Maximum Residue Levels; — the protection of groundwater under vulnerable conditions. Conditions of authorisation should include risk mitigation measures and monitoring programmes should be initiated in vulnerable zones, where appropriate; — the protection of birds, mammals and aquatic organisms. Conditions of authorisation should include risk mitigation measures.
Carbetamide	Herbicide	01/06/2011	31/05/2024	2011/50/EU, Reg. (EU) No 540/2011, Reg (EU) 2020/1295	Professional	CAS No 16118-49-3	(R)-1-(Ethylcarbamoyl)ethyl carbanilate	≥ 950 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on carbetamide, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions; (b) the risk to non-target plants; (c) the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Carbon dioxide	Insecticide, Rodenticide	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 532/2013, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	General	CAS No 124-38-9	Carbon dioxide	≥ 99.9 % Relevant impurities: phosphane max. 0.3 ppm v/v benzene max. 0.02 ppm v/v carbon monoxide max. 10 ppm v/v methanol max. 10 ppm v/v hydrogen cyanide max. 0.5 ppm v/v	PART A Only uses as a fumigant may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on carbon dioxide (SANCO/2987/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 May 2013 shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.'
Carboxin	Fungicide	01/06/2011	31/05/2024	2011/52/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011, Reg. (EU) 2019/324	Professional	CAS No 5234-68-4	5,6-dihydro-2-methyl-1,4-oxathiine-3-carboxanilide	≥ 970 g/kg	PART A Only uses as fungicide for seed treatment may be authorised. competent authorities shall ensure that authorisations provide that seed coating be performed exclusively in professional seed treatment facilities and that these facilities apply the best available techniques to exclude the release of dust clouds during storage, transport and application.PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on carboxin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk to operators; — the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions; — the risk to birds and mammals. Conditions of use shall include risk mitigation measures, where appropriate. The competent authorities concerned shall request the submission of confirmatory information as regards: (a) the specification of the technical material, as commercially manufactured, -including appropriate analytical data-; (b) the relevance of the impurities; (c) comparison and verification of the test material used in the mammalian toxicity and ecotoxicity dossiers against the specification of the technical material; (d) analytical methods for the monitoring of the metabolite M6 (7) in soil, groundwater and surface water and for the monitoring of metabolite M9 (8) in groundwater; (e) additional values regarding the period required for 50 percent dissipation in soil for the soil metabolites P/V-54 (9) and P/V-55 (10), (f) rotational crop metabolism, (g) the long-term risk to granivorous birds, granivorous mammals and herbivorous mammals; (h) the relevance for ground water of the soil metabolites P/V-54 (11), P/V-55 (12) and M9 (13) if carboxin is classified under Regulation (EC) No 1272/2008 as 'suspected of causing cancer'. The applicant must submit to each competent authority the information set out in point (h) within six months of notification of a decision classifying carboxin.
Carfentrazone-ethyl	Herbicide	01/08/2018	31/07/2033	Reg. (EU) 2018/1061, Reg. (EU) No 540/2011 (, 03/68/EC,, Reg. (EU) 2016/950,, Reg. (EU) 2017/841,, Reg. (EU) No 823/2012)	Professional	CAS No 128639-02-1	Ethyl (RS)-2-chloro-3-[2-chloro-5-(4-difluoromethyl-4,5-dihydro-3-methyl-5oxo-1H 1,2,4-triazol-1-yl)-4-fluorophenyl]propionate	≥ 910 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on carfentrazone-ethyl, and in particular Appendices I and II thereof, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the protection of groundwater when the substance is applied in regions with vulnerable soil and/or climate conditions; — the protection of soil non-target organisms; — the protection of aquatic organisms; — the protection of non-target terrestrial higher plants. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit to each competent authority confirmatory information as regards: (1) the relevance of metabolites that may occur in groundwater, taking into account any relevant classification for carfentrazone-ethyl in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council(2), in particular as carcinogen category 2; (2)the effect of water treatment processes on the nature of residues present in drinking water. The applicant must submit to each competent authority the information set out in point (1) within six months of the notification of the classification decision for carfentrazone-ethyl.The applicant shall submit the information requested under point (2) 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 being made public by each competent authority.
Carvone	Plant growth regulator	01/08/2019	31/07/2034	08/44/EC, Reg. (EU) 2018/917, Reg. (EU) 540/2011, Reg. (EU) 2020/653	Professional	2244-16-8 (d-carvone = 5-carvone = (+)-carvone)	(S)-5-isopropenyl-2-methylcyclohex-2-en-1-one or (S)-p-mentha-6,8-dien-2-one	923 g/kg d-carvone	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on carvone, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators, ensuring that conditions of use include the application of adequate personal protective equipment. Conditions of use shall include risk mitigation measures, where appropriate. In particular, consideration should be given to the necessary time period before entry into storage rooms after the application of plant protection products containing carvone. The applicant shall submit to each competent authority confirmatory information as regards: — the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water is abstracted for drinking water. The applicant shall submit that information within two years from the date of publication of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Cerevisane	Plant activator	23/04/2015	23/04/2030	Reg. (EU) 2015/553	Professional	not allocated	Not relevant	≥ 924 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on cerevisane, and in particular Appendices I and II thereof, shall be taken into account
Chitosan hydrochloride	Elicitor	01/07/2014		Reg. (EU) No 540/2011, Reg. (EU) No 563/2014	Professional	9012-76-4	Not applicable	European Pharmacopeia Max content of heavy metals: 40 ppm	Chitosan hydrochloride shall comply with Regulation (EC) No 1069/2009 of the European Parliament and of the Council (2) and Commission Regulation (EU) No 142/2011 (3). Chitosan hydrochloride may be used in accordance with specific conditions included in the conclusions of the review report on Chitosan hydrochloride (SANCO/12388/2013) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 March 2014.
Chlorantraniliprole	Insecticide	01/05/2014	31/12/2024	Reg. (EU) No 1199/2013, Reg. (EU) No 540/2011 (, 2007/560/EC), Reg (EU) 2020/2007	General	500008-45-7	3-bromo-4'-chloro-1- (3-chloro-2-pyridyl)- 2'-methyl-6'-(methylcarbamoyl) pyrazole- 5-carboxanilide	≥ 950 g/kg The following relevant impurities must not exceed a certain threshold in the technical material: Acetonitrile: ≤ 3 g/kg 3-picoline: ≤ 3 g/kg Methanesulfonic acid: ≤ 2 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on chlorantraniliprole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 October 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to aquatic organisms and to soil macroorganisms. Conditions of use shall include risk mitigation measures, where appropriate
Chlormequat	Plant growth regulator	01/12/2009	30/11/2024	2010/2/EU, Reg. (EU) No 540/2011	Professional	CAS No 7003-89-6 (chlormequat) CAS No 999-81-5 (chlormequat chloride)	2-chloroethyltrimethylammonium (chlormequat) 2-chloroethyltrimethylammonium chloride (chlormequat chloride)	≥ 636 g/kg Impurities 1,2-dichloroethane: max 0,1 g/kg (on the dry chlormequat chloride content) Chloroethene (vinylchloride): max 0,0005 g/kg (on the dry chlormequat chloride content)	PART A Only uses as plant growth regulator on cereals and non edible crops may be authorised. PART B In assessing applications to authorise plant protection products containing chlormequat for uses other than in rye and triticale, notably as regards the exposure of consumers, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on chlormequat, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 January 2009 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment; — the protection of birds and mammals. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Chlorotoluron	Herbicide	01/03/2006	31/10/2024	05/53/EC, Reg. (EU) 2018/1262, Reg. (EU) No 540/2011 (, Reg. (EU) 2017/1511,, Reg. (EU) No 533/2013), Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 15545-48-9	3-(3-chloro-p-tolyl)-1,1-dimethylurea	975 g/kg	PART A Only uses as herbicide may be authorised PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on chlorotoluron, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 February 2005 shall be taken into account. In this overall assessment competent authorities must pay particular attention to the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climate conditions. Conditions of authorisation should include risk mitigation measures, where appropriate

Chromafenozide	Insecticide	01/04/2015	31/03/2025	Reg. (EU) No 51/2015 (, Dossier complete 06/586/EC)	Professional	143807- 66-3			N'-tert-butyl-5- methyl-N'-(3,5- xyloyl)chromane- 6-carbohydrazide	≥ 935 g/kg The following relevant impurity must not exceed a certain threshold in the technical material: Butyl acetate (n-buthyl acetate, CAS No 123-86-4): ≤ 8 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on chromafenozide, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 10 October 2014, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to groundwater, if the substance is applied under vulnerable soil or climatic conditions; (b) the risk to non-target Lepidoptera in off-crop areas; (c) the risk to sediment-dwelling organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Cinmethylin	Herbicide	44719	48371	Regulation (EC) No 1107/2009	Professional	87818-31-3			rac-(1R,2S,4S)-1-methyl-4-(1-methylethyl)-2-[(2- meth	≥ 940 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the final assessment r
Clayed charcoal		31/03/2017		Reg. (EU) 2017/428	Professional	CAS No 7440-44-0 231-153-3 (Einecs) (activated charcoal) CAS No 1333-86-4 215-609-9 (Einecs) (carbon black) CAS No 1302-78-9 215-108-5 (Einecs) (bentonite)				Charcoal: Purity required by Regulation (EU) No 231/2012 Bentonite: Purity required by implementing Regulation (EU) No 1060/2013	Clayed charcoal shall be used in accordance with the specific conditions included in the conclusions of the review report on clayed charcoal (SANTE/11267/2016) and in particular Appendices I and II thereof.
Clethodim	Herbicide	01/06/2011	31/05/2026	Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011, Reg. (EU) No 87/2012 (, 2008/934/EC,, 2011/21/EU)	Professional	CAS No 99129-21-2			(5RS)-2-((1E2)-1-((2E)-3-chloroallyloxyimino]propyl)-5-[(2RS)-2-(ethylthio]propyl]-3-hydroxycyclohex-2-en-1-one	≥ 930 g/kg Impurities: toluene max. 4 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on clethodim, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 9 December 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection to aquatic organisms, birds and mammals, and shall ensure that conditions of use include the application of adequate risk mitigation measures.
Clodinafop	Herbicide	01/02/2007	30/04/2024	06/39/EC, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 487/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	114420-56-3			(R)-2-[4-(5-chloro-3-fluoro- 2 pyridyloxy)-phenoxy]-propionic acid	≥ 950 g/kg (expressed as clodinafop- propargyl)	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on clodinafop, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 27 January 2006 shall be taken into account.
Clofentezine	Acaricide	01/01/2009	31/12/2024	2010/39/EU, Reg (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 74115-24-5			3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine	≥ 980 g/kg (dry material)	PART A Only uses as acaricide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on clofentezine, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 May 2010 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the specification of the technical material as commercially manufactured, which must be confirmed and supported by appropriate analytical data. The test material used in the toxicity dossiers shall be compared and verified against this specification of the technical material; — the operator and worker safety and ensure that conditions of use prescribe the application of adequate personal protective equipment, where appropriate; — the potential for long range transport via air; — the risk to non target organisms. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Clomazone	Herbicide	01/11/2008	31/10/2024	2007/76, Reg. (EU) No 540/2011, Reg. (EU) No2018/1262, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 81777-89-1			2-(2-chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one	960 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on clomazone, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 9 October 2007 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment, — the protection of non-target plants and must ensure that the conditions of authorisation include, where appropriate, risk mitigation measures such as buffer zones.
Clonostachys rosea strain J1446		01/04/2019	31/03/2034	Reg. (EU) 2019/151Reg. (EU) No 540/2011 (05/2/EC,Reg. (EU) 2017/841,Reg. (EU) No 2018/917)	Professional		Accession number in the culture collection of the German Collection of Microorganisms and Cell Cultures (DSMZ): DSM 9212			Not applicable Gliotoxin content: max. 50 µg/kg in the technical grade of the MCPA.	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on Clonostachys rosea strain J1446, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the specification of technical material as commercially manufactured in plant protection products, including full characterisation of potential metabolites of concern; —the protection of operators and workers, taking into account that microorganisms are considered as potential sensitizers, ensuring that adequate personal protective equipment is included as a condition of use; —the studies or information from the scientific literature recently made available in relation to antifungal susceptibility of Clonostachys rosea J1446. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer, in order to ensure the fulfilment of the limits on microbial contamination as referred to in the Working Document SANCO/12116/2012(2). Conditions of use shall include risk mitigation measures, where appropriate.
Clopyralid	Herbicide	01/05/2007	30/04/2024	06/64/EC, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 678/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	General	CAS No 1702-17-6			3,6-dichloropyridine-2-carboxylic acid	≥ 950 g/kg	PART A Only uses as herbicide may be authorised. PART B In assessing applications to authorise plant protection products containing clopyralid for uses other than spring applications, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on clopyralid, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 4 April 2006 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the protection of non target plants and groundwater under vulnerable conditions. Conditions of authorisation should include risk mitigation measures and monitoring programmes should be initiated to verify potential groundwater contamination in vulnerable zones, where appropriate.
Coniothyrium minitans Strain CON/M/91-08 (DSM 9660)	Fungicide	01/08/2017	31/07/2032	Reg. (EU) 2017/842, Reg. (EU) No 540/2011 (, 03/79/EC,, Reg. (EU) 2016/950,, Reg. (EU) No 823/2012)	Professional		Accession number in the culture collection of the 'Deutsche Sammlung von Mikroorganismen' (DSM), Germany: DSM 9660		Not applicable	Minimum content of viable spores: 1 × 1012 CFU/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on Coniothyrium minitans strain CON/M/91-08, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators and workers, taking into account that microorganisms are considered as potential sensitizers. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer. Conditions of use shall include risk mitigation measures, where appropriate.'
Copper compounds	Bactericide, Fungicide	01/01/2019	31/12/2025	2009/37/EC, Reg. (EU) No 2018/1981, Reg. (EU) No 232/2015, Reg. (EU) No 540/2011 (, Reg.(EU) No 84/2018)	General	Copper hydroxide CAS No 20427-59-2 CIPAC No 44.305, Copper oxychloride CAS No 1332-65-6 or 1332-40-7 CIPAC No 44.602, Copper oxide CAS No 1317-39-1 CIPAC No 44.603, Bordeaux mixture CAS No 8011-63-0 CIPAC No 44.604, Tribasic copper sulphate CAS No 12527-76-3 CIPAC No 44.306			Copper (II) hydroxide, Dicopper chloride trihydroxide, Copper oxide, Not allocated, Not allocated	≥ 573 g/kg, ≥ 550 g/kg, ≥ 820 g/kg, ≥ 245 g/kg, ≥ 490 g/kg The following impurities shall not exceed the following levels: Arsenic max. 0,1 mg/g Cu Cadmium max. 0,1 mg/g Cu Lead max. 0,3 mg/g Cu Nickel max. 1 mg/g Cu Cobalt max. 3 mg/kg Mercury max. 5 mg/kg Chromium max. 100 mg/kg Antimony max. 7 mg/kg	Only uses resulting in a total application of maximum 28 kg of copper per hectare over a period of 7 years shall be authorised. For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009 of the European Parliament and of the Council, the conclusions of the review report on copper compounds and in particular Appendices I and II thereto, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the operator, worker and bystander safety and ensure that conditions of use prescribe the application of adequate personal protective equipment and other mitigation measures as appropriate; — the protection of water and non-target organisms. In relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate; — the amount of active substance applied and ensure that the authorised amounts, in terms of rates and number of applications, do not exceed the minimum necessary to achieve the desired effects and do not cause any unacceptable effect on the environment taking into account background levels of copper at the application site, and, where the information is available, copper input from other sources. competent authorities may in particular decide to set a maximum annual application rate not exceeding 4 kg/ha of copper.
Copper hydroxide	Bactericide, Fungicide	01/01/2019	31/12/2025	2009/37/EC, Reg. (EU) No 2018/1981, Reg. (EU) No 232/2015, Reg. (EU) No 540/2011 (, Reg.(EU) No 84/2018)	General	20427-59-2			Copper (II) hydroxide	≥ 573 g/kg The following impurities shall not exceed the following levels: Arsenic max. 0,1 mg/g Cu Cadmium max. 0,1 mg/g Cu Lead max. 0,3 mg/g Cu Nickel max. 1 mg/g Cu Cobalt max. 3 mg/kg Mercury max. 5 mg/kg Chromium max. 100 mg/kg Antimony max. 7 mg/kg	Only uses resulting in a total application of maximum 28 kg of copper per hectare over a period of 7 years shall be authorised. For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009 of the European Parliament and of the Council, the conclusions of the review report on copper compounds and in particular Appendices I and II thereto, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the operator, worker and bystander safety and ensure that conditions of use prescribe the application of adequate personal protective equipment and other mitigation measures as appropriate; — the protection of water and non-target organisms. In relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate; — the amount of active substance applied and ensure that the authorised amounts, in terms of rates and number of applications, do not exceed the minimum necessary to achieve the desired effects and do not cause any unacceptable effect on the environment taking into account background levels of copper at the application site, and, where the information is available, copper input from other sources. competent authorities may in particular decide to set a maximum annual application rate not exceeding 4 kg/ha of copper
Copper oxide	Bactericide, Fungicide	01/01/2019	31/12/2025	2009/37/EC, Reg. (EU) No 2018/1981, Reg. (EU) No 232/2015, Reg. (EU) No 540/2011 (, Reg.(EU) No 84/2018)	General	1317-39-1			Copper oxide	≥ 820 g/kg The following impurities shall not exceed the following levels: Arsenic max. 0,1 mg/g Cu Cadmium max. 0,1 mg/g Cu Lead max. 0,3 mg/g Cu Nickel max. 1 mg/g Cu Cobalt max. 3 mg/kg Mercury max. 5 mg/kg Chromium max. 100 mg/kg Antimony max. 7 mg/kg	Only uses resulting in a total application of maximum 28 kg of copper per hectare over a period of 7 years shall be authorised. For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009 of the European Parliament and of the Council, the conclusions of the review report on copper compounds and in particular Appendices I and II thereto, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the operator, worker and bystander safety and ensure that conditions of use prescribe the application of adequate personal protective equipment and other mitigation measures as appropriate; — the protection of water and non-target organisms. In relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate; — the amount of active substance applied and ensure that the authorised amounts, in terms of rates and number of applications, do not exceed the minimum necessary to achieve the desired effects and do not cause any unacceptable effect on the environment taking into account background levels of copper at the application site, and, where the information is available, copper input from other sources. competent authorities may in particular decide to set a maximum annual application rate not exceeding 4 kg/ha of copper

Copper oxychloride	Bactericide, Fungicide	01/01/2019	31/12/2025	2009/37/EC, Reg. (EU) No 2018/1981, Reg. (EU) No 232/2015, Reg. (EU) No 540/2011 (, Reg.(EU) No 84/2018)	General	1332-65-6 or 1332-40-7	Dicopper chloride trihydroxide	≥ 550 g/kg The following impurities shall not exceed the following levels: Arsenic max. 0,1 mg/g Cu Cadmium max. 0,1 mg/g Cu Lead max. 0,3 mg/g Cu Nickel max. 1 mg/g Cu Cobalt max. 3 mg/kg Mercury max. 5 mg/kg Chromium max. 100 mg/kg Antimony max. 7 mg/kg	Only uses resulting in a total application of maximum 28 kg of copper per hectare over a period of 7 years shall be authorised. For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009 of the European Parliament and of the Council, the conclusions of the review report on copper compounds and in particular Appendices I and II thereto, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the operator, worker and bystander safety and ensure that conditions of use prescribe the application of adequate personal protective equipment and other mitigation measures as appropriate; — the protection of water and non-target organisms. In relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate; — the amount of active substance applied and ensure that the authorised amounts, in terms of rates and number of applications, do not exceed the minimum necessary to achieve the desired effects and do not cause any unacceptable effect on the environment taking into account background levels of copper at the application site, and, where the information is available, copper input from other sources. competent authorities may in particular decide to set a maximum annual application rate not exceeding 4 kg/ha of copper
COS-OGA	Fungicide	22/04/2015	22/04/2030	Reg. (EU) 2015/543	Professional	not allocated	Linear copolymer of α-1,4-D-galactopyranosyluronic acids and methylesterified galactopyranosyluronic acids (9 to 20 residues) with linear copolymer β-1,4-linked 2-amino-2-deoxy-D-glucopyranose and 2-acetamido-2-deoxy-D-glucopyranose (5 to 10 residues)	≥ 915 g/kg — OGA/COS ratio comprised between 1 and 1,6 — Degree of polymerisation of COS comprised between 5 and 10 — Degree of polymerisation of OGA comprised between 9 and 20 — Degree of methylation of OGA < 10 % — Degree of acetylation of COS < 50 %	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on COS-OGA, and in particular Appendices I and II thereof, shall be taken into account.
Cow Milk		30/07/2020		Reg (EU) 2020/1004	General	8049-98-7	not available	not applicable	Cow milk shall comply with Regulation (EC) No 1069/2009 and Regulation (EU) No 142/2011. Cow milk shall be used in accordance with the specific conditions included in the conclusions of the review report on cow milk (SANTE/12816/2019), and in particular Appendices I and II thereto.
Cyantraniliprole	Insecticide	14/09/2016	14/09/2026	Reg. (EU) 2016/1414, Reg. (EU) No 540/2011	General	736994-63-1	3-bromo-1-(3-chloro-2- pyridyl)-4'-cyano-2'- methyl-6'-(methylcarbamoyl)pyrazole-5-carboxanilide	≥ 940 g/kg IN-Q6509 max. 1 mg/kg IN-RYA13 max. 20 mg/kg methanesulfonic acid max. 2 g/kg acetonitrile max. 2 g/kg heptane max. 7 g/kg 3-picoline max. 3 g/kg.	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on cyantraniliprole, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to operators; (b) the risk to aquatic organisms, bees and other non-target arthropods; (c) the risk to bees and bumble bees released for pollination, when the substance is applied in glasshouses; (d) the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of use shall include risk mitigation measures, where appropriate. The applicant must submit to each competent authority confirmatory information as regards the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or groundwater are abstracted for drinking water within two years after the issuing of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Cyazofamid	Fungicide	01/07/2003	31/07/2024	03/23/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012 (, Reg. (EU) 2016/950,, Reg. (EU) 2017/841), Reg. (EU) 2020/869	Professional	CAS No 120116-88-3	4-chloro-2cyano-N,N-dimethyl-5-P-tolylimidazole -1-sulfonamide	935 g/kg	Only uses as fungicide may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on cyazofamid, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 December 2002 shall be taken into account. In this overall assessment: — competent authorities must pay particular attention to the protection of aquatic organisms; — competent authorities must pay particular attention to the degradation kinetics of the metabolite CTCA in soil. Risk mitigation measures or use restrictions should be applied where appropriate.
Cycloxydim	Herbicide	01/06/2011	31/05/2026	2011/4/EU, Reg.(EU) No 2018/1266, Reg.(EU) No 540/2011	Professional	CAS No 101205-02-1	(5RS)-2-[(EZ)-1-(ethoxyimino)butyl]-3-hydroxy-5-[(3RS)-thian-3-yl]cyclohex-2-en-1-one	≥ 940 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on cycloxydim, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 November 2010 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to non-target plants. Conditions of use shall include risk mitigation measures, where appropriate.
Cydia pomonella Granulovirus (CpGV)	Insecticide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Regulation (EU) No 880/2014, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional		Not applicable	Minimum concentration: 1 × 1013 OB/l (occlusion bodies/l) and Contaminating microorganisms (Bacillus cereus) in the formulated product < 1 × 107 CFU/g	PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Cydia pomonella Granulovirus (CpGV) (SANCO/1548/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Cyflufenamid	Fungicide	01/04/2010	31/03/2026	2009/154/EC, Reg. (EU) 2017/1527, Reg. (EU) No 540/2011	Professional	CAS No 180409-60-3	(Z)-N-[α-(cyclopropylmethoxyimino) – 2,3-difluoro-6-(trifluoromethyl)benzyl]-2-phenylacetamide	≥ 980 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on cyflufenamid, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 2 October 2009 shall be taken into account. In this overall assessment competent authorities must pay particular attention to the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Cyflumetofen	Acaricide	01/06/2013	31/05/2026	Reg. (EU) No 22/2013 (, Dossier complete 2010/244/EU)	Professional	400882-07-7	2-methoxyethyl (RS)-2-(4-tert-butylphenyl)- 2-cyano-3-oxo-3-(α,α,α-trifluoro-o-tolyl) propionate	≥ 975 g/kg (racemic)	Plant protection products containing cyflumetofen shall only be authorised for uses where the level of metabolite B3 in groundwater is expected to be below 0,1 µg/L. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on cyflumetofen, and in particular Appendices I and II thereto, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 November 2012 shall be taken into account. In this overall assessment, competent authorities shall pay particular attention to: — the protection of operators and workers; — the protection of groundwater, in particular for metabolite B3, when the substance is applied in regions with vulnerable soils and/or climatic conditions; — the protection of drinking water; — the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Cyhalofop-butyl	Herbicide	01/07/2017	30/06/2032	Reg. (EU) 2017/753, Reg. (EU) No 540/2011 (, 02/64/EC,, 2010/77/EU,, Reg. (EU) 2015/1885,, Reg. (EU) 2016/549)	Professional	122008-85-9	butyl (R)-2-[4-(4-cyano- 2-fluorophenoxy) phenoxy]propionate	950 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on cyhalofop-butyl, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators, — the technical specification, — the protection of non-target terrestrial plants. Conditions of use shall include risk mitigation measures, where appropriate.
Cymoxanil	Fungicide	01/09/2009	31/08/2024	2008/125, Reg. (EU) 2017/195, Reg. (EU) No 540/2011	Professional	CAS No 57966-95-7	1-[(E/Z)-2-cyano-2-methoxyiminoacetyl]-3-ethylurea	≥ 970 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on cymoxanil, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 October 2008 shall be taken into account. In this overall assessment competent authorities 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.
Cypermethrin	Insecticide, Acaricide	01/03/2006	31/10/2024	05/53/EC, Reg. (EU) 2018/1262, Reg. (EU) No 540/2011 (, Reg. (EU) 2017/1511,, Reg. (EU) No 533/2013), Reg (EU) 2019/1589, Reg. (EU) 2020/1511	General	CAS No 52315-07-8	(RS)-α-cyano-3 phenoxybenzyl-(1RS)-cis, trans-3- (2,2-dichlorovinyl)-2,2- dimethylcyclopropane carboxylate (4 isomer pairs: cis-1, cis-2, trans-3, trans-4)	900 g/kg	PART A Only uses as insecticide may be authorised PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on cypermethrin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 February 2005 shall be taken into account. In this overall assessment: — competent authorities must pay particular attention to the protection of aquatic organisms, bees and non-target arthropods. Conditions of authorisation should include risk mitigation measures, where appropriate, — competent authorities must pay particular attention to the operator safety. Conditions of authorisation should include protective measures, where appropriate
Cyproconazole	Fungicide	01/06/2011	31/05/2024	2011/56/EU, Reg. (EU) No 540/2011	General	CAS No 94361-06-5	(2RS,3RS;2RS,3SR)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol	≥ 940 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on cyproconazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the dietary exposure of consumers to the residues of triazole derivative metabolites (TDMs); — the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate. The competent authorities concerned shall request the submission of confirmatory information as regards: (a) the toxicological relevance of the impurities in the technical specification; (b) analytical methods for the monitoring of cyproconazole in soil, body fluids and tissues; (c) residues of triazole derivative metabolites (TDMs) in primary crops, rotational crops and products of animal origin; (d) the long term risk to herbivorous mammals; (e) the possible environmental impact of the preferential degradation and/or conversion of the mixture of isomers.The applicant must submit to each competent authority the information set out in point (e) within two years of the issuing of specific guidance.
Cyprodinil	Fungicide	01/05/2007	30/04/2024	06/64/EC, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 678/2014), Reg. (EU) 2019/168,Reg (EU) 2020/421	Professional	CAS No 121522-61-2	(4-cyclopropyl-6-methyl-pyrimidin-2-yl)-phenyl-amine	≥ 980 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on cyprodinil, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 4 April 2006 shall be taken into account. In this overall assessment competent authorities: — must pay particular attention to the safety of operators and ensure that conditions of use prescribe the application of adequate personal protective equipment, — must pay particular attention to the protection of birds, mammals and aquatic organisms. Conditions of authorisation should include risk mitigation measures, such as buffer zones.
Daminozide	Plant growth regulator	01/03/2006	31/10/2024	05/53/EC, Reg. (EU) No 540/2011, Reg.(EU) No 2018/1262 (, Reg. (EU) No 2017/1511,, Reg. (EU) No 533/2013), Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 1596-84-5	N-dimethylaminosuccinamic acid	990 g/kg Impurities: — N-nitrosodimethylamine: not more than 2,0 mg/kg — 1,1-dimethylhydrazide: not more than 30 mg/kg	PART A Only uses as growth regulator in non-edible crops may be authorised PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on daminozide, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 February 2005 shall be taken into account. In this overall assessment competent authorities must pay particular attention to the safety of operators and workers after re-entry. Conditions of authorisation should include protective measures, where appropriate
Dazomet	Nematicide, Fungicide, Herbicide, Soil treatment	01/06/2011	31/05/2026	2011/53/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011	Professional	CAS No 533-74-4	3,5-dimethyl-1,3,5-thiadiazinane-2-thione or tetrahydro-3,5-dimethyl- 1,3,5-thiadiazine-2-thione	≥ 950 g/kg	PART A Only uses as nematicide, fungicide, herbicide and insecticide may be authorised. Only application as soil fumigant may be authorised. Use shall be limited to one application every third year. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on dazomet, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk to operators, workers and bystanders; — the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions; — the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.

