



Keeping you in control.

Friendly pest control solutions derived from nature's components.

BOC's pest control range offers innovative, easy to use, contact and spray products to keep you in control. That way, you can mitigate stock and productivity losses, as well as maintain a healthier environment for customers and employees. BOC's pest control solutions range includes:

- VAPORMATE® - a highly effective fumigant made from food ingredients designed to leave produce and manufacturing equipment insect free from as quickly as 1 hour after exposure.
- PESTIGAS® - containing natural Pyrethrum, PESTIGAS® acts quickly on contact to 'knockdown' pests.



PESTIGAS® is an effective broad spectrum pest control solution containing natural Pyrethrum.

Traditionally pest control treatments involve regular hand spraying of pesticide or insecticide in target areas. Many insecticides have long been associated to leave lasting residues often toxic and hazardous to human health.

PESTIGAS® contains Pyrethrum which is extracted from the Pyrethrum daisy flower. Pyrethrums are known to attack the nervous system of insects and have low toxicity to mammals, making it suitable for application inside kitchens and catering areas. Pyrethrum also contains a number of related compounds which offer a wide spectrum of attack against insect species.

Applied as a high pressure dry spray, this unique formula allows the diffusion of Pyrethrum into the hardest to reach cracks and crevices.

Pyrethrum is biodegradable and will decompose when exposed under UV light.

Ideal uses

- Food processing and storage warehouses
- Domestic and commercial premises
- Kitchens and laundries of hotels, restaurants and hospitals
- Mushroom farms
- Dairy product processing
- Food storage and processing premises
- Cut flower exports
- Chicken farming/processing.

Guide to application rates

Important note: Please refer to the product label for further instructions before PESTIGAS® application.

Situation	Insect	PESTIGAS® application rate
Flying insects in food storage and processing areas of warehouse, animal house, factories, restaurants, hotels, hospitals and domestic premises	Flies, moths, mosquitos and most other flying insects	17 seconds (50g) into air space per 300m ³ For repellent action only, use 3g every 30 minutes
Crawling insects in food storage and processing areas of warehouses, animal houses, factories, restaurants, hotels, hospitals and domestic premises	Cockroaches, silverfish, and most other crawling insects	50 seconds (150g) into air space only per 300m ³ Use extended nozzle to treat cracks and crevices
Glasshouse Use (NZ only)	Aphids & Whitefly	12 seconds (70g) per 100m ³

For New Zealand application rates, please refer to the NZ Agricultural Compound and Veterinary Medicines product label.

Tips for application

- DO NOT allow contact with food. Ensure all items of food are properly stored, removed or covered before treatment is commenced.
- DO NOT re-enter treated areas within two (2) hours of completing treatment.

Features

- No restrictions upon sale
- Provides repellent activity at low doses
- Favourable toxicological profile
- Break down in UV light
- Does not break down in moisture
- Ready to use cylinders
- Contains natural Pyrethrums
- AQIS Approved Chemical for export meat establishments
- MAF Authorised for use in meat premises.

VAPORMATE® is a fast and highly effective fumigant which leaves produce insect free.

VAPORMATE® is a fumigant from BOC designed as an alternative to the ozone depleting Methyl Bromide. VAPORMATE® contains ethyl formate, a Generally Recognised As Safe (GRAS) food additive that breaks down readily to naturally occurring compounds. It is safe to use with low toxicity levels for humans.

What is VAPORMATE® used for?

- Application to horticultural produce post harvest including fruit, vegetables and cut flowers
- Fumigation of grain storage
- Fumigation of food processing equipment

VAPORMATE® vs Methyl Bromide

Features & Benefits	VAPORMATE®	Methyl Bromide
Ozone depleting active ingredient	N	Y
Effective from 1 hour	Y	N
Maximum residue limit exempt	Y	N
Internationally patented technology	Y	N

Guide to application rates: Australia

Important note: Please refer to the product label for further instructions before VAPORMATE® application.

Commodity	Insect	Application Rate
Cereal grains and oilseeds in sealed storage (with moisture content ≤12%) Grain storage premises and equipment	Complete control of all stages of: Lesser grain borer (<i>Rhyzopertha dominica</i>), Flour beetle (<i>Tribolium castaneum</i>), Psocids (various species), Storage moths (<i>Esphestia</i> spp., <i>Plodia</i> spp.), Sawtoothed grain beetle (<i>Oryzaephilus</i> spp.), Flat grain beetle (<i>Cryptolestes</i> spp.) Complete control of eggs, larvae and adults of: Rice weevil (<i>Sitophilus oryzae</i>)	660g/m ³ (3 hours exposure) or 420g/m ³ (24 hours exposure)
Lettuce (not bagged or similar)	Aphid (<i>Nasonovia ribisnigri</i>)	120g/m ³ (1 hour exposure)
Onion	Onion thrips (<i>Thrips tabaci</i>) (adults only)	160g/m ³ (1 hour exposure)
Sweet pepper or capsicum	Western flower thrips (<i>Frankliniella occidentalis</i>)	70g/m ³ (2 hours exposure)
Kumera and rhubarb	Detritus moth (<i>Opogona omoscopa</i>)	30g/m ³ (2 hours exposure)
Banana	Mites (<i>Oligotetranychus</i> spp.), Mealybugs (<i>Dysmicoccus</i> spp.), Scale (<i>Aspidiotus</i> spp.)	420g/m ³ (6 hours exposure)
Pineapple	Mites (<i>Dolichotetranychus floridanus</i>), Mealybugs (<i>Dysmicoccus neobrevipes</i>), Scale (<i>Diaspis bromiliae</i>)	420g/m ³ (2 hours exposure)
Strawberry	Western flower thrips (<i>Frankliniella occidentalis</i>)	160g/m ³ (1 hour exposure)
Kiwifruit (excluding Gold Kiwifruit)	Oleander scale (<i>Aspidiotus nerii</i>), Long tailed mealybugs (<i>Pseudococcus longispinus</i>)	140g/m ³ (6 hours exposure)
Table grapes	Light brown apple moth (<i>Epiphyas postvittana</i>), Red back spiders (<i>Latrodectus hasselti</i>), Two spotted mite (<i>Tetranychus urticae</i>) Long tailed mealybug (<i>Pseudococcus longispinus</i>), Western flower thrips (<i>Frankliniella occidentalis</i>), Plague thrips (<i>Thrips imagines</i>)	240g/m ³ (4 hours exposure) 120g/m ³ (3 hours exposure)

For New Zealand application rates, please refer to the NZ Agricultural Compound and Veterinary Medicines product label.





Providing innovative solutions to move your business ahead.

Safety.

BOC is well-known as a national distributor of gas and equipment but we also understand that workplace safety is of vital importance too. If you need head and face protection, protective clothing and footwear or other safety equipment – we're there. Our BOC Safety Specialists are trained to help you achieve your safety initiatives. They can visit your workplace to identify risks, make assessments and offer recommendations for a safer workplace. Just as we protect our own people, you can count on BOC's reputation and commitment to help protect yours.

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