



International



# Leading the way in global pest control

Developing and supplying innovative and novel rodenticide and insecticide products for the control of public health and farming pests throughout Asia Pacific.



[www.PelGar.co.uk](http://www.PelGar.co.uk)

▶ Rodent Control ▶ Insect Control ▶ Plant Protection ▶ Insect Repellents ▶ Decontamination Kits





## International

**PelGar International is the leading British manufacturer of highly effective rodenticide and insecticide products for the control of public health and farming pests around the world.**

With an active and dynamic research and development programme, which draws on a wide range of market intelligence and technical feed-back, we aim to provide innovative and novel solutions to any global pest problem.





**PelGar operates from its headquarters in Hampshire, England and through local offices in mainland Europe, Africa, Australia and North America.**

Our analytical and formulation laboratory ensures the highest product quality from two UK manufacturing sites, while our research centre provides the technical team with valuable insights into the behaviour and biology of the rodents and insects being targeted.

We believe that while the active ingredients used in the industry may be common, the target pests and the environments in which they live are very different. Providing effective control therefore means that the active substances need to be available in a wide range of high quality formulations. Our innovative formulation technology helps to maximise product efficacy against the target pest, whilst minimising any potential risk to the user, non-target species and the environment.

PelGar holds complete dossiers on the three rodenticide actives difenacoum, bromadiolone and brodifacoum with a

wide range of registered formulations. Our large portfolio of insecticides is based on synthetic pyrethroids and insect growth regulators and we are global specialists in natural pyrethrum products for use on plants.

We provide renowned products and expertise in over 70 countries worldwide, supporting customers who are directly involved in controlling nuisance pests, national campaigns against the vectors of disease and local and national conservation projects. Our global network of experienced staff and in country resources guarantee an exceptional level of service while seeking out the next strategic partnership to further develop our business.

The availability of products in this catalogue will be dependent on local registrations and demand, please consult your local representative for more information. ■

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# Insect Control with PelGar Insecticides



**PelGar manufactures a broad range of insecticides for public health and agricultural use, ranging from liquid concentrates to ready for use (RFU) sprays and aerosols.**



**There is no such thing as a ‘universal’ insecticide which will perform perfectly against all pests, on all substrates and under all environmental conditions. By designing specific formulation types for different problem situations, we are able to enhance the insecticidal activity of the active materials**

Our insecticides range from the cost effective 40% cypermethrin wettable powders to advanced multi-active ingredient formulations that combine fast-acting and long-lasting effects, or have different modes of action, for the control of even the most difficult pest population.

Years of research and experience in Australia, New Zealand and the South East Asia region have enabled our team to produce some of the most robust and effective pest control insecticides available in today’s market.

Most of our insecticides are based on one or more of the synthetic pyrethroids, which are well known for their ‘broad-spectrum’ activity. Some

products also contain the extremely potent insect growth regulator pyriproxyfen. This offers dual action control while reducing the onset of potential insecticide resistance. Further protection from resistance is achieved by incorporating high levels of the pyrethroid synergist piperonyl butoxide (PBO).

PelGar is also a specialist in the application of natural pyrethrins, a substance purified from chrysanthemum flowers which causes rapid knockdown of insects followed shortly by death.

The mode of action is nonsystemic, and is contact action, caused by the binding of pyrethrins to sodium channels which inhibits the insect’s nervous system.

This mode of action leads to a broad-spectrum of insecticidal activity, and due to the non-persistence of the active ingredient in the environment, insect resistance is very rare. ■



## Plant Protection

# PyGar Organic / AgriPy

Contains:  
**5% w/v pyrethrins**

Control:  
**Flies, midges, red-mite, aphids, mealybugs, scale insects and general crawling insects**

Application:  
**Compression sprayer**

Availability:  
**1L bottles**  
**5L flagons**



**Approved for use by international organic farming organisations such as Organic Farmers & Growers.**

PyGar Organic, known in some markets as AgriPy, is a special water based formulation that contains only the most environmentally sensitive materials with no PBO. A special blend of pyrethrum and natural food oils formulated to optimise the insect killing power of natural pyrethrum. PelGar Organic is very crop safe and can be used on a wide range of crops including vegetables, fruit, coffee, cocoa and broad acre crops such as wheat and maize. ■

**Insecticide Concentrates**

# Agrocypa/ Terminator

Contains:

**10% w/w cypermethrin**

Control:

**Ants, beetles, cockroaches,  
fleas, ticks, flies, mosquitoes,  
moths and wasps**

Application:

**Compression sprayer**

Availability:

