



# GOES FURTHER LASTS LONGER

- **Highly efficacious**
- **Great value**
- **Excellent residual control**



SUMITOMO CHEMICAL



## GOES FURTHER, LASTS LONGER

### THE PRODUCT

Sumilarv® contains pyriproxifen, an insect growth regulator belonging to the juvenile hormone analogue group. Sumilarv provides long-lasting residual control of pest, while having an extremely low mammalian toxicity.

Sumilarv is an ideal soft option in these times of increased scrutiny of pesticide use and human exposure in the home – because of low mammalian toxicity, Sumilarv is exempt from poison scheduling.

### HOW DOES IT WORK?

The active ingredient in Sumilarv (Pyriproxifen) is a juvenile hormone mimic (very specific to insects) which interferes with normal hormone patterns in the larval insect usually preventing transition from larval to adult form. In so doing, it reduces the number of reproducing female. Additionally, it has a significant effect on egg deposition and hatch and we are now learning that there is a toxic effect on adult fleas, possibly through prevention of protein synthesis. Further research is underway to explore these effects and particularly the effect on other pest species. These will be included on the label in due course.

### FLEAS

If a larval flea comes into contact with Sumilarv, its metabolism becomes confused. The larvae never pupate but turn into a malformed pupa or misshapen supernumerary lava that dies after a short period.

### COCKROACHES

Sumilarv brings cockroach populations under control by targeting both the immature (nymphal) and adult stages. Cockroach nymphs are killed

in much the same way as fleas: nymphs exposed to Sumilarv turn into misshapen 'adultoids' which are sterile and usually die after a short period.

Sumilarv also acts as a 'birth control pill' for insects: females are rendered sterile by the presence of pyriproxifen.

### WHERE CAN IT BE USED?

Sumilarv can be successfully used both indoors and outdoors. Sumilarv gives residual control on carpets or in kitchen cupboards or outside the house.

Sumilarv also has AQIS approval for use in export accredited meat establishments (IOA 11918).

### ACTIVE INGREDIENT

Sumilarv contains 20 g/L pyriproxifen.

### PRESENTATION

Sumilarv is a soluble liquid formulation which means it can be mixed with adulticide products such as Sumiguard®.

### PERFORMANCE

Sumilarv residues remain active for several months. Its mode of action, which is not acutely toxic to insects, works by interfering with normal hormone patterns preventing transition from larval to adult form. Additionally, Sumilarv has a significant effect on egg deposition and hatch.

Sumilarv is frequently used in combination with fast-acting adulticides such as Sumiguard®.

### DIRECTIONS FOR USE

Situation	Pest	Rate	Critical comments
Houses, flats, factories, shops, warehouses, restaurants, public buildings	Fleas	<b>Initial treatment:</b> 25 mL/5 L water applied as a tank mix with the label rate of registered adulticide such as Sumiguard <b>Maintenance treatments:</b> 25 mL/5 L water applied alone	Apply as a coarse spray at the rate of 5 L/100 m <sup>2</sup> or to the point of run off which will vary with the nature of the surface being treated. Re-apply when signs of infestation reappear.
	Cockroaches	50 mL/5 L water applied as a tank mix with the label rate of registered adulticide such as Sumiguard	



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