

Insecticides and Biocides Approved for Treating Stores and Stored Commodity

– Harvested Crop 2025

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. This list may not be exhaustive.

Active Ingredient	Product Examples	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	Talisa 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), K-Obiol EC25 (13573) Crop Protect 25EC (20530)	Yes (Once per yr)	Yes (Once)	Yes (Once)	Yes (Once)	No	Yes (Once)	Product Expiry Date 30/04/2026. Pyrethroid store insecticide. K-Obiol is accepted for use by NABIM and Brewing Research International
Deltamethrin + piperonyl butoxide	K-Obiol ULV6 (13572 / 20174)	No	Yes (Once)	Yes (Once)	Yes (Once)	No	Yes (Once)	Pyrethroid store insecticide. K-Obiol is accepted for use by UK Flour Millers and Brewing Research International MAPP 13572 expires 30/04/2026
Pirimiphos-methyl*	Actellic 50EC (19325)	Yes (Once per yr)	Yes (Once)	No	Yes (Once)	No	No	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
<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
Diatomaceous earth	Diamite / Kieselgur / Silicosec	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.
Aluminium phosphide†	Detia Gas-Ex-T (17034 / 20942)	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 / 20948)	Yes	Yes	Yes	Yes	Yes	Yes	Contractor applied. Withholding Period for Edible Commodities 7 Days Maximum 3 treatments per batch
Aluminium phosphide†	PHOSTOXIN PELLET (19331 / 20950)	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 / 20951)	Yes	Yes	Yes	Yes	Yes	Yes	Contractor applied. Withholding Period for Edible Commodities 7 Days Maximum 3 treatments per batch

Magnesium phosphide††	Degesch Plate (19332 / 20940) Magtoxin Tablet (19344 / 20914)	Yes	Yes	Yes	Yes	No	No	Contractor applied. Withholding Period for Edible Commodities 7 Days Maximum 3 treatments per batch
-----------------------	--	-----	-----	-----	-----	----	----	---

†† 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 2025

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 Belchim

[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

<https://ukmalt.com/>