

THIS IS A PESTICIDE ADVERTISEMENT
TO BE HANDLED BY TRAINED PERSONNEL ONLY.



Responsar[®]
ULV 15

**For ULV and
thermal fogging**



Bayer Environmental Science
A Business Operation of Bayer CropScience



Responsar[®]
ULV 15

The public health insecticide

Various customer-oriented formulations

Pest management is a complicated business

Mankind is plagued by a multitude of pests occurring in all conceivable situations ranging from swamps to kitchens and from stables to commercial premises. In addition, safety and environmental considerations are becoming increasingly important and every pest problem requires individual strategy.

Pyrethroids - a model from nature

The α -cyano-pyrethroid cyfluthrin was developed in 1976 as a result of research carried out at BayerAG, and has been found to be effective against agricultural pests and public health pests.

Responsar ULV 15 formulations have been approved for use in homes and dwelling places, commercial and industrial premises, offices, hospitals, livestock premises and rubbish disposal sites.

Effective against public health insect pests

The active ingredient of Responsar ULV 15 is cyfluthrin, which is efficacious against insects.

Results

In most cases the insects are knocked down within minutes, and pests hidden from view during application will often be flushed out of their hiding places and into contact with the treated surface. The results of the treatment are quickly evident. When it is applied as a ULV treatment, Responsar ULV 15 gives fast knockdown of flying insect pests at low rates of active ingredient.

Long-term protection

Cyfluthrin is a stable active ingredient. It is stable in ultraviolet light and tolerates alkaline conditions. This results in a long residual life of many weeks or months, depending on the application rate, on hygiene, and on the nature of the treated surfaces.



Responsar ULV 15 is available as an oil-based fogging concentrate which is diluted in diesel oil or kerosene for application with ground-based ULV equipment and with thermal fogging machines. Responsar ULV 15 is for both outdoor and indoor applications.

ULV or fogging applications control flying insects with very small amounts of active ingredient, delivered in minute droplets which stick to the insects as they fly through the fog. The droplet size spectrum plays a very important role because only droplets in a certain narrow size window are effective. Large droplets fall to the ground too quickly, and very small droplets do not adhere to the insects. The applications should of course be timed to coincide with the peaks of flight activity of the target pest species. Because such low doses are applied, pests active at the time will be controlled by out-door applications. This can be an advantage, because it allows good control of the target pest population while minimizing the impact on non-target species. The high visibility of oil-based fogs makes it easy to check on coverage.

Applications can also be made indoors. Treatment should be directed as far as possible into known pest hiding places.



| Pests | Application | Dilution | | Application Rate |
|---|-------------------------------------|------------------|-------------------|------------------------|
| | | Responsar ULV 15 | Diesel/ Kerosene | |
| Mosquitoes (<i>Culex</i> spp., <i>Aedes</i> spp. and <i>Anopheles</i> spp.) | ULV Fogging Outside premises | 1 part | 9 parts diesel | 1 litre/ha |
| | ULV Fogging Inside premises | 1 part | 14 parts kerosene | 1 ml/10 m ³ |
| Flies (<i>Musca domestica</i>) | Thermal Fogging Outside premises | 1 part | 19 parts diesel | 2 litre/ha |
| | Thermal Fogging Inside premises | 1 part | 14 parts kerosene | 1 ml/10 m ³ |



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READ THE PRODUCT LABEL BEFORE USE