

Don't let grain income slip through your fingers

K-Obiol[®] EC grain protectant for use on-farm

Benefits

- + Can be used in any type of storage, sealed or unsealed
- + Suitable for all cereal grains, including malting barley, rice, sorghum and maize
- + A different mode of action
- + Can be used in all grain storage systems

Change your chemistry and protect your grain income

K-Obiol EC Combi ("K-Obiol") is a synergised grain protectant for use on uninfested grain including cereal grains, malting barley, sorghum, rice and maize.

It can be used on any type of storage, sealed or unsealed. It is suitable for use by grain growers and grain accumulators. K-Obiol is a liquid and must be evenly applied as a dilution to the grain as it is fed into the storage. It is not suitable for oil seeds or pulses and not recommended for eradicating pests when they have infested grain.

The active constituent is deltamethrin. Piperonyl butoxide is added as a synergist; meaning it increases the effectiveness of the deltamethrin.

Protectants, such as K-Obiol, are most commonly used when a fumigant cannot be used. Fumigants require a sealed storage to retain the fumigant in contact with the grain over a minimum period of time for effectiveness. When the storage is not sealed a protectant is the only option.



Good Practices

To ensure your grain can be sold in the best possible condition there are several steps you should take.

Grain silos, headers, augers and all grain handling equipment should be cleaned out so there are no pockets of grain where insects can be harboured.

There may be some insect species that can develop resistance to K-Obiol and it must be mixed with an organophosphate mixing partner.



Finally it is a good idea to rotate grain protectants so products with different modes of action are used in successive years.

K-Obiol Training

K-Obiol can only be applied once to a parcel of grain. Refer to product label for more information.

For this reason, Envu has produced a 'K-Obiol Training Video'. Farmers now have to only complete an End User Declaration form (EUD) and watch the training video available at <https://www.au.envu.com/k-obiol>

Learn More →



GRAIN PROTECTANTS USE AND EFFECTIVENESS 2023														
Insecticide Group	Brand Name	Rate Litres / 100 Litres	Full Rate PPM	WHP	End Use Market (Domestic)				Target Pest					
					Malt Barley	Milling Wheat	Feed	Wheat - Starch / Gluten	Lesser Grain Borer	Rice / Granary Weevil	Flour Beetle	Saw-toothed Grain Beetle	Flat Grain Beetle	Moths
Organophosphate Group 1B	Fenitrothion 1000	1.2 L	12 ppm	90 days	✓	✓	✓	✓	✗	✓	✓	✗	✓	✓
	Fenitrothion 1000	600mL	6 ppm	Nil	✓	✓	✓	✓	✗	✓	✓	✗	✓	✓
	Chlorpyrifos Methyl	2 L	10 ppm	1 day	✗	✓	✓	✓	✗	✓	✓	✓	✓	✓
Insect Growth Regulator Group 7A	Rizacon®	0.2 L	0.6 ppm	1 day	✓	✓	✓	✓	Resistance in most areas	✗	✓	✓	✓	✓
Synthetic Pyrethroid Group 3A	K-Obiol*	2.0 L	1 ppm	Nil	✓	✓	✓	✓	✓	Some resistance	Potential for resistance	✓	✓	✓
IGR Group 7A & Spinosad Group 5	Conserve Plus®*	1.0 L	Spinosad 1 ppm Methoprene 1 ppm	Nil	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓
Fumigants#	Phosphine		1.5 g/m ³	3 days	✓	✓	✓	✓	Increasing resistance	✓	✓	✓	Strong resistance NSW/QLD	✓
	Profume®			1 day	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

* For best results K-Obiol and Conserve Plus must be used with an Organophosphate.
 # Fumigants are strictly not grain protectants and must be used in gas tight silos. Included here for comparison.
 Before applying any treatment, ensure you check the treatment is suitable for the intended market for the grain.



ALWAYS READ THE LABEL BEFORE USE

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 Suite 2.06, Level 2, 737 Burwood Rd, Hawthorn East, VIC. 3123

Technical Enquiries: 1800 024 209 technicalsupport.australia@envu.com www.au.envu.com

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