Deltamethrin	Insecticide	01/11/2003	31/10/2024	03/5/EC, Reg. (EU) No 2018/1262, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012 (, Reg. (EU) 2016/950,, Reg. (EU) 2017/1511), Reg (EU) 2019/1589, Reg. (EU) 2020/1511	General	CAS No 52918-63-5	(S)-α-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropane carboxylate	980 g/kg	Only uses as insecticide may be authorised For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on deltamethrin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plant Health on 18 October 2002 shall be taken into account. In this overall assessment competent authorities: — must pay particular attention to the operator safety and must ensure that the conditions of authorisation include appropriate protective measures, — should observe the acute dietary exposure situation of consumers in view of future revisions of maximum residue levels, — must pay particular attention to the protection of aquatic organisms, bees and non-target arthropods and must ensure that the conditions of authorisation include risk mitigation measures, where appropriate.
Diammonium phosphate	Attractant	29/04/2016		Reg. (EU) 2016/548, Reg. (EU) No 540/2011 (, 2002/2076)	Professional	7783-28-0	Diammonium hydrogen phosphate	Oenological grade	Diammonium phosphate shall be used in accordance with the specific conditions included in the conclusions of the review report on diammonium phosphate (SANTE/12351/2015) and in particular Appendices I and II thereto.'
Dicamba	Herbicide	01/01/2009	31/12/2024	2008/69, Reg. (EU) No 1100/2011, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	General	CAS No 1918-00-9	3,6-dichloro-2-methoxybenzoic acid	≥ 850 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on dicamba, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 27 September 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of non-target plants. Conditions of use shall include adequate risk mitigation measures, where appropriate.
Dichlorprop-P	Herbicide	01/06/2007	30/04/2024	2006/74/EC, Reg. (EU) No 1166/2013, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 878/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	CAS No 15165-67-0	(R)-2-(2,4-dichlorophenoxy) propanoic acid	≥ 900 g/kg	'PART A Only uses as herbicide may be authorised. As regards cereals, only application in spring may be authorised, at rates not exceeding 800 g active substance per hectare per application. Use on grassland shall not be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on dichlorprop-P, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 May 2006 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of birds, mammals, aquatic organisms and non-target plants. Conditions of authorisation shall include risk mitigation measures, where appropriate.'
Diclofop	Herbicide	01/06/2011	31/05/2026	2011/45/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011	Professional	CAS No 40843-25-2 (parent) CAS No 257-141-8 (diclofop-methyl)	Diclofop (RS)-2-[4-(2,4-dichlorophenoxy)phenoxy]propionic acid Diclofop-methyl methyl (RS)-2-[4-(2,4-dichlorophenoxy)phenoxy] propionate	≥ 980 g/kg (expressed as diclofop-methyl)	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on diclofop, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall: — pay particular attention to the operators and workers safety and include as a condition for authorisation the application of adequate personal protective equipment; — pay particular attention to the risk to aquatic organisms and non target plants and require risk mitigation measures to be applied. The competent authorities concerned shall request the submission of confirmatory information as regards: (a) a metabolism study on cereals; (b) an update of the risk assessment concerning the possible environmental impact of the preferential degradation/conversion of the isomers. The applicant must submit to each competent authority the information set out in point (b) within two years of the issuing of a specific guidance document on evaluation of isomers mixtures.
Diethofencarb	Fungicide	01/06/2011	31/05/2024	2011/26/EU, Reg. (EU) No 540/2011	Professional	CAS No 87130-20-9	isopropyl 3,4-diethoxycarbanilate	≥ 970 g/kg Impurities: Toluene: not more than 1 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on diethofencarb, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 January 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to aquatic organisms and non-target arthropods and shall ensure that conditions of use include the application of adequate risk mitigation measures.
Difenoconazole	Fungicide	01/01/2009	31/12/2024	2008/69, Reg. (EU) No 1100/2011, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	General	CAS No 119446-68-3	3-chloro-4- [(2RS,4RS;2RS,4SR)-4- methyl-2-(1H-1,2,4-triazol-1-ylmethyl)- 1,3-dioxolan-2- yl]phenyl 4-chlorophenyl ether	≥ 940g/kg Toluene maximum content: 5 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on difenoconazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 27 September 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of aquatic organisms. Conditions of use shall include adequate risk mitigation measures, where appropriate. The notifier shall submit confirmatory information as regards: (a) further data on the specification of the technical material; (b) residues of triazole derivative metabolites (TDMs) in primary crops, rotational crops, processed commodities and products of animal origin; (c) the potential for endocrine disrupting effects on fish (fish full life cycle study) and the chronic risk to earthworms from the active substance and the metabolite CGA 205375 (*); (d) the possible impact of the variable isomer-ratio in the technical material and of the preferential degradation and/or conversion of the mixture of isomers on the worker risk assessment, the consumer risk assessment and on the environment. The notifier must submit to each competent authority the information set out in point (d) within 2 years from the issuing of specific guidance.
Diflufenican	Herbicide	01/01/2009	31/12/2024	2008/66, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 83164-33-4	2',4'-difluoro-2-(α,α,α-trifluoro-m-tolyloxy) nicotinanilide	≥ 970 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on diflufenican, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 14 March 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the protection of aquatic organisms. Risk mitigation measures such as buffer zones shall be applied, where appropriate, — the protection of non-target plants. Risk mitigation measures such as an in-field no spray buffer zones shall be applied, where appropriate.
Dimethachlor	Herbicide	01/01/2010	31/12/2024	2009/77/EC, Reg. (EU) No 540/2011	Professional	CAS No 50563-36-5	2-chloro-N-(2-methoxyethyl)acet-2',6'-xylidide	≥ 950 g/kg Impurity 2,6- dimethylaniline: Not more than 0,5 g/kg	PART A Only uses as herbicide in application max. of 1,0 kg/ha only every third year on the same field may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on dimethachlor, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 26 February 2009 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment, — the protection of aquatic organisms and non-target plants; in relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate, — the protection of the groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation shall include risk mitigation measures and monitoring programmes shall be initiated to verify potential groundwater contamination from metabolites CGA 50266, CGA 354742, CGA 102935 and SYN 528702 in vulnerable zones, where appropriate. If dimethachlor is classified as carcinogenic category 2 in accordance with Regulation (EC) No 1272/2008, the competent authorities concerned shall request the submission of further information on the relevance of the metabolites CGA 50266, CGA 354742, CGA 102935 and SYN 528702 with respect to cancer and ensure that the notifier provides that information to each competent authority within six months from the notification of the classification decision concerning that substance.
Dimethenamid-P	Herbicide	01/09/2019	31/08/2034	03/84/EC, Reg. (EU) 2018/1262, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012 (, Reg. (EU) 2016/950,, Reg. (EU) 2017/1511) Reg. (EU) 2019/1137	Professional	CAS No 163515-14-8	S-2-chloro-N-(2,4-dimethyl-3-thienyl)-N-(2-methoxy-1-methylethyl)-acetamide	≥ 930 g/kg The following impurity is of toxicological concern and must not exceed the following level in the technical material: 1,1,1,2-Tetrachloroethane (TCE): ≤ 1,0 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on dimethenamid-P, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators and workers, ensuring that conditions of use include the application of adequate personal protective equipment; —the protection of groundwater, in particular regarding the metabolites of dimethenamid-P; —the protection of aquatic organisms and small herbivorous mammals. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit to the competent authority confirmatory information as regards the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or ground water is abstracted for drinking water. The applicant shall submit the requested information within two years from the date of publication, by the Commission, of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Dimethomorph	Fungicide	01/10/2007	31/07/2024	07/25/EC, Reg. (EU) 2018/917, Reg. (EU) 540/2011, Reg (EU) 2019/707 Reg. (EU) 2020/869	Professional	CAS No 110488-70-5	(E,Z) 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)acryloyl]morpholine	≥ 965 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on dimethomorph, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 24 November 2006 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operators and workers safety. Authorised conditions of use must prescribe the application of adequate personal protective equipment; — to the protection of birds, mammals and aquatic organisms. Conditions of authorisation should include risk mitigation measures, where appropriate.
Dimoxystrobin	Fungicide	01/10/2006	31/01/2024	06/75/EC, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011 (, Reg. (EU) No 1136/2013,, Reg.(EU) No 84/2018), Reg. EU 2019/2094	Professional	CAS No 149961-52-4	(E)-α-(2,5-dimethylphenoxymethyl)-2-methoxyimino-N-methylphenylacetamide	≥ 980 g/kg	PART A Only uses as fungicide may be authorised. PART B In assessing applications to authorise plant protection products containing dimoxystrobin for indoor uses, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on dimoxystrobin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 27 January 2006 shall be taken into account. In this overall assessment competent authorities — must pay particular attention to the protection of groundwater, when the active substance is applied in a situation with a low crop interception factor, or in regions with vulnerable soil and/or climate conditions; — must pay particular attention to the protection of aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.

Disodium phosphonate	Fungicide	01/02/2014	31/01/2026	Reg. (EU) No 832/2013 (, Dossier complete 08/953/EC), Reg (EU) 2020/2007	Professional	13708-85-5	disodium phosphonate	281-337 g/kg (TK) ≥ 917 g/kg (TC)	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on disodium phosphonate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 16 July 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk of eutrophication of surface water. Conditions of use shall include risk mitigation measures, where appropriate.
Dithianon	Fungicide	01/06/2011	31/08/2024	2011/41/EU, Reg. (EU) 2018/1266, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 3347-22-6	5,10-dihydro-5,10-dioxonaphtho[2,3-b]-1,4-dithiine-2,3-dicarbonitrile	≥ 930 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on dithianon, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall: — pay particular attention to the protection of aquatic organisms; conditions of use shall include risk mitigation measures, where appropriate, — pay particular attention to the operator safety; conditions of use shall include the application of adequate personal protective equipment, where appropriate, — pay particular attention to the long-term risks to birds; conditions of use shall include risk mitigation measures, where appropriate.
Dodecan-1-ol	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	112-53-8	Dodecan-1-ol	998 g/kg	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Dodecyl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	112-66-3	Dodecyl acetate	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Dodemorph	Fungicide	01/09/2009	31/08/2025	2008/125, Reg. (EU) 2017/195, Reg. (EU) No 540/2011	Professional	CAS No 1593-77-7	cis/trans-[4-cyclododecyl]- 2,6-dimethylmorpholine	≥ 950 g/kg	PART A Only uses as fungicide on ornamentals in glasshouse may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on dodemorph, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 October 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator and worker safety and ensure that conditions of use prescribe the application of adequate personal protective equipment where appropriate; — the protection of the groundwater, when the active substance is applied in regions with vulnerable soil conditions; — conditions of authorisation should include risk mitigation measures, where appropriate.
Dodine	Fungicide	01/06/2011	31/08/2024	2011/9/EU, Reg.(EU) No 2018/1266, Reg.(EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 2439-10-3	1-dodecylguanidinium acetate	≥ 950 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on dodine, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 November 2010 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the potential long-term risk to birds and mammals; — the risk to aquatic organisms and ensure that conditions of use impose adequate risk mitigation measures; — the risk to non-target plants in the off-field area and ensure that conditions of use impose adequate risk mitigation measures; — the monitoring of residue levels in pome fruit.
E,Z-3,13-Octadecadienyl Acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	53120-26-6	(3E,13Z)-Octadeca-3,13-dienyl Acetate	560 g/kg, <5 g/kg of the additive BHT [2,6-di(1,1-dimethylethyl)-4-methylphenol]	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Emamectin	Insecticide	01/05/2014	30/11/2024	Reg. (EU) No 828/2013 (, Dossier complete 07/669/EC), Reg (EU) 2020/1295, Reg (EU) 2020/2007	Professional	emamectin: 119791-41-2 emamectin benzoate: 155569-91-8 emamectin B1a benzoate: 138511-97-4 emamectin B1b benzoate: 138511-98-5	(1R,4S,5'S,6S,6'R,8R,12S,13S,20R,21R,24S)-6'-[(S)-sec-butyl]-21,24-dihydroxy-5',11,13,22-tetramethyl-2-oxo-(3,7,19-trioxatetracyclo[15.6.1.14,8 .020,24]pentacosa- 10,14,16,22-tetraene)-6-spiro-2'- (5',6'-dihydro-2'H-pyran)-12-yl 2,6- dideoxy-3-O-methyl-4-O-(2,4,6- trideoxy-3-O-methyl-4-methylamino- α-L-lyxo-hexapyranosyl)-α-L-arabino- hexapyranoside Emamectin B1b: (10E,14E,16E)-(1R,4S,5'S,6S,6'R,8R,12S,13S,20R,21R,24S)-21,24-dihydroxy-6'- isopropyl-5',11,13,22-tetramethyl-2-oxo-(3,7,19-trioxatetracyclo[15.6.1.14,8 .020,24]pentacosa- 10,14,16,22-tetraene)-6-spiro-2'- (5',6'-dihydro-2'H-pyran)-12-yl 2,6- dideoxy-3-O-methyl-4-O-(2,4,6- trideoxy-3-O-methyl-4-methylamino- α-L-lyxo-hexapyranosyl)-α-L-arabino- hexapyranoside Emamectin B1a benzoate: (10E,14E,16E)-(1R,4S,5'S,6S,6'R,8R,12S,13S,20R,21R,24S)-6'-[(S)-sec-butyl]-21,24-dihydroxy-5',11,13,22-tetramethyl-2-oxo-(3,7,19-trioxatetracyclo[15.6.1.14,8 .020,24]pentacosa- 10,14,16,22-tetraene)-6-spiro-2'- (5',6'-dihydro-2'H-pyran)-12-yl 2,6- dideoxy-3-O-methyl-4-O-(2,4,6- trideoxy-3-O-methyl-4-methylamino- α-L-lyxo-hexapyranosyl)-α-L-arabino- hexapyranoside Emamectin B1b benzoate: (10E,14E,16E)-(1R,4S,5'S,6S,6'R,8R,12S,13S,20R,21R,24S)-21,24-dihydroxy-6'- isopropyl-5',11,13,22-tetramethyl-2-oxo-(3,7,19-trioxatetracyclo[15.6.1.14,8 .020,24	≥ 950 g/kg as emamectin benzoate anhydrous (a mixture of min. 920 g/kg emamectin B1a benzoate and max. 50 g/kg emamectin B1b benzoate)	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on emamectin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 16 July 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk to non-target invertebrates; — the protection of workers and operators. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards the risk of enantio-selective metabolisation or degradation. The applicant must submit to each competent authority the relevant information within two years after the issuing of a specific guidance document on evaluation of isomer mixtures.
Equisetum arvense L.	Fungicide	01/07/2014		Reg. (EU) No 462/2014, Reg. (EU) No 540/2011	Professional	not allocated	Not applicable	European Pharmacopeia	Equisetum arvense L. may be used in accordance with the specific conditions included in the conclusions of the review report on Equisetum arvense L. (SANCO/12386/2013) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 March 2014.
Esfenvalerate	Insecticide	01/01/2016	31/12/2025	00/67/EC, Reg. (EU) 2015/2047, Reg. (EU) No 540/2011 (, 2010/77/EU,, Reg. (EU) 2015/1885)	Professional	CAS No 66230-04-4	(S)-α-Cyano-3-phenoxybenzyl-(S)-2-(4-chlorophenyl)-3-methylbutyrate	830 g/kg The impurity toluene shall not exceed 10 g/kg in the technical material.	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on esfenvalerate, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk from esfenvalerate and the 2SαR-isomer of fenvalerate to aquatic organisms including the risk for bio-accumulation through the food chain, — the risk to honeybees and non-target arthropods, — the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of use shall include risk mitigation measures, where appropriate.
Ethephon	Plant growth regulator	01/08/2007	31/07/2024	06/85/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011 (, Reg. (EU) No 2015/415), Reg. (EU) 2020/869	Professional	CAS No 16672-87-0	2-chloroethyl-phosphonic acid	≥ 910 g/kg (technical material — TC) The manufacturing impurities MEPHA (Mono 2-chloroethyl ester, 2-chloroethyl phosphonic acid) and 1,2-Dichloroethane are of toxicological concern and must not exceed respectively 20 g/kg and 0,5 g/kg in the technical material.	PART A Only uses as plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on ethephon, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 14 July 2006 shall be taken into account.

Ethofumesate	Herbicide	01/11/2016	31/10/2031	02/37/EC, Reg. (EU) 2016/1426, Reg. (EU) 2016/950, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012	Professional	CAS No 26225-79-6	(RS)-2-ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methanesulfonate	≥ 970 g/kg The following impurities are of toxicological concern and must not exceed the following levels in the technical material: — EMS; ethyl methane sulfonate: maximum of 0,1 mg/kg — iBMS; iso-butyl methane sulfonate: maximum of 0,1 mg/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on ethofumesate, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.'
Ethylene	Plant growth regulator	01/09/2009	31/08/2025	2008/127/EC, Reg. (EU) 2017/195, Reg. (EU) No 187/2013, Reg. (EU) No 540/2011	Professional	CAS No 74-85-1	Ethene	≥ 90 % Relevant impurity: ethylene oxide, max content 1 mg/kg	PART A Only indoor uses as plant growth regulator by professional users may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on ethylene (SANCO/2608/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 February 2013, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the compliance of ethylene with the required specifications, irrespective of the form in which it is supplied to the user; (b) the protection of operators, workers and bystanders. Conditions of authorisation shall include, where appropriate, risk mitigation measures.'
Etofenprox	Insecticide	01/01/2010	31/12/2024	2009/77/EC, Reg. (EU) No 540/2011	Professional	CAS No 80844-07-1	2-(4-ethoxyphenyl)-2- methylpropyl 3-phenoxybenzyl ether	≥ 980 g/kg	PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on etofenprox, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 26 February 2009 shall be taken into account. In this overall assessment competent authorities 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 aquatic organisms; in relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate, — the protection of bees and non-target arthropods; in relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate.
Etoxazole	Insecticide	01/06/2005	31/07/2024	05/34/EC, Reg. (EU) 2018/917, Reg. (EU) 2019/707, Reg. (EU) No 540/2011 (, Reg. (EU) 2017/841), Reg. (EU) 2020/869	Professional	CAS No 153233-91-1	(RS)-5-tert-butyl-2-[2-(2,6-difluorophenyl)-4,5-dihydro-1,3-oxazol-4-yl] phenetole	≥ 948 g/kg	Only uses as acaricide may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on etoxazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 December 2004 shall be taken into account. In this overall assessment competent authorities should pay particular attention to the protection of aquatic organisms. Risk mitigation measures should be applied where appropriate.
Etridiazole	Fungicide	01/06/2011	31/05/2024	2011/29/EU, Reg. (EU) No 540/2011	Professional	CAS No 2593-15-9	ethyl-3-trichloromethyl-1,2,4-thiadiazol-5-yl ether	≥ 970 g/kg	PART A Only uses as fungicide in non-soil bound systems in greenhouse may be authorised. PART B In assessing applications to authorise plant protection products containing etridiazole for uses other than on ornamental plants, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary information is provided before such an authorization is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on etridiazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 January 2011 shall be taken into account. In this overall assessment competent authorities shall: — pay particular attention to the risk to operators and workers and ensure that conditions of use include the application of appropriate risk mitigation measures; — ensure that appropriate waste management practices are applied as regards waste water from irrigation of non-soil bound growing systems; competent authorities permitting the release of waste water into the sewage system or into natural water bodies, shall ensure that an appropriate risk assessment is carried out; — pay particular attention to the risk to aquatic organisms and ensure that conditions of use include the application of appropriate risk mitigation measures.
Eugenol	Fungicide	01/12/2013	30/11/2026	Reg. (EU) No 546/2013 (, 2007/442/EC,, Dossier complete 2011/266/EU)	General	97-53-0	4-allyl-2-methoxyphenol	≥ 990 g/kg Relevant impurity: methyl eugenol maximum 0,1 % of the technical material	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on eugenol, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 May 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators, workers, bystanders and residents, ensuring that conditions of use include the application of adequate personal protective equipment, where appropriate, — the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions, — the risk to aquatic organisms, — the risk to insectivorous birds. Conditions of use shall include risk mitigation measures, where appropriate.
Extract from tea tree	Fungicide	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 154/2014, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	General	CAS No Tea Tree Oil 68647-73-4 Main components: terpinen-4-ol 562-74-3 γ-terpinene 99-85-4 α-terpinene 99-86-5 1,8-cineole 470-82-6	Tee Tree Oil is a complex mixture of chemical substances.	Main components: terpinen-4-ol ≥ 300 g/kg γ-terpinene ≥ 100 g/kg α-terpinene ≥ 50 g/kg 1,8-cineole ≥ 1 g/kg Relevant impurity: Methyl eugenol: maximum 1 g/kg of the technical material	PART A Only uses as fungicide in greenhouse may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on extract from tea tree (SANCO/2609/2008 final) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 13 December 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to — the protection of operators and workers, ensuring that conditions of use include the application of adequate personal protective equipment, where appropriate; — the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions; — the protection of surface water and aquatic organisms; — the protection of honey bees, non-target arthropods, earthworms and non-target micro- and macro-organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Famoxadone	Fungicide	01/10/2002	30/06/2024	02/64/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011 (, 2010/77/EU,, Reg. (EU) 2015/1885, Reg. (EU) 2016/549, Reg. (EU) 2017/841), Reg. (EU) 2019/707, Reg. (EU) 2020/869	Professional	CAS No 131807-57-3	3-anilino-5-methyl-5-(4-phenoxyphenyl)-1,3-oxazolidine-2,4-dione	960 g/kg	Only uses as fungicide may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on famoxadone, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 19 April 2002 shall be taken into account. In this overall assessment: — competent authorities must pay particular attention to potential chronic risks of the parent substance or metabolites to earthworms; — competent authorities must pay particular attention to the protection of aquatic organisms and must ensure that the conditions of authorisation include, where appropriate, risk mitigation measures; — competent authorities should pay particular attention to the protection of operators.
Fat distilation residues	Repellant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 597/2012, Reg (EU) No 2020/1160	General		Not available	≥ 40 % of cleaved fatty acids Relevant impurity: Ni maximum 200 mg/kg	PART A Only uses as repellent may be authorised. Fat destilation residues of animal origin must be in compliance with Regulation (EC) No 1069/2009. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fat destilation residues (SANCO/2610/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Fatty acids C7 to C20	Insecticide, Acaricide, Herbicide, Plant growth regulator	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	General	CAS No 112-05-0 (Pelargonic Acid) 67701-09-1 (Fatty acids C7-C18 and C18 unsaturated potassium salts) 124-07-2 (Caprylic Acid) 334-48-5 (Capric Acid) 143-07-7 (Lauric Acid) 112-80-1 (Oleic Acid) 85566-26-3 (Fatty acids C8-C10 Me esters) 111-11-5 (Methyl octanoate) 110-42-9 (Methyl decanoate)	Nonanoic acid Caprylic Acid, Pelargonic Acid, Capric Acid, Lauric Acid, Oleic Acid (ISO in each case) Octanoic Acid, Nonanoic Acid, Decanoic Acid, Dodecanoic Acid, cis-9- Octadecenoic Acid (IUPAC in each case) Fatty acids, C7-C10, Me esters	≥ 889 g/kg (Pelargonic Acid) ≥ 838 g/kg fatty acids ≥ 99 % fatty acid methyl esters	PART A Only uses as insecticide, acaricide, and herbicide and plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fatty acids (SANCO/2610/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Fenazaquin	Acaricide	01/06/2011	31/05/2026	2011/39/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 2018/690, Reg. (EU) No 540/2011	Professional	CAS No 120928-09-8	4-tert-butylphenethyl quinazolin-4-yl ether	≥ 975 g/kg	'PART A Only uses as acaricide in greenhouses may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fenazaquin, and in particular Appendices I and II thereto, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011, and of the addendum to the review report on fenazaquin, and in particular Appendices I and II thereto, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 22 March 2018, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the protection of aquatic organisms; (b) the protection of operators, also ensuring that the conditions of the use include the application of adequate personal protective equipment; (c) the protection of bees; (d) the risk to bees and bumble bees released for pollination, when the substance is applied in glasshouses; (e) the risk to consumers, in particular from the residues generated during processing; (f) the conditions of use to avoid exposure to residues of fenazaquin with respect to crops for human and animal consumption. Conditions of use shall include risk mitigation measures, where appropriate.'

Fenbuconazole	Fungicide	01/05/2011	30/04/2024	2010/87/EU, Reg. (EU) No 540/2011	Professional	CAS No 114369-43-6	(R,S) 4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile	≥ 965 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fenbuconazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 October 2010 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment where appropriate, — the dietary exposure of consumers to the residues of triazole derivative metabolites (TDMs), — the risk to aquatic organisms and mammals. Conditions of use shall include risk mitigation measures, where appropriate. The competent authorities concerned shall request the submission of confirmatory data on residues of triazole derivative metabolites (TDMs) in primary crops, rotational crops and products of animal origin. The notifier must submit to each competent authority further information addressing the potential endocrine disrupting properties of fenbuconazole within two years after the adoption of the OECD test guidelines on endocrine disruption or, alternatively, the issuing of test guidelines set by the competent authority.
Fenhexamid	Fungicide	01/01/2016	31/12/2030	Reg. (EU) 2015/1201, Reg. (EU) No 540/2011 (, 01/28/EC)	Professional	CAS No 126833-17-8	N-(2,3-dichloro-4-hydroxyphenyl)-1-methylcyclohexane-1- carboxamide	≥ 975 g/kg The following relevant impurity must not exceed a certain threshold in the technical material: toluene: max. 1 g/kg 4-amino-2,3-dichlorophenol: max. 3 g/kg.	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fenhexamid, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators during field crop handheld operations, — the protection of workers re-entering indoor-treated crops, — the risk to aquatic organisms, — the long-term risk to mammals for field uses. Conditions of use shall include risk mitigation measures, where appropriate.
Fenoxaprop-P	Herbicide	01/01/2009	31/12/2024	2008/66, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 113158-40-0	(R)-2[4-[(6-chloro-2-benzoxazolyl)oxy]-phenoxy]-propanoic acid	≥ 920 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fenoxaprop- P, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 14 March 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment, — the protection of non target plants, — the presence of the safener mefenpyr-diethyl in formulated products as regards operator, worker and bystander exposure, — the persistence of the substance and of some of its degradation products in colder zones and areas where anaerobic conditions may occur. Conditions of authorisation should include risk mitigation measures, where appropriate.
Fenoxycarb	Insecticide	01/06/2011	31/05/2024	2011/20/EU, Reg. (EU) No 540/2011	Professional	CAS No 79127-80-3	Ethyl 2-(4-phenoxyphenoxy)ethyl carbamate	≥ 970 g/kg Impurities: Toluene: max. 1 g/kg	PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fenoxycarb, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 January 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of aquatic organisms. Conditions of authorisation shall include risk mitigation measures, where appropriate, — the risk to bees and non-target arthropods. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Fenpicoxamid (formerly: Lysrephenvalpyr)	Fungicide	11/10/2018	11/10/2028	Reg. (EU) 2018/1265	Professional	517875-34-2	(3S,6S,7R,8R)-8-benzyl-3-[(3-{[isobutyryloxy) methoxy]-4-methoxypyridine-2-carboxamido)-6-methyl-4,9-dioxo-1,5-dioxonan-7-yl isobutyrate	≥ 750 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fenpicoxamid, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the impact of processing on the consumer risk assessment, — the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards: 1. the technical specification of the active substance as manufactured (based on commercial scale production) and the compliance of the toxicity batches with the confirmed technical specification; 2. the effect of water treatment processes on the nature of residues present in drinking water; 3. the endocrine disrupting potential of fenpicoxamid as regards the thyroid modality/pathway, providing in particular mechanistic data to clarify according to Points 3.6.5 and 3.8.2 of Annex II of Regulation (EC) No 1107/2009, whether the effects observed in the studies submitted for approval are or are not related to a thyroid endocrine disrupting mode of action. The applicant shall submit to each competent authority information referred to in point 1 by 11 October 2019, in point 2 within 2 years of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater being made public by the competent authority and in point 3 by 10 November 2020.
Fenpropidin	Fungicide	01/01/2009	31/12/2024	2008/66, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 67306-00-7	(R,S)-1-[3-(4-tert-butylphenyl)-2-methylpropyl]-piperidine	≥ 960 g/kg (racemate)	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fenpropidin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 14 March 2008 shall be taken into account. In this overall assessment competent authorities 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 aquatic organisms and must ensure that the conditions of authorisation include, where appropriate, risk mitigation measures such as buffer zone.
Fenpyrazamine	Fungicide	01/01/2013	31/12/2025	Reg. (EU) No 595/2012 (, Dossier complete 2010/150/EU)	Professional	473798-59-3	S-allyl 5-amino-2,3-dihydro- 2-isopropyl-3-oxo-4-(o-tolyl) pyrazole-1-carbothioate	≥ 940 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fenpyrazamine, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 June 2012 shall be taken into account. The purity given in this entry is based on a pilot plant production.
Fenpyroximate	Acaricide	01/05/2009	30/04/2024	2008/107, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	CAS No 134098-61-6	tert-butyl (E)-alpha-(1,3-dimethyl-5-phenoxypyrazol-4-ylmethyleneamino-oxy)-p-toluate	> 960 g/kg	PART A Only uses as acaricide may be authorised. The following uses must not be authorised: — applications in high crops with a high risk of spray drift, for example tractor mounted air-blast sprayer and hand-held applications. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fenpyroximate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 July 2008 shall be taken into account. In this overall assessment competent authorities 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 impact on aquatic organisms and non-target arthropods and must ensure that the conditions of authorisation include, where appropriate, risk mitigation measures.
Ferric phosphate	Molluscicide	01/01/2016	31/12/2030	Reg. (EU) 2015/1166, Reg. (EU) No 540/2011 (, 01/87/EC)	General	CAS No 10045-86-0	Ferric phosphate	Ferric phosphate 703 g/kg equivalent to 260 g/kg iron and 144 g/kg phosphorus	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on ferric phosphate, and in particular Appendices I and II thereof, shall be taken into account.
Ferric pyrophosphate		03/08/2020	03/08/2035	Reg (EU) 2020/1018	General	10058-44-3	iron(3+) diphosphate	≥ 802 g/kg The following impurities are of toxicological and enviromental concern and must not exceed the following levels in the technical material: — Lead: 3 mg/kg — Mercury: 0,1 mg/kg — Cadmium: 1 mg/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on ferric pyrophosphate, and in particular Appendices I and II thereto, shall be taken into account.
Flazasulfuron	Herbicide	01/08/2017	31/07/2032	Reg. (EU) 2017/805, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012 (, 04/30/EC., Reg. (EU) 2016/2016)	Professional	CAS No 104040-78-0	1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifluoromethyl-2-pyridylsulphonyl)urea	≥ 960 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on flazasulfuron, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of aquatic plants, — the protection of non-target terrestrial plants, —the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of use shall include risk mitigation measures, where appropriate. The applicant must submit to each competent authority confirmatory information as regards the effect of water treatment processes on the nature of residues present in surface and groundwater within two years after the issuing of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Flonicamid (IKI-220)	Insecticide	01/09/2010	31/08/2026	2010/29/EU, Reg. (EU) 2017/2069, Reg. (EU) No 540/2011	Professional	CAS No 158062-67-0	N-cyanomethyl-4-(trifluoromethyl)nicotinamide	≥ 960 g/kg The impurity toluene must not exceed 3 g/kg in the technical material.	PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on flonicamid, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 22 January 2010, shall be taken into account. In this overall assessment, competent authorities must pay particular attention to: — the risk to operators and re-entry workers, — the risk to bees. Conditions of authorisation shall include risk mitigation measures where appropriate.
Florasulam	Herbicide	01/01/2016	31/12/2030	Reg. (EU) 2015/1397, Reg. (EU) No 540/2011 (, 02/64/EC)	Professional	CAS No 145701-23-1	2', 6', 8-Trifluoro-5-methoxy-[1,2,4]-triazolo [1,5-c] pyrimidine-2-sulphonanilide	≥ 970 g/kg Impurity: 2,6-DFA, not more than 2 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on florasulam, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to aquatic organisms and non-target terrestrial plants. Conditions of use shall include risk mitigation measures, where appropriate.'
Florpyrauxifen-benzyl		24/07/2019	24/07/2029	Reg. (EU) 2019/1138	Professional	1390661-72-9	benzyl 4-amino-3- chloro-6-(4-chloro-2- fluoro-3-methoxyphenyl)-5- fluoropyridine-2- carboxylate	≥ 920 g/kg The impurity toluene shall not exceed 3 g/kg in the technical material.	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on 22 March 2019, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of aquatic and terrestrial non-target plants. Conditions of use shall include risk mitigation measures such as buffer zones and/or drift reduction nozzles, where appropriate. The applicant shall submit to the competent authority an updated assessment of the information submitted and, where relevant, further information to confirm the absence of endocrine activity in accordance with points 3.6.5 and 3.8.2 of Annex II to Regulation (EC) No 1107/2009, as amended by Commission Regulation (EU) 2018/605 by 24 July 2021.

