PelGar International

PRODUCT GUIDE

Leading the Way in Global Pest Control
PelGar International develops, manufactures, registers and markets highly effective rodenticides and insecticides, for public health and agricultural (non-crop) use. The company operates from UK headquarters in Hampshire and an export office in Lyon, France.

The company offers high quality products that are designed to exploit the specific behaviour and feeding preferences of the target pest, at affordable prices.

The directors and staff have many years experience and expertise in pest control, and this is reflected in the wide range of innovative and novel products on offer. Efficient in-house manufacturing gives the company the flexibility to provide products that customers really want, while retaining a tight grip on quality and service.

PelGar produces a wide range of formulations based on the active ingredients:

**Rodenticides**
- Difenacoum.
- Bromadiolone.
- Brodifacoum.

**Insecticides**
- Alpha-cypermethrin.
- Cypermethrin.
- Pyriproxifen.

PelGar will become one of the largest suppliers to the public health pest control and agricultural rodenticides sectors within the EU and beyond, and already ‘leads the way’ in many aspects of global pest control.

**Product Guide**

This booklet provides all the essential information on PelGar’s core products. Each is supported with a full range of literature and safety data sheets.

Technical advice is also available by phone or email, call 01420 80744 or email jonathan@pelgar.co.uk.

PelGar has also developed several specialist products not described in this booklet. If you do not find a product that meets your requirements, please contact us, as we can probably help.
Leading the Way in Rodent Control

PelGar rodenticides are based on the three most widely used second generation anti-coagulants; difenacoum, bromadiolone and brodifacoum. The company is defending all three through the European Biocides Directive 98/8/EC.

PelGar baits come in a wide range of formulations (see page 9), so that customers can buy everything they need from a single supplier. This allows them to capitalise on the additional service and cost benefits that come from working with one company.

ROBAN Wheat Baits

All Roban baits contain 0.005% difenacoum and 0.001% denatonium benzoate, the human aversive agent. PelGar baits are some of the most palatable available because they:
- are made from high quality food grade ingredients.
- contain added sugars, flavours, special aromas and preservatives.
- are moisture balanced.

ROBAN Whole Wheat Bait

Particularly suitable for using against rats as they like the large grain size.

The formulation uses dust-free, micronised wheat. Micronising prevents germination and begins the process of starch breakdown into sugars within the grain, which increases its attractiveness to rodents.

ROBAN Cut Wheat Bait

Particularly effective against mice as they have a tendency to ‘kibble’ whole grain baits, stripping off the treated outer surface, and only eating the inside.
The use of block baits is becoming increasingly popular in rodent control programmes. They are:
- clean.
- easy to secure in a bait box.
- less attractive to children and non-target animals than some other bait presentations.
- easy to monitor for bait take.
- non-spill.

**ROBAN Wax Block Bait – Okta-Blok**

A very attractive cast wax block with a hole in the centre for easy fixing. High water resistance means they are ideal for burrow/sewer baiting and for use in damp conditions.

Roban Okta-Blok bait is made from high quality culinary grade wheat flour, which is blended with chopped wheat, oats and milk protein, and held together by edible waxes.

**ROBAN Extruded Block Bait**

An extruded bait block which has a higher palatability ratio than cast blocks, but shows less tolerance to moisture or damp conditions.

Neat, tidy, and secure, this is a good alternative to loose wheat baits.

NB: This formulation is only currently available for export.
ROBAN Speciality Baits

PelGar’s range of speciality baits are new, innovative products which have been designed and developed in-house. These baits offer ideal baiting solutions for specific situations.

ROBAN Pasta Bait

A very palatable formulation that will tempt rodents away from many other food sources that are nearby. Its high energy content makes it particularly useful in cold weather and during the breeding season.

Pasta bait is made from a blend of high quality culinary grade wheat flour, chopped grain, soft lard and peanut butter flavouring to produce a high energy feed.

Roban pasta bait is available in buckets containing 15g ‘T-bags’ and 300g mastic tubes – ideal for direct application into bait boxes or placement into cracks and crevices.

ROBAN Pellet Bait

Roban pellet bait offers a complete diet and works well where rodents have been used to eating compound feedstuffs.

Unlike grain baits where the poison is concentrated on the outside, pellet bait has an even concentration of poison all the way through, ensuring a lethal dose is consumed with minimum ingestion.

The pellets are made with high quality culinary grade wheat flour blended with milled oats, added sugars, milk protein and fat.
**ROBAN Contact Gel**

Roban Contact Gel is a highly adhesive gel which sticks readily to mouse feet and fur, and is then ingested through normal grooming behaviour. It is not a ‘feed’ bait and is an extremely potent formulation – 20 times stronger than PelGar feed baits. It contains 0.1% difenacoum and 0.02% denatonium benzoate, the human aversive agent. Contact gel is licenced in the UK for professional use for the control of mice, and is particularly useful where edible baits are not being eaten.

