

Insecticides and Biocides Approved for Treating Stores and Stored Commodity Harvested Crop 2023



There is a constant review of Plant Protection Products and Biocidal Products and, while we have tried our best to ensure the accuracy of this list, we do not accept any liability for its accuracy. You must check approval status, use conditions and application details by reading the product label.

Active ingredient	Product	Treatment of empty cereal/OSR stores and equipment	Treatment of stored cereals wheat, barley	Treatment of stored maize	Treatment of stored oats	Treatment of stored oilseeds	Treatment of stored pulses (peas/beans)	Comment
Cypermethrin	Phobi Grain EC (19691), Talisma EC (16541)	Yes (Once per yr)	Yes (Once)	No	Yes (Once)	No	No	Alternative pyrethroid to K-Obiol No admix use with handheld applicators
Cypermethrin	Talisma UL (16542)	No	Yes (Once)	No	Yes (Once)	No	No	Alternative pyrethroid to K-Obiol No admix use with handheld applicators
Cypermethrin	FumiCyp Smoke Pot (HSE 9182)	Yes	No	No	No	No	No	For use in empty stores only Biocide approval HSE 9182
Deltamethrin + piperonyl butoxide	Deserve (19504), Grain store (14932), Grain store 25EC (19218), K-Obiol EC25 (13573)	Yes (Once per yr)	Yes (Once)	Yes (Once)	Yes (Once)	No	Yes (Once)	Product Expiry Dates: Grain store (14932) and Grain store 25EC (19218) 30/06/2024 Pyrethroid store insecticide. K-Obiol is accepted for use by NABIM and Brewing Research International
Deltamethrin + piperonyl butoxide	Grain-Tect ULV (18076), Grain store ULV (19195), K-Obiol ULV6 (13572)	No	Yes (Once)	Yes (Once)	Yes (Once)	No	Yes (Once)	Product Expiry Date 30/06/2024 Pyrethroid store insecticide. K-Obiol is accepted for use by NABIM and Brewing Research International
Pirimiphos-methyl*	Actellic 50EC (19325)	Yes (Once per yr)	Yes (Once)	No	Yes (Once)	No	No	Product Expiry Date 31/01/2025 No admix use with handheld applicators. Application as a structural treatment must only be made using remotely controlled equipment
Pirimiphos-methyl*	Actellic Smoke Generator No 20 (15739), PHOBI SMOKE PRO90 (17117)	Yes	No	No	No	No	No	Use to knock pests out of roofs and crevices after applying K-Obiol EC25, or Talisma EC to grain store walls and floor
<i>Chrysanthemum cinerariaefolium</i> extract** + piperonyl butoxide**	AquaPy (HSE 5799)	Yes	No	No	No	No	No	Not for direct use on grain. Accepted Brewing Research International. Biocide approval HSE 5799 Product Expiry Date 31/12/2024
<i>Chrysanthemum cinerariaefolium</i> extract** + piperonyl butoxide**	AquaPy Micro (HSE 6296)	Yes	No	No	No	No	No	Not for direct use on grain. Accepted Brewing Research International. Biocide approval HSE 6296 Product Expiry Date 31/12/2024
Diatomaceous earth	Diamite	Yes	Yes (Not for milling)	Yes	Yes	Yes	Yes	Not acceptable to all consumers, please check before use. No authorisation required due to not being a biocide or PPP. Use must be declared on the Grain Passport.
Diatomaceous earth	SilicoSec	Yes	Yes (Not for milling)	No	No	Yes	No	Not acceptable to all consumers, please check before use. No authorisation required due to not being a biocide or PPP. Use must be declared on the Grain Passport.
Aluminium phosphide†	Degesch Fumigation Tablets (17035)	Yes (Once per yr)	Yes (Once)	Yes (Once)	Yes (Once)	Yes (Once)	Yes (Once)	Contractor applied. Withholding Period for Edible Commodities 7 Days Product Expiry Date 31/12/2023

Aluminium phosphide†	Detia Gas-Ex-P (17036)	Yes (Once per yr)	Yes (Once)	Yes (Once)	Yes (Once)	Yes (Once)	Yes (Once)	Contractor applied. Withholding Period for Edible Commodities 7 Days Product Expiry Date 31/12/2023
Aluminium phosphide†	Detia Gas-Ex-T (17034)	Yes (Once per yr)	Yes (Once)	Yes (Once)	Yes (Once)	Yes (Once)	Yes (Once)	Contractor applied. Withholding Period for Edible Commodities 7 Days
Aluminium phosphide†	PHOSTOXIN BAG (19333)	Yes	Yes	Yes	Yes	Yes	Yes	Contractor applied. Withholding Period for Edible Commodities 7 Days Maximum 3 treatments per batch
Aluminium phosphide†	PHOSTOXIN PELLETT (19331)	Yes	Yes	Yes	Yes	Yes	Yes	Contractor applied. Withholding Period for Edible Commodities 7 Days Maximum 3 treatments per batch
Aluminium phosphide†	PHOSTOXIN TABLET (19330)	Yes	Yes	Yes	Yes	Yes	Yes	Contractor applied. Withholding Period for Edible Commodities 7 Days Maximum 3 treatments per batch
Magnesium phosphide††	Degesch Plates (17105)	Yes (Once per yr)	Yes (Once)	Yes (Once)	Yes (Once)	Yes (Once)	Yes (Once)	Contractor applied. Withholding Period for Edible Commodities 7 Days Last Sale Date 31/12/2023 Replaced by M19332 see below
Magnesium phosphide††	Degesch Plate (19332)	Yes	Yes	Yes	Yes	Yes	Yes	Contractor applied. Withholding Period for Edible Commodities 7 Days Maximum 3 treatments per batch
Magnesium phosphide††	Magtoxin Pellets (17376)	Yes (Once per yr)	Yes (Once)	Yes (Once)	Yes (Once)	No	No	Contractor applied. Product Expiry Date 31/12/2023 Replaced by M19344 see below
Sulfuryl fluoride	ProFume (17309)	Yes (Twice per yr)	No	No	No	No	No	This product must only be used by professional operators trained in the use of sulfuryl fluoride.

†† This product must be used only by operators trained in the use of magnesium phosphide and familiar with the precautionary measures to be observed.

* This product contains an anticholinesterase organophosphorus compound and must not be used by those under medical advice not to work with such compounds.

† This product must be used only by operators trained in the use of aluminium phosphide and familiar with the precautionary measures to be observed.

** Active substance now approved for PT18 of the Biocidal Products Regulation.

Updated June 2023

Kieselgur (Diatomaceous Earth (DE) or amorphous silicon dioxide)

Kieselgur is registered as a food additive and does not need registration as a pesticide in the UK. Some end users do not accept Diatomaceous Earth treated grain so check before use.

Kieselgur UK COPR approval expires 31/08/2024. EU approval was recently renewed to 31/01/2036. Other forms of surface modified kieselgur are being developed for improved activity.

Fungal disinfectant

The fungal disinfectant below claims a specific use versus the range of BPR biocidal disinfectants often used for general cleaning of stores and storage equipment e.g. [Jett 5](#) (peroxyacetic acid) from Certis

PHOBI OPP SMOKE GENERATOR (Fumite OPP)

A fungicidal, bacterial and virucidal smoke containing Ortho-Phenyl-Phenol for store disinfection pre-harvest as an aid to management of mycotoxins.

Note Ortho-Phenyl-Phenol doesn't seem to be covered by COPR or BPR