Fluazifop-P	Herbicide	01/01/2012	31/12/2026	Reg. (EU) No 201/2013, Reg. (EU) No 540/2011, Reg. (EU) No 788/2011 (, 2008/934/EC), Reg. (EU) No 2019/291 ,	Professional	83066-88-0	(R)-2-[4-[5- (trifluoromethyl)-2- pyridyloxy]phenoxy] propionic acid (fluazifop-P)	≥ 900 g/kg in fluazifop P-butyl The following impurity 2-chloro-5- (trifluoromethyl)pyridine must not exceed 1,5 g/kg in the material as manufactured	'PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fluazifop-P, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 February 2013, shall be taken into account. In this overall assessment competent authorities shall: — pay particular attention to consumer safety as regards the occurrence in groundwater of the metabolite compound X (*); — pay particular attention to operator safety and shall ensure that conditions of use include the application of adequate personal protective equipment, where appropriate; — pay particular attention to the protection of surface water and groundwater in vulnerable zones; — pay particular attention to the risk for non-target plants. Conditions of use shall include risk mitigation measures, where appropriate. (*) 5-(trifluoromethyl)-2(1H)-pyridinone. (**) 4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenol.
Fluazinam	Fungicide	01/03/2009	28/02/2024	2008/108, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg. EU 2019/2094	Professional	CAS No 79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2, 6-dinitro-p-toluidine	≥ 960 g/kg Impurities: 5-chloro-N-(3-chloro- 5-trifluoromethyl- 2- pyridyl)-α,α,α-trifluoro- 4,6-dinitro-o-toluidine — not more than 2 g/kg	PART A Only uses as fungicide may be authorised. PART B In assessing applications to authorise plant protection products containing fluazinam for uses other than potatoes, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fluazinam, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 May 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the protection of the operators' and workers' safety. Authorised conditions of use must prescribe the application of adequate personal protective equipment and risk mitigation measures to reduce the exposure, — the residues in food of plant and animal origin and evaluate the dietary exposure of consumers, — the protection of aquatic organisms. In relation to this identified risk, risk mitigation measures, such as buffer zones, should be applied where appropriate.
Flubendiamide	Insecticide	01/09/2014	30/11/2024	Reg. (EU) No 632/2014 (, Dossier complete 06/927/EC), Reg (EU) 202/2007	Professional	272451-65-7	3-iodo-N'-(2-mesyl-1,1-dimethylethyl)-N-[4-[1,2,2,2-tetrafluoro-1- (trifluoromethyl)ethyl]-o-tolyl] phthalamide	≥ 960 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on flubendiamide, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 March 2014 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to aquatic invertebrates; (b) the potential presence of residues in rotational crops. Conditions of use shall include risk mitigation measures, where appropriate.
Fludioxonil	Fungicide	01/11/2008	31/10/2024	2007/76, Reg. (EU) No 2018/1262, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 131341-86-1	4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile	950 g/kg	PART A Only uses as fungicide may be authorised. PART B In assessing applications to authorise plant protection products containing fludioxonil for uses other than seed treatment, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted and: — must pay particular attention to the potential for groundwater contamination, in particular from the soil photolysis metabolites CGA 339833 and CGA 192155, in vulnerable zones, — must pay particular attention to the protection of fish and aquatic invertebrates. Conditions of authorisation should include risk mitigation measures, where appropriate. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fludioxonil, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 9 October 2007 shall be taken into account.
Flufenacet (formerly fluthiamide)	Herbicide	01/01/2004	31/10/2024	03/84/EC, Reg. (EU) No 2018/1262, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012 (, Reg. (EU) 2016/950,, Reg. (EU) 2017/1511), Reg (EU) 2019/1589, Reg (EU) 2020/1511	Professional	CAS No 142459-58-3	4'-fluoro-N-isopropyl-2-[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yloxy]acetanilide	950 g/kg	Only uses as herbicide may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on flufenacet, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 4 July 2003 shall be taken into account. In this overall assessment competent authorities: — should pay particular attention to the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climate conditions, — should pay particular attention to the protection of algae and aquatic plants, — should pay particular attention to the protection of operators. Risk mitigation measures should be applied where appropriate.
Flumetralin	Plant growth regulator	11/12/2015	11/12/2025	Reg. (EU) 2015/2105, Reg. (EU) No 540/2011 (, Reg. (EC) No 2076/2002)	Professional	62924-70-3	N-(2-chloro-6-fluorobenzyl)-N-ethyl-α,α,α-trifluoro-2,6-dinitro-p-toluidine	980 g/kg The impurity Nitrosamine (calculated as nitroso-dimethylamine) shall not exceed 0,001 g/kg in the technical material	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on flumetralin, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the protection of operators and workers, ensuring that conditions of use include the application of adequate personal protective equipment, where appropriate; (b) the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions; (c) the risk to herbivorous mammals; (d) the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Flumioxazin (spelt flumioxazine in ss)	Herbicide	01/01/2003	30/06/2024	02/81/EC, Reg. (EU) No 540/2011, Reg. (EU)2018/917 (, 2010/77/EU,, Reg. (EU) 2015/1885,, Reg. (EU) 2016/549,, Reg. (EU) 2017/841), Reg. (EU) 2020/869	Professional	CAS No 103361-09-7	N-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzoxazin-6-yl)cyclohex-1-ene-1,2-dicarboximide	960 g/kg	Only uses as herbicide may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on flumioxazine, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 June 2002 shall be taken into account. In this overall assessment competent authorities: — must carefully consider the risk to aquatic plants and algae. Conditions of authorisation must include risk mitigation measures, where appropriate.
Fluometuron	Herbicide	01/06/2011	31/08/2024	2011/57/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No: 2164-17-2	1,1-dimethyl-3-(α,α,α -trifluoro-m-tolyl)urea	≥ 940 g/kg	PART A Only uses as herbicide on cotton may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fluometuron, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall: — pay particular attention to the protection of the operators and workers and ensure that conditions of use include the application of adequate personal protective equipment; — pay particular attention to the protection of the groundwater where the active substance is applied in regions with vulnerable soil and/or climatic conditions; they shall ensure that conditions of authorisation include risk mitigation measures and the obligation to carry out monitoring programmes to verify potential leaching of fluometuron and soil metabolites desmethyl-fluometuron and trifluoromethylaniline in vulnerable areas, where appropriate; — pay particular attention to the risk to non-target soil macro-organisms others than earthworms and non-target plants, and ensure that conditions of authorisation include risk mitigation measures, where appropriate. The competent authorities concerned shall ensure that the applicants submit to each competent authority confirmatory information as regards: (a) the toxicological properties of the plant metabolite trifluoroacetic acid;(b) the analytical methods for the monitoring of fluometuron in air; (c) the analytical methods for the monitoring of the soil metabolite trifluoromethylaniline in soil and water; (d) the relevance for ground water of the soil metabolites desmethyl-fluometuron and trifluoromethylaniline, if fluometuron is classified under Regulation (EC) No 1272/2008 as 'suspected of causing cancer'. The applicant must submit to each competent authority the information set out in point (d) within six months of notification of a decision classifying fluometuron.
Fluopicolide	Fungicide	01/06/2010	31/05/2026	2010/15/EU, Reg. (EU) 2017/1527, Reg. (EU) No 540/2011	Professional	239110-15-7	2,6-dichloro-N-[3-chloro-5-(trifluoromethyl)-2-pyridylmethyl]benzamide	≥ 970 g/kg The impurity toluene must not exceed 3 g/kg in the technical material.	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fluopicolide, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 27 November 2009 shall be taken into account. In this overall assessment, competent authorities must pay particular attention to: — the protection of aquatic organisms, — the protection of groundwater when the active substance is applied in regions with vulnerable soil and/or climatic conditions, — to the risk to operators during application, — the potential for long range transport via air. Conditions of authorisation shall include risk mitigation measures and monitoring programmes shall be initiated to verify potential accumulation and exposure in vulnerable areas, where appropriate.
Fluopyram	Fungicide	01/02/2014	31/01/2024	Dossier complete 2009/464, Reg. (EU) No 802/2013	Professional	658066-35-4	N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridyl]ethyl]-α,α,α-trifluoro-o-toluamide	≥ 960 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fluopyram, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 16 July 2013, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to birds and aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards: (1) the long-term risk to insectivorous birds; (2) the potential for causing endocrine disrupting effects in non-target vertebrates other than mammals. The applicant must submit to each competent authority the information set out in point 2 within two years after the adoption of the OECD test guidelines on endocrine disruption.
Fluoxastrobin	Fungicide	01/08/2008	31/07/2024	08/44/EC, Reg. (EU) 2018/917, Reg. (EU) 540/2011, Reg. (EU) 2020/869	Professional	CAS No 361377-29-9	(E)-[2-[6-(2-chlorophenoxy)-5-fluoropyrimidin-4-yloxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime	≥ 940 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fluoxastrobin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 22 January 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety, in particular when handling the undiluted concentrate. Conditions of use shall include adequate protective measures, such as wearing a face shield, — the protection of aquatic organisms. Risk mitigation measures such as buffer zones shall be applied, where appropriate, — the levels of residues of the metabolites of fluoxastrobin, when straw from treated areas is used as animal feeding stuff. Conditions of use shall include restrictions for feeding to animals, where appropriate, — the risk of accumulation in the soil surface, if the substance is used in perennial crops or in succeeding crops in crop rotation. Conditions of use shall include risk mitigation measures, where appropriate.

Flupyradifurone	Insecticide	09/12/2015	09/12/2025	Reg. (EU) 2015/2084, Reg. (EU) No 540/2011	General	951659-40-8	4-[(6-chloro-3-pyridylmethyl)(2,2-difluoroethyl) amino]furan-2(5H)-one	≥ 960 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on flupyradifurone, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of workers and operators, — the risk to non-target arthropods, aquatic invertebrates and small herbivorous mammals, — the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions, — residues in animal matrices and rotational crops. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards: (1) the technical specification of the active substance as manufactured (based on commercial scale production) including the relevance of some individual impurities, (2) the compliance of the toxicity batches with the confirmed technical specification, (3) the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or groundwater is abstracted for drinking water. The applicant must submit to each competent authority the information set out in point (3) within two years after the issuing of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.'
Fluquinconazole	Fungicide	01/01/2012	31/12/2024	Reg. (EU) No 806/2011 (, 2008/934/EC)	Professional	136426-54-5	3-(2,4-dichlorophenyl)-6- fluoro-2-(1H-1,2,4-triazol-1-yl)quinazolin-4(3H)-one	≥ 955 g/kg	PART A Only uses as fungicide may be authorised PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fluquinconazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011 shall be taken into account. In this overall assessment competent authorities: (a) shall pay particular attention to the risk to operators and workers and shall ensure that conditions of use include the application of adequate personal protective equipment, where appropriate; (b) shall pay particular attention to the dietary exposure of consumers to the residues of triazole derivative metabolites (TDMs); (c) shall pay particular attention to the risk to birds and mammals. Conditions of use shall include risk mitigation measures, where appropriate.
Flurochloridone	Herbicide	01/06/2011	31/05/2024	2011/34/EU, Reg. (EU) No 540/2011 (, 2008/934/EC), Reg (EU) 2020/1295	Professional	61213-25-0	(3RS,4RS;3RS,4SR)-3- chloro-4-chloromethyl-1- (α,α,α-trifluoro-m-tolyl)- 2-pyrrolidone	≥ 940 g/kg. Relevant impurities: Toluene: max 8 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on flurochloridone, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 4 February 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: 1. the risk for non-target plants and aquatic organisms; 2. the protection of the groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation shall include risk mitigation measures, where appropriate. The competent authorities concerned shall ensure that the applicant submits to each competent authority further confirmatory information as regards: 1. the relevance of impurities other than toluene; 2. the compliance of ecotoxicological test material with the technical specifications; 3. the relevance of the groundwater metabolite R42819 (15); 4. the potential endocrine disrupting properties of flurochloridone. The applicant must submit to each competent authority the information set out in point (4) within two years after the adoption of the OECD test guidelines on endocrine disruption.
Fluroxypyr	Herbicide	01/01/2012	31/12/2024	Reg. (EU) 2017/856, Reg. (EU) No 736/2011 (, 00/10/EC,. 2007/21/EC,, Reg. (EU) No 540/2011), Reg. (EU) No 2019/291 ,	General	CAS No 69377-81-7	4-amino-3,5-dichloro-6-fluoro-2-pyridyloxyacetic acid	≥ 950 g/kg (fluroxypyr-meptyl) The following manufacturing impurity is of toxicological concern and must not exceed the following amount in the technical material: N-methyl-2-pyrrolidone (NMP): < 3 g/kg	'PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fluroxypyr, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 23 March 2017 shall be taken into account. In this overall assessment, competent authorities must pay particular attention to: — the potential contamination of groundwater by metabolite fluroxypyr pyridinol, when the active substance is applied in regions with alkaline or vulnerable soil or with vulnerable climatic conditions; — the risk to aquatic organisms. Conditions of authorisation shall include risk mitigation measures, where appropriate.'
Flutianil	Fungicide	14/04/2019	14/04/2029	Reg. (EU) 2019/481	Professional	958647-10-4	(Z)-[3-[2-methoxyphenyl]-1,3-thiazolidin-2-ylidene](α,α, α,4-tetrafluoro-m-tolylthio)acetonitrile	≥ 985 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on flutianil, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators and workers, — the risk to aquatic organisms, — the risk to groundwater from metabolites, if the substance is applied under vulnerable soil or climatic conditions. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit to each competent authority confirmatory information as regards: 1. the technical specification of the active substance as manufactured (based on commercial scale production) and the compliance of the toxicity batches with the confirmed technical specification; 2. the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or ground water is abstracted for drinking water; 3. an updated assessment of the information submitted and, where relevant further information, confirming that flutianil is not an endocrine disruptor in accordance with Points 3.6.5 and 3.8.2 of Annex II of Regulation (EC) No 1107/2009, applying also the ECHA and EFSA guidance for identification of endocrine disruptors(2). The applicant shall submit the information: — referred to in point 1 by 14 April 2020; - referred to in point 2 within two years from the date of publication of a guidance document on the evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater; and — referred to in point 3 by 14 April 2021.
Flutolanil	Fungicide	01/03/2009	28/02/2024	2008/108, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg. EU 2019/2094	Professional	CAS No 66332-96-5	α,α,α-trifluoro-3'-isopropoxy-o-toluanilide	≥ 975 g/kg	PART A Only uses as fungicide may be authorised. PART B In assessing applications to authorise plant protection products containing flutolanil for uses other than potato tuber treatment, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on flutolanil, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 May 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation should include risk mitigation measures, where appropriate.
Flutriafol	Fungicide	01/06/2011	31/08/2024	2011/42/EU, Reg. (EU) 2018/1266, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 76674-21-0	(RS)-2,4'-difluoro-α-(1H- 1,2,4-triazol-1-ylmethyl)benzhydryl alcohol	≥ 920 g/kg (racemate) Relevant impurities: dimethyl sulphate: max content 0,1 g/kg dimethylformamide: max content 1 g/kg methanol: max content 1 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on flutriafol, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall: — pay particular attention to the protection of the workers' safety and ensure that conditions of use include the application of adequate personal protective equipment; — pay particular attention to the protection of the groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions; — pay particular attention to the long-term risk to insectivorous birds. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Fluxapyroxad	Fungicide	01/01/2013	31/05/2025	Reg. (EU) No 589/2012 (, Dossier complete 2010/672/EU), Reg (EU) 2020/2007	Professional	907204-31-3	3-(difluoromethyl)-1-methyl-N- (3',4',5'-trifluorobiphenyl-2-yl) pyrazole-4-carboxamide	≥ 950 g/kg The impurity toluene must not exceed 1 g/kg in the technical material	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fluxapyroxad, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 June 2012 shall be taken into account. In this overall assessment competent authorities shall 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 purity given in this entry is based on a pilot plant production.
Folpet	Fungicide	01/10/2007	31/07/2024	07/5/EC, Reg.(EU) 2018/917, Reg.(EU) 540/2011, Reg. (EU) 2020/869	Professional	CAS No 133-07-3	N-(trichloromethylthio) phthalimide	≥ 940 g/kg Impurities: Perchloromethylmercaptan (R005406): not more than 3,5 g/kg Carbon tetrachloride not more than 4 g/kg	PART A Only uses as fungicide can be authorised. PART B In assessing applications to authorise plant protection products containing folpet for uses other than winter wheat competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on folpet, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 29 September 2006 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — operators and workers safety. Authorised conditions of use must prescribe the application of adequate personal protective equipment; — the dietary exposure of consumers in view of future revisions of Maximum Residue Levels; — the protection of birds, mammals, aquatic and soil organisms. Conditions of authorisation should include risk mitigation measures.
Foramsulfuron	Herbicide	01/06/2020	31/05/2035	03/23/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012 (, Reg. (EU) 2016/950,, Reg. (EU) 2017/841) Reg EU) 2020/616	Professional	Cas No 173159-57-4	1-(4,6-dimethoxypyrimidin-2-yl)-3-[2-(dimethylcarbamoyl)-5-formamidophenylsulfonyl] urea	≥ 973 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on foramsulfuron, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment the competent authority shall pay particular attention to: — the risk to consumers and operators, — the risk to aquatic organisms and non-target plants. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards the effect of water treatment processes on the nature of residues present in surface water and groundwater, when surface water or groundwater is abstracted for drinking water, within two years after adoption of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Forchlorfenuron	Plant growth regulator	01/06/2018	31/05/2033	06/10/EC, Reg. (EU) No 540/2011, Reg.(EU) No 2018/679 (, Reg. (EU) 2017/1511,, Reg. (EU) No 533/2013)	Professional	CAS No 68157-60-8	1-(2-chloro-4-pyridinyl)-3-phenylurea	≥ 978 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on forchlorfenuron, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk to consumers as regards the potential risk from metabolites in fruit crops with edible peels. Conditions of use shall include risk mitigation measures, where appropriate.

Formetanate	Insecticide, Acaricide	01/10/2007	31/07/2024	07/5/EC, Reg. (EU) 540/2011, Reg. (EU) 2018/917, Reg. (EU) 2020/869	Professional	CAS No 23422-53-9		3-dimethylaminomethyleneaminophenyl methylcarbamate	≥ 910 g/kg	PART A Only uses as insecticide and acaricide may be authorised. PART B In assessing applications to authorise plant protection products containing formetanate for uses other than in field tomatoes and ornamental shrubs competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on formetanate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 29 September 2006 shall be taken into account. In this overall assessment competent authorities: — must pay particular attention to the protection of birds, mammals, non-target arthropods and bees and must ensure that the conditions of authorisation include, where appropriate, risk mitigation measures; — must pay particular attention to the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment; — must pay particular attention to the dietary exposure of consumers in view of future revisions of Maximum Residue Levels.
Fosetyl	Fungicide	01/05/2007	30/04/2024	06/64/EC, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 678/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	CAS No 15845-66-6		Ethyl hydrogen phosphonate	≥ 960 g/kg (expressed as fosetyl-Al)	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fosetyl, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 4 April 2006 shall be taken into account. In this overall assessment competent authorities: — must pay particular attention to the protection of birds, mammals, aquatic organisms and non-target arthropods. Conditions of authorisation should include risk mitigation measures, where appropriate, such as buffer zones.
Fosthiazate	Nematicide	01/01/2004	31/10/2024	03/84/EC, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012, reg. (EU) 2018/1262 (, Reg. (EU) 2016/950,, Reg. (EU) 2017/1511), Reg (EU) 2019/1589, Reg (EU) 2020/1511	Professional	CAS No 98886-44-3		(RS)-5-sec-butyl O-ethyl 2-oxo-1,3-thiazolidin-3-ylphosphonothioate	930 g/kg	Only uses as insecticide or nematicide may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fosthiazate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 4 July 2003 shall be taken into account. In this overall assessment competent authorities — should pay particular attention to the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climate conditions; — should pay particular attention to the protection of birds and wild mammals in particular if the substance is applied during the breeding season; — should pay particular attention to the protection of non-target soil organisms. Risk mitigation measures should be applied where appropriate. In order to mitigate the potential risk to small birds, product authorisations must require that a very high level of incorporation of granules into soil is achieved.
Fructose	Elicitor	01/10/2015		Reg. (EU) 2015/1392, Reg. (EU) No 540/2011	General	57-48-7		β-D-fructofuranose	Food grade	Only uses as basic substance being an elicitor of the crop's natural defence mechanisms are approved. Fructose shall be used in accordance with the specific conditions included in the conclusions of the review report on fructose (SANCO/12680/2014) and in particular Appendices I and II thereof.'
Gamma-cyhalothrin	Insecticide	01/04/2015	31/03/2025	Reg. (EU) No 1334/2014 (, Dossier complete 04/684/EC), Reg (EU) 2020/1295	Professional	76703-62-3		(S)-α-cyano-3-phenoxybenzyl (1R,3R)-3-[(Z)-2-chloro-3,3,3- trifluoropropenyl]-2,2-dimethylcyclopropanecarboxylate or (S)-α-cyano-3-phenoxybenzyl (1R)-cis-3-[(Z)-2-chloro-3,3,3-trifluoropropenyl]-2,2-dimethylcyclopropanecarboxylate	≥ 980 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on gamma-cyhalothrin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 10 October 2014 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the safety of operators and workers; (b) the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Garlic extract	Repellant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	General	CAS No 8008-99-9		Food grade garlic juice concentrate	≥ 99,9 %	PART A Only uses as repellent, insecticide and nematicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on garlic extract (SANCO/2612/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Geraniol	Fungicide	01/12/2013	30/11/2026	Reg. (EU) No 570/2013 (, Dossier complete 2011/266/EU,, Reg. (EC) No 647/2001)	General	106-24-1		(E) 3,7-dimethyl-2,6-octadien-1-ol	≥ 980 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on geraniol, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 May 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to — the protection of operators, workers, bystanders and residents, ensuring that conditions of use include the application of adequate personal protective equipment, where appropriate; — the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions; — the risk to aquatic organisms; — the risk to birds and mammals. Conditions of use shall include risk mitigation measures, where appropriate.
Gibberellic acid	Plant growth regulator	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	Professional	CAS No 77-06-5		(3S,3aS,4S,4aS,7S,9aR,9bR, 12S)-7,12-dihydroxy-3-methyl-6-methylene-2- oxoperhydro-4a,7- methano-9b,3- propenol[1,2-b]furan-4- carboxylic acid Alt: (3S,3aR,4S,4aS,6S,8aR,8bR,11S)-6,11-dihydroxy-3-methyl-12-methylene-2- oxo-4a,6-methano-3,8b-prop-lenoperhydroindenol (1,2-b) furan-4-carboxylic acid	≥ 850 g/kg	PART A Only uses as plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on gibberellic acid (SANCO/2613/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Gibberellin	Plant growth regulator	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	Professional	GA4: 468- 44-0 GA7: 510-75-8 GA4A7 mixture: 8030- 53-3		GA4: (3S,3aR,4S,4aR,7R,9aR,9bR,12S)-12-hydroxy-3-methyl-6-methylene-2- oxoperhydro-4a,7- methano-3,9b-propanoazuleno[1,2-b]furan-4- carboxylic acid GA7: (3S,3aR,4S,4aR,7R,9aR,9bR,12S)-12-hydroxy-3-methyl-6-methylene-2- oxoperhydro-4a,7- methano-9b,3-propenoazuleno[1,2-b]furan-4- carboxylic acid	Review report (SANCO/2614/2008).	PART A Only uses as plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on gibberellins (SANCO/2614/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Gliocladium catenulatum strain J1446	Fungicide	01/04/2019	31/03/2034	05/2/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011 (, Reg. (EU) 2017/841), Reg. (EU) 2019/151	Professional		Accession number in the culture collection of the German Collection of Microorganisms and Cell Cultures (DSMZ): DSM 9212	Not applicable		For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on Clonostachys rosea strain J1446, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: —the specification of technical material as commercially manufactured in plant protection products, including full characterisation of potential metabolites of concern; — the protection of operators and workers, taking into account that microorganisms are considered as potential sensitizers, ensuring that adequate personal protective equipment is included as a condition of use; — the studies or information from the scientific literature recently made available in relation to antifungal susceptibility of Clonostachys rosea J1446. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer, in order to ensure the fulfilment of the limits on microbial contamination as referred to in the Working Document SANCO/12116/2012(*). Conditions of use shall include risk mitigation measures, where appropriate.
Glyphosate	Herbicide	16/12/2017	31/12/2022	Reg. (EU) 2017/2324, Reg. (EU) No 540/2011 (, 01/99/EC,, 2010/77/EU,, Reg. (EU) 2015/1885,, Reg. (EU) 2016/1056,, Reg. (EU) 2016/1313)	General	CAS No 1071-83-6		N-(phosphonomethyl)-glycin	≥ 950 g/kg Impurities: Formaldehyde, less than 1 g/kg N-Nitroso-glyphosate, less than 1 mg/kg	Only uses as herbicide may be authorised. For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on glyphosate, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: —the protection of the groundwater in vulnerable areas, in particular with respect to non-crop uses, — the protection of operators and amateur users, — the risk to terrestrial vertebrates and non-target terrestrial plants, —the risk to diversity and abundance of non-target terrestrial arthropods and vertebrates via trophic interactions, —compliance of pre-harvest uses with good agricultural practices. Conditions of use shall include risk mitigation measures, where appropriate. competent authorities shall ensure that use of plant protection products containing glyphosate is minimised in the specific areas listed in Article 12(a) of Directive 2009/128/EC. competent authorities shall ensure equivalence between the specifications of the technical material, as commercially manufactured, and those of the test material used in the toxicological studies. competent authorities shall ensure that plant protection products containing glyphosate do not contain the co-formulant POE-tallowamine (CAS No 61791-26-2).
Halauxifen-methyl	Herbicide	05/08/2015	05/08/2025	Reg. (EU) 2015/1165, Reg. (EU) No 540/2011	Professional	943831-98-9		methyl 4-amino-3-chloro-6- (4-chloro-2-fluoro-3-methoxyphenyl)pyridine-2-carboxylate	≥ 930 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on halauxifen-methyl, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — The risk to aquatic and non-target terrestrial plants. Conditions of use shall include risk mitigation measures, where appropriate.
Halosulfuron methyl	Herbicide	01/10/2013	30/09/2026	Reg. (EU) No 356/2013 (, 2012/363/EU,, Dossier complete 06/586/EC), Reg (EU) 2020/1295	Professional	100785-20-1		methyl 3-chloro-5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate	≥ 980 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on halosulfuron-methyl, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 March 2013, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk of leakage to groundwater of the metabolite 'halosulfuron rearrangement' (HSR) (2) under vulnerable conditions. This metabolite is considered toxicologically relevant based on the available information for halosulfuron, — the risk to non-target terrestrial plants. Conditions of use shall include risk mitigation measures, where appropriate.
Helicoverpa armigera nucleopolyhedrovirus (HearNPV)	Insecticide	01/06/2013	31/05/2026	Reg. (EU) No 368/2013 (, Dossier complete 07/560/EC)	Professional		DSMZ number: BV-0003		Minimum concentration: 1,44 × 1013 OB/l (occlusion bodies/l)	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Helicoverpa armigera nucleopolyhedrovirus, and in particular Appendices I and II thereto, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 March 2013, shall be taken into account.
Heptamaloxyloglucan	Elicitor	01/06/2010	31/05/2024	2010/14/EU, Reg. (EU) 2017/1527, Reg. (EU) No 540/2011	Professional	870721-81-6		Full IUPAC name in footnote (1) (Further details on identity and specification of active substances are provided in their review reports.) Xyl p: xylopyranosyl Glc p: glucopyranosyl Fuc p: fucopyranosyl Gal p: galactopyranosyl Glc-ol: glucitol	≥ 780 g/kg The impurity Patulin must not exceed 50 µg/kg in the technical material.	PART A Only uses as plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on heptamaloxyloglucan, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 27 November 2009 shall be taken into account