**1L auto-dose bottles**



**Agrocypa, known in some markets as Terminator, is a micro emulsion concentrate for professional use, it has a very long lasting residual action which is effective against a wide range of pests.**

It is recommended for use in the home, in schools, factories, warehouses, farm buildings, restaurants, other public buildings and on refuse tips for long term insect control. ■

## Insecticide Concentrates

# Alphaban 10SC

Contains:

**9.8% w/w alpha-cypermethrin**

Control:

**Flies, midges, red-mite,  
general crawling insects**

Application:

**Compression sprayer**

Availability:

**1L bottles  
5L flagons**



**This high strength insecticide offers a single active material; the powerful killing agent alpha-cypermethrin.**

Ideal where no pyrethroid resistance is suspected, Alphaban 10SC has a broad spectrum of activity and performs well on a wide variety of sorbative surfaces against midges, red-mite and general crawling insects. It offers good residuality and is a highly cost effective product. Applied with a compression sprayer, the suspension concentrate formulation is less dusty, easier to dose and easier to disperse in water than a wettable powder yet retains the main benefit of insecticidal particles remaining on the surface where they are readily available to the target pest. ■

Insecticide Concentrates

# Alphaban Super EW

Contains:

**14.5% w/w cypermethrin**  
**4.8% w/w tetramethrin**  
**19.3% w/w piperonyl butoxide**

Control:

**Flying and crawling insects including: bedbugs, fleas, cockroaches, beetles, flies, mosquitoes, moths and wasps**

Application:

**Compression sprayer**

Availability:

**500ml auto-dose bottles**  
**5L flagons**



**Alphaban Super EW is a highly effective residual insecticide designed for the control of a wide range of insect pests.**

High levels of the killing agent cypermethrin combined with the flushing and knockdown power of tetramethrin and the addition of high levels of PBO offer a highly effective insecticide concentrate that will break the resistance cycle where other lesser products have been constantly used. ■

## Insecticide Concentrates

# Cimetrol Super EW

Contains:

**25% w/w cypermethrin**

**10% w/w tetramethrin**

**20% w/w piperonyl butoxide**

**1% w/w pyriproxyfen**

Control:

**Bed-bugs, fleas,  
general crawling insects**

Application:

**Compression sprayer**

Availability:

**500ml auto-dose bottles**



**Formulated as an oil-in-water emulsion, our award winning Cimetrol Super allows rapid access of the active ingredient to the target pest while providing long lasting residual control.**

This advanced formulation has the multi-action properties of both of its predecessors, Cimetrol and Stingray. Cimetrol Super contains a Type I pyrethroid for fast flushing and knockdown, a Type II pyrethroid for rapid kill of the insects, a metabolic synergist to bypass insect metabolic resistances, and an Insect Growth Regulator (IGR), demonstrating a completely different mode of action, to ensure that any stubborn populations never get to pass their resistant properties onto the next generation. ■

Insecticide Concentrates

# Cytrol XL

Contains:

**7.5% w/w cypermethrin**  
**5% w/w tetramethrin**  
**2.5% w/w piperonyl butoxide**

Control:

**Crawling insects including cockroaches or resting insects including flies**

Application:

**As a thermal fog or ULV space treatment. Can also be diluted and applied using a compression sprayer**

Availability:

**500ml auto-dose bottles**



**Cytrol XL is an EC/UL formulation that allows dilution with either oil (kerosene or diesel) or water.**

When applied as a thermal fog or ULV space treatment it provides cost effective control of flying insects including flies, mosquitoes and biting midges. The product can also be diluted with water and applied as a residual treatment using a compression sprayer for the control of crawling or resting flying insects.

The active substance cypermethrin is a broad spectrum synthetic pyrethroid which provides both rapid kill on contact with the insect target and, being photo-stable, provides good residual control. The addition of the synergist piperonyl butoxide (PBO) enhances the speed of knockdown and synergises the killing effect. ■

## Insecticide Concentrates

# Delta 2.5EC

Contains:

**2.5% w/w deltamethrin**

Control:

**Wide range of flying and crawling insects, including cockroaches and flies**

Application:

**Compression sprayer**

Availability:

**1L auto-dose bottles  
5L flagons**



**Effective against a wide range of flying and crawling insects, Delta 2.5 EC is an advanced broad-spectrum insecticide for public health pest control.**

This versatile insecticide contains the active ingredient deltamethrin, a synthetic pyrethroid which provides rapid kill on contact with the insect. This makes it a highly effective, fast acting insecticide against a wide range of insects including the aedes aegypti mosquito.

