



Stryker[®] Insecticide Concentrate

All purpose insecticide for knockdown
of flying and crawling pests



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INSECTICIDE

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Product overview

Stryker® is a multi-purpose concentrate insecticide that contains natural pyrethrins synergised with piperonyl butoxide (PBO) for fast knockdown and efficient control of insect pests.

- Multi-purpose, quick-kill, non-residual insecticide
- Excellent mosquito control
- May be applied through mechanical aerosol or ULV generators including thermal fogging equipment.

Situations of use

Domestic, Commercial, Industrial and Public buildings including

Food processing establishments, shops, factories, hotels and motels, ships, shipping containers, offices, schools, storerooms, warehouses, hospitals, barracks, private houses and external areas associated with such establishments.

Agricultural buildings including

storage sheds, milking sheds, poultry sheds, barns, kennels and stables.

Effective against

Domestic pests

Ants, Beetles, Cockroaches, Earwigs, Flies, Grain Weevils, Mosquitoes, Moths, Silverfish, Spiders and flying insects.

Why use Stryker?

- Fast knockdown
- Non-residual application suitable for sensitive areas
- All natural active ingredients
- Effective against a wide range of pests
- Flexible label – use as a space spray or a surface spray

Active ingredients

60 g/L Pyrethrins, 590 g/L Piperonyl Butoxide (PBO)

How to use Stryker

Stryker has been designed to work in all misting or fogging machines including thermal fogging. For space spraying of flying insects Stryker is mixed at the rate of 83 mL per litre of water and applied through a mister or cold fogger at a rate of 1 L per 2000 cubic metres.

For thermal fogging, apply Stryker at a rate of 1 L per 1000 cubic metres. As a surface spray Stryker can be diluted at a rate of 83 mL per litre and applied using a handheld or knapsack sprayer as a direct spray into cracks and crevices for crawling insects.

For application to fruit and vegetable crops, ornamental and indoor plants, dilute Stryker at a rate of 4 mL per 3 L of water and apply as a fine mist spray when infestation occurs. This is a non-residual treatment and the treated plants must be monitored for surviving insects.

What is space spraying?

Space spraying involves producing a high number of small insecticide droplets distributed through an estimated air volume. These droplets deliver a lethal dose of insecticide to target insects on contact.

Space spraying methods include thermal fogging, where a dense cloud of insecticide droplets is produced via heating; and Ultra Low Volume (ULV), where droplets are produced by a cold, mechanical, aerosol-generating machine.

As large areas can be treated at a time, this method is very effective in rapidly reducing the population of flying insects in an area. Because there is no residual activity from the application, it needs to be repeated at intervals of 5-7 days so as to be fully efficacious. Where rapid reduction in mosquito numbers is required, such as in epidemic situations, this method can be particularly effective. For this reason, it is commonly used in urban mosquito control campaigns.

Best results from space spraying can be achieved by

1. Targeting insects that are normally flying through the spray cloud (or resting on exposed surfaces). The effectiveness of contact between the spray droplets and target insects is critical. This can be achieved by (a) ensuring that spray droplets remain airborne for the optimum time and (b) that they contain the right dose of insecticide. Optimising the droplet size achieves these aims.
2. Avoiding too large a droplet size. If droplets are too big, they fall to the surface too quickly and don't penetrate vegetation or other obstacles encountered during application, which reduces the effective area of application. Large droplets can also result in product waste owing to too much insecticide being used to kill an individual insect.
3. Avoiding too small a droplet size. If droplets are too small, then they may either not impact on a target insect due to aerodynamics or they can be carried away into the atmosphere by convection currents.
4. The optimum size range for droplets in a space spray application is 10–25 microns.

Stryker Insecticide application rates and pests controlled

Crop/Situation	Pest	Rate	Critical Comments
<p>Domestic, Commercial, Industrial and Public buildings including: Food processing establishments, shops, factories, hotels and motels, ships, shipping containers, offices, schools, storerooms, warehouses, hospitals, barracks, private houses and external areas associated with such establishments.</p> <p>Agricultural buildings including: storage sheds, milking sheds, poultry sheds, barns, kennels and stables</p>	Ants, Beetles, Cockroaches, Earwigs, Flies, Grain Weevils, Mosquitoes, Moths, Silverfish, Spiders and other flying insects	<p>Space spray or fog 83 mL per 1 L of water</p> <p>Surface spray 83 mL per 1 L of water</p> <p>Thermal fogging 83 mL per 1 L of refined mineral oil.</p>	<p>Space spray as mist or fog Apply 1 L of Stryker® dilution (83 mL product) per 2000 cubic metres. Flying insects - Direct spray or fog to all areas.</p> <p>Surface spray Apply 1 L Stryker dilution (83 mL product) per 60-80 square metres by using handheld</p> <p>Crawling insects - Direct spray into cracks and crevices.</p> <p>Thermal fogging Space spray as fog to all areas. Apply 1 L Stryker dilution (83 mL product) per 1000 cubic metres. Can be applied through most thermal fogging machines.</p>

Who is ADAMA?

ADAMA is relatively new to the Australian pest control market but has a long history of innovation and development of unique products. ADAMA is working to develop a leading range of quality pest control products for Australian pest managers. Ask for Adama products at your local pest control distributor.



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