Hexythiazox	Acaricide, Insecticide	01/06/2011	31/08/2024	2011/46/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 78587-05-0	(4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide	≥ 976 g/kg (1:1 mixture of (4R, 5R) and (4S, 5S))	PART A Only uses as acaricide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on hexythiazox, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate;— the operators and workers safety. Conditions of use shall include protective measures, where appropriate. The competent authorities concerned shall request the submission of confirmatory information as regards: (a) the toxicological relevance of the metabolite PT-1-3 (14); (b) the potential occurrence of the metabolite PT-1-3 in processed commodities; (c) the potential adverse effects of hexythiazox on bee brood; (d) the possible impact of the preferential degradation and/or conversion of the mixture of isomers on the worker risk assessment, the consumer risk assessment and the environment. The applicant must submit to each competent authority the information set out in point (d) within two years after the issuing of specific guidance.
Hydrogen peroxide	Bactericide, Fungicide	29/03/2017		2007/442, Reg. (EU) 2017/409	General	7722-84-1	Hydrogen peroxide	Solution in water (< 5 %) The hydrogen peroxide used to manufacture the solution shall have a purity according to the FAO JECFA specifications.	Hydrogen peroxide shall be used in accordance with the specific conditions included in the conclusions of the review report on hydrogen peroxide (SANTE/11900/2016) and in particular Appendices I and II thereof.
Hydrolysed proteins	Insecticide	01/09/2009	31/08/2024	2009/153/EC, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 571/2012, Reg (EU) No 2020/1160	General	CAS No not allocated	Not available	Review report (SANCO/2615/2008)	PART A Only uses as attractant may be authorised. Hydrolysed proteins of animal origin must be in compliance with Regulation (EC) No 1069/2009 (**) and Commission Regulation (EU) No 142/2011 (***).PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on hydrolysed proteins (SANCO/2615/08) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 June 2012 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the operator and worker safety; conditions of use shall include the application of adequate personal protective equipment, where appropriate. Conditions of use shall include, where appropriate, risk mitigation measures.
Hymexazol	Fungicide	01/06/2011	31/05/2026	2011/5/EU, Reg.(EU) No 2018/1266, Reg.(EU) No 540/2011	Professional	CAS No 10004-44-1	5-methylisoxazol-3-ol (or 5-methyl-1,2-oxazol-3-ol)	≥985 g/kg	PART A Only uses as fungicide for seed pelleting of sugar beets in professional seed treatment facilities may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on hymexazol, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 November 2010 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the operators and workers safety. Conditions of authorisation shall include protective measures, where appropriate, — the risk to granivorous birds and mammals. Conditions of use shall include risk mitigation measures, where appropriate.
Imazalil (aka enilconazole)	Fungicide	01/01/2012	31/12/2024	Reg. (EU) No 705/2011 (, 1997/73/EC,, 2007/21/EC,, 2010/57/EU,, Reg. (EU) No 540/2011), Reg. (EU) No 2019/291	General	CAS No 35554-44-0 73790-28-0 (replaced)	(RS)-1-(β-allyloxy- 2,4-dichlorophenethyl)imidazole or allyl (RS)-1-(2,4-dichlorophenyl)-2-imidazol-1-ylethyl ether	≥ 950 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on imazalil, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011 shall be taken into account. In this overall assessment competent authorities shall: (1) pay particular attention to the fact that the specification of the technical material as commercially manufactured must be confirmed and supported by appropriate analytical data. The test material used in the toxicity dossiers should be compared and verified against this specification of the technical material; (2) pay particular attention to the acute dietary exposure situation of consumers in view of future revisions of maximum residue levels; (3) pay particular attention to the operators and workers safety. Authorised conditions of use must prescribe the application of adequate personal protective equipment and risk mitigation measures to reduce the exposure; (4) ensure that appropriate waste management practices to handle the waste solution remaining after application, such as the cleaning water of the drenching system and the discharge of the processing waste are put in place. Prevention of any accidental spillage of treatment solution. competent authorities permitting the release of waste water into the sewage system shall ensure that a local risk assessment is carried out; (5) pay particular attention to risk to aquatic organisms and soil micro- organisms and long-term risk to granivorous birds and mammals. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Imazamox	Herbicide	01/11/2017	31/01/2025	Reg. (EU) 2017/1531, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012 (, 03/23/EC,, Reg. (EU) 2016/950,, Reg. (EU) 2017/841), Reg (EU) 2020/2007	Professional	CAS No 114311-32-9	2-[(RS)-4-isopropyl-4- methyl-5-oxo-2-imidazolin-2-yl]-5-methoxymethylnicotinic acid	≥ 950 g/kg The impurity cyanide ion (CN–) shall not exceed 5 mg/kg in the technical material.	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on imazamox, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of consumers; — the protection of aquatic plants, and of non-target terrestrial plants; — the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation shall include risk mitigation measures and monitoring programs shall be initiated to verify potential groundwater contamination from imazamox and metabolites CL 312622 and CL 354825 in vulnerable zones, where appropriate.
Imidacloprid	Insecticide	01/01/2022	31/01/2025	Control of Poisonous Substances (Guernsey) Regulations 2014	Licensed	138261-41-3	*N* -[1-[(6-Chloro-3-pyridyl)methyl]-4,5-dihydroimidazol-2-yl]nitramide	≥ 950 g/kg	For use only to control chafer grubs and leatherjackets in amenity and turf management when other methods of control have been unsuccessful and when recommended by a BASIS adviser. One application licensed application maximum per year, additional permit required from water regulator.
Indolylbutyric acid	Plant growth regulator	01/06/2011	31/05/2026	2011/28/EU, Reg.(EU) No 2018/1266, Reg.(EU) No 540/2011 (, 2008/941/EC)	General	CAS No 133-32-4	4-(1H-indol-3-yl)butyric acid	≥ 994 g/kg	PART A Only uses as plant growth regulator in ornamentals may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on indolylbutyric acid, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 January 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the operators and workers safety. Conditions of authorisation shall include the application of adequate personal protective equipment and risk mitigation measures to reduce the exposure.
Indoxacarb	Insecticide	01/04/2006	31/10/2024	06/10/EC, Reg. (EU) 2018/1262, Reg. (EU) No 540/2011 (, Reg. (EU) No 2017/1511,, Reg. (EU) No 533/2013), Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 173584-44-6	methyl (S)-N-[7-chloro-2,3,4a,5-tetrahydro-4a-(methoxycarbonyl)indeno[1,2-e][1,3,4]oxadiazin-2-ylcarbonyl]-4'-(trifluoromethoxy)carbanilate	TC (Technical Material): ≥ 628 g/kg indoxacarb	PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on indoxacarb, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 September 2005 shall be taken into account. In this overall assessment competent authorities must pay particular attention to the protection of aquatic organisms. Conditions of use should include risk mitigation measures, where appropriate.
Iodosulfuron	Herbicide	01/04/2017	31/03/2032	Reg. (EU) 2017/407, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012 (03/84/EC, Reg. (EU) 2016/950)	Professional	CAS No 185119-76-0 (parent) CAS No 144550-36-7 (iodosulfuron-methyl- sodium)	4-iodo-2-[(4-methoxy- 6-methyl-1,3,5-triazin- 2-yl) carbamoylsulfamoyl] benzoic acid (iodosulfuron) sodium ({[5-iodo- 2-(methoxycarbonyl) phenyl]sulfonyl} carbamoyl)(4-methoxy- 6-methyl-1,3,5- triazin- 2-yl)azanide (iodosulfuron-methyl-sodium)	≥ 910 g/kg (expressed as iodosulfuron- methyl- sodium)	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on iodosulfuron, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk to consumers, — the risk to non-target terrestrial plants, — the risk to aquatic plants. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit to each competent authority confirmatory information as regards: (1) the genotoxic potential of the metabolite triazine-amine (IN-A4098), in order to confirm that this metabolite is not genotoxic and not relevant for the risk assessment; (2) the effect of water treatment processes on the nature of residues present in drinking water. The applicant must submit to each competent authority the information set out in point (2) within two years after the issuing of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Ipconazole	Fungicide	01/09/2014	30/11/2024	Reg. (EU) No 571/2014 (, Dossier complete 08/20/EC), Reg (EU) 2020/1295, Reg (EU) 2020/2007	General	125225-28-7 (mixture of diastereoisomers) 115850-69-6 (ipconazole cc, cis isomer) 115937-89-8 (ipconazole ct, trans isomer)	(1RS,2SR,5RS;1RS,2SR,5SR)-2-(4-chlorobenzyl)-5-isopropyl- 1-(1H-1,2,4-triazol-1- yl methyl) cyclopentanol	≥ 955 g/kg Ipconazole cc: 875 – 930 g/kg Ipconazole ct: 65 – 95 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on ipconazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 March 2014 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: 1. the risk to granivorous birds; 2. the protection of workers and operators; 3. the risk to fish.Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards: (a) the acceptability of the long-term risk to granivorous birds; (b) the acceptability of the risk to soil macro-organisms; (c) the risk of enantio-selective metabolisation or degradation; (d) the potential endocrine disrupting properties of ipconazole for birds and fish.The applicant must submit to each competent authority - (a) the information set out in point (c) of the fourth paragraph within two years after the issuing of a specific guidance document on evaluation of isomer mixtures, and (b) the information set out in point (d) of the fourth paragraph within two years after the adoption of OECD or national test guidelines on endocrine disruption.
Iprovalicarb	Fungicide	01/04/2016	31/03/2031	02/48/EC, Reg. (EU) 2016/147, Reg. (EU) No 540/2011 (, 2010/77/EU,, Reg. (EU) 2015/1885)	Professional	CAS No 140923-17-7	isopropyl [(1S)-2- methyl-1-[[(1RS)-1-p-tolylethyl]carbamoyl] propyl]carbamate	≥ 950 g/kg Impurities: Toluene: not more than 3 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on iprovalicarb, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: —the protection of groundwater from the relevant soil metabolite PMPA(*) when the active substance is applied in regions with low clay containing soil types, — the safety of operators and workers, —the protection of aquatic organisms in the case of formulated products containing other active substances. Conditions of use shall include risk mitigation measures, where appropriate.
Iron sulphate	Herbicide	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 637/2012, Reg (EU) No 2020/1160	General	Iron(II)sulfate anhydrous: CAS No 7720-78-7 Iron(II)sulfate monohydrate: CAS No 17375-41-6 Iron(II)sulfate heptahydrate: CAS No 7782-63-0	Iron(II)sulphate or iron(2+) sulfate	Iron(II)sulfate anhydrous: ≥ 350 g/kg total iron. Relevant impurities: arsenic, 18 mg/kg cadmium, 1,8 mg/kg chromium, 90 mg/kg lead, 36 mg/kg mercury, 1,8 mg/kg expressed on the basis of the anhydrous variant	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the amended review report on iron sulphate (SANCO/2616/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 June 2012 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk for operator; — the risk to children/residents playing on treated turf; — the risk to surface waters and to aquatic organisms. Conditions of use shall include, where appropriate, risk mitigation measures and the application of adequate personal protective equipment.
Isaria fumosorosea Apopka strain 97 (formely Paecilomyces fumosoroseus)	Insecticide	01/01/2016	31/12/2030	Reg. (EU) 2015/306, Reg. (EU) No 540/2011 (, 01/47/EC)	Professional	Deposited in the American Type Culture Collection (ATCC) under the name Paecilomyces fumosoroseus Apopka ATCC 20874	Not applicable	Minimum concentration: 1,0 × 108 CFU/ml Maximum concentration: 2,5 × 109 CFU/ml	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Isaria fumosorosea strain Apopka 97, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 12 December 2014, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Isaria fumosorosea strain Apopka 97 is to be considered as a potential sensitiser. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer.

Isofetamid	Fungicide	15/09/2016	15/09/2026	Reg. (EU) 2016/1425, Reg. (EU) 540/2011	Professional	875915-78-9	N-[1,1-dimethyl-2-(4- isopropoxy-o-tolyl)-2-oxoethyl]-3-methylthiophene-2-carboxamide	≥ 950 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on isofetamid, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to operators, workers and aquatic organisms, in particular fish. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit to each competent authority confirmatory information as regards: (1) the technical specification of the active substance as manufactured (based on commercial scale production) including the relevance of impurities; (2) the compliance of the toxicity and ecotoxicity batches with the confirmed technical specification; (3)the effect of water treatment process chlorination on the nature of residues, including the potential for the formation of chlorinated residues that may be formed from residues present in surface water, when surface water is abstracted for drinking water. The applicant shall submit to each competent authority the information set out in point (3) within two years after the issuing of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Isopyrazam	Fungicide	01/04/2013	31/03/2026	Reg. (EU) 2015/1106, Reg. (EU) No 1037/2012 (, Dossier complete 2010/132/EU)	Professional	881685-58-1 (syn-isomer: 683777-13-1/ anti-isomer: 683777-14-2)	A mixture of 3-(difluoromethyl)-1- methyl-N-[(1RS,4SR,9RS)-1,2,3,4- tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]pyrazole-4-carboxamide (syn-isomer – 50:50 mix of two enantiomers) and 3-(difluoromethyl)-1-methyl-N- [(1RS,4SR,9SR)-1,2,3,4-tetrahydro-9- isopropyl-1,4-methanonaphthalen-5- yl]pyrazole-4-carboxamide (anti-isomer– 50:50 mix of two enantiomers) In a range of 78:15 % to 100:0 % syn to anti.	≥ 920 g/kg In a range of 78:15 % to 100:0 % syn- to anti-isomers	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on isopyrazam, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 September 2012 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to aquatic organisms; (b) the risk to earthworms if the substance is applied in the framework of no cultivation/minimum cultivation practices; (c) the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of use shall include risk mitigation measures, like the exclusion of no cultivation/minimum cultivation practices, and the obligation to carry out monitoring programmes to verify potential groundwater contamination in vulnerable zones, where appropriate.
Isoxaben	Herbicide	01/06/2011	31/08/2024	2011/32/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 82558-50-7	N-[3-(1-ethyl-1-methylpropyl)-1,2-oxazol-5-yl]-2,6-dimethoxybenzamide	≥ 910 g/kg Toluene: ≤ 3 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on isoxaben, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 January 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to aquatic organisms, the risk to non-target terrestrial plants and the potential leaching of metabolites to groundwater. Conditions of use shall include risk mitigation measures, where appropriate.
Isoxaflutole	Herbicide	01/08/2019	31/07/2034	03/68/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012 (, Reg. (EU) 2016/950,, Reg. (EU) 2017/841)	Professional	CAS No 141112-29-0	5-cyclopropyl-1,2-oxazol-4-yl](α,α,α-trifluoro-2-mesyl-p-tolyl) methanone	≥ 972 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on isoxaflutole, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment, competent authorities shall pay particular attention to: — the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions, — the protection of aquatic organisms, wild mammals and non-target terrestrial plants. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit to each competent authority confirmatory information as regards the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or groundwater is abstracted for drinking water. The applicant shall submit this information within 2 years from the date of publication of a guidance document on the evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater. The applicant shall also provide an updated assessment to confirm that isoxaflutole is not an endocrine disruptor within the meaning of points 3.6.5 and 3.8.2 of Annex II to Regulation (EC) No 1107/2009, as amended by Commission Regulation (EU) 2018/605 and in accordance with the guidance for the identification of endocrine disruptors (2) by 10 May 2021.
Kieselgur (diatomaceous earth)	Insecticide	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 1089/2013, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	General	CAS No 61790-53-2	Kieselgur (no IUPAC name) Diatomaceous earth Amorphous silicon dioxide Silica Diatomite	The product consists of 100 % diatomaceous earth. Maximum 0,1 % of particles of crystalline silica with diameter below 50 µm	PART A Only indoor uses as insecticide and acaricide by professional users may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on kieselgur (diatomaceous earth) (SANCO/2617/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 October 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the safety of operators and workers. Conditions of use shall include the application of adequate personal and respiratory protective equipment. Where necessary, conditions of use shall prohibit the presence of workers after application of the product concerned for a period appropriate in view of the risks caused by that product.
Kresoxim-methyl	Fungicide	01/01/2012	31/12/2024	Reg. (EU) No 540/2011, Reg. (EU) No 810/2011 (, 2007/21/EC,, 99/01/EC), Reg. (EU) No 2019/291	Professional	CAS No 143390-89-0	Methyl (E)-2-methoxyimino-2-[2-(o-tolyloxymethyl) phenyl]acetate	≥ 910 g/kg Methanol: max. 5 g/kg Methyl chloride: max. 1 g/kg Toluene: max. 1 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on kresoxim-methyl and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011, shall be taken into account. competent authorities shall pay particular attention to the protection of groundwater under vulnerable conditions; the conditions of authorisation shall include, where appropriate, risk mitigation measures.
lambda-Cyhalothrin	Insecticide	01/04/2016	31/03/2026	00/80/EC, Reg. (EU) 2016/146, Reg. (EU) No 540/2011 (, 2010/77/EU,, Reg. (EU) 2015/1885)	General	91465-08-6	A 1:1 mixture of: (R)-α-cyano-3-phenoxybenzyl (1S,3S)-3-[(Z)-2- chloro-3,3,3-trifluoropropenyl]-2,2-dimethylcyclopropanecarboxylate and (S)-α-cyano-3-phenoxybenzyl (1R,3R)-3- [(Z)-2-chloro-3,3,3-trifluoropropenyl]-2,2-dimethylcyclopropanecarboxylate or of (R)-α-cyano-3-phenoxybenzyl (1S)-cis-3-[(Z)-2-chloro- 3,3,3-trifluoropropenyl]-2,2-dimethylcyclopropanecarboxylate and (S)-α-cyano-3-phenoxybenzyl (1R)-cis-3-[(Z)-2- chloro-3,3,3-trifluoropropenyl]-2,2-dimethylcyclopropanecarboxylate	900 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on lambda-cyhalothrin, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the: (a) protection of operators, workers and bystanders; (b) metabolites potentially formed in processed commodities; (c) risk to aquatic organisms, mammals and non-target arthropods. Conditions of use shall include risk mitigation measures, where appropriate.
Laminarin	Elicitor	01/03/2018	28/02/2033	Reg. (EU) 2018/112, Reg. (EU) No 540/2011 (, 05/3/EC,, Reg. (EU) 2017/841)	Professional	CAS No 9008-22-4	(1→3)-β-D-glucan (according to IUPAC-IUB Joint Commission on Biochemical Nomenclature)	≥ 860 g/kg on dry matter (TC)	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on laminarin, and in particular Appendices I and II thereto, shall be taken into account. Conditions of use shall include risk mitigation measures, where appropriate.
L-Ascorbic acid	Fungicide	01/07/2014	30/09/2024	Reg. (EU) No 149/2014 (, Dossier complete 05/751/EC), Reg (EU) 2020/2007	General	50-81-7	(5R)-5-[(1S)-1,2-dihydroxyethyl]- 3,4-dihydroxyfuran-2(5H)-one	≥ 990 g/kg The following relevant impurities shall not exceed: Methanol: ≤ 3 g/kg Heavy Metals: ≤ 10 mg/kg (expressed as Pb)	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on L-ascorbic acid, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 13 December 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to aquatic and soil organisms; (b) the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of use shall include risk mitigation measures, where appropriate.
Lavandulyl senecioate		03/06/2020	03/06/2035	Reg. (EU) 2020/646	General	CAS No: 23960-07-8	(RS)-5-methyl-2-(prop-1-en- 2-yl)hex-4-en-1-yl 3-methylbut-2-enoate	≥ 894 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Lavandulyl senecioate, and in particular Appendices I and II thereto, shall be taken into account. The competent authority shall assess any extension of the use pattern beyond passive dispensers, in order to establish whether the proposed extensions of use fulfil the requirements of Article 29(1) of Regulation (EC) No 1107/2009 and of the uniform principles laid down in Commission Regulation (EU) No 546/2011 (2).
L-cysteine		02/06/2020		Reg. (EU) 2020/642	General	CAS No: 52-89-1 EINECS: 200-157-7 (L-cysteine hydrochloride) CAS No: 7048-04-6 EINECS: 615-117-8 (L-cysteine hydrochloride monohydrate)	L-cysteine hydrochloride (1:1)	Min. 98,0 % L-cysteine hydrochloride (on anhydrous basis) Food grade in conformity with Commission Regulation (EU) No 231/2012 (2). max. 1,5 mg/kg As max. 5 mg/kg Pb	L-cysteine (E 920) shall be used as a mixture with matrix (flour, food grade) at a concentration of maximum 8% (of L-cysteine hydrochloride, on anhydrous basis) in accordance with the specific conditions included in the conclusions of the review report on L-cysteine (SANTE/11056/2019) and in particular Appendices I and II thereto.
Lecanicillium muscarium (formerly Verticillium lecanii) strain Ve6	Insecticide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	(formerly Verticilium lecanii) STRAIN: Ve 6 Culture collection: No CABI (=IMI) 268317, CBS 102071, ARSEF 5128	Not applicable	No relevant impurities	PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Lecanicillium muscarium (formerly Verticillium lecanii) Ve 6 (SANCO/1861/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Lecithins	Fungicide	01/07/2015		Reg. (EU) 2015/1116, Reg. (EU) No 540/2011	General	8002-43-5 (Einecs 232-307-2)	Not allocated	As described in the Annex to Regulation (EU) No 231/2012.	Only uses as basic substance being a fungicide are approved. Lecithins shall be used in accordance with the specific conditions included in the conclusions of the review report on lecithins (SANCO/12798/2014) and in particular Appendices I and II thereof.'

Lenacil	Herbicide	01/01/2009	31/12/2024	Reg. (EU) 2020/1511, Reg. (EU) No 540/2011 (2008/69/EC, 2010/39/EU, Reg. (EU) 2018/1796, Reg. (EU) 2019/1589)	Professional	CAS No 2164-08-1	3-cyclohexyl-1,5,6,7-tetrahydrocyclopentapyrimidine-2,4(3H)-dione	≥ 975 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on lenacil, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 May 2010 shall be taken into account. In this overall assessment the competent authority must pay particular attention to: — the risk to aquatic organisms, especially algae and aquatic plants. Conditions of authorisation shall include risk mitigation measures, such as bufferzones between treated areas and surface water bodies; — the protection of the groundwater, where the active substance is applied in regions with vulnerable soil or climatic conditions. Conditions of authorisation shall include risk mitigation measures and monitoring programmes shall be initiated to verify potential groundwater contamination from the metabolites IN-KF 313, M1, M2 and M3 in vulnerable zones, where appropriate.The competent authority concerned shall ensure that the notifier submits to the competent authority confirmatory information on the identity and characterisation of soil metabolites Polar B and Polars and metabolites M1, M2 and M3 which occurred in lysimeter studies and confirmatory data on rotational crops, including possible phytotoxic effects. They shall ensure that the notifier provides such information to each competent authority by 30 June 2012. If a decision on the classification of lenacil under Regulation (EC) No 1272/2008 of the European Parliament and of the Council (3) identifies the need for further information on the relevance of the metabolites IN-KE 121, IN-KF 313, M1; M2, M3, Polar B and Polars, the competent authorities concerned shall request the submission of such information. They shall ensure that the notifier provides that information to the competent authority within six months from the notification of such a classification decision.
Lime sulphur (calcium polysulphid)	Fungicide, Insecticide, Acaricide	01/06/2011	31/08/2024	2011/43/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	General	CAS No 1344 - 81 - 6	Calcium polysulfide	≥ 290 g/Kg.	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on lime sulphur, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — operator safety and shall ensure that the conditions of authorisation include appropriate protective measures; — to the protection of aquatic organisms and non target arthropods and shall ensure that the conditions of use include risk mitigation measures as appropriate.
Malathion	Insecticide, Acaricide	01/05/2010	30/04/2025	2010/17/EU, Reg. (EU) 2017/1527, Reg. (EU) 2018/1495, Reg. (EU) No 540/2011	Professional	CAS No 121-75-5	diethyl (dimethoxyphosphinothioylthio)succinate or S-1,2-bis(ethoxycarbonyl)ethyl O,O- dimethyl phosphorodithioate racemate	≥ 950 g/kg Impurities: Isomalathion: not more than 2 g/kg	'PART A Only uses as an insecticide in greenhouses with a permanent structure may be authorised. Authorisations shall be limited to professional users. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on malathion, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. In this overall assessment, competent authorities must pay particular attention to: (a) releases from greenhouses, such as condensation water, drain water, soil or artificial substrate, in order to preclude risks to aquatic organisms; (b) the protection of pollinator colonies purposely placed in the greenhouse; (c) the protection of operators and workers, so as to ensure that the conditions of use prescribe the use of adequate personal protective equipment, where appropriate; (d) the protection of consumers in the case of processed commodities. Competent authorities shall ensure that malathion-based formulations are accompanied by the necessary instructions to avoid any risk of formation of isomalathion in excess of the permitted maximum quantities during storage and transport. Conditions of authorisation shall include risk mitigation measures and provide for adequate labelling of plant protection products.
Maleic hydrazide	Plant growth regulator	01/11/2017	31/10/2032	Reg. (EU) 2017/1506, Reg. (EU) No 540/2011 (, 03/31/EC,, Reg. (EU) 2016/950,, Reg. (EU) No 823/2012)	General	CAS No 123-33-1	6-hydroxy-2H-pyridazin-3-one	≥ 979 g/kg Until 1 November 2018, the impurity hydrazine shall not exceed 1 mg/kg in the technical material. From 1 November 2018, the impurity hydrazine shall not exceed 0,028 mg/kg in the technical material.	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on maleic hydrazide, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of consumers, — the operator and worker safety; the conditions of the use should include the application of adequate personal protective equipment. competent authorities shall ensure, where appropriate, that the label of the treated crops includes the indication that the crops were treated with maleic hydrazide, and the accompanying instructions to avoid exposure of the livestock. Conditions of use shall include risk mitigation measures, where appropriate.'
Maltodextrin	Insecticide	01/10/2013	30/09/2026	Reg. (EU) No 355/2013 (, 2013/38/EU,, Dossier complete 08/20/EC)	Professional	9050-36-6	None allocated	≥ 910 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on maltodextrin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 March 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the potential increased growth of fungi and possible presence of mycotoxins on the surface of treated fruits; (b) the potential risk to honeybees and non-target arthropods. Conditions of use shall include risk mitigation measures, where appropriate.
Mancozeb	Fungicide	01/07/2006	31/01/2024	Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011 (, 05/72/EC,, Reg. (EU) No 84/2018,, Reg. (EU) No 762/2013), Reg. EU 2019/2094	Professional	CAS No 8018-01-7 (formerly 8065-67-5)	Manganese ethylenebis (dithiocarbamate) (polymeric) complex with zinc salt	≥ 800 g/kg The manufacturing impurity ethylene thiourea is considered to be of toxicological concern and must not exceed 0,5 % of the mancozeb content	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on mancozeb, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 June 2005 shall be taken into account. competent authorities must pay particular attention to the potential for groundwater contamination when the active substance is applied in regions with vulnerable soils and/or extreme climatic conditions. competent authorities must pay particular attention to the residues in food and evaluate the dietary exposure of consumers. competent authorities must pay particular attention to the protection of birds, mammals, aquatic organisms and non-target arthropods and ensure that the conditions of authorisation include risk mitigation measures.
Mandestrobin	Fungicide	09/12/2015	09/12/2025	Reg. (EU) 2015/2085, Reg. (EU) No 540/2011	Professional	173662-97-0	(RS)-2-methoxy-N- methyl-2-[α-(2,5-xylyloxy)-o-tolyl]acetamide	≥ 940 g/kg (on a dry weight basis) Xylenes (ortho, meta, para), ethyl benzene max. 5 g/kg (TK)	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on mandestrobin, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk to aquatic organisms, — the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of use shall include risk mitigation measures, where appropriate.
Mandipropamid	Fungicide	01/08/2013	31/07/2026	Reg. (EU) No 188/2013 (, 2011/490/EU,, Dossier complete 06/589/EC)	Professional	374726-62-2	(RS)-2-(4-chlorophenyl)-N-[3-methoxy-4-(prop-2-ynyloxy)phenethyl]-2-(prop-2-ynyloxy)acetamide	≥ 930 g/kg The impurity N-[2-[4-[2-chloro-allyloxy]-3-methoxy-phenyl]-ethyl]-2-(4-chloro-phenyl)-2-prop-2-ynyloxy-acetamide is of toxicological relevance and shall not exceed 0,1 g/kg in the technical material.	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on mandipropamid, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 February 2013 shall be taken into account. Conditions of use shall include risk mitigation measures, where appropriate.
MCPA	Herbicide	01/05/2006	31/10/2024	05/57/EC, Reg. (EU) 2018/1262, Reg. (EU) No 540/2011 (, Reg. (EU) No 2017/1511,, Reg. (EU) No 762/2013), Reg (EU) 2019/1589, Reg. (EU) 2020/1511	General	CAS No 94-74-6	4-chloro-o-tolyloxyacetic acid	≥ 930 g/kg	PART A Only uses as herbicide may be authorised PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on MCPA, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 April 2005 shall be taken into account competent authorities should pay particular attention to the potential for groundwater contamination, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation should include risk mitigation measures, where appropriate competent authorities must pay particular attention to the protection of aquatic organisms and must ensure that the conditions of authorisation include risk mitigation measures, where appropriate, such as buffer zones.
MCPB	Herbicide	01/05/2006	31/10/2024	05/57/EC, Reg. (EU) 2018/1262, Reg. (EU) No 540/2011 (, Reg. (EU) No 2017/1511,, Reg. (EU) No 762/2013), Reg (EU) 2019/1589, Reg. (EU) 2020/1511	General	CAS No 94-81-5	4-(4-chloro-o-tolyloxy)butyric acid	≥ 920 g/kg	PART A Only uses as herbicide may be authorised PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on MCPB, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 April 2005 shall be taken into account competent authorities should pay particular attention to the potential for groundwater contamination, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation should include risk mitigation measures, where appropriate competent authorities must pay particular attention to the protection of aquatic organisms and must ensure that the conditions of authorisation include risk mitigation measures, where appropriate, such as buffer zones.
Mecoprop-P	Herbicide	01/06/2004	31/01/2024	Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012 (, 03/70/EC,, Reg. (EU) No 2016/2016,, Reg. (EU) No 84/2018), Reg. EU 2019/2094	General	CAS No 16484-77-8	(R)-2-(4-chloro-o-tolyloxy)-propionic acid	860 g/kg	Only uses as herbicide may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on mecoprop- P, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 April 2003 shall be taken into account. In this overall assessment: — competent authorities should pay particular attention to the potential for groundwater contamination, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation should include risk mitigation measures, where appropriate.
Mefentrifluconazole		20/03/2019	20/03/2029	Reg (EU) 2019/337	General	1417782-03-6	(2RS)-2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]-1- (1H-1,2,4-triazol-1-yl)propan-2-ol	≥ 970 g/kg The impurity N, N-dimethylformamide shall not exceed 0,5 g/kg in the technical material. The impurity toluene shall not exceed 1 g/kg in the technical material The impurity 1,2,4-(1H)-triazole shall not exceed 1 g/kg in the technical material	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on mefentrifluconazole, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators, ensuring that conditions of use include the application of adequate personal protective equipment; — the protection of aquatic organisms. Conditions of use shall include risk mitigation measures, such as buffer zones and/or vegetative strips, where appropriate. The applicant shall submit to each competent authority confirmatory information as regards: 1.the technical specification of the active substance as manufactured (based on commercial scale production) and the compliance of the toxicity batches with the confirmed technical specification; 2.the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or ground water is abstracted for drinking water. The applicant shall submit the information referred to in point 1 by 20 March 2020 and the information referred to in point 2 within two years from the date of publication of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Mepanipyrim	Fungicide	01/10/2004	30/04/2024	2004/62/EC, Reg. (EU) 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) 2016/2016), Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	CAS No 110235-47-7	N-(4-methyl-6-prop-1-ynylpyrimidin-2-yl)aniline	960 g/kg	Only uses as fungicide may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on mepanipyrim, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 30 March 2004 shall be taken into account. In this overall assessment competent authorities should pay particular attention to the protection of aquatic organisms. Risk mitigation measures should be applied where appropriate.