The EC (emulsifiable concentrate) formulation is also cost effective, with only 30mls of product diluted in 5 litres of water required for routine treatments. This equates to a 1 litre bottle producing over 165 litres of finished product (33 x 5 litre compression tanks). ■

Insecticide Concentrates

# Perfect 50EC

Contains:

**50% w/w permethrin**

Control:

**Crawling and flying insects,  
including mosquitoes.**

Application:

**As a thermal fog, or ULV space treatment.  
Can also be diluted and applied using  
a compression sprayer.**

Availability:

**1L bottles  
5L flagons**



**Perfect 50EC is an EC formulation that allows dilution with either oil (kerosene or diesel) or water.**

When applied as a thermal fog or ULV space treatment it provides cost effective control of flying insects including flies, mosquitoes and biting midges. The product can also be applied as a residual treatment using a compression sprayer for the control of crawling or resting flying insects. The product can also be used to treat mosquito nets. ■

RFU Smoke Generators

# Fortefog P Fumers

Contains:

**13.25% w/w permethrin**

Control:

**Flying and crawling insects**

Application:

**Ready-to-use insecticidal smoke generator**

Availability:

**3.5g fumer**

Treats up to 120m<sup>3</sup> (for flying insects)

**11g fumer**

Treats up to 400m<sup>3</sup> (for flying insects)

**27g fumer**

Treats up to 1000m<sup>3</sup> (for flying insects)

**100g fumer**

Treats up to 4000m<sup>3</sup> (for flying insects)



**Fortefog P permethrin fumers are simple to use in the home, factory or warehouse, and effective against a wide range of flying and crawling insects.**

Fumers are particularly useful in situations where spraying access is difficult or limited and tests have shown PelGar fumers are up to ten times more effective than other brands on the market. Fortefog P fumers are available in four standard sizes, the 3.5g and 11g are approved for retail sales and feature a unique non-sparking blue touch paper fuse system. ■

RFU Sprays and Powders

# Protector C

Contains:

**0.1% w/w cypermethrin**

Control:

**Flying and crawling insects**

Application:

**Ready for use trigger spray /  
compression sprayer**

Availability:

**350ml spray bottles  
1L spray bottles  
5L flagons**



**Protector C is ready for use and formulated with cypermethrin to offer long-lasting residual control of crawling and resting flying insects.**

Protector C is water based, non-flammable, and has an advanced micro emulsion formulation for a super effective kill. In addition, the product has no solvent smell and is safe to use on soft furnishings.

A new Protector C+ formulation with added pyriproxyfen will be coming soon. ■

RFU Sprays & Powders

## PyGar Professional

Contains:

**1.4% w/w pyrethrins**

**5.65% w/w piperonyl butoxide**

Control:

**Flying and crawling insects,  
including mosquitoes and flies**

Application:

**As a thermal fog or mist**

Availability:

**5L flagons**



**PyGar Professional is a ready for use non-persistent insecticidal spray for thermal fogging and misting in food handling premises and for public hygiene / nuisance insect control.**

Based on the broad spectrum insecticidal activity of pyrethrins, the addition of synergist piperonyl butoxide (PBO) increases efficacy and inhibits the insects' natural resistance mechanism. ■

RFU Sprays and Powders

# Residex P

Contains:

**0.5% w/w permethrin**

Control:

**Wasps, ants, general crawling insects**

Application:

**Duster**

Availability:

**100g puffer packs  
300g puffer packs  
750g shaker packs  
4kg tubs**



**A broad spectrum ready for use insecticide dust for the control of crawling insects.**

Residex P is simple to use, supplied in either puffer pack, shaker pack, or in bulk for professional use in mechanical dusting machines. Ideal crack and crevice treatment in areas which cannot be sprayed providing effective long lasting residual control. ■

## RFU Sprays and Powders

# Vulcan P RFU

Contains:

**0.25% w/w permethrin**

**0.125% w/w tetramethrin**

**0.75% w/w piperonyl butoxide**

Control:

**Flies, midges, general flying and crawling insects**

Application:

**Atomiser or compression sprayer**

Availability:

**5L cans**



**Vulcan P RFU Fly Spray is an odourless kerosene-based, ready for use (RFU) fly spray based on the killing agent permethrin and the knock down agent tetramethrin.**

The formulation is synergised with piperonyl butoxide and approved in the UK for application as a residual spray and as a 'space' treatment through an atomiser or compression sprayer.