Mepiquat	Plant growth regulator	01/03/2009	28/02/2024	2008/108, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg. EU 2019/2094	Professional	CAS No 15302-91-7	1,1-dimethylpiperidinium chloride (mepiquat chloride)	≥ 990 g/kg	PART A Only uses as plant growth regulator may be authorised. PART B In assessing applications to authorise plant protection products containing mepiquat for uses other than in barley, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on mepiquat, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 May 2008 shall be taken into account. The competent authorities must pay particular attention to the residues in food of plant and animal origin and evaluate the dietary exposure of consumers.
Meptyldinocap	Fungicide	01/04/2015	31/03/2025	Reg. (EU) No 1330/2014 (, 2006/589/EC,, 2012/191/EU,, Reg. (EU) No 289/2014)	Professional	6119-92-2	Mixture of 75-100 % (RS)-2-(1-methylheptyl)- 4,6-dinitrophenyl crotonate and 25-0 % (RS)-2- (1-methylheptyl)-4,6- dinitrophenyl isocrotonate	≥ 900 g/kg (mixture of trans- and cis-isomers with a defined ratio range of 25:1 to 20:1) Relevant impurity: 2,6-dinitro-4-[(4RS)- octan-4-yl]phenyl (2E/Z)- but-2-enoate max content 0,4 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on meptyldinocap, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 16 May 2014 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to operators; (b) the risk to aquatic invertebrates. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards: (a) the groundwater exposure assessment for metabolites (3RS)-3-(2- hydroxy-3,5-dinitro-phenyl)-butanoic acid (X103317) and (2RS)-2- (2-hydroxy-3,5-dinitro-phenyl)-propionic acid (X12335709); (b)the possible impact of any preferential degradation and/or conversion of the mixture of isomers on the worker risk assessment, the consumer risk assessment and the environment. The applicant must submit to each competent authority the information set out in point (b) within two years after the issuing of specific guidance.
Mesosulfuron	Herbicide	01/07/2017	30/06/2032	Reg. (EU) 2017/755, Reg. (EU) No 540/2011 (, 03/119/EC,, Reg. (EU) 2016/2016,, Reg. (EU) No 823/2012)	Professional	CAS No 400852-66-6 CAS No 208465-21-8 (mesosulfuron-methyl)	Mesosulfuron-methyl: methyl-2-[(4,6-dimethoxypyrimidin-2-ylcarbamoyl)sulfamoyl]-α-(methanesulfonamido)-p-toluate Mesosulfuron: 2-[(4,6-dimethoxypyrimidin-2- ylcarbamoyl)sulfamoyl]-α- methanesulfonamido-p-toluic acid	≥ 930 g/kg (expressed as mesosulfuron-methyl)	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on mesosulfuron and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of aquatic organisms and non-target terrestrial plants; — the protection of groundwater. Conditions of use shall include risk mitigation measures, where appropriate. The applicant must submit to each competent authority confirmatory information as regards the effect of water treatment processes on the nature of residues present in surface and groundwater within two years after the issuing of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Mesotrione	Herbicide	01/06/2017	31/05/2032	Reg. (EU) 2017/725, Reg. (EU) No 540/2011 (, 03/68/EC,, Reg. (EU) 2016/950,, Reg. (EU) No 823/2012)	Professional	104206-82-8	Mesotrione 2-(4-mesyl-2-nitrobenzoyl) cyclohexane-1,3-dione	≥ 920 g/kg R287431 max 2 mg/kg R287432 max 2 g/kg 1,2-dichloroethane max 1 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on mesotrione, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators, — the protection of groundwater in vulnerable regions, — the protection of mammals, aquatic and non-target plants. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards: 1. the genotoxic profile of the metabolite AMBA; 2.the potential endocrine disrupting mode of action of the active substance in particular level 2 and 3 tests, currently indicated in the OECD Conceptual framework (OECD 2012) and analysed in the EFSA Scientific opinion on the hazard assessment of endocrine disruptors; 3.the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or groundwater are abstracted for drinking water. The applicant must submit to each competent authority the information set out in point (3) within two years after the issuing of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Metaflumizone	Insecticide	01/01/2015	31/12/2024	Reg. (EU) No 922/2014 (, 2013/205/EU,, Dossier complete)	Professional	139968-49-3	(EZ)-2'-[2-(4-cyanophenyl)-1- (α,α,α-trifluoro-m-tolyl)ethylidene]-4-(trifluoromethoxy) carbanilohydrazide	≥ 945 g/kg (90-100 % E-isomer 10-0 % Z-isomer) The following relevant impurities shall not exceed a certain threshold: Hydrazine ≤ 1 mg/kg 4-(trifluoromethoxy)phenyl isocyanate ≤ 100 mg/kg Toluene ≤ 2 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metaflumizone, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 11 July 2014 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to fish and sediment dwelling organisms; (b) the risk to snail- or earthworm-eating birds. Conditions of use shall include risk mitigation measures, where appropriate.
Metalaxyl	Fungicide	01/07/2010	30/06/2026	Reg. (EU) 2017/2069, Reg. (EU) No 540/2011 (, 2010/28/EU,, Reg. (EU) 2015/1885)	Professional	CAS No 57837-19-1	Methyl N-(methoxyacetyl)-N-(2,6-xylyl)-DL-alaninate	950 g/kg The impurity 2,6- dimethylaniline was considered of toxicological concern and a maximum level of 1 g/kg is established.	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metalaxyl, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 12 March 2010 shall be taken into account. competent authorities must pay particular attention to the potential contamination of groundwater by the active substance or its degradation products CGA 62826 and CGA 108906 when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Risk mitigation measures should be applied where appropriate.
Metalaxyl-M	Fungicide	01/06/2020	31/05/2035	02/64/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011 (, 2010/77/EU,, Reg. (EU) 2015/1885,, Reg. (EU) 2016/549,, Reg. (EU) 2017/841), Reg. (EU) 2020/617	Professional	CAS No 70630-17-0 (R)	methyl N-(methoxyacetyl)-N- (2,6-xylyl)-D-alaninate	≥ 920 g/kg The following impurities are of toxicological concern and must not exceed the following levels in the technical material: 2,6-dimethylphenylamine: max. content 0,5 g/kg 4-methoxy-5-methyl-5H-[1,2]oxathiole 2,2-dioxide: max. content 1 g/kg 2-[(2,6-dimethyl- phenyl)-(2-methoxyacetyl)-amino]-propionic acid 1-methoxycarbonyl-ethyl ester: max. content 0,18 g/kg	When used for seed treatment, only the treatment of seeds intended to be sown in greenhouses may be authorised. For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metalaxyl-M, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment the Competent Authority shall pay particular attention to: — the specification of the technical material as commercially manufactured; — the protection of operators and workers, ensuring that the conditions of use prescribe the use of adequate personal protective equipment, where appropriate; — the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions; — the protection of non-target arthropods, birds and mammals. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit to the Competent Authority an updated assessment of the information submitted and, where relevant, further information to confirm the absence of endocrine activity in accordance with points 3.6.5 and 3.8.2 of Annex II to Regulation (EC) No 1107/2009, as amended by Commission Regulation (EU) 2018/605 (2) by 26 May 2022.
Metaldehyde	Molluscicide	01/06/2011	31/05/2026	2011/54/EU, Reg. (EU) 2018/1266, Reg. (EU) No 540/2011	Licensed	CAS No 108-62-3 (tetramer) 9002-91-9 (homopolymer)	r-2, c-4, c-6, c-8-tetramethyl-1,3,5,7- tetroxocane	≥ 985 g/kg acetaldehyde max. 1,5 g/kg	PART A Only uses as molluscicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metaldehyde, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk to operators and workers; — the dietary exposure situation of consumers in view of future revision of maximum residue levels; — the acute risk and long term risk to birds and mammals. competent authorities shall ensure that authorisations shall contain an effective dog repellent agent. Conditions of use shall include risk mitigation measures, where appropriate.
Metam (incl. -potassium and -sodium)	Fungicide, Insecticide, Herbicide, Nematicide	01/07/2012	30/06/2025	Reg. (EU) No 359/2012, Reg. (EU) No 540/2011 (, 2009/562)	Professional	144-54-7	Methyldithiocarbamic acid	≥ 965 g/kg Expressed as metam-sodium on a dry weight basis ≥ 990 g/kg Expressed as metam-potassium on a dry weight basis Relevant impurities: methylisothiocyanate (MITC) — max. 12 g/kg on dry weight basis (metam-sodium), — max. 0,42 g/kg on dry weight basis (metam-potassium). N,N'-dimethylthiourea (DMTU) — max. 23 g/kg on a dry weight basis (metam-sodium), — max. 6 g/kg on a dry weight basis (metam-potassium).	PART A Only uses as nematicide, fungicide, herbicide and insecticide may be authorised for application as soil fumigant prior to planting, limited to one application every third year on the same field. The application may be authorised in open field by soil injection or drip irrigation, and in greenhouse by drip irrigation only. The use of gas-tight plastic film for drip irrigation shall be prescribed. The maximum application rate shall be 153 kg/ha (corresponding to 86,3 kg/ha of MITC) in case of open field applications. Authorisations shall be limited to professional users. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metam, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 9 March 2012, shall be taken into account. In this overall assessment competent authorities: (a) shall pay particular attention to the protection of operators and shall ensure that the conditions of use include risk mitigation measures such as application of adequate personal protective equipment and a limitation in the daily work rate; (b) shall pay particular attention to the protection of workers and shall ensure that the conditions of use include risk mitigation measures, such as use of adequate personal protective equipment, re-entry period and limitation in the daily work rate; (c) shall pay particular attention to the protection of bystanders and residents and shall ensure that the conditions of use include risk mitigation measures, such as an appropriate buffer zone during and until 24 hours after the application from the perimeter of the application area to any occupied residences and areas used by the general public with obligation to use warning signs and ground markers; (d) shall pay particular attention to the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions and shall ensure that the conditions of use include risk mitigation measures, such as appropriate buffer zone; (e) shall pay particular attention to the risk to non-target organisms and shall ensure that conditions of use shall include risk mitigation measures, where appropriate.
Metamitron	Herbicide	01/09/2009	31/08/2025	2008/125, Reg. (EU) 2017/195, Reg. (EU) No 540/2011	Professional	CAS No 41394-05-2	4-amino-4,5-dihydro-3-methyl-6-phenyl-1,2,4-triazin-5-one	≥ 960 g/kg	PART A Only uses as herbicide may be authorised. PART B In assessing applications to authorise plant protection products containing metamitron for uses other than on root crops, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metamitron, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 October 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety and ensure that conditions of use prescribe the application of personal protective equipment where appropriate; — the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions; — the risk to birds and mammals, and non-target terrestrial plants. Conditions of authorisation shall include risk mitigation measures, where appropriate.

Metarhizium anisopliae var. anisopliae strain BIPESCO 5/F52	Insecticide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional		(formerly Metarhizium anisopliae) STRAIN: BIPESCO 5/ F52 Culture collection: No M.a. 43; No 275-86 (acronyms V275 or KVL 275); No KVL 99-112 (Ma 275 or V 275); No DSM 3884; No ATCC 90448; No ARSEF 1095	Not applicable	No relevant impurities	PART A Only uses as insecticide and acaricide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Metarhizium anisopliae var. anisopliae (formerly Metarhizium anisopliae) BIPESCO 5 and F52 (SANCO/1862/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Metazachlor	Herbicide	01/08/2009	31/07/2024	2008/116/EC, 2009/155/EC, Reg. (EU) 2017/195, Reg. (EU) No 540/2011	Professional	CAS No 67129-08-2		2-chloro-N-(pyrazol-1-ylmethyl)acet-2',6'-xylidide	≥ 940 g/kg The manufacturing impurity toluene is considered to be of toxicological concern and a maximum level of 0,05 % is established.	PART A Only uses as herbicide may be authorised; application max. of 1,0 kg/ha only every third year on the same field. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metazachlor, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 26 September 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment, — the protection of aquatic organisms, — the protection of the groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation shall include risk mitigation measures and monitoring programmes shall be initiated to verify potential groundwater contamination from the metabolites 479M04, 479M08, 479M09, 479M11 and 479M12 in vulnerable zones, where appropriate. If metazachlor is classified under Regularion (EC) No 1272/2008 as 'suspected of causing cancer', the competent authorities concerned shall request the submission of further information on the relevance of the metabolites 479M04, 479M08, 479M09, 479M11 and 479M12 with respect to cancer. They shall ensure that the notifiers provide that information to each competent authority within six months from the notification of such a classification decision.
Metconazole	Fungicide, Plant growth regulator	01/06/2007	30/04/2024	2006/74/EC, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 878/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	General	CAS No 125116-23-6 (unstated stereo-chemistry)		(1RS,5RS:1RS,5SR)-5-(4-chlorobenzyl)-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl) cyclopentanol	≥ 940 g/kg (sum of cis-and trans- isomers)	PART A Only uses as fungicide and plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metconazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 May 2006 shall be taken into account. In this overall assessment: — competent authorities must pay particular attention to the protection of aquatic organisms, birds and mammals. Conditions of authorisation should include risk mitigation measures, where appropriate, — competent authorities must pay particular attention to the operator safety. Conditions of authorisation should include protective measures, where appropriate.
Methoxyfenozide	Insecticide	01/04/2019	31/03/2026	05/3/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011 (, Reg. (EU) 2017/841), Reg. (Eu) No 2019/158	Professional	CAS No 161050-58-4		N-tert-Butyl-N'-(3-methoxy-o-toluoyl)-3,5-xylohydrazide	≥ 970 g/kg The following impurities must not exceed the following levels in the technical material: Tert-butylhydrazine < 0,001 g/kg RH-116267 < 2 g/kg	Only uses in greenhouses shall be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on methoxyfenozide, and in particular Appendices I and II thereto, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the protection of groundwater when the substance is applied in regions with vulnerable soil and/or climate conditions; — the risk of accumulation in soil; — the protection of non-target arthropods, sediment dwelling and aquatic organisms; Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit to each competent authority confirmatory information as regards: 1. a comparative in vitro metabolism study on methoxyfenozide, by 1 April 2020; 2. the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or groundwater is abstracted for drinking water, within 2 years after adoption of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.The applicant shall also provide an updated assessment of the information submitted and, where relevant, further information to confirm the absence of thyroid endocrine activity in accordance with Points 3.6.5 and 3.8.2 of Annex II of Regulation (EC) No 1107/2009, as amended by Commission Regulation (EU) 2018/605 (2) by 1 February 2021.
Metiram	Fungicide	01/07/2006	31/01/2024	05/72/EC, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011 (, Reg. (EU) No 762/2013,, Reg. (EU) No 84/2018), Reg. EU 2019/2094	Professional	CAS No 9006-42-2		Zinc ammoniate ethylenebis(dithiocarbamate) — poly[ethylenebis(thiuramdisulfide)]	≥ 840 g/kg The manufacturing impurity ethylene thiourea is considered to be of toxicological concern and must not exceed 0,5 % of the metiram content.	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metiram, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 June 2005 shall be taken into account. competent authorities must pay particular attention to the potential for ground water contamination when the active substance is applied in regions with vulnerable soils and/or extreme climatic conditions. competent authorities must pay particular attention to the residues in food and evaluate the dietary exposure of consumers. competent authorities must pay particular attention to the protection of birds, mammals, aquatic organisms and non target arthropods and must ensure that the conditions of authorisation include risk mitigation measures.
Metobromuron	Herbicide	01/01/2015	31/12/2024	Reg. (EU) No 890/2014 (, 2011/253/EU,, Reg. (EC) No 2076/2002)	Professional	3060-89-7		3-(4-bromophenyl)- 1-methoxy-1-methylurea	≥ 978 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metobromuron, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 11 July 2014, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the protection of workers and operators; (b) the risk to birds, mammals, aquatic organisms and terrestrial non- target plants.Conditions of use shall include risk mitigation measures, where appropriate.
Metosulam	Herbicide	01/05/2011	30/04/2024	2010/91/EU, Reg. (EU) No 540/2011	Professional	CAS No 139528-85-1		2',6'-dichloro-5,7- dimethoxy-3'-methyl[1,2,4]triazolo [1,5-a]pyrimidine-2-sulfonanilide	≥ 980 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metosulam, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 October 2010 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of groundwater when the active substance is applied in regions with vulnerable soil and/or climatic conditions; — the risk to aquatic organisms; — the risk to non-target plants in the off-field area. Conditions of use shall include risk mitigation measures, where appropriate.
Metrafenone	Fungicide	01/02/2007	30/04/2024	Reg (EU) 2020/421, Reg. (EU) No 540/2011 (07/6/EC, Reg. (EU) No 2018/524, Reg. (EU) 2019/168, Reg. (EU) No 487/2014)	Professional	CAS No 220899-03-6		3'-bromo-2,3,4,6'-tetramethoxy-2',6-dimethylbenzophenone	≥ 940 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metrafenone, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 14 July 2006 shall be taken into account.
Metribuzin	Herbicide	01/10/2007	31/07/2024	07/25/EC, Reg. (EU) 2018/917, Reg. (EU) 540/2011, Reg. (EU) 2020/869	Professional	CAS No 21087-64-9		4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one	≥ 910 g/kg	PART A Only uses as herbicide may be authorised. PART B In assessing applications to authorise plant protection products containing metribuzin for uses other than in post-emergence selective herbicide in potatoes competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metribuzin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 24 November 2006 shall be taken into account. In this overall assessment competent authorities: — must pay particular attention to the protection of algae, aquatic plants, non- target plants outside the treated field and must ensure that the conditions of authorisation include, where appropriate, risk mitigation measures. — must pay particular attention to the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment.
Metschnikowia fructicola	Fungicide	27/12/2018	27/12/2028	Reg.(EU) No 2018/1915	Professional		Metschnikowia fructicola strain NRRL Y-27328 Accession number in the Agriculture Research Service Culture Collection at the National center for agricultural utilisation research in Peoria, Illinois USA		Minimum concentration: 1 × 1010 CFU/g	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Metschnikowia fructicola strain NRRL Y-27328, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators and workers, taking into account that Metschnikowia fructicola strain NRRL Y-27328 is to be considered as a potential sensitizer. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be ensured by the producer. Conditions of use shall include risk mitigation measures, where appropriate.
Metsulfuron-methyl	Herbicide	01/04/2016	31/03/2026	00/49/EC, Reg. (EU) 2016/139, Reg. (EU) No 540/2011 (, 2010/77/EU,, Reg. (EU) 2015/1885)	Professional	74223-64-6		Methyl 2-(4-methoxy-6- methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl) benzoate	967 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on metsulfuron-methyl, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of consumers, — the protection of groundwater, — the protection of non-target terrestrial plants. Conditions of use shall include risk mitigation measures, where appropriate.
Milbemectin	Insecticide	01/12/2005	31/07/2024	05/58/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011 (, Reg. (EU) 2017/841), Reg. (EU) 2020/869	Professional	Milbemectin is a mixture of M.A3 and M.A4 CAS No M.A3: 51596-10-2 M.A4: 51596-11-3		M.A3: (10E,14E,16E,22Z)- (1R,45,5'S,6R,6'R,8R,13R, 20R,21R,24S)- 21,24- dihydroxy-5',6',11,13,22-pentamethyl-3,7,19-trioxatetracyclo[15.6.1. 14,8.020, 24] pentacosa-10,14,16, 22-tetraene-6-spiro-2'-tetrahydropyran-2-one M.A4: (10E,14E,16E,22Z)-(1R,4S,5'S,6R,6'R,8R,13R, 20R,21R,24S)-6'-ethyl- 21,24-dihydroxy- 5',11,13,22-tetramethyl- 3,7,19-trioxatetracyclo[15.6.1. 14,8020,24] pentacosa-10,14,16,22-tetraene-6- spiro-2'-tetrahydropyran-2-one	≥ 950 g/kg	PART A Only uses as acaricide or insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on milbemectin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 June 2005 shall be taken into account. In this overall assessment competent authorities should pay particular attention to the protection of aquatic organisms. Risk mitigation measures should be applied where appropriate.

Mild Pepino Mosaic Virus isolate VC 1	Elicitor	29/03/2017	29/03/2032	Reg. (EU) 2017/408	Professional		Reference number DSM 26973 in the German Collection of Micro-organisms and Cell Cultures (DSMZ)		Nicotine < 0,1 mg/L	Only the use in greenhouses may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Mild Pepino Mosaic Virus isolate VC1, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Mild Pepino Mosaic Virus isolate VC1 is to be considered, as any microorganism, a potential sensitizer. Conditions of use shall include risk mitigation measures, where appropriate. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer.
Mild Pepino Mosaic Virus isolate VX 1	Elicitor	29/03/2017	29/03/2032	Reg. (EU) 2017/406	Professional		Reference number DSM 26974 in the German Collection of Micro-organisms and Cell Cultures (DSMZ)		Nicotine < 0,1 mg/L	Only the use in greenhouses may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Mild Pepino Mosaic Virus isolate VX1, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Mild Pepino Mosaic Virus isolate VX1 is to be considered, as any microorganism, a potential sensitizer. Conditions of use shall include risk mitigation measures, where appropriate. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer.
Mustard seeds powder	Fungicide	04/12/2017		Reg. (EU) 2017/2066	General			Not applicable	Food grade	Mustard seeds powder shall be used in accordance with the specific conditions included in the conclusions of the review report on mustard seeds powder (SANTE/11309/2017) and in particular Appendices I and II thereof.
Myclobutanil	Fungicide	01/06/2011	31/05/2024	2011/2/EU, Reg. (EU) No 540/2011	General		CAS No 88671-89-0	RS)-2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile	≥ 925 g/kg The impurity 1- methylpyrrolidin-2-one shall not exceed 1 g/kg in the technical material	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on myclobutanil, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 November 2010 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment where appropriate. Conditions of use shall include risk mitigation measures, where appropriate.
Napropamide	Herbicide	01/01/2011	31/12/2026	2010/83/EU, Reg. (EU) 2018/670, Reg. (EU) No 540/2011	Professional		CAS No 15299-99-7	(RS)-N,N-diethyl-2-(1-naphthyloxy)propionamide	≥ 930 g/kg (Racemic mixture) Relevant impurity Toluene: not more than 1,4 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on napropamide, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 October 2010, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — operator safety: conditions of use shall prescribe the use of adequate personal protective equipment, where necessary, — protection of aquatic organisms: conditions of authorisation shall include risk mitigation measures, where appropriate, such as adequate buffer zones, — consumer safety as regards the occurrence in groundwater of the metabolite 2- (1-naphthyloxy)propionic acid, hereinafter 'NOPA'.
n-hexadecanyl acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional		629-70-9	n-Hexadecylacetate	900 g/kg	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Nicosulfuron	Herbicide	01/01/2009	31/12/2024	2008/40, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional		CAS No 111991-09-4	2-[(4,6-dimethoxypyrimidin-2-ylcarbamoyl)sulfamoyl]-N,N- dimethylnicotinamide or 1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-dimethylcarbamoyl-2-pyridylsulfonyl)urea	≥ 910 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on nicosulfuron, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 22 January 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the potential exposure of the aquatic environment to metabolite DUDN when is applied in regions with vulnerable soil conditions, — the protection of aquatic plants and must ensure that the conditions of authorisation include, where appropriate, risk mitigation measures such as buffer zones, — the protection of non-target plants and must ensure that the conditions of authorisation include, where appropriate, risk mitigation measures such as an in-field no-spray buffer zone, — the protection of groundwater and surface water under vulnerable soil and climatic conditions.
Onion oil		17/10/2018		Reg. (EU) 2018/1295	General		8002-72-0	Not applicable	Food grade	Onion oil shall be used in accordance with the specific conditions included in the conclusions of the review report on Onion oil (SANTE/10615/2018) and in particular Appendices I and II thereto.
Orange oil	Insecticide	01/05/2014	31/07/2024	Reg. (EU) No 1165/2013 (, 2007/442/EC,, 2009/438), Reg (EU) 2020/2007	General		8028-48-6 (Orange extract) 5989-27-5 (D-limonene)	(R)-4-isopropenyl-1-methylcyclohexene or p-mentha-1,8-diene	≥ 945 g/kg (of D-limonene) The active substance shall comply with the specifications of Ph. Eur. (Pharmacopoeia Europea) 5.0 (Aurantii dulcis aetheroleum) and ISO 3140:2011(E)	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on orange oil, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 October 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the protection of operators and workers; (b) the risk to birds and mammals. Conditions of use shall include risk mitigation measures, where appropriate.
Oryzalin	Herbicide	01/06/2011	31/05/2024	2011/27/EU, Reg. (EU) No 540/2011	Professional		CAS No 19044-88-3	3,5-dinitro-N4,N4-dipropylsulfanilamide	≥ 960 g/kg N-nitrosodipropylamine: ≤ 0,1 mg/kg Toluene: ≤ 4 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on oryzalin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 January 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the operator safety and ensure that conditions of use include the application of adequate personal protective equipment; — the protection of aquatic organisms and non target plants; — the protection of groundwater, where the active substance is applied in regions with vulnerable soil and/or climatic conditions; — the risk to herbivorous birds and mammals; — the risk to bees, in the flowering season. Conditions of authorisation shall include risk mitigation measures, where appropriate. The competent authorities concerned shall carry out monitoring programmes to verify potential groundwater contamination from the metabolites OR13 (4) and OR15 (5) in vulnerable zones, where appropriate.The competent authorities concerned shall request the submission of confirmatory information as regards: (1) the specification of the technical material, as commercially manufactured, by appropriate analytical data, including information on the relevance of the impurities which for confidentiality reasons are referred to as impurities 2, 6, 7, 9, 10, 11, 12; (2) the relevance of the test material used in the toxicity dossiers in view of the specification of the technical material; (3) the risk assessment for aquatic organisms; (4) the relevance of the metabolites OR13 and OR15, and the corresponding groundwater risk assessment, if oryzalin is classified under Regulation (EC) No 1272/2008 as 'suspected of causing cancer'. The applicant must submit to each competent authority the information set out in point (4) within six months of notification of a decision classifying oryzalin.
Oxamyl	Insecticide, Nematicide	01/08/2006	31/01/2024	06/16/EC, Reg. (EU) 2018/1796, Reg. (EU) No 540/2011 (, Reg. (EU) No 1136/2013,, Reg. (EU) No 84/2018), Reg. EU 2019/2094	Licensed		CAS No 23135-22-0	N,N-dimethyl-2-methylcarbamoyloximino-2-(methylthio) acetamide	970 g/kg	PART A Only uses as nematicide and insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on oxamyl, and in particular Appendices I and II thereto, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 July 2005 shall be taken into account. In this overall assessment, — competent authorities must pay particular attention to the protection of birds and mammals, earthworms, aquatic organisms, surface water, and groundwater in vulnerable situations. Conditions of authorisation should include risk mitigation measures, where appropriate. — competent authorities must pay particular attention to the operator safety. Conditions of authorisation should include protective measures, where appropriate.
Oxathiapiprolin	Fungicide	03/03/2017	03/03/2027	Reg. (EU) 2017/239	Professional		1003318-67-9	1-(4-{4-[(5RS)-5-(2,6-difluorophenyl)-4,5-dihydro-1,2-oxazol-3-yl]-1,3- thiazol-2-yl}-1-piperidyl)- 2-[5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl] ethanone	≥ 950 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on oxathiapiprolin, and in particular Appendices I and II thereof, shall be taken into account. Conditions of use shall include risk mitigation measures, where appropriate.
Oxyfluorfen	Herbicide	01/01/2012	31/12/2024	Reg. (EU) 2017/359, Reg. (EU) No 798/2011 (, 2008/934/EC), Reg. (EU) No 2019/291	Professional		42874-03-3	2-chloro-α,α,α-trifluoro- p-tolyl 3-ethoxy-4-nitrophenyl ether	≥ 970 g/kg Impurities: N,N-dimethylnitrosamine: not more than 50 µg/kg	PART A Only uses as herbicide for banded applications close to ground from autumn to early spring may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on oxyfluorfen, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011, shall be taken into account. In this overall assessment competent authorities shall: (a) pay particular attention to the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment where appropriate; (b) pay particular attention to the risks to aquatic organisms, earthworm-eating mammals, soil-living macro-organisms, non-target arthropods and non-target plants. Conditions of use shall include risk mitigation measures, where appropriate.
Paclobutrazol	Plant growth regulator	01/06/2011	31/05/2026	2011/55/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011	Professional		CAS No 76738-62-0	(2RS,3RS)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol	≥ 930 g/kg	PART A Only uses as plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on paclobutrazol, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to aquatic plants and ensure that conditions of use include the risk mitigation measures, where appropriate. The competent authorities concerned shall request the submission of confirmatory information as regards: (1) the specification of the technical material, as commercially manufactured; (2) the analytical methods in soil and surface water for the metabolite NOA457654; (3) the residues of triazole derivative metabolites (TDMs) in primary crops, rotational crops and products of animal origin; (4) the potential endocrine disrupting properties of paclobutrazol, (5) the potential adverse effects of breakdown products of the different optical structures of paclobutrazol and its metabolite CGA 149907 on the environmental compartments soil, water and air. The applicant must submit to each competent authority - (a) the information set out in point (4) within two years after the adoption of the OECD test guidelines on endocrine disruption and (b) the information set out in point (5) within two years after the issuing of specific guidance.
Paecilomyces fumosoroseus strain Fe9901	Insecticide	01/10/2013	31/12/2024	Reg. (EU) No 378/2013 (, Dossier complete 08/565/EC), Reg (EU) 2020/2007	Professional		Collection number: USDA-ARS collection of Entomopathogenic Fungal Cultures U.S. Plant Soil and Nutrition laboratory. New York. Accession No ARSEF 4490		Minimum 1,0 × 109 CFU/g Maximum 3,0 × 109 CFU/g	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Paecilomyces fumosoroseus strain FE 9901, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 March 2013, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Paecilomyces fumosoroseus strain FE 9901 is to be considered as a potential sensitiser. Conditions of use shall include risk mitigation measures, where appropriate.

Paecilomyces lilacinus strain 251	Nematicide	01/08/2008	31/07/2024	08/44/EC, Reg. (EU) 540/2011, Reg. (Eu) 2018/917, Reg. (EU) 2020/869	Professional		Samson 1974 strain 251 (AGAL: No 89/030550)	Not applicable		PART A Only uses as nematicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Paecilomyces lilacinus, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 22 January 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety (although there was no need to set an AOEL, as a general rule, microorganisms should be considered as potential sensitisers), — the protection of leaf dwelling non-target arthropods. Conditions of use shall include risk mitigation measures, where appropriate.
Paraffin oil/(CAS 64742-46-7)	Acaricide, Insecticide	01/01/2010	31/12/2024	2009/116/EC, Reg. (EU) No 540/2011, Reg (EU) 2020/1511	General	CAS No 64742-46-7		paraffin oil	European Pharmacopoeia 6.0	PART A Only uses as insecticide and acaricide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on paraffin oils CAS No 64742-46-7, CAS No 72623-86-0 and CAS No 97862-82-3, and in particular Appendices I and II thereto shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Paraffin oil/(CAS 72623-86-0)	Acaricide, Insecticide	01/01/2010	31/12/2024	2009/116/EC, Reg. (EU) No 540/2011, Reg (EU) 2020/1511	General	CAS No 72623-86-0		paraffin oil	European Pharmacopoeia 6.0	PART A Only uses as insecticide and acaricide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on paraffin oils CAS No 64742-46-7, CAS No 72623-86-0 and CAS No 97862- 82-3, and in particular Appendices I and II thereto shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Paraffin oil/(CAS 8042-47-5)	Acaricide, Insecticide	01/01/2010	31/12/2024	2009/117/EC, Reg. (EU) No 540/2011, Reg (EU) 2020/1511, Reg (EU) 2020/2104	General	CAS No 8042-47-5		paraffin oil	European Pharmacopoeia. 6,0	PART A Only uses as insecticide and acaricide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on paraffin oil 8042-47-5, and in particular Appendices I and II thereof, shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Paraffin oil/(CAS 97862-82-3)	Acaricide, Insecticide	01/01/2010	31/12/2024	Reg (EU) 2020/1511, Reg. (EU) No 540/2011 (2019/116/EC, Reg. (EU) No 2017/555)	General	CAS No 97862-82-3		paraffin oil	European Pharmacopoeia 6.0	PART A Only uses as insecticide and acaricide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on paraffin oils CAS No 64742-46-7, CAS No 72623-86-0 and CAS No 97862- 82-3, and in particular Appendices I and II thereto shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Pasteuria nishizawae Pn1	Nematicide	14/10/2018	14/10/2033	Reg. (EU) 2018/1278	General		Culture collection: ATCC Safe Deposit (SD-5833)	Not applicable	minimum concentration 1 × 1011 spores/g	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Pasteuria nishizawae Pn1, and in particular, Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Pasteuria nishizawae Pn 1 is to be considered as a potential sensitizer. Conditions of use shall include risk mitigation measures, where appropriate. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be ensured by the producer.
Pelargonic acid (CAS 112-05-0)	Insecticide, Acaricide, Herbicide, Plant growth regulator	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	General	CAS No 112-05-0 (Pelargonic Acid)		Pelargonic Acid	≥ 889 g/kg (Pelargonic Acid)	PART A Only uses as insecticide, acaricide, and herbicide and plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fatty acids (SANCO/2610/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Penconazole	Fungicide	01/01/2010	31/12/2024	2009/77/EC, 2010/34/EU, Reg. (EU) No 540/2011	General	CAS No 66246-88-6		(RS) 1-[2-(2,4-dichloro-phenyl)-pentyl]-1H-[1,2,4] triazole	≥ 950 g/kg	PART A Only uses as fungicides may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on penconazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 26 February 2009 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Pendimethalin	Herbicide	01/09/2017	30/11/2024	Reg. (EU) 2017/1114, Reg. (EU) No 540/2011 (, 03/31/EC,, Reg. (EU) 2016/950,, Reg. (EU) 2017/841,, Reg. (EU) No 823/2012), Reg (EU) 2020/2007	Professional	CAS No 40487-42-1		N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidene	900 g/kg 1,2-dichloroethane ≤ 1 g/kg Total N-Nitroso compounds: max 100 ppm, of which N-Nitroso-pendimethalin: < 45 ppm.	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pendimethalin, and in particular Appendices I and II thereof, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the specification of the technical material as commercially manufactured, which must be confirmed and supported by appropriate analytical data. The test material used in the toxicity dossiers shall be compared and verified against the specification of the technical material, — the protection of operators, — the protection of birds, mammals and aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate. In particular, personal protective equipment such as gloves, coverall and sturdy footwear has to be worn to ensure that the AOEL is not exceeded for the operator. The applicant shall submit confirmatory information to each competent authority as regards: 1.the potential for bioaccumulation, in particular a reliable BCF value for bluegill sunfish (Lepomis macrochirus); 2. the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or groundwater are abstracted for drinking water. The applicant must submit to each competent authority the information set out in point (2) within two years after the issuing of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Penflufen	Fungicide	01/02/2014	31/05/2025	Reg. (EU) No 1031/2013, Reg.(EU) No 2018/185, Reg (EU) 2020/2007	Professional	494793-67-8		2'-[(RS)-1,3-dimethylbutyl]-5- fluoro-1,3-dimethylpyrazole-4- carboxanilide	≥ 950 g/kg 1:1 (R:S) ratio of enantiomers	PART A Only uses to treat seed potato tubers before or during planting, may be authorised, limited to one application every third year on the same field. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on penflufen, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 March 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the protection of operators; (b) the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards: the relevance of the metabolite M01 (penflufen-3-hydroxy-butyl) for groundwater if penflufen is classified under Regulation (EC) No 1272/2008 of the European Parliament and of the Council (2) as 'carcinogen category 2'. The applicant shall submit this information to each competent authority within six months from the notification of the classification decision concerning that substance. The purity given in this entry is based on a pilot plant production.
Penoxsulam	Herbicide	01/08/2010	31/07/2026	2010/25/EU, Reg. (EU) 2017/2069, Reg. (EU) No 540/2011	Professional	CAS No 219714-96-2		3-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4]triazolo[1,5-c]pyrimidin-2-yl)-α,α,α-trifluorotoluene-2-sulfonamide	> 980 g/kg The impurity Bis-CHYMP 2-chloro-4-[2-(2- chloro-5-methoxy-4- pyrimidinyl) hydrazino]-5- methoxypyrimidine must not exceed 0,1 g/kg in the technical material	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on penoxsulam, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 22 January 2010 shall be taken into account. In this overall assessment, competent authorities must pay particular attention to: — the protection of aquatic organisms, — the dietary exposure of consumers to residues of the metabolite BSCTA in succeeding rotational crops, — the protection of groundwater when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Penthiopyrad	Fungicide	01/05/2014	31/05/2025	Reg. (EU) No 1187/2013 (, Dossier Complete 2010/466/EU), Reg (EU) 2020/2007	Professional	183675-82-3		(RS)-N-[2-(1,3- dimethylbutyl)-3-thienyl]-1- methyl-3-(trifluoromethyl)pyrazole-4- carboxamide	≥ 980 g/kg (50:50 racemic mixture)	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on penthiopyrad, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 October 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the protection of operators and workers; (b) the risk to aquatic and soil organisms; (c) the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions; (d) the level of residues in rotational crops following consecutive application of the active substance over several years. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards: (1) the non-relevance of metabolite M11 (3-methyl-1-[3-[(1-methyl-3- trifluoromethyl-1H-pyrazole-4-carbonyl)amino]thiophen-2- yl]pentanoic acid) for groundwater with the exception of evidence related to the risk of carcinogenicity, which is dependent on the classification of the parent and specified separately at (3) below; (2) the toxicological profile and the reference values of the metabolite PAM; (3) the relevance of the metabolites M11 (3-methyl-1-{3-[(1-methyl-3- trifluoromethyl-1H-pyrazole-4-carbonyl)amino]thiophen-2- yl}pentanoic acid), DM-PCA (3-trifluoromethyl-1H-pyrazole-4- carboxylic acid), PAM (1-methyl-3-trifluoromethyl-1H-pyrazole-4- carboxamide) and PCA (1-methyl-3-trifluoromethyl-1H-pyrazole-4- carboxylic acid) and their risk to contaminate groundwater, if penthiopyrad is classified under Regulation (EC) No 1272/2008 as carcinogenic cat. 2. The notifier must submit to each competent authority the relevant information within six months of the notification of the classification decision for penthiopyrad.
Pepino mosaic virus strain CH2 isolate 1906	Elicitor, Virus inoculation	07/08/2015	07/08/2030	Reg. (EU) 2015/1176, Reg. (EU) No 540/2011	Professional		GenBank, accession number JN835466	Not applicable	minimum concentration 5 × 105 viral genome copies per µL	Only the use in greenhouses may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Pepino mosaic virus strain CH2 isolate 1906, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Pepino mosaic virus strain CH2 isolate 1906 is to be considered as a potential sensitiser. Conditions of use shall include risk mitigation measures, where appropriate. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer.'
Pethoxamid	Herbicide	01/12/2018	30/11/2033	06/41/EC, Reg. (EU) No 2018/1264, Reg. (EU) No 540/2011 (, Reg. (EU) No 1136/2013,, Reg. (EU) No 84/2018)	Professional	CAS No 106700-29-2		2-chloro-N-(2-ethoxyethyl)-N-(2-methyl-1-phenylprop-1-enyl) acetamide	≥ 940 g/kg Impurities: Toluene: max 3 g/kg	PART A Use shall be limited to one application every two years in the same field at a maximum dose of 1 200 g active substance per hectare. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on pethoxamid, and in particular Appendices I and II thereto, shall be taken into account. in their overall assessment competent authorities shall pay particular attention to: —the risk of groundwater metabolites when pethoxamid is applied in regions with vulnerable soil and/or climatic conditions; — the risk to aquatic organisms and earthworms; — the risk to consumers from residues in the succeeding crops or in case of crop failure. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit to each competent authority confirmatory information as regards: 1.the relevance of the metabolites that may occur in goundwater, taking into account any relevant classification for pethoxamid in accordance with Regulation (EC) No 1272/2008 of the Parliament and of the Council(2), in particular as carcinogen category 2; 2.the effect of water treatment processes on the nature of residues present in drinking water; 3. the endocrine disrupting potential of pethoxamid as regards the thyroid modality/pathway as a minimum providing mechanistic data to clarify whether there is a thyroid endocrine disrupting mode of action. The applicant shall submit the information requested under point 1 within six months of the notification of the classification decision for pethoxamid. The applicant shall submit the information requested under point 2 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 being made public by the competent authority. The applicant shall submit the information requested under point 3 by 10 November 2020.

Phenmedipham	Herbicide	01/03/2005	31/07/2024	04/58/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011 (, Reg. (EU) 2017/841), Reg. (EU) 2020/869	Professional	CAS No 13684-63-4	methyl 3-(3-methylcarbaniloyloxy)carbanilate; 3-methoxycarbonylaminophenyl 3'-methylcarbanilate	Min. 970 g/kg	Only uses as herbicide may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on phenmedipham, and in particular Appendices I and II thereto, as finalised in the Standing Committee on the Food Chain and Animal Health on 13 February 2004 shall be taken into account. In this overall assessment competent authorities should pay particular attention to the protection of aquatic organisms. Conditions of authorisation should include risk mitigation measures, where appropriate.
Phlebiopsis gigantea strain FOC PG 410.3		01/09/2020	31/08/2035	Reg. (EU) 2020/421, Reg. (EU) 2020/1003	Professional		Not applicable	No relevant impurities	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on Phlebiopsis gigantea strain FOC PG 410.3, and in particular Appendices I and II thereto, shall be taken into account. Competent authorities shall pay particular attention to the protection of operators and workers. Producers shall ensure strict maintenance of environmental conditions and quality control analysis during the manufacturing process as laid down in Working Document SANCO/12116/2012 as regards the limits on microbiological contamination.
Phlebiopsis gigantea strain VRA 1835		01/09/2020	31/08/2035	Reg. (EU) 2020/421, Reg. (EU) 2020/1003	Professional		Not applicable	No relevant impurities	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on Phlebiopsis gigantea strain VRA 1835, and in particular Appendices I and II thereto, shall be taken into account. Competent authorities shall pay particular attention to the protection of operators and workers. Producers shall ensure strict maintenance of environmental conditions and quality control analysis during the manufacturing process as laid down in Working Document SANCO/12116/2012 as regards the limits on microbiological contamination (2).
Phlebiopsis gigantea strain VRA 1984		01/09/2020	31/08/2035	Reg. (EU) 2020/421, Reg. (EU) 2020/1003	Professional		Not applicable	No relevant impurities	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on Phlebiopsis gigantea strain VRA 1984, and in particular Appendices I and II thereto, shall be taken into account. Competent authorities shall pay particular attention to the protection of operators and workers. Producers shall ensure strict maintenance of environmental conditions and quality control analysis during the manufacturing process as laid down in Working Document SANCO/12116/2012 as regards the limits on microbiological contamination.
Phosmet	Insecticide	01/10/2007	31/07/2024	07/25/EC, Reg. (EU) 2018/917, Reg. (EU) 540/2011, Reg. (EU) 2020/869	Professional	CAS No 732-11-6	O,O-dimethyl S-phthalimidomethyl phosphorodithioate; N-(dimethoxyphosphinothioylthiomethyl)phatalimide	≥ 950 g/kg Impurities: — phosmet oxon: not more than 0,8 g/kg — iso phosmet: not more than 0,4 g/kg	PART A Only uses as insecticide and acaricide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on phosmet, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 24 November 2006 shall be taken into account. In this overall assessment competent authorities: — must pay particular attention to the protection of birds, mammals, aquatic organisms, bees and other non-target arthropods. Conditions of authorisation should include risk mitigation measures, where appropriate, such as buffer zones and reduction of run-off and drainage inputs to surface water, — must pay particular attention to the operator safety and ensure that conditions of use prescribe the application of adequate personal and respiratory protective equipment.
Phosphane	Insecticide	01/04/2013	31/03/2026	Reg. (EU) No 1043/2012 (, Dossier complete 08/566/EC)	Professional	7803-51-2	Phosphane	≥ 994 g/kg The relevant impurity arsane must not exceed 0,023 g/kg in the technical material	Authorisations shall be limited to professional users. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on phosphane, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 September 2012 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators in and around the treated premises during the treatment as well as during and after the aeration; — the protection of workers in and around the treated premises during the treatment as well as during and after the aeration; — the protection of bystanders around the treated premises during the treatment as well as during and after the aeration. Conditions of use shall include risk mitigation measures, like permanent monitoring of the phosphane concentration by automatic devices, the use of personal protection equipment and setting-up an area around the treated premise where bystanders are denied, where appropriate.
Picolinafen	Herbicide	01/11/2016	30/06/2031	02/64/EC, Reg. (EU) 2016/1423, Reg. (EU) 2016/549, Reg. (EU) No 540/2011 (, 2010/77/EU,, Reg. (EU) 2015/1885)	Professional	CAS No 137641-05-5	4'-fluoro-6-(α,α,α-trifluoro-m-tolyloxy)pyridine-2-carboxanilide	≥ 980 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on picolinafen, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the impurities in the technical active substance; — the protection of mammals, especially of large herbivorous mammals; — the protection of non-target terrestrial plants; —the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions; — the protection of aquatic organisms, especially to algae. Conditions of use shall include risk mitigation measures, where appropriate.'
Pinoxaden	Herbicide	01/07/2016	30/06/2026	Reg. (EU) 2016/370, Reg. (EU) No 289/2014, Reg. (EU) No 540/2011 (, 2005/459/EC,, 2012/191/EU)	Professional	243973-20-8	8-(2,6-diethyl-p-tolyl)- 1,2,4,5-tetrahydro-7- oxo-7H-pyrazolo[1,2-d] [1,4,5]oxadiazepin-9-yl 2,2-dimethylpropionate	≥ 970 g/kg Toluene max. content 1 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pinoxaden, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 29 January 2016 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions. The competent authorities concerned shall carry out monitoring programmes to verify potential groundwater contamination from the metabolite M2 in vulnerable zones, where appropriate. The applicant shall submit confirmatory information as regards: (a) a validated method of analysis of metabolites M11, M52, M54, M55 and M56 in ground water; (b) the relevance of the metabolites M3, M11, M52, M54, M55 and M56, and the corresponding groundwater risk assessment, if pinoxaden is classified under Regulation (EC) No 1272/2008 as H361d (suspected of damaging the unborn child). The notifier must submit to each competent authority the relevant information within six months of the notification of the classification decision for pinoxaden.
Pirimicarb	Insecticide	01/02/2007	30/04/2024	06/39/EC, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 487/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	CAS No 23103-98-2	2-dimethylamino-5,6-dimethylpyrimidin-4-yl dimethylcarbamate	≥ 950 g/kg	PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pirimicarb, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 27 January 2006 shall be taken into account. competent authorities must pay particular attention to the safety of operators and ensure that conditions of use prescribe the application of adequate personal protective equipment. competent authorities must pay particular attention to the protection of aquatic organisms and must ensure that the conditions of authorisation include risk mitigation measures, where appropriate, such as buffer zones.
Pirimiphos-methyl	Insecticide	01/10/2007	31/07/2024	07/52/EC, Reg. (EU) 2018/917, Reg. (EU) 540/2011, Reg. (EU) 2020/869	Professional	CAS No 29232-93-7	O-2-diethylamino-6- methylpyrimidin-4-yl O,O-dimethylphosphorothioate	> 880 g/kg	PART A Only uses as insecticide for post harvest storage can be authorised. Hand-held applications shall not be authorised. PART B In assessing applications to authorise plant protection products containing pirimiphos-methyl for uses other than applications with automated systems in empty cereals storehouses, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pirimiphos- methyl, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 March 2007 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operators safety. Authorised conditions of use must prescribe the application of adequate personal protective equipment including respiratory protective equipment and risk mitigation measures to reduce the exposure; — the dietary exposure of consumers in view of future revisions of Maximum Residue Levels.
Plant oils / Citronella oil	Herbicide	01/09/2009	31/08/2025	Reg. (EU) 2017/195, Reg. (EU) No 504/2014, Reg. (EU) No 540/2011 (, 2008/127)	General	CAS No 8000-29-1	Citronella Oil is a complex mixture of chemical substances. The main components are: Citronellal (3,7-dimethyl-6- octenal). Geraniol ((E)-3,7-dimethyl-2,6-octadien-1-ol). Citronellol (3,7-dimethyl-6- octan-2-ol). Geranyl acetate (3,7- dimethyl-6-octen-1yl acetate).	The sum of the following impurities must not exceed 0,1 % of technical material: methyl eugenol and methyl-isoeugenol.	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on citronella oil (SANCO/2621/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators, workers, bystanders and residents, ensuring that conditions of use include the application of adequate personal protective equipment, where appropriate; — the protection of groundwater, when the substance is applied in regions with vulnerable soil; — the risk to non-target organisms.
Plant oils / Clove oil	Repellant, Bactericide, Fungicide	01/09/2009	31/08/2025	2008/127/EC, Reg. (EU) No 141/2014, Reg. (EU) No 540/2011, Reg. (Eu) 2017/195	General	CAS No 84961-50-2 (clove oil) 97-53-0 (Eugenol — main component)	Clove Oil is a complex mixture of chemical substances. The main component is eugenol.	≥ 800 g/kg Relevant impurity: methyl eugenol maximum 0,1 % of the technical material	PART A Only indoor uses as post-harvest fungicide and bactericide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on clove oil (SANCO/2622/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers ensuring that conditions of use include the application of adequate personal protective equipment, where appropriate.
Plant oils / Spear mint oil		01/09/2009	31/08/2025	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 608/2012	General	CAS No 8008-79-5	Spearmint oil	≥ 550 g/kg as (R)-Carvone	PART A Only uses as plant growth regulator for postharvest treatment of potatoes may be authorised. competent authorities shall ensure that authorisations provide that hot fogging is performed exclusively in professional storage facilities and that the best available techniques are applied to exclude the release into the environment of the product (fogging mist) during storage, transport, waste disposal and application. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the amended review report on plant oils/spearmint oil (SANCO/2624/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 June 2012 shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.'
Plant oils/ Rape seed oil	Acaricide, Insecticide	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 1150/2013, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	General	CAS No 8002-13-9	Rape seed oil	Rape seed oil is a complex mixture of fatty acids Relevant impurity: Maximum 2 % of erucic acid	PART A Only uses as insecticide and acaricide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on rape seed oil (SANCO/2623/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 October 2013 shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.'
Potassium hydrogen carbonate	Fungicide	01/09/2009	31/08/2024	Reg (EU) 2020/1160, Reg. (EU) No 540/2011, Reg EU No 735/2012 (2008/127, Reg. (EU) No 2017/195)	General	CAS No 298-14-6	Potassium hydrogen carbonate	≥ 99,5 % Impurities: Pb max. 10 mg/kg As max. 3 mg/kg	PART A Only uses as fungicide and insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on potassium hydrogen carbonate (SANCO/2625/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 13 July 2012 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to honeybees. Conditions of use shall include, where appropriate, risk mitigation measures.

Potassium phosphonates (formerly potassium phosphite)	Fungicide	01/10/2013	31/01/2026	Reg. (EU) No 369/2013 (, Dossier complete 03/636/EC), Reg (EU) 2020/2007	Professional	13977-65-6 for potassium hydrogen phosphonate 13492-26-7 for dipotassium phosphonate Mixture: none	Potassium hydrogen phosphonate, Dipotassium phosphonate	31,6 to 32,6 % phosphonate ions (sum of hydrogen phosphonate and phosphonate ions) 17,8 to 20,0 % potassium ≥ 990 g/kg on dry weight basis	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on potassium phosphonates, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 March 2013, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk to birds and mammals, — the risk of eutrophication of surface water, if the substance is applied in regions or under conditions favouring a quick oxidation of the active substance in surface water. Conditions of use shall include risk mitigation measures, where appropriate.
Prochloraz	Fungicide	01/01/2012	31/12/2026	Reg. (EU) No 1143/2011, Reg. (EU) No 540/2011 (, 2008/934), Reg. (EU) No 2019/291	Professional	67747-09-5	N-propyl-N-[2-(2,4,6- trichlorophenoxy) ethyl]imidazole-1- carboxamide	≥ 970 g/kg Impurities: Sum of dioxins and furans (WHO-PCDD/T TEQ) (*): not more than 0,01 mg/kg	PART A Only uses as fungicide may be authorised. In the case of outdoor uses, rates shall not exceed 450 g/ha per application. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on prochloraz, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 27 September 2011, shall be taken into account. In this overall assessment competent authorities: (a) shall pay particular attention to the protection of operators and workers and shall ensure that conditions of use include the application of adequate personal protective equipment, where appropriate; (b) shall pay particular attention to the risk to aquatic organisms, and shall ensure that conditions of authorisation include risk mitigation measures, where appropriate; (c) shall pay particular attention to the long-term risk to mammals and shall ensure that conditions of authorisation include risk mitigation measures, where appropriate. The applicants shall submit confirmatory information as regards: (1) comparison and verification of the test material used in the mammalian toxicity and ecotoxicity dossiers against the specification of the technical material; (2) the environmental risk assessment for the metal complexes of prochloraz; (3) the potential endocrine disrupting properties of prochloraz on birds. The applicant must submit to each competent authority the information set out in point (3) within two years after the adoption of the OECD test guidelines on endocrine disruption.
Profoxydim	Herbicide	01/08/2011	31/07/2024	Reg. (EU) No 706/2011 (, 2011/14/EU)	Professional	139001-49-3	2 - [[1 E/Z) - [(2 R S) – 2 - (4 – chlorophenoxy) propoxyimino] butyl] – 3 – hydroxy – 5 - [(3 R S; 3 S R) – tetrahydro – 2 H – thiopyran – 3 – yl] cyclohex – 2 - enone	≥ 940 g/kg	PART A Only uses as herbicide in rice may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on profoxydim, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011 shall be taken into account. In this overall assessment, competent authorities shall pay particular attention to: — the protection of groundwater when the active substance is applied in regions with vulnerable soil and/or climatic conditions, — the long-term risk to non-target organisms. Conditions of authorisation shall include risk mitigation measures where appropriate.
Prohexadione	Plant growth regulator	01/01/2012	31/12/2025	Reg. (EU) No 702/2011 (, 2000/50/EC,, 2007/21/EC, 2010/56/EU,, Reg. (EU) No 540/2011), Reg. (EU) No 2019/291	Professional	127277-53-6 (prohexadione-calcium)	3,5-dioxo-4-propionylcyclohexanecarboxylic acid	≥ 890 g/kg (expressed as prohexadione-calcium)	PART A Only uses as plant growth regulator may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on prohexadione and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011 shall be taken into account.
Propamocarb	Fungicide	01/10/2007	31/07/2024	07/25/EC, Reg. (EU) 2018/917, Reg. (EU) 540/2011, Reg. (EU) 2020/869	Professional	CAS No 24579-73-5	Propyl 3-(dimethylamino) propylcarbamate	≥ 920 g/kg	PART A Only uses as fungicide may be authorised. PART B In assessing applications to authorise plant protection products containing propamocarb for uses other than foliar applications, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, as regards worker exposure and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on propamocarb, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 24 November 2006 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operators and workers safety. Conditions of authorisation should include protective measures, where appropriate; — the transfer of soil residues for rotating or succeeding crops; — the protection of surface and groundwater in vulnerable zones; — the protection of birds, mammals and aquatic organisms. Conditions of authorisation should include risk mitigation measures, where appropriate.
Propaquizafop	Herbicide	01/12/2009	30/11/2024	2009/37, Reg. (EU) No 540/2011	Professional	CAS No 111479-05-1	2-isopropylidenamino-oxyethyl (R)-2-[4-(6-chloro-quinoxalin-2-yloxy)phenoxy]propionate	≥ 920 g/kg Toluene maximum content 5 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on propaquizafop, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 January 2009 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the specification of the technical material as commercially manufactured which must be confirmed and supported by appropriate analytical data. The test material used in the toxicity dossiers should be compared and verified against this specification of the technical material, — the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment, — the protection of aquatic organisms and non-target plants and ensure that conditions of authorisation include risk mitigation measures such as buffer zones, where appropriate, — the protection of non-target arthropods and ensure that the conditions of authorisation include, where appropriate, risk mitigation measures.
Propoxycarbazone	Herbicide	01/09/2017	31/08/2032	Reg. (EU) 2017/1115, Reg. (EU) No 540/2011 (, 2003/119/EC,, 2006/45/EC,, Reg. (EU) 2016/2016,, Reg. (EU) No 823/2012)	Professional	CAS No 145026-81-9 (propoxycarbazone) CAS No 181274-15-7 (propoxycarbazone-sodium)	Propoxycarbazone: methyl 2-[(4,5-dihydro-4- methyl-5-oxo-3-propoxy- 1H-1,2,4-triazole-1-carboxamido)sulfonyl]benzoate Propoxycarbazone-sodium: sodium ([2-(methoxycarbonyl)phenyl]sulfonyl)[(4,5-dihydro-4-methyl-5-oxo-3- propoxy-1H-1,2,4-triazol- 1-yl)carbonyl]azanide	≥ 950 g/kg (expressed as propoxy-carbazone-sodium)	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on propoxycarbazone, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of aquatic organisms, in particular aquatic plants and of and non-target terrestrial plants, — the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of use shall include risk mitigation measures, where appropriate. The applicant must submit to each competent authority confirmatory information as regards the effect of water treatment processes on the nature of residues present in drinking water within two years after the issuing of a guidance document on the evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Propyzamide	Herbicide	01/07/2018	30/06/2025	Reg. (EU) 2018/755, Reg. (EU) No 540/2011 (, 03/39/EC,, Reg. (EU) No 2016/2016,, Reg. (EU) No 823/2012,, Reg.(EU) No 84/2018)	Professional	CAS No 23950-58-5	3,5-dichloro-N-(1,1-dimethyl-prop-2-ynyl)benzamide	920 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on propyzamide and in particular Appendices I and II thereof, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the protection of operators, — the protection of groundwater in vulnerable areas, — the protection of birds, mammals, non-target plants, soil and aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate. In particular, personal protective equipment such as gloves, coverall and sturdy footwear has to be worn to ensure that the AOEL is not exceeded for the operator. The applicant shall submit to each competent authority confirmatory information as regards: 1. the completion of assessment of toxicological profile of metabolites identified in significant concentration in primary and rotational crops; 2. the soil degradation of major metabolite RH- 24580; 3.the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or groundwater are abstracted for drinking water. The applicant must submit to each competent authority the information set out in point (3) within two years after the issuing of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Proquinazid	Fungicide	01/08/2010	31/07/2025	2010/25/EU, Reg. (EU) 2017/2069, Reg. (EU) No 540/2011	Professional	CAS No 189278-12-4	6-iodo-2-propoxy-3-propylquinazolin-4(3H)-one	> 950 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on proquinazid, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 22 January 2010 shall be taken into account. In this overall assessment, competent authorities must pay particular attention: — to the long-term risk to earthworm-eating birds for uses in grapevine, — to the risk to aquatic organisms, — the dietary exposure of consumers to proquinazid residues in products of animal origin and in succeeding rotational crops, — to the operator safety. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Prosulfocarb	Herbicide	01/11/2008	31/10/2024	2007/76/EC, Reg (EU) No 2018/1262, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 52888-80-9	S-benzyl dipropyl(thiocarbamat)	970 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on prosulfocarb, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 9 October 2007 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment, — the protection of aquatic organisms and must ensure that the conditions of authorisation include, where appropriate, risk mitigation measures such as buffer zone,— the protection of non-target plants and must ensure that the conditions of authorisation include, where appropriate, risk mitigation measures such as an in-field no spray buffer zone.
Prosulfuron	Herbicide	01/05/2017	31/07/2024	Reg. (EU) 2017/375, Reg. (EU) No 540/2011 (, 02/48/EC,, 2010/77/EU,, Reg. (EU) 2015/1885,, Reg. (EU) 2016/549), Reg (EU) 2020/2007	Professional	CAS No 94125-34-5	1-(4-methoxy-6-methyl -1,3,5-triazin-2-yl)-3-[2-(3,3,3-trifluoropropyl)-phenylsulfonyl]-urea	950 g/kg The impurity 2-(3,3,3-trifluoro-propyl)-benzene sulphonamide shall not exceed 10 g/kg in the technical material.	PART A Use shall be limited to one application every three years on the same field at a maximum dose of 20 g active substance per hectare. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on prosulfuron, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions, — the risk to non-target terrestrial and aquatic plants. Conditions of use shall include risk mitigation measures, where appropriate.
Prothioconazole	Fungicide	01/08/2008	31/07/2024	08/44/EC, Reg. (EU) 2018/917, Reg. (EU) 540/2011, Reg. (EU) 2020/869	Professional	CAS No 178928-70-6	(RS)-2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-1,2,4-triazole-3-thione	≥ 970 g/kg The following manufacturing impurities are of toxicological concern and each of them must not exceed a certain amount in the technical material: — Toluene: < 5 g/kg — Prothioconazole- desthio (2-(1-chlorocyclopropyl)1-(2- chlorophenyl)- 3- (1,2,4-triazol 1-yl)- propan-2-ol): < 0,5 g/kg (LOD)	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on prothioconazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 22 January 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety in spray applications. Conditions of use shall include adequate protective measures, — the protection of aquatic organisms. Risk mitigation measures such as buffer zones shall be applied, where appropriate, — the protection of birds and small mammals. Risk mitigation measures shall be applied, where appropriate. Conditions of use shall include risk mitigation measures, where appropriate.
Pseudomonas chlororaphis strain MA342	Fungicide	01/10/2004	30/04/2024	04/71/EC, REg. (EU) 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) 2016/2016), Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional			The amount of the secondary metabolite 2,3-deepoxy-2,3- didehydro-rhizoxin (DDR) in the fermentate at the point of formulation of the product must not exceed the LOQ (2 mg/l).	Only uses as fungicide for seed dressing in closed seed dressing machinery may be authorised. When granting authorisations, the conclusions of the review report on Pseudomonas chlororaphis, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 30 March 2004 shall be taken into account. In this overall assessment, competent authorities should pay particular attention to the safety of operators and workers. Risk mitigation measures should be applied where appropriate.

Pseudomonas sp. Strain DSMZ 13134	Fungicide	01/02/2014	31/01/2025	Reg. (EU) No 829/2013 (, Dossier complete 08/599/EC), Reg (EU) 2020/2007	Professional	Collection number: DSMZ 13134		Minimum concentration: 3 × 1014 cfu/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Pseudomonas sp. strain DSMZ 13134, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 16 July 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Pseudomonas sp. strain DSMZ 13134 is to be considered as a potential sensitizer. Conditions of use shall include risk mitigation measures, where appropriate.
Pyraclostrobin	Fungicide, Plant growth regulator	01/06/2004	31/01/2024	2009/25/EC, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg. (EU) No 823/2012 (, 2004/30/EC,, Reg. (EU) No 2016/2016,, Reg.(EU) No 84/2018), Reg. EU 2019/2094	Professional	CAS No 175013-18-0	methyl N-(2-{[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxymethyl}phenyl) N-methoxy carbamate	975 g/kg The manufacturing impurity dimethyl sulfate (DMS) is condidered to be of toxicological concern and must not exceed a concentration of 0,0001 % in the technical product.	Only uses as fungicide or plant growth regulator may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pyraclostrobin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 November 2003 shall be taken into account. In this overall assessment competent authorities: — should pay particular attention to the protection of aquatic organisms, especially fish, — should pay particular attention to the protection of terrestrial arthropods and earthworms. Risk mitigation measures should be applied where appropriate.
Pyraflufen-ethyl	Herbicide	01/04/2016	31/03/2031	01/87/EC, Reg. (EU) 2016/182, Reg. (EU) No 540/2011 (, 2010/77/EU,, Reg. (EU) 2015/1885)	General	CAS No 129630-19-9	ethyl [2-chloro-5-(4- chloro-5-difluoromethoxy-1-methylpyrazol-3-yl)-4-fluorophenoxy]acetate	≥ 956 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pyraflufen-ethyl, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of aquatic organisms, — the protection of non-target terrestrial plants. Conditions of use shall include risk mitigation measures, where appropriate.'
Pyrethrins	Insecticide	01/09/2009	31/08/2025	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 798/2013	General	Pyrethrins: 8003-34-7 Extract A: extractives of Chrysanthemum cinerariaefolium: 89997- 63-7 Pyrethrin 1: CAS 121- 21-1 Pyrethrin 2: CAS 121- 29-9 Cinerin 1: CAS 25402- 06-6 Cinerin 2: CAS 121-20-0 Jasmolin 1: CAS 4466- 14-2 Jasmolin 2: CAS 1172- 63-0 Extract B: Pyrethrin 1: CAS 121-21-1 Pyrethrin 2: CAS 121- 29-9 Cinerin 1: CAS 25402- 06-6 Cinerin 2: CAS 121-20-0 Jasmolin 1: CAS 4466- 14-2 Jasmolin 2: CAS 1172- 63-0	Pyrethrins are a complex mixture of chemical substances.	Extract A: ≥ 500 g/kg Pyrethrins Extract B: ≥ 480 g/kg Pyrethrins	PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pyrethrins (SANCO/2627/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to operators and workers; (b) the risk to non-target organisms. Conditions of use shall, where appropriate, include the application of adequate personal protective equipment and other risk mitigation measures.
Pyridaben	Acaricide, Insecticide	01/05/2011	30/04/2026	2010/90/EU, Reg. (EU) No 2018/1260, Reg. (EU) No 540/2011	Licensed	96489-71-3	2-tert-butyl-5-(4-tert- butylbenzylthio)-4-chloropyrididazin-3(2H)- one	>980 g/kg	PART A Only uses as insecticide and acaricide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pyridaben, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 October 2010 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment where appropriate, — the risk to aquatic organisms and mammals, — the risk to non target arthropods including honeybees. Conditions of authorisation should include risk mitigation measures and monitoring programmes should be initiated to verify the real exposure of honeybees to pyridaben in areas extensively used by such bees for foraging or by beekeepers, where and as appropriate.
Pyridalyl	Insecticide	01/07/2014	30/06/2025	Reg. (EU) No 143/2014 (, Dossier complete 07/669/EC), Reg (EU) 2020/2007	Professional	179101-81-6	2,6-dichloro-4-(3,3-dichloroallyloxy)phenyl 3-[5-(trifluoromethyl)- 2-pyridyloxy]propyl ether	≥ 910 g/kg	PART A Only uses in greenhouses with permanent structure may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pyridalyl, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 13 December 2013, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to re-entry workers; (b) the risk to groundwater when the substance is applied in regions with vulnerable soils and/or climatic conditions; (c) the risk to birds, mammals and aquatic organisms. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Pyridate	Herbicide	01/01/2016	31/12/2030	Reg. (EU) 2015/1115, Reg. (EU) No 540/2011 (, 01/21/EC,, 2010/77/EU)	Professional	CAS No 55512-33-9	O-6-chloro-3-phenylpyridazin-4-yl S-octyl thiocarbonate	≥ 900 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pyridate, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to aquatic organisms, non-target terrestrial plants, and herbivorous mammals. Conditions of use shall include risk mitigation measures, where appropriate.
Pyrimethanil	Fungicide	01/06/2007	30/04/2024	2006/74/EC, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 678/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	CAS No 53112-28-0	N-(4,6-dimethylpyrimidin-2-yl) aniline	≥ 975 g/kg (the manufacturing impurity cyanamide is considered to be of toxicological concern and must not exceed 0,5 g/kg in the technical material)	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pyrimethanil, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 May 2006 shall be taken into account. In this overall assessment competent authorities: — must pay particular attention to the protection of aquatic organisms. Conditions of authorisation should include risk mitigation measures, where appropriate, such as buffer zones, — must pay particular attention to the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment.
Pyriofenone	Fungicide	01/02/2014	31/01/2025	Reg. (EU) No 833/2013 (, Dossier complete 2010/785/EU), Reg (EU) 2020/2007	Professional	688046-61-9	(5-chloro-2-methoxy-4-methyl- 3-pyridyl)(4,5,6-trimethoxy-o- tolyl)methanone	≥ 965g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pyriofenone, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 16 July 2013 shall be taken into account. Conditions of use shall include risk mitigation measures, where appropriate.
Pyriproxyfen	Insecticide	01/08/2020	31/07/2035	2010/39/EU, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg (EU) 2020/968	Professional	95737-68-1.	4-phenoxyphenyl (RS)-2(2-pyridyloxy) propyl ether	≥ 970 g/kg From 1 August 2021 Max. impurity: Toluene 5 g/Kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on pyriproxyfen and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment the competent authorities shall pay particular attention to: — the dietary exposure of consumers to residues of pyriproxyfen, — the protection of sediment-dwelling organisms and aquatic organisms, — the protection of bees. As regards the protection of sediment-dwelling organisms and aquatic organisms, for outdoor use of the plant protection products containing pyriproxyfen competent authorities shall include in the specific conditions appropriate risk mitigation measures, e.g. no-spray buffer zones and/or spray drift reduction, to achieve a low risk for sediment-dwelling organisms and aquatic organisms. As regards the protection of bees, for outdoor use of plant protection products containing pyriproxyfen competent authorities shall include in the specific conditions a restriction of application to periods outside of the flowering of bee attractive crops, and appropriate risk mitigation measures, e.g. no-spray buffer zones and/or spray drift reduction, to achieve a low risk for bees and bee larvae. The applicant shall submit to thecompetent authority confirmatory information as regards the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water is abstracted for drinking water. The applicant shall submit the requested confirmatory information within two years from the date of publication, by the Commission, of a guidance document on evaluation of the effect of water treatment processes on the nature of residues present in surface and groundwater.
Pyroxsulam	Herbicide	01/05/2014	30/04/2025	Reg. (EU) No 1176/2013 (, Dossier complete 07/277/EC), Reg (EU) 2020/2007	Professional	422556-08-9	N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2- methoxy-4-(trifluoromethyl)pyridine-3-sulfonamide	≥ 965 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on pyroxsulam, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 October 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to groundwater, when the active substance is applied in regions with vulnerable soil or climatic conditions; (b) the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Pythium oligandrum M1	Fungicide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	Culture collection No ATCC 38472	Not applicable	No relevant impurities	PART A Only uses as fungicide may be authorised PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Pythium oligandrum M1 (SANCO/1864/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Quartz sand	Repellant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 369/2012, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	General	CAS No: 14808-60-7, 7637-86-9	Quartz, Silicon dioxide	≥ 915 g/kg Maximum 0,1 % of particles of Crystalline Silica (with diameter below 50 um.)	PART A Only uses as repellent may be authorised. PART B In assessing applications to authorise plant protection products containing quartz sand for uses other than on trees in forestry, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorization is granted. For the implementation of the uniform principles of Annex VI, the conclusions of the review report on quartz sand (SANCO/2628/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.'