This product is designed for application through a simple atomiser for the control of flies and other flying insects in a wide range of situations including farm buildings. It is also extremely effective as a ready for use surface spray for the control of resting or crawling insects. ■

Insect Repellents

# Permapel

Contains:

**10% w/w permethrin - concentrate**  
**0.5% w/w permethrin as a RFU**

Control:

**Biting insects**

Application:

**Concentrate for dilution and immersion and RFU spray**

Availability:

**300ml flaresol bottle**  
**1L auto-dose bottles**



**Formulated to provide long lasting insect repellence for fabrics against mosquitos, ticks, midges and other biting insects.**

Permapel is suitable for use in all tropical climates on clothing, rucksacks mosquito nets and tents. The concentrate is simply diluted for traditional immersive application to uniforms. Our specially created 'flaresol' uses a bag-in-bottle vacuum action to deliver a fine mist that spreads evenly on all surfaces, even when held upside down. Repeated actuation produces a continuous spray enabling quick and easy coverage of large areas. ■

**NATO registered NSN 6840-99-670-1469 and NSN 6840 99 300 0661**

# Rodent Control with PelGar Rodenticides



Throughout Asia Pacific our main PelGar brands are:

**Roban** - difenacoum    **Rodex** - bromadiolone    **Vertox/Brigand** - brodifacoum

But we also sell under different brand names around the world.

	Pellets	Cast Wax Blocks	Soft Bait	Barrier Paste
<b>ROBAN</b>	•	•	•	
<b>RODEX</b>	•	•	•	
<b>VERTOX</b>	•	•	•	
<b>NON TOXIC</b>		•	•	•



PelGar produces a range of high quality, palatable formulations based on the active ingredients difenacoum, bromadiolone and brodifacoum; the most widely used anticoagulants in rodenticides.

Anticoagulants work by reducing the ability of the rodent's blood to clot and each active has a different level of toxicity to mice and rats, as shown in the table below:

Anticoagulant	LD50 mg ai/kg Mouse/Rat	Bait Concentration (PPM)	LD50 (g of bait) Mouse/Rat*	LD50 (g of bait/kg) Dog
Difenacoum	0.8 / 1.80	50	0.4 / 9.0	1000
Bromadiolone	1.75 / 1.13	50	0.9 / 5.6	200
Brodifacoum	0.40 / 0.27	50	0.2 / 1.4	5.0

\*Typical 250g rat and 25g mouse, consumption based on 25g/3g respectively. LD50 data taken from a variety of industry sources.

As a general guide, in most general control situations difenacoum is more than twice as effective on mice as bromadiolone. For rat control, bromadiolone is the more effective of these two actives. In comparison, brodifacoum is by far the most effective on both rats and mice but is also

considerably more toxic to nontarget species such as birds and dogs.

It is advised that brodifacoum should only be used in specific situations or when control with other anticoagulants has failed.

An integrated pest management plan is recommended to ensure the correct use and placement of the bait, which will greatly enhance the effectiveness of the control and minimise the risk of poisoning non-target animals. All anticoagulants, following accidental or secondary poisoning, can be antidoted with Vitamin K1.

Using these three rodenticide actives PelGar manufactures a range of eight ready to use formulations to provide maximum efficacy in the varied situations and environments for which they are required. Taste adjuvants and sweeteners improve bait 'take' and bio-stats inhibit the growth of fungi or bacteria when the bait is used in damp conditions.

Standard professional use formulations contain 50ppm of the active ingredient and 10ppm of the human aversive agent denatonium benzoate which gives a bitter taste to most humans. ■



# Pellet Baits

Available in the following actives:

**difenacoum**  
**bromadiolone**  
**brodifacoum**

Availability:

**Available in a variety of pack sizes for amateur and professional users, from 20g sachet packs up to 20kg bulk sacks.**



**Pellet baits offer a highly palatable and well balanced food source; perfect for where the target rodent population has been feeding on compound feedstuffs.**

Formulated using a blend of cereals, sugars, proteins and fats, with taste adjuvants to improve bait 'take', our pellet baits are available in all three active ingredients difenacoum, bromadiolone and brodifacoum. With a long shelf life they are recommended for use indoors, outdoors in dry climates or where they can be well protected from moisture. ■

# Soft Pasta Baits

Available in the following actives:

**difenacoum**  
**bromadiolone**  
**brodifacoum**

Availability:

**10 or 15g 'T-bags'** which can be wired or nailed in place, or **300g caulking tubes** for spot placement. Pack sizes are available for amateur and professional users and range from 50g sachet packs up to 10kg buckets.