Quinmerac	Herbicide	01/05/2011	31/07/2024	2010/89/EU, Reg. (EU) No 2018/1260, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 90717-03-6		7-chloro-3-methylquinoline-8-carboxylic acid	≥ 980 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on quinmerac, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 October 2010 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of groundwater when the active substance is applied in regions with vulnerable soil and/or climatic conditions; — the dietary exposure of consumers to residues of quinmerac (and its metabolites) in succeeding rotational crops — the risk to aquatic organisms and the long term risk for earthworms. Conditions of use shall include risk mitigation measures, where appropriate.
Quizalofop-P-ethyl	Herbicide	01/12/2009	30/11/2024	2009/37, Reg.(EU) No 2017/555, Reg.(EU) No 540/2011	Professional	100646-51-3		ethyl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionate	≥ 950 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on quizalofop- P, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 January 2009 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the specification of the technical material as commercially manufactured which must be confirmed and supported by appropriate analytical data. The test material used in the toxicity dossiers should be compared and verified against this specification of the technical material, — the operator and worker safety and ensure that conditions of use prescribe the application of adequate personal protective equipment, — the protection of non-target plants and ensure that conditions of authorisation include risk mitigation measures such as buffer zones, where appropriate. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Quizalofop-P-tefuryl	Herbicide	01/12/2009	30/11/2024	2009/37, Reg. (EU) 2017/1530, Reg. (EU) No 540/2011	Professional	119738-06-6		(RS)- Tetrahydrofurfuryl (R)- 2-[4-(6-chloroquinoxalin-2- yloxy)phenoxy]propionate	≥ 795 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on quizalofop- P, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 23 January 2009 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the specification of the technical material as commercially manufactured which must be confirmed and supported by appropriate analytical data. The test material used in the toxicity dossiers should be compared and verified against this specification of the technical material, — the operator and worker safety and ensure that conditions of use prescribe the application of adequate personal protective equipment, — the protection of non-target plants and ensure that conditions of authorisation include risk mitigation measures such as buffer zones, where appropriate. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Repellents by smell of animal or plant origin/ fish oil	Repellant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 597/2012, Reg (EU) No 2020/1160	General	CAS No 100085-40-3		Fish Oil	≥ 99 % Relevant impurity: Dioxine max. 6 pg/kg for animal feed Hg max. 0,5 mg/kg feed derived from fish and other sea food processing Cd max. 2 mg/kg feed of animal origin except in feed for domestic pets Pb max. 10 mg/kg PCBs max. 5 mg/kg	PART A Only uses as repellent may be authorised. Fish oil must be in compliance with Regulation (EC) No 1069/2009 and Regulation (EU) No 142/2011. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on fish oil (SANCO/2629/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 June 2012 shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Repellents by smell of animal or plant origin/ sheep fat	Repellant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg (EU) No 2020/1160	General	CAS No 98999-15-6		Sheep Fat	Pure sheep fat containing a maximum of 0,18 % w/w/water.	PART A Only uses as repellent may be authorised. Sheep fat must be in compliance with Regulation (EC) No 1069/2009 PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sheep fat (SANCO/2630/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Rescalure	Insecticide	18/12/2015	18/12/2025	Reg. (EU) 2015/2198, Reg. (EU) No 540/2011	General	67601-06-3		(3S,6R)-(3S,6S)-6-isopropenyl-3-methyldec- 9-en-1-yl acetate	≥ 750 g/kg The ratio of (3S,6R)/(3S,6S) shall be in a range of 55/45 to 45/55. The purity range for each isomer shall be 337,5 g/kg to 412,5 g/kg.	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on rescalure, and in particular Appendices I and II thereof, shall be taken into account.
Rimsulfuron (aka renriduron)	Herbicide	01/02/2007	30/04/2024	06/39/EC, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 487/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	CAS No 122931-48-0 (rimsulfuron)		1-(4-6 dimethoxypyrimidin-2-yl)-3-(3-ethylsulfonyl-2-pyridylsulfonyl) urea	≥ 960 g/kg (expressed as rimsulfuron)	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on rimsulfuron, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 27 January 2006 shall be taken into account. competent authorities must pay particular attention to the protection of non target plants and groundwater in vulnerable situations. Conditions of authorisation should include risk mitigation measures, where appropriate.
S-Abscisic acid	Plant growth regulator	01/07/2014	30/09/2024	Reg. (EU) No 151/2014 (, Dossier complete (2011/253/EU)), Reg (EU) 2020/2007	Professional	21293-29-8		(2Z,4E)-5-[(1S)-1-hydroxy-2,6,6- trimethyl-4-oxocyclohex-2-en-1-yl]- 3-methylpenta-2,4-dienoic acid or (7E,9Z)-(6S)-6-hydroxy-3-oxo-11- apo-ε-caroten-11-oic acid	960 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on S-abscisic acid, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 13 December 2013, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Saccharomyces cerevisiae strain LAS02	Fungicide	06/07/2016	06/07/2031	Reg. (EU) 2016/952, Reg. (EU) No 540/2011	Professional		Accession number in the collection of the 'Collection Nationale de Cultures de Microorganismes' (CNCM) of the Pasteur Institute: CNCM I-3936	Not applicable	Minimum concentration: 1 × 1013 CFU/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Saccharomyces cerevisiae strain LAS02, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Saccharomyces cerevisiae strain LAS02 is to be considered as a potential sensitizer. Conditions of use shall include risk mitigation measures, where appropriate. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer.
Salix spp. cortex	Fungicide	01/07/2015		Reg. (EU) 2015/1107, Reg. (EU) No 540/2011	Professional	not allocated		Not applicable	European Pharmacopeia	Salix cortex shall be used in accordance with the specific conditions included in the conclusions of the review report on Salix spp. cortex (SANCO/12173/2014) and in particular Appendices I and II thereof.
Sedaxane	Fungicide	01/02/2014	31/05/2025	Reg. (EU) No 826/2013 (, 2011/123/EU), Reg (EU) 2020/2007	Professional	874967-67-6 (trans isomer: 599197-38-3/cis isomer: 599194-51-1)		mixture of 2 cis-isomers 2'-[(1RS,2RS)-1,1'-bicyclopropr-2-yl]-3- (difluoromethyl)-1-methylpyrazole-4- carboxanilide and 2 trans-isomers 2'-[(1RS,2SR)-1,1' - bicyclopropr-2-yl]-3-(difluoromethyl)-1- methylpyrazole-4- carboxanilide	≥ 960 g/kg Sedaxane (range 820-890 g/kg for the 2 trans-isomers 50:50 mixture of enantiomers and range 100-150 g/kg for the 2 cis-isomers 50:50 mixture of enantiomers)	PART A Only uses for seed treatment may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sedaxane, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 16 July 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions; (b) the long-term risk to birds and mammals. Conditions of authorisation shall include risk mitigation measures, where appropriate. The competent authorities concerned shall carry out monitoring programmes to verify potential groundwater contamination from the metabolite CSCD465008 in vulnerable zones, where appropriate. The competent authorities concerned shall request the submission of confirmatory information as regards the relevance of the metabolite CSCD465008, and the corresponding groundwater risk assessment, if sedaxane is classified under Regulation (EC) No 1272/2008 as 'suspected of causing cancer'. The notifier must submit to each competent authority the relevant information within six months of the notification of the classification decision for sedaxane.
Silthiofam	Fungicide	01/07/2018	30/06/2033	03/84/EC, Reg. (EU) 2018/710, Reg. (EU) No 540/2011 (, Reg. (EU) 2016/950,, Reg. (EU) 2017/1511,, Reg. (EU) No 823/2012)	Professional	CAS No 175217-20-6		N-allyl-4,5-dimethyl-2-(trimethylsilyl)thiophene-3-carboxamide	≥ 980 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on silthiofam and in particular Appendices I and II thereof, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the protection of operators, — the protection of groundwater in vulnerable regions, — the protection of birds, mammals and earthworms. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit to each competent authority confirmatory information as regards: 1.the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or groundwater are abstracted for drinking water; 2.the relevance of the metabolites M2 and M6 taking into account any relevant classification for silthiofam in accordance with Regulation (EC) No 1272/2008, in particular as reprotoxic category 2. The applicant shall submit the information mentioned in point (1) within two years after 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 competent authority and the information requested under point (2) within six months of the notification of the classification decision for Silthiofam.
Sintofen (aka Cintofen)	Plant growth regulator	01/06/2011	31/08/2024	2011/40/EU, Reg. (EU) No 2018/1266, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 130561-48-7		1-(4-chlorophenyl)-1,4-dihydro-5-(2-methoxyethoxy)-4-oxocinnoline-3-carboxylic acid	≥ 980 g/kg Impurities: 2-methoxyethanol, not more than 0,25 g/kg N,N-dimethylformamide, not more than 1,5 g/kg	PART A Only uses as a plant growth regulator on wheat for hybrid seed production not intended for human consumption may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sintofen, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to operators and workers and shall ensure that conditions of use include the application of adequate risk mitigation measures. They shall ensure that wheat treated with sintofen does not enter the food and feed chain.
S-Metolachlor	Herbicide	01/04/2005	31/07/2024	05/3/EC, Reg. (EU) 2018/917, Reg. (EU) No 540/2011 (, Reg. (EU) 2017/841), Reg. (EU) 2020/869	Professional	CAS No 87392-12-9 (S-isomer) 178961-20-1 (R-isomer)		Mixture of: (aRS, 1 S)-2-chloro-N-(6- ethyl-o-tolyl)-N-(2- methoxy-1- methylethyl)acetamide (80-100 %) and: (aRS, 1 R)-2-chloro-N-(6- ethyl-o-tolyl)-N-(2-methoxy-1- methylethyl)acetamide (20-0 %)	≥ 960 g/kg	Only uses as herbicide may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on s-metolachlor, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 8 October 2004 shall be taken into account. In this overall assessment competent authorities: — should pay particular attention to the potential for groundwater contamination, particularly of the active substance and its metabolites CGA 51202 and CGA 354743, when the active substance is applied in regions with vulnerable soil and/or climatic conditions, — should pay particular attention to the protection of aquatic plants. Risk mitigation measures should be applied where appropriate.
Sodium 5-nitroguaiacolate	Plant growth regulator	01/11/2009	31/10/2025	2009/11, Reg. (EU) No 540/2011	Professional	CAS No 67233-85-6		Sodium 2-methoxy-5-nitrophenolate	≥ 980 g/kg	PART A Only use as plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sodium 5- nitroguaiacolate, sodium o-nitrophenolate and sodium p-nitrophenolate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 2 December 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the specification of the technical material as commercially manufactured, which must be confirmed and supported by appropriate analytical data. The test material used in the toxicity dossiers should be compared and verified against this specification of the technical material, — the protection of the operators and workers safety. Authorised conditions of use must prescribe the application of adequate personal protective equipment and risk mitigation measures to reduce the exposure, — the protection of the groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation should include risk mitigation measures, where appropriate.
Sodium chloride	Fungicide, Insecticide	28/09/2017		2004/129/EC, Reg. (EU) 2017/1529	General	7647-14-5		Sodium chloride	970 g/kg Food grade	Only uses as basic substance being a fungicide and insecticide are approved. Sodium chloride shall be used in accordance with the specific conditions included in the conclusions of the review report on sodium chloride (SANTE/10383/2017) and in particular Appendices I and II thereof.

Sodium hydrogen carbonate	Fungicide, Herbicide	01/10/2020	01/10/2035	Reg. (EU) 2015/2069, Reg. (EU) No 540/2011 (, 2007/442), Reg. (EU) No 2020/1263	Professional	144-55-8	Sodium hydrogen carbonate	≥ 990 g/kg Arsenic ≤ 3 mg/kg Lead ≤ 2 mg/kg Mercury ≤ 1 mg/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sodium hydrogen carbonate, and in particular Appendices I and II thereof, shall be taken into account.
Sodium o-nitrophenolate	Plant growth regulator	01/11/2009	31/10/2025	2009/11, Reg. (EU) No 540/2011	Professional	CAS No 824-39-5	Sodium 2-nitrophenolate; sodium o-nitrophenolate	≥ 980 g/kg The following impurities are of toxicological concern: Phenol Max content: 0,1 g/kg 2,4 dinitrophenol max content: 0,14 g/kg 2,6 dinitrophenol max content: 0,32 g/kg	PART A Only use as plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sodium 5- nitroguaiacolate, sodium o-nitrophenolate and sodium p-nitrophenolate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 2 December 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the specification of the technical material as commercially manufactured, which must be confirmed and supported by appropriate analytical data. The test material used in the toxicity dossiers should be compared and verified against this specification of the technical material, — the protection of the operators and workers safety. Authorised conditions of use must prescribe the application of adequate personal protective equipment and risk mitigation measures to reduce the exposure, — the protection of the groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation should include risk mitigation measures, where appropriate.
Sodium p-nitrophenolate	Plant growth regulator	01/11/2009	31/10/2025	2009/11, Reg. (EU) No 540/2011	Professional	CAS No 824-78-2	Sodium 4-nitrophenolate; sodium p-nitrophenolate	≥ 998 g/kg The following impurities are of toxicological concern: Phenol max content: 0,1 g/kg 2,4 dinitrophenol max content: 0,07 g/kg 2,6 dinitrophenol max content: 0,09 g/kg	PART A Only use as plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sodium 5- nitroguaiacolate, sodium o-nitrophenolate and sodium p-nitrophenolate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 2 December 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the specification of the technical material as commercially manufactured, which must be confirmed and supported by appropriate analytical data. The test material used in the toxicity dossiers should be compared and verified against this specification of the technical material, — the protection of the operators and workers safety. Authorised conditions of use must prescribe the application of adequate personal protective equipment and risk mitigation measures to reduce the exposure, — the protection of the groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation should include risk mitigation measures, where appropriate.
Sodium silver thiosulphate	Plant growth regulator	01/05/2014	31/07/2024	Reg. (EU) No 1195/2013, Reg. (EU) No 540/2011 (, 2003/850/EC), Reg (EU) 2020/2007	Professional	not allocated	Not applicable	≥ 10,0 g Ag/kg Expressed as silver (Ag)	PART A Only indoor uses in non-edible crops shall be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sodium silver thiosulfate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 October 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to (a) the protection of operators and workers; (b) limiting the possible release of silver ions through disposal of used solutions; (c) the risk to terrestric vertebrates and soil invertebrates from the use of sewage sludge in agriculture. Conditions of use shall include risk mitigation measures, where appropriate.'
Spinetoram	Insecticide	01/07/2014	30/09/2024	Reg. (EU) No 140/2014, Reg. (EU) No 540/2011 (, Dossier complete 08/740/EC), Reg (EU) 2020/2007	Professional	935545-74-7	XDE-175-J (Major factor) (2R,3aR,5aR,5b5,9S,13S,14R,16aS, 16bR)-2-(6- deoxy-3-O-ethyl-2,4-di-O-methyl-α-L-mannopyranosyloxy)-13-[(2R,5S,6R)-5-(dimethylamino)tetrahydro-6-methylpyran-2-yloxy]-9-ethyl-2,3,3a,4,5,5a,5b,6,9,10,11,12,13,14,16a,16b-hexadecahydro-14-methyl-1H-as-indaceno[3,2-d]oxacyclododecine-7,15-dione XDE_175-L (Minor factor) (2S,3aR,5aS,5bS,9S,13S,14R,16aS,16bS)-2-(6-deoxy-3-O-ethyl-2,4-di-O-methyl-α-L-mannopyranosyloxy)-13-[(2R,5S,6R)-5-(dimethylamino)tetrahydro-6-methylpyran-2-yloxy]-9-ethyl- 2,3,3a,5a,5b,6,9,10,11,12,13,14,16a,16b-tetradecahydro-4,14-dimethyl-1H-as-indaceno[3,2-d]oxacyclododecine-7,15-dione	≥ 830 g/kg 50-90 % XDE-175-J; and 50-10 % XDE-175-L Tolerance limits (g/kg): XDE-175-J = 581-810 XDE-175-L = 83-270	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on spinetoram, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 13 December 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to aquatic and soil organisms; (b) the risk to non-target arthropods in-field; (c) the risk to bees during the application (overspray) and subsequently. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards the equivalence between the stereochemistry of metabolites identified in the metabolism/degradation studies and in the testing material used for the toxicity and ecotoxicity studies. The applicant shall submit to each competent authority the relevant information within 6 months after the adoption of pertinent guidance on the assessment of isomers.
Spinosad	Insecticide	01/02/2007	30/04/2024	07/6/EC, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 487/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	131929-60-7 (Spinosyn A) 131929-63-0 (Spinosyn D)	Spinosyn A: (2R,3aS,5aR,5bS,9S,13S, 14R,16aS,16bR)-2-(6- deoxy-2,3,4-tri-O-methyl- α-L-mannopyranosyloxy)- 13-(4-dimethylamino- 2,3,4,6-tetradeoxy-8-D- erythropyranosyloxy)-9- ethyl-2,3,3a,5a,5b,6,7,9,10, 11,12,13,14,15,16a,16b-hexadecahydro-14-methyl- 1H-8-oxacyclododeca[b]as- indacene-7,15-dione Spinosyn D: (2S,3aR,5aS,5bS,9S,13S, 14R,16aS,16bS)-2-(6-deoxy-2,3,4-tri-O-methyl- α-L-mannopyranosyloxy)-13-(4-dimethylamino- 2,3,4,6-tetradeoxy-8-D-erythropyranosyloxy)-9- ethyl-2,3,3a,5a,5b,6,7,9,10, 11,12,13,14,15,16a,16b- hexadecahydro-14-methyl- 1H-8-oxacyclododeca[b]as-indacene-7,15-dione Spinosad is a mixture of 50-95 % spinosyn A and 5-50 % spinosyn D	≥ 850 g/kg	PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on spinosad, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 14 July 2006 shall be taken into account. In this overall assessment competent authorities — must pay particular attention to the protection of aquatic organisms; — must pay particular attention to the risk to earthworms when the substance is used in glasshouses. Conditions of use shall include risk mitigation measures, where appropriate.
Spiromesifen	Acaricide, Insecticide	01/10/2013	30/09/2026	Reg. (EU) No 375/2013 (, 2011/252/EU,, Dossier complete 03/105/EC)	Professional	283594-90-1	3-mesityl-2-oxo-1- oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutyrate	≥ 965 g/kg (racemic) The impurity N,N-dimethylacetamide is of toxicological relevance and must not exceed 4 g/kg in the technical material.	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on spiromesifen, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 March 2013, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the long-term risk to aquatic invertebrates, — the risk to pollinating hymenoptera and non-target arthropods if exposure is not negligible, — the protection of workers and operators. Conditions of use shall include risk mitigation measures, where appropriate.
Spirotetramat	Insecticide	01/05/2014	31/07/2024	Reg. (EU) No 1177/2013 (, Dossier complete 07/560/EC), Reg (EU) 2020/2007	Professional	203313-25-1	cis-4-(ethoxycarbonyloxy)- 8-methoxy-3-(2,5-xylyl)-1-azaspiro[4.5]dec-3-en-2-one	≥ 970 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on spirotetramat, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 October 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to insectivorous birds. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit confirmatory information as regards the potential for endocrine disruptor effects in birds and fish to each competent authority within two years after the adoption of the OECD test guidelines on endocrine disruption or, alternatively, of test guidelines set by the competent authority.
Spiroxamine	Fungicide	01/01/2012	31/12/2026	Reg. (EU) No 797/2011 (, 2007/21/EC,, 99/73/EC,, Reg. (EU) No 540/2011), Reg. (EU) No 2019/291	Professional	CAS No 1181134-30-8	8-tert-butyl-1,4-dioxaspiro [4.5]decan-2-ylmethyl(ethyl) (propyl)amine (ISO)	≥ 940 g/kg (diastereomers A and B combined)	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on spiroxamine, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (1) the risk to operators and workers and ensure that conditions of use include the application of adequate personal protective equipment; (2) the protection of the groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions; (3) the risk to aquatic organisms. Conditions of authorisation shall include risk mitigation measures, where appropriate. The notifier shall submit confirmatory information as regards: (a) the possible impact on the worker, the consumer and the environmental risk assessment of the potential stereo- selective degradation of each isomer in plant, animals and the environment; (b) the toxicity of the plant metabolites formed in fruit crops and the potential hydrolysis of fruit crop residues in processed commodities; (c) the groundwater exposure assessment for metabolite M03 (*); (d) the risk to aquatic organisms. The applicant must submit to each competent authority the information set out in point (a) within two years after the issuing of specific guidance.
Spodoptera littoralis nucleopolyhedrovirus	Insecticide	01/06/2013	31/05/2026	Reg. (EU) No 367/2013 (, Dossier complete 07/669/EC)	Professional	DSMZ number: BV-0005		Maximum concentration: 1 × 1012 OB/l (occlusion bodies/l)	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Spodoptera littoralis nucleopolyhedrovirus, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 15 March 2013 shall be taken into account.
Straight Chain Lepidopteran Pheromones	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional		Review report (SANCO/2633/2008)	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Streptomyces K61 (formerly S. griseoviridis)	Fungicide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	(formerly S. griseoviridis) STRAIN: K61 Culture collection: No DSM 7206	Not applicable	No relevant impurities	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Streptomyces (formerly Streptomyces griseoviridis) K61 (SANCO/1865/2008), and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Streptomyces lydicus WYEC 108	Fungicide, Bactericide	01/01/2015	31/12/2025	Reg. (EU) No 917/2014 (, Dossier complete (2011/253/EU)), Reg (EU) 2020/2007	Professional	Collection number: American Type Culture Collection (USDA) ATCC 55445		Minimum concentration: 5,0 × 108 CFU/g	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Streptomyces lydicus strain WYEC 108, and in particular Appendices I and II thereto, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 11 July 2014 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to aquatic organisms; (b) the risk to soil dwelling organisms. Conditions of use shall include risk mitigation measures, where appropriate.

Sucrose	Elicitor	01/01/2015		Reg. (EU) No 916/2014	General	57-50-1	α-D-glucopyranosyl-(1→2)-β-D-fructofuranoside or β-D-fructofuranosyl- (2→1)-α-D-glucopyranoside	Food grade	Only uses as basic substance being an elicitor of the crop's natural defence mechanisms are approved. Sucrose shall be used in accordance with the specific conditions included in the conclusions of the review report on sucrose (SANCO/11406/2014) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 11 July 2014.
Sulcotrione	Herbicide	01/09/2009	31/08/2025	2008/125, Reg. (EU) 2017/195, Reg. (EU) No 540/2011	Professional	CAS No 99105-77-8	2-(2-chloro-4-mesylbenzoyl)cyclohexane-1,3-dione	≥ 950 g/kg Impurities: — hydrogen cyanide: not more than 80 mg/kg — toluene: not more than 4 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sulcotrione, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 October 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment where appropriate; — the risk to insectivorous birds, aquatic and terrestrial non-target plants, and non- target arthropods. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Sulfosulfuron	Herbicide	01/01/2016	31/12/2030	Reg. (EU) 2015/1154, Reg. (EU) No 540/2011 (, 02/48/EC., 2010/77/EU)	General	CAS No 141776-32-1	1-(4,6-dimethoxypyrimidin-2-yl)-3-(2-ethylsulfonylimidazo[1,2-a] pyridine-3-ylsulfonyl) urea	≥ 980 g/kg The following relevant impurity must not exceed a certain threshold in the technical material: Phenol: < 2 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sulfosulfuron, and in particular Appendices I and II thereof shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk to soil non-target macro-organisms other than earthworms, non-target terrestrial plants and aquatic organisms.
Sulfoxaflor	Insecticide	18/08/2015	18/08/2025	Reg. (EU) 2015/1295, Reg. (EU) No 540/2011	Professional	946578-00-3	[methyl(oxo)[1-[6-(trifluoromethyl)-3-pyridyl] ethyl]-λ6-sulfanylidene] cyanamide	≥ 950 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sulfoxaflor, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the risk to bees and other non-target arthropods; (b)the risk to bees and bumble bees released for pollination, when the substance is applied in glasshouses. Conditions of use shall include risk mitigation measures, where appropriate.
Sulfuryl fluoride	Insecticide	01/11/2010	31/10/2026	2010/38/EU, Reg. (EU) 2017/270, Reg. (EU) 2018/184, Reg. (EU) 540/2011	Professional	CAS No 002699-79-8	Sulfuryl fluoride	> 994 g/kg	'PART A Only uses as insecticide/nematicide (fumigant) applied by professional users in sealable structures may be authorised insofar: (a) these structures are empty; or (b) where food or feed commodities are present in a fumigated facility, the users and the food business operators ensure that only the food or feed commodities compliant with the existing maximum residue levels for sulfuryl fluoride and fluoride ion set by Regulation (EC) No 396/2005 of the European Parliament and of the Council (*) may enter the food and feed chain; to this purpose, the users and the food business operators shall fully implement measures equivalent to the HACCP principles as laid down in Article 5 of Regulation (EC) No 852/2004 of the European Parliament and of the Council (**); in particular, the users shall identify the critical control point at which control is essential to prevent maximum residue levels to be exceeded, and establish and implement effective monitoring procedures at that critical control point. PART B For the implementation of the uniform principles, as referred to in Article 29(6)a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sulfuryl fluoride, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 7 December 2016 shall be taken into account. In this overall assessment, competent authorities must pay particular attention to: — the risk posed by inorganic fluoride through contaminated products, such as flour and bran that remained in the mill machinery during fumigation, or grain stored in silos in the mill. Measures are required to ensure that only products complying with the existing MRLs enter the food and feed chain; — the risk to operators and the risk to workers, such as when re-entering a fumigated structure after aeration. Measures are required to ensure that they wear self-containing breathing apparatus or other appropriate personal protective equipment; — the risk to bystanders by applying an appropriate exclusion zone around the fumigated structure. Conditions of authorisation shall include risk mitigation measures, where appropriate. The notifier shall submit to each competent authority monitoring data on tropospheric concentrations of sulfuryl fluoride every fifth year, starting from 30 June 2022. The limit of detection for the analysis shall be at least 0,5 ppt (equivalent to 2,1 ng sulfuryl fluoride/m3 of tropospheric air). (*)Regulation (EC) No 396/2005 of the European Parliament and of the Council of 23 February 2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC (OJ L 70, 16.3.2005, p. 1). (**)Regulation (EC) No 852/2004 of the European Parliament and of the Council of 29 April 2004 on the hygiene of foodstuffs (OJ L 139, 30.4.2004, p. 1).' 17.2.2017 L 40/50 Official Journal of the European Union EN
Sulphur	Fungicide, Acaricide, Repellant	01/01/2010	31/12/2024	2009/70, Reg. (EU) No 540/2011, Reg. (EU) 2020/1511	General	CAS No 7704-34-9	sulphur	≥ 990 g/kg	PART A Only uses as fungicide and acaricide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)a) of Regulation (EC) No 1107/2009, the conclusions of the review report on sulphur, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 12 March 2009 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of birds, mammals, aquatic organisms and non-target arthropods. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Sunflower oil	Fungicide	02/12/2016		Reg. (EU) 2016/1978 (, 2007/442)	General	8001-21-6	Sunflower oil	Food grade	Sunflower oil shall be used in accordance with the specific conditions included in the conclusions of the review report on sunflower oil (SANTE/10875/2016) and in particular Appendices I and II thereof.
Talc E553B		28/05/2018		Reg (EU) 2018/691	General	14807-96-6	Magnesium hydrogen metasilicate silicate mineral	Food grade in conformity with Commission Regulation (EU) No 231/2012(2). < 0,1 % of respirable Crystalline Silica	Talc E553B shall be used in accordance with the specific conditions included in the conclusions of the review report on Talc E553B (SANTE/11639/2017) and in particular Appendices I and II thereof.
tau-Fluvalinate	Insecticide	01/06/2011	31/08/2024	2011/19/EU, Reg.(EU) No 2018/1266, Reg.(EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 102851-06-9	(RS)-α-cyano-3-phenoxybenzyl N-(2-chloro- α,α α-trifluoro-p-tolyl)-D-valinate (isomer ratio 1:1)	≥ 920 g/kg (1:1 ratio of R-α- cyano and S-α-cyano isomers) Impurities: Toluene: not more than 5 g/kg	PART A Only uses as insecticide and acaricide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)a) of Regulation (EC) No 1107/2009, the conclusions of the review report on tau- fluvalinate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 January 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the risk to aquatic organisms and ensure that conditions of use prescribe the application of adequate risk mitigation measures; — the risk to non-target arthropods and ensure that conditions of use prescribe the application of adequate risk mitigation measures; — the test material used in the toxicity dossiers shall be compared and verified against the specification of the technical material commercially manufactured. The applicant must submit to each competent authority confirmatory information addressing the possible impact on the environment of the potential enantio-selective degradation in environmental matrices, within two years after the issuing of specific guidance.
Tebuconazole	Fungicide	01/09/2009	31/08/2024	2008/125, Reg. (EU) No 540/2011, Reg. (EU) No 921/2014, Reg (EU) No 2020/1160	General	CAS No 107534-96-3	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)-pentan-3-ol	≥ 905 g/kg	'PART A Only uses as fungicide and plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)a) of Regulation (EC) No 1107/2009, the conclusions of the review report on tebuconazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 October 2008 shall be taken into account. In this overall assessment competent authorities 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 dietary exposure of consumers to the tebuconazole (triazole) metabolites; — the potential for groundwater contamination, when the active substance is applied in regions with vulnerable soil or climatic conditions, in particular as regards the occurrence in groundwater of the metabolite 1,2,4-triazole; — the protection of granivorous birds and mammals and herbivorous mammals and must ensure that the conditions of authorisation include, where appropriate, risk mitigation measures; — the protection of aquatic organisms and must ensure that conditions of authorisation include risk mitigation measures such as buffer zones, where appropriate. The notifier must submit to each competent authority further information addressing the potential endocrine disrupting properties of tebuconazole within two years after the adoption of the OECD test guidelines on endocrine disruption or, alternatively, the issuing of test guidelines set by the competent authority.
Tebufenozide	Insecticide	01/06/2011	31/08/2024	2011/60/EU, Reg. (EU) 2018/1266, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 112410-23-8	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide	≥ 970 g/kg Relevant impurity t-butyl hydrazine < 0,001 g/kg	PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)a) of Regulation (EC) No 1107/2009, the conclusions of the review report on tebufenozide, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 11 March 2011 shall be taken into account. In this overall assessment competent authorities shall: — pay particular attention to the safety of operators and workers after re-entry and ensure that conditions of authorisation prescribe appropriate protective equipment; — pay particular attention to the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions; — pay particular attention to the protection of aquatic organism and ensure that conditions of use prescribe adequate mitigation measures; — pay particular attention to the risk to Lepidoptera non-target insects. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Tebufenpyrad	Acaricide	01/11/2009	31/10/2025	2009/11, Reg. (EU) No 540/2011	Professional	CAS No 119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide	≥ 980 g/kg	PART A Only uses as acaricide and insecticide may be authorised. PART B In assessing applications to authorise plant protection products containing tebufenpyrad in formulations other than water soluble bags competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)a) of Regulation (EC) No 1107/2009, the conclusions of the review report on tebufenpyrad, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 2 December 2008 shall be taken into account. In this overall assessment competent authorities 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 aquatic organisms and must ensure that conditions of authorisation include risk mitigation measures such as buffer zones, where appropriate, — the protection of insectivorous birds and must ensure that the conditions of authorisation include, where appropriate, risk mitigation measures.
Tefluthrin	Insecticide	01/01/2012	31/12/2024	Reg. (EU) No 800/2011 (, 2008/934/EC), Reg. (EU) No 2019/291	Professional	79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl (1RS, 3RS)-3-[(Z)-2-chloro-3,3,3-trifluoroprop- 1-enyl]-2,2-dimethylcyclopropanecarboxylate Tefluthrin is a 1:1 mixture of Z-(1R, 3R) and Z-(1S, 3S) enantiomers.	≥ 920 g/kg Hexachlorobenzene: not more than 1 mg/kg	PART A Only uses as insecticide may be authorised. The seed coating shall only be performed in professional seed treatment facilities. These facilities shall apply the best available techniques in order to exclude the release of dust clouds during storage, transport and application. PART B For the implementation of the uniform principles, as referred to in Article 29(6)a) of Regulation (EC) No 1107/2009, the conclusions of the review report on tefluthrin, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the operators and workers safety and include among the authorised conditions of use the application of adequate personal protective equipment as well as respiratory protective equipment, — the risk to birds and mammals. Risk mitigation measures should be applied to grant a high degree of incorporation in soil and avoidance of spillage, — ensure that the label of treated seed includes the indication that the seeds were treated with tefluthrin and sets out the risk mitigation measures provided for in the authorisation. The applicant shall submit confirmatory information as regards: (1) the specification of the technical material, as commercially manufactured; (2) a validated analytical method for water; (3) the possible environmental impact of the preferential degradation/conversion of the isomers and an estimation of the relative toxicity and risk assessment for the workers. The applicant must submit to each competent authority the information set out in point (3) within two years after the issuing of a specific guidance document on evaluation of isomers mixture.