**When a 'non-spill' bait is required our pasta or paste baits offer the perfect alternative.**

Made with either oil or animal fat, they offer a high calorie feed that can be particularly useful when multiple food sources are available or where rodents have declined to accept other baits.

These highly palatable baits are formulated using a blend of high quality culinary grade wheat flour, chopped grain and soft lard to produce a high calorie, high energy feed. The synthetic peanut flavouring is highly appealing to both rats and mice and, because it doesn't contain any actual nuts, it can be used in sensitive areas such as food processing areas/factories. Pasta baits are available in all three difenacoum, bromadiolone and brodifacoum actives and remain pliable even in freezing temperatures. ■

# Wax Block Baits

Available in the following actives:

**difenacoum**  
**bromadiolone**  
**brodifacoum**

Availability:

Available in a variety of pack sizes for amateur and professional users, from 25g sachet packs up to 20kg bulk sacks.



**Wax block baits are ideal for use in situations where bait security is paramount or where baits are used in damp and humid environments.**

The result of extensive research by PelGar, our cast and compressed wax blocks are formulated using high quality culinary grade wheat flour blended with chopped wheat, other cereals and proteins to ensure excellent bait 'take'. The compression and hot casting production methods give considerably more protection from the elements when compared to extruded blocks. Easily secured in place in a bait station or wired/nailed in place in protected locations, for ultimate bait security our larger blocks have a central hole for threading on to spikes or bars. ■

# Non Toxic Baits

Available in the following actives:

## Non Toxic

Availability:

**PelGar's non-toxic baits are available in two formulations; pasta bait and wax blocks**



**Non-toxic baits are becoming increasingly important in the battle against rodents where toxic baits cannot be used or should not be used permanently.**

PelGar's non-toxic baits are made to the same exacting specifications as the toxic formulations. They can easily be switched out when infestations are identified without any detection by the target rodents or used to encourage rodents to visit traps or cages. ■

# Non Toxic Barrier Paste

Contains:

**Non toxic paste containing EPS beads and metal fibres.**

**Contains no pesticides or biocides.**

Application:

**Ready for use application with a caulking gun**

Availability:

**340g caulking tube  
Box of 12 tubes**



**RodentStop is an innovative physical barrier formulation that seals cracks, seams, holes, gnawed openings and other open areas to prevent entry from rodents and other pests.**

Using a caulking gun, it is quick and easy to apply onto many surfaces including PVC, is instantly waterproof, paintable when dry and unaffected by extreme temperatures to provide long lasting protection. The versatility and flexibility of RodentStop make it ideal for use in a wide range of locations both internally and externally. It can be effectively incorporated into both new and existing buildings and is particularly well suited to hygiene sensitive areas, such as food manufacturing and preparation facilities, or around plumbing and electrical cables. ■



# Accessories

Bait safety is of paramount importance in any rodent control programme. Bait should be placed to limit access to non-target animals, particularly dogs, cats, pigs and poultry.



**PelGar manufactures and sources a range of baiting accessories, shown here are some of examples of our most popular products - for more information and details of other products please contact us.**

Bait stations are one of the easiest ways to keep bait safe and provide a convenient and simple way to place, check and top up rodenticide baits. They also help keep bait dry and fresh when used in outdoor or damp locations. PelGar's lockable rat and mouse boxes have been designed to be used with all baits and can be supplied with bars to secure block and pasta baits. The rat station can also house a break-back trap which can be set while the station is closed. The PelGar E-Z Baiter is a multifunctional rat bait station that exploits the natural behaviour of rats to run through tunnels. Two transparent vertical tubes are inserted in the top of the bait station to hold loose baits, helping to keep the bait fresh until eaten. ■



PelGar International is committed to providing you with the right solution to your problem. Please contact us for more detailed product information and availability.

## **PelGar International**

### **Head Office**

13 Newman Lane, Alton,  
Hampshire GU34 2QR  
Tel: **+44 (0) 1420 80744**  
Fax: **+44 (0) 1420 80733**  
Email: **sales@pelgar.co.uk**

### **Gerwyn Jones**

Asia Pacific Business Manager  
Email: **gerwyn@pelgar.co.uk**  
Tel: **+61 7 3112 1024**  
Mob: **+64 21 670 105**  
Skype: **gerwynrjones**



## **International**

PelGar International, 13 Newman Lane, Alton, Hampshire GU34 2QR  
Tel: **01420 80744** Email: **sales@pelgar.co.uk**

**www.PelGar.co.uk**

▶ Rodent Control ▶ Insect Control ▶ Plant Protection ▶ Insect Repellents ▶ Decontamination Kits

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