Tembotrione	Herbicide	01/05/2014	31/07/2024	Reg. (EU) No 1192/2013, Reg. (EU) No 540/2011 (, 2006/586/EC), Reg (EU) 2020/1295, Reg (EU) 2020/2007	Professional	335104-84-2	2-[2-chloro-4-mesyl-3- [(2,2,2-trifluoroethoxy)methyl]benzoyl]cyclohexane-1,3-dione	≥ 945 g/kg The following relevant impurities must not exceed a certain threshold in the technical material: Toluene: ≤ 10 g/kg HCN: ≤ 1 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on tembotrione, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 3 October 2013, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the protection of operators and workers; (b) the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Terbuthylazine	Herbicide	01/01/2012	31/12/2024	Reg. (EU) No 820/2011 (, 2008/934/EC), Reg. (EU) No 2019/291	Professional	5915-41-3	N2-tert-butyl-6- chloro-N4-ethyl-1,3,5- triazine-2,4-diamine	≥ 950 g/kg Impurities: Propazine not more than 10 g/kg Atrazine not more than 1 g/kg Simazine not more than 30 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on terbuthylazine, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the protection of groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions; (b) the risk to mammals and earthworms. Conditions of use shall include risk mitigation measures and the obligation to carry out monitoring programmes to verify potential groundwater contamination in vulnerable zones, where appropriate. The applicant shall submit confirmatory information as regards: (1) the specification of the technical material, as commercially manufactured, by appropriate analytical data, including information on the relevance of the impurities; (2) the equivalence between the specifications of the technical material, as commercially manufactured, and the specifications of the test material used in the toxicity studies; (3) groundwater exposure assessment for the unidentified metabolites LM1, LM2, LM3, LM4, LM5 and LM6; (4) the relevance of the metabolites MT1 (N-tert-butyl-6-chloro-1,3,5- triazine-2,4-diamine), MT 13 (4-(tert-butylamino)-6-(ethylamino)-1,3,5- triazin-2-ol or 6-hydroxy-N2-ethyl-N4-tert-butyl-1,3,5-triazine-2,4- diamine), MT14 (4-amino-6-(tert-butylamino)-1,3,5-triazin-2-ol or N- tert-butyl-6-hydroxy-1,3,5-triazine-2,4-diamine), and of the unidentified metabolites LM1, LM2, LM3, LM4, LM5 and LM6 with respect to cancer, if terbuthylazine is classified under Regulation (EC) No 1272/2008 as "suspected of causing cancer". The applicant must submit to each competent authority the information set out in point (4) within six months of the notification of the classification decision concerning for terbuthylazine.
Terpenoid blend QRD-460	Acaricide, Insecticide	10/08/2015	10/08/2025	Reg. (EU) 2015/1192, Reg. (EU) No 540/2011	General		Terpenoid blend QRD 460 is a blend of three components: —α-terpinene: 1-isopropyl-4-methylcyclohexa- 1,3-diene; — p-cymene: 1-isopropyl- 4-methylbenzene; —d-limonene: (R)-4-isopropenyl-1-methylcyclohexene.	The nominal concentration of each component in the active substance as manufactured should be as follows: — α-terpinene: 59,7 %; — p-cymene: 22,4 %; — d-limonene: 17,9 %. Each component should have a minimum purity as follows: — α-terpinene: 89 %; — p-cymene: 97 %; — d-limonene: 93 %.	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on terpenoid blend QRD-460, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: (a) the stability of formulations on storage; (b)the protection of operators and workers, ensuring that conditions of use include the application of adequate personal protective equipment, where appropriate; (c) the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions; (d) the protection of surface water and aquatic organisms; (e) the protection of bees and non-target arthropods. Conditions of use shall include risk mitigation measures, where appropriate.
Tetraconazole	Fungicide	01/01/2010	31/12/2024	2009/82/EU, Reg. (EU) No 540/2011	General	CAS No 112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)-propyl-1.1,2,2-tetrafluoroethyl ether	≥ 950 g/kg (racemic mixture) Impurity toluene: not more than 13 g/kg	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on tetraconazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 26 February 2009 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the protection of aquatic organisms and non-target plants; in relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate, — the protection of the groundwater, when the active substance is applied in regions with vulnerable soil and/or climatic conditions.
Tetradecan-1-ol	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional	112-72-1	tetradecan-1-ol	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Thiabendazole	Fungicide	01/04/2017	31/03/2032	Reg. (EU) 2017/157, Reg. (EU) No 540/2011 (, 01/21/EC,, 2010/77/EU,, Reg. (EU) 2015/1885,, Reg. (EU) 2016/549)	General	CAS No 148-79-8	2-(thiazol-4-yl) benzimidazole	985 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on thiabendazole, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of operators and consumers, — the protection of groundwater, — the control of waste water from post-harvest uses. Conditions of use shall include risk mitigation measures, where appropriate.
Thiencarbazone	Herbicide	01/07/2014	30/09/2024	Reg. (EU) No 145/2014 (, Dossier complete 08/566/EC), Reg (EU) 2020/2007	Professional	317815-83-1	Methyl 4-[(4,5-dihydro-3- methoxy-4-methyl-5-oxo-1H-1,2,4-triazol-1- yl)carbonylsulfamoyl)-5-methylthiophene-3- carboxylate	≥ 950 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on thiencarbazone, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 13 December 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to (a) the risk to groundwater if the substance is applied under vulnerable geographical or climatic conditions; (b) the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Thifensulfuron-methyl	Herbicide	01/11/2016	31/10/2031	01/99/EC, Reg. (EU) 2016/1424, Reg. (EU) 2016/549, Reg. (EU) No 540/2011 (, 2010/77/EU,, Reg. (EU) 2015/1885)	Professional	CAS No 79277-27-3	methyl 3-(4-methoxy-6-methyl-1,3,5- triazin-2-ylcarbamoylsulfamoyl)thiophene-2-carboxylate	≥ 960 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on thifensulfuron-methyl, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of groundwater; — the protection of non-target plants and aquatic organisms. Conditions of use shall include risk mitigation measures and the obligation to monitor the groundwater, where appropriate. The applicant shall submit to each competent authority confirmatory information as regards: (1) the absence of genotoxicity of metabolites IN-A4098 and its derivative IN-B5528, IN-A5546 and IN-W8268; (2) mechanistic data to rule out an endocrine mediated mode of action for mammary gland tumours; (3) the risk to aquatic organisms from thifensulfuron-methyl and metabolite IN-D8858 and the risk to soil organisms from metabolites IN-JZ789 and 2 acid 3 triuret; (4)the relevance of the metabolites IN-A4098, IN-L9223 and IN-JZ789 if thifensulfuron-methyl is classified as reprotoxic category 2 under Regulation (EC) No 1272/2008 and the risk that those metabolites contaminate groundwater. The applicant must submit to each competent authority the information set out in point (4) within six months of the notification of the classification decision for thifensulfuron-methyl.'
Thymol	Fungicide	01/12/2013	30/11/2026	Reg. (EU) No 568/2013 (, Dossier complete 2011/266/EU)	General	89-83-8	5-methyl-2-propan-2-yl-phenol	≥ 990 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on thymol, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 May 2013, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to — the protection of operators, workers, bystanders and residents, ensuring that conditions of use include the application of adequate personal protective equipment, where appropriate; — the protection of groundwater, when the substance is applied in regions with vulnerable soil and/or climatic conditions; — the risk to aquatic organisms; — the risk to birds and mammals. Conditions of use shall include risk mitigation measures, where appropriate.
Tolclofos-methyl	Fungicide	01/09/2019	31/08/2034	06/39/EC, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 487/2014), Reg. (EU) 2019/168, Reg (EU) No. 2019/1101	Professional	CAS No 57018-04-9	O-2,6-dichloro-p-tolyl O,O-dimethyl phosphorothioate O-2,6-dichloro-4-methylphenyl O,O-dimethyl phosphorothioate	≥ 960 g/kg The following impurity is of toxicological concern and must not exceed the following level in technical material: Methanol max. 1 g/kg	Only for use on ornamentals and potatoes. For the implementation of the uniform principles, as reffered to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on tolclofos-methyl, and in particular Appendices I and II thereof, shall be taken into account. In this assessment competent authorities shall pay particular attention to: - the risk to aquatic organisms and mammals, - the risk to consumers, in particular the potential risk from metabolite DM-TM-CH2OH in potatoes, - the risk to operators, workers and bystanders. Conditions of use shall include risk mitigation measures, where appropriate.
Tri-allate	Herbicide	01/01/2010	31/12/2024	2009/77/EC, Reg. (EU) No 540/2011	Professional	CAS No 2303-17-5	S-2,3,3-trichloroallyl di- isopropyl (thiocarbamate)	≥ 940 g/kg NDIPA (Nitroso-diisopropylamine) max. 0,02 mg/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on tri-allate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 26 February 2009 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the operator safety and ensure that conditions of use prescribe the application of adequate personal protective equipment, — the dietary exposure of consumers to residues of tri-allate in treated crops as well as in succeeding rotational crops and in products of animal origin — the protection of aquatic organisms and non-target plants and ensure that conditions of authorisation include risk mitigation measures such as buffer zones, where appropriate, — the potential for ground water contamination by the degradation products TCPSA when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation must include risk mitigation measures, where appropriate.
Triazoxide	Fungicide	01/10/2011	30/09/2024	Reg. (EU) No 807/2011 (, 2009/860/EC)	Professional	72459-58-6	7-chloro-3-imidazol-1- yl-1,2,4-benzotriazine 1-oxide	≥ 970 g/kg Impurities: toluene: not more than 3 g/kg	PART A Only uses as fungicide for seed treatment may be authorised. PART B For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on triazoxide, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 17 June 2011, shall be taken into account. In this overall assessment competent authorities: (a) shall pay particular attention to the protection of operators and workers and shall ensure that conditions of use include the application of adequate personal protective equipment, where appropriate; (b) shall pay particular attention to the risk to granivorous birds and shall ensure that conditions of authorisation include risk mitigation measures.
Tribasic copper sulfate	Bactericide, Fungicide	01/01/2019	31/12/2025	2009/37/EC, Reg. (EU) No 2018/1981, Reg. (EU) No 232/2015, Reg. (EU) No 540/2011 (, Reg.(EU) No 84/2018)	Professional	12527-76-3	Not allocated	≥ 490 g/kg The following impurities shall not exceed the following levels: Arsenic max. 0,1 mg/g Cu Cadmium max. 0,1 mg/g Cu Lead max. 0,3 mg/g Cu Nickel max. 1 mg/g Cu Cobalt max. 3 mg/kg Mercury max. 5 mg/kg Chromium max. 100 mg/kg Antimony max. 7 mg/kg	Only uses resulting in a total application of maximum 28 kg of copper per hectare over a period of 7 years shall be authorised. For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009 of the European Parliament and of the Council, the conclusions of the review report on copper compounds and in particular Appendices I and II thereto, shall be taken into account. In their overall assessment competent authorities shall pay particular attention to: — the operator, worker and bystander safety and ensure that conditions of use prescribe the application of adequate personal protective equipment and other mitigation measures as appropriate; — the protection of water and non-target organisms. In relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate; — the amount of active substance applied and ensure that the authorised amounts, in terms of rates and number of applications, do not exceed the minimum necessary to achieve the desired effects and do not cause any unacceptable effect on the environment taking into account background levels of copper at the application site, and, where the information is available, copper input from other sources. competent authorities may in particular decide to set a maximum annual application rate not exceeding 4 kg/ha of copper.
Tribenuron (aka metometuron)	Herbicide	01/02/2019	30/01/2034	05/54/EC, Reg. (EU) No 2018/1262, Reg. (EU) No 2018/1913, Reg. (EU) No 540/2011 (, Reg. (EU) No 2017/1511,, Reg. (EU) No 533/2013), Reg (EU) No 2018/1913	Professional	Tribenuron (parent) CAS No 106040-48-6	2-[[(4-methoxy-6- methyl-1,3,5-triazin-2- yl)-methylcarbamoyl] sulfamoyl]benzoic acid	≥ 960 g/kg (expressed as tribenuron-methyl)	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on tribenuron, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment Compentent authorities shall pay particular attention to: — the protection of consumers, in particular to residues on animal products, — the protection of groundwater, - the protection of aquatic organisms and of non-target terrestrial plants. Conditions of use shall include risk mitigation measures, where appropriate.

Trichoderma asperellum (formerly T. harzianum) strains ICC012, T25 and TV1	Fungicide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	STRAIN: ICC012 Culture collection No CABI CC IMI 392716 STRAIN: Trichoderma asperellum (formerly T. viride T25) T25 Culture collection No CECT 20178 STRAIN: Trichoderma asperellum (formerly T. viride TV1) TV1 Culture collection No MUCL 43093	Not applicable	No relevant impurities	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review reports on Trichoderma asperellum (formerly T. harzianum) ICC012 (SANCO/1842/ 2008) and Trichoderma asperellum (formerly T. viride T25 and TV1) T25 and TV1 (SANCO/1868/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Trichoderma asperellum (strain T34)	Fungicide	01/06/2013	31/05/2026	Reg. (EU) No 1238/2012 (, Dossier complete 2010/132/EU)	Professional	CECT number: 20417		1 × 1010 cfu/g	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Trichoderma asperellum (strain T34), and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 November 2012 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Trichoderma asperellum (strain T34) is to be considered as a potential sensitiser. Conditions of use shall include risk mitigation measures where appropriate.
Trichoderma atroviride (formerly T. harzianum) strains IMI 206040 and T11	Fungicide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	STRAIN: IMI 206040 Culture collection No IMI 206040, ATCC 20476; STRAIN: T11 Culture collection: No Spanish type culture collection CECT 20498, identical with IMI 352941	Not applicable	No relevant impurities	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review reports on Trichoderma atroviride (formerly T. harzianum) IMI 206040 (SANCO/1866/ 2008) and T-11 (SANCO/1841/2008) respectively, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Trichoderma atroviride strain I-1237	Fungicide	01/06/2013	31/05/2026	Reg. (EU) No 17/2013 (, Dossier complete 08/565/EC)	Professional	CNCM number: I-1237		1 × 109 cfu/g (1 × 1010 spores/g)	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Trichoderma atroviride strain I-1237, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 November 2012, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Trichoderma atroviride strain I-1237 is to be considered a potential sensitiser. Conditions of use shall include risk mitigation measures where appropriate.
Trichoderma atroviride strain SC1	Fungicide	06/07/2016	06/07/2031	Reg. (EU) 2016/951, Reg. (EU) No 540/2011	Professional	Accession number CBS 122089 in the collection of the Centraalbureau voor Schimmelcultures (CBS) in Utrecht, The Netherland	Not applicable	minimum concentration 1 × 1010 CFU/g	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Trichoderma atroviride strain SC1, and in particular Appendices I and II thereof, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that microorganisms are considered as potential sensitizers. Conditions of use shall include risk mitigation measures, where appropriate. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer
Trichoderma gamsii (formerly T. viride) strain ICC080	Fungicide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	STRAINS: ICC080 Culture collection No IMI CC number 392151 CABI	Not applicable	No relevant impurities	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Trichoderma viride (SANCO/1868/2008), and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Trichoderma harzianum strains T-22 and ITEM 908	Fungicide	01/05/2009	30/04/2024	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	STRAIN: Trichoderma harzianum T-22; Culture collection No ATCC 20847 STRAIN: Trichoderma harzianum ITEM 908; Culture collection No CBS 118749	Not applicable	No relevant impurities	PART A Only uses as fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review reports on Trichoderma harzianum T-22 (SANCO/1839/2008) and ITEM 908 (SANCO/ 1840/208) respectively and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Triclopyr	Herbicide	01/06/2007	30/04/2024	2006/74/EC, Reg. (EU) 2015/307, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 878/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	General	CAS No 055335-06-3	3,5,6-trichloro-2-pyridyloxyacetic acid	≥ 960 g/kg (as Triclopyr butoxyethyl ester)	'PART A Only uses as herbicide may be authorised. Only uses with a total application per year of maximum 480 g active substance per hectare shall be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on triclopyr, and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed on 12 December 2014 shall be taken into account. In this overall assessment competent authorities: — shall pay particular attention to the protection of groundwater under vulnerable conditions. Conditions of authorisation shall include risk mitigation measures and monitoring programmes shall be initiated in vulnerable zones, where appropriate, — shall pay particular attention to the safety of operators and ensure that conditions of use prescribe the application of adequate personal protective equipment, — shall pay particular attention to the protection of birds, mammals, aquatic organisms and non-target plants. Conditions of authorisation shall include risk mitigation measures, where appropriate.'
Trifloxystrobin	Fungicide	01/08/2018	31/07/2033	Reg. (EU) 2018/1060, Reg. (EU) No 540/2011 (, 03/68/EC,, Reg. (EU) 2016/950,, Reg. (EU) 2017/841,, Reg. (EU) No 823/2012)	Professional	CAS No 141517-21-7	Methyl (E)-methoxyimino-[(E)-α-[1-α-(a,a,a-trifluoro-m-tolyl)ethylideneaminooxyl]-o-tolyl]acetate	≥ 975 g/kg AE 1344136 (max. 4 g/kg)	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on trifloxystrobin, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to: — the protection of groundwater when the substance is applied in regions with vulnerable soil and/or climate conditions; — the protection of aquatic organisms, bees, and of fish-eating birds and mammals. Conditions of use shall include risk mitigation measures, where appropriate. The applicant shall submit to the Commission, the competent authorities and the Authority confirmatory information as regards: (1) the relevance of metabolites that may occur in groundwater, taking into account any relevant classification for trifloxystrobin in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council(2), in particular as toxic for reproduction category 2; (2) the effect of water treatment processes on the nature of residues present in surface and groundwater, when surface water or groundwater is abstracted for drinking water. The applicant must submit to each competent authority the information set out in point (1) within six months of the notification of the classification decision for trifloxystrobin. The applicant shall submit the information requested under point (2) 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 being made public by each competent authority.
Triflumuron	Insecticide	01/04/2011	31/03/2024	2011/23/EU, Reg. (EU) No 540/2011	Professional	CAS No 64628-44-0	1-(2-chlorobenzoyl)-3-[4-trifluoromethoxyphenyl]urea	≥ 955 g/kg Impurities: — N,N'-bis-[4-(trifluoromethoxy)phenyl]urea: not more than 1 g/kg — 4-trifluoro-methoxyaniline: not more than 5 g/kg	PART A Only uses as insecticide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on triflumuron, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 January 2011 shall be taken into account. In this overall assessment, competent authorities shall pay particular attention to: — the protection of the aquatic environment; — the protection of honey bees. Conditions of authorisation shall include risk mitigation measures, where appropriate.
Triflusulfuron	Herbicide	01/01/2010	31/12/2024	Reg. (EU) No 287/2012, Reg. (EU) No 540/2011 (, 2009/77/EC), Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 126535-15-7	2-[4-dimethylamino-6-(2,2,2-trifluoroethoxy)-1,3,5-triazin-2-ylcarbamoylsulfamoyl]-m-toluic acid	≥ 960 g/kg	PART A Only uses as a herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on triflusulfuron, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 26 February 2009 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the dietary exposure of consumers to residues of metabolites IN-M7222 and IN- E7710 in succeeding rotational crops and in products of animal origin, — the protection of aquatic organisms and aquatic plants from the risk arising from triflusulfuron and the metabolite IN-66036 and ensure that conditions of authorisation include risk mitigation measures such as buffer zones, where appropriate, — the potential for ground water contamination by the degradation products IN- M7222 and IN-W6725 when the active substance is applied in regions with vulnerable soil and/or climatic conditions. Conditions of authorisation must include risk mitigation measures, where appropriate. If triflusulfuron is classified as carcinogenic category 2 in accordance with Regulation (EC) No 1272/2008, the competent authorities concerned shall request the submission of further information on the relevance of the metabolites IN-M7222, IN-D8526 and IN-E7710 with respect to cancer. They shall ensure that the notifier provides that information to each competent authority within six months from the notification of the classification decision concerning that substance.
Trinexapac (aka cimetacarb ethyl)	Plant growth regulator	01/05/2007	30/04/2024	06/64/EC, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 678/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	CAS No 104273-73-6	4-(cyclopropyl-hydroxymethylene)-3,5-dioxo-cyclohexanecarboxylic acid	≥ 940 g/kg (expressed as trinexapac-ethyl)	PART A Only uses as plant growth regulator may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on trinexapac, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 4 April 2006 shall be taken into account. In this overall assessment competent authorities: — must pay particular attention to the protection of birds and mammals. Conditions of authorisation should include risk mitigation measures, where appropriate.
Triticonazole	Fungicide	01/02/2007	30/04/2024	2006/39/EC, Reg. (EU) No 2018/524, Reg. (EU) No 540/2011 (, Reg. (EU) No 487/2014), Reg. (EU) 2019/168, Reg (EU) 2020/421	General	CAS No 131983-72-7	(±)-(E)-5-(4-chlorobenzylidene)-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol	≥ 950 g/kg	PART A Only uses as fungicide may be authorised. PART B In assessing applications to authorise plant protection products containing triticonazole for uses other than seed treatment, competent authorities shall pay particular attention to the criteria in Article 4(3) of Regulation (EC) No 1107/2009, and shall ensure that any necessary data and information is provided before such an authorisation is granted. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on triticonazole, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 27 January 2006 shall be taken into account. In this overall assessment competent authorities: — must pay particular attention to the operator safety. Conditions of authorisation should include protective measures, where appropriate, — must pay particular attention to the potential for groundwater contamination, in particular from the highly persistent active substance and its metabolite RPA 406341, in vulnerable zones, — must pay particular attention to the protection of granivorous birds (long term risk). Conditions of authorisation should include risk mitigation measures, where appropriate.
Tritosulfuron	Herbicide	01/12/2008	30/11/2024	08/70/EC, Reg. (EU) No 2018/1796, Reg. (EU) No 540/2011, Reg (EU) 2019/1589, Reg. (EU) 2020/1511	Professional	CAS No 142469-14-5	1-(4-methoxy-6-trifluoromethyl-1,3,5-triazin-2-yl)-3-(2-trifluoromethyl-benzenesulfonyl)urea	≥ 960 g/kg The following manufacturing impurity is of toxicological concern and must not exceed a certain amount in the technical material: 2-Amino-4-methoxy- 6-(trifluormethyl)- 1,3,5-triazine: <0,2 g/kg	PART A Only uses as herbicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on tritosulfuron, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 May 2008 shall be taken into account. In this overall assessment competent authorities must pay particular attention to: — the potential for groundwater contamination, when the active substance is applied in regions with vulnerable soil and/or climatic conditions, — the protection of aquatic organisms, — the protection of small mammals. Conditions of use shall include risk mitigation measures, where appropriate.
Urea	Attractant, Fungicide	01/09/2009	31/08/2024	2008/127, Reg. (EU) No 540/2011, Reg. (EU) No 597/2012, Reg. (Eu) 2017/195, Reg (EU) No 2020/1160	General	CAS No 57-13-6	Urea	≥ 98 % w/w	PART A Only uses as attractant and fungicide may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on urea (SANCO/2637/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 1 June 2012 shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.

Urtica spp.	Acaricide, Fungicide, Insecticide	30/03/2017		Reg. (EU) 2017/419	General	84012-40-8 (Urtica dioica extract) 90131-83-2 (Urtica urens extract)		Urtica spp.	European Pharmacopeia	Urtica spp. shall be used in accordance with the specific conditions included in the conclusions of the review report on Urtica spp. (SANTE/11809/2016) and in particular Appendices I and II thereof.
Valifenalate (formerly Valiphenal)	Fungicide	01/07/2014	30/09/2024	Reg. (EU) No 144/2014 (, Dossier complete 06/586/EC), Reg (EU) 2020/2007	Professional	283159-90-0		Methyl N-(isopropoxycarbonyl)-L-valyl- (3RS)-3-(4-chlorophenyl)-β-alaninate	≥ 980 g/kg	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on valifenalate, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 13 December 2013 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to aquatic organisms. Conditions of use shall include risk mitigation measures, where appropriate.
Verticillium albo-atrum (formerly Verticillium dahliae) strain WCS850	Fungicide	01/11/2019	31/10/2034	2008/113, Reg. (EU) No 540/2011, Reg. (EU) 2019/168, Reg (EU) 2019/1675	Professional		Verticillium albo-atrum strain WCS850 (culture collection No CBS 276.92)	Not applicable	Minimum concentration: 0,7 × 107 CFU/ml distilled water Maximum concentration: 1,5 × 107 CFU/ml distilled water No relevant impurities	29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on Verticillium albo-atrum strain WCS850, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the protection of operators and workers, taking into account that Verticillium albo-atrum strain WCS850 is to be considered as a potential sensitiser. Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer, in order to ensure the fulfilment of the limits on microbiological contamination as referred to in OECD Issue Paper on Microbial Contaminant Limits for Microbial Pest Control Products, contained in the Commission Working Document SANCO/ 12116/2012 (2)
Vinegar	Bactericide, Fungicide	01/07/2015		Reg. (EU) 2015/1108, Reg. (EU) No 540/2011, Reg. (EU) 2019/149	General	90132-02-8		Not available	Food grade containing a maximum of 10 % acetic acid.	Vinegar shall be used in accordance with the specific conditions included in the conclusions of the review report on vinegar (SANCO/12896/2014) and in particular Appendices I and II thereof
Whey	Fungicide	02/05/2016		Reg. (EU) 2016/560, Reg. (EU) No 540/2011	General	92129-90-3		Not available	CODEX STAN 289-1995 (Available online: http://www.fao.org/fao-who-codexalimentarius/standards/list-of-standards/en/')	Whey shall be used in accordance with the specific conditions included in the conclusions of the review report on whey (SANTE/12354/2015) and in particular Appendices I and II thereof.
Z,Z-3,13-Octadecadienyl Acetate	Attractant	01/09/2009	31/08/2024	2008/127, Reg. (EU) 2017/195, Reg. (EU) No 540/2011, Reg. (EU) No 918/2014, Reg (EU) No 2020/1160	Professional			Review report (SANCO/2633/2008)	Review report (SANCO/2633/2008)	PART A Only uses as attractants may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on Plants, Animals, Food and Feed shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
Zinc phosphide	Rodenticide	01/05/2011	31/07/2024	2010/85/EU, Reg. (EU) No 2018/1260, Reg. (EU) No 540/2011, Reg (EU) 2020/2007	Professional	CAS No 1314-84-7		Trizinc diphosphide	≥ 800 g/kg	PART A Only uses as rodenticide in the form of ready-to-use baits placed in bait stations or target locations may be authorised. PART B For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on zinc phosphide, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 28 October 2010 shall be taken into account. In this overall assessment competent authorities should pay particular attention to: — the protection of non target organisms. Risk mitigation measures should be applied as appropriate in particular to avoid the spread of baits where only part of the content has been consumed.
Ziram	Fungicide, Repellant	01/08/2004	30/04/2024	03/81/EC, Reg. (EU) No 540/2011 (, Reg. (EU) 2016/2016,, Reg.(EU)2018/524), Reg. (EU) 2019/168, Reg (EU) 2020/421	Professional	CAS No 137-30-4		Zinc bis (dimethyldithiocarbamate)	950 g/kg (FAO-specification) Arsenic: maximum 250 mg/kg Water: maximum 1,5 %	Only uses as fungicide or as repellent may be authorised. For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on ziram, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 4 July 2003 shall be taken into account. In this overall assessment: — competent authorities should pay particular attention to the protection of non-target arthropods and aquatic organisms. Risk mitigation measures should be applied, where appropriate, — competent authorities should observe the acute dietary exposure situation of consumers in view of future revisions of Maximum Residue Levels.
Zoxamide	Fungicide	01/07/2018	30/06/2033	Reg. (EU) No 540/2011, Reg. (EU) No 84/2018, Reg.(EU) 2018/692 (, 03/119/EC,, Reg. (EU) No 2016/2016,, Reg. (EU) No 823/2012)	Professional	CAS No 156052-68-5		(RS)-3,5-Dichloro-N-(3-chloro-1-ethyl-1-methylacetonyl)-p-toluamide	≥ 953 g/kg	For the implementation of the uniform principles, as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on zoxamide, and in particular Appendices I and II thereto, shall be taken into account. In this overall assessment competent authorities 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 each competent 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 competent authority.
Zucchini Yellow Mosaik Virus, weak strain	Elicitor	01/06/2013	31/05/2026	Reg. (EU) No 1237/2012 (, Dossier complete 06/586/EC)	Professional		ATCC accession number: PV-593		≥ 0,05 mg/l	For the implementation of the uniform principles as referred to in Article 29(6)(a) of Regulation (EC) No 1107/2009, the conclusions of the review report on Zucchini Yellow Mosaic Virus — weak strain, and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health on 20 November 2012 shall be taken into account. In this overall assessment competent authorities shall pay particular attention to the risk to non- target plants, if the crop plants are co-infected with another virus which can be transmitted by aphids. Conditions of use shall include risk mitigation measures, where appropriate.