The gel is formulated to be easily dispensed either by means of a 300g ‘mastic’ gun or directly from a tub by using a wooden, metal or plastic spatula.

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**RODEX Whole Wheat Bait**

Rodex offers a high quality alternative to baits containing difenacoum. Rodex whole wheat bait contains 0.005% bromadiolone and 0.001% denatonium benzoate, the human aversive agent.

Rodex whole wheat is made from micronised wheat. Micronising prevents germination and begins the process of starch breakdown into sugars, which increases its attractiveness to rodents.

Rodex Whole Wheat is highly palatable because it:
- is made from high quality food grade wheat.
- contains added sugars, flavours, special aromas and preservatives.
- is moisture balanced.
PelGar Bait Stations

For a campaign to be successful it is crucial to place bait where:
- rodents will find it easily.
- it is protected from the weather.
- it is not accessible by non-target animals or children.

PelGar has a range of effective yet affordable bait boxes.

**Standard Rat and Mouse Boxes**

Simple yet effective, both rat and mouse boxes are lockable and contain two areas for placing baits. Rat boxes also come with a metal rod for attaching bait blocks or pasta ‘T-bags’.

**New PelGar EZ Baiter**

A novel, new, multi-purpose bait station which can be used in many situations.

Loose bait can be put into a tray and blocks or pasta ‘T-bags’ can also be fixed securely inside.

Two transparent vertical tubes can be slotted into the top down which loose bait or Roban Wax Block bait can be placed. This allows operators to see exactly how much bait has been eaten without having to open the box.

The design also allows for a rat trap to be placed in the middle of the box.

**100g Place Packs**

Place packs are available in Roban Whole Wheat Bait, Roban Cut Wheat Bait and Rodex Whole Wheat Bait.

The big advantage of using these is that all bait is contained prior to eating.

They are ideal for protecting valuable silage bale stacks from rat attacks.
**VERTOX Baits**

Vertox baits contain the second generation anti-coagulant brodifacoum at a concentration of 0.005% with 0.001% denatonium benzoate, the human aversive agent.

Unlike difenacoum and bromadiolone, baits based on brodifacoum offer a single feed kill, meaning rats and mice only need to feed on the bait once to consume a lethal dose.

Because of this, brodifacoum can pose a much higher threat to non-target animals if incorrectly placed and therefore comes with stringent guidelines for use. In the UK brodifacoum baits must only be used indoors by professional users, and where the source of the infestation has been located indoors.

**VERTOX Rolled Oats**

Rolled oats offer a feedstuff high in sweet natural oils which appeal greatly to mice and are also very attractive to rats. These oils increase the palatability of the bait and provide extra calories to rodents seeking food and shelter in the cooler months.

**VERTOX Pellet Bait**

Vertox pellet bait offers a complete diet and works well where rodents have been used to eating compound feedstuffs.

Unlike grain baits where the poison is concentrated on the outside, pellet bait has an even concentration of poison all the way through ensuring a lethal dose is consumed with minimum ingestion.

The pellets are made with high quality culinary grade wheat flour blended with milled oats, added sugars, milk protein and fat.
PelGar’s Rodenticide Range

PelGar makes its baits in a wide range of pack sizes to suit different users and different pest control situations. As PelGar designs and manufactures all its products in-house, it is able to tailor its products and formulations to the needs of its customers, offering a one-stop shop for anyone involved in the control of rats and mice.

**ROBAN Whole Wheat Bait**
HSE No. 7205
Tubs: 250g, 500g, 1.5kg, 3kg, 6kg, 10kg, 20kg.
Sacks: 25kg (20kg on its way).
100g Place Packs: 1kg, 6kg, 15kg.

**ROBAN Cut Wheat Bait**
HSE No. 7175
Tubs: 250g, 500g, 1.5kg, 3kg, 6kg, 10kg, 20kg.
Sacks: 25kg (20kg on its way).
100g Place Packs: 1kg, 6kg, 15kg.

**ROBAN Wax Block Bait – Okta-Blok**
HSE No. 7474
Tubs: 1kg, 2.5kg, 6kg.

**ROBAN Pasta Bait**
HSE No. 8116
Tubs: 2.5kg, 10kg.
Mastic Tube: 300g.

**ROBAN Pellet Bait**
HSE No. 7182
Tubs: 250g, 500g, 1.5kg, 3kg, 6kg, 10kg.

**ROBAN Contact Gel**
HSE No. 8378
Tubs: 1kg.
Mastic Tube: 300g.

**RODEX Whole Wheat Bait**
HSE No. 7713
Tubs: 1.5kg, 3kg, 6kg, 10kg, 20kg.
Sacks: 25kg (20kg on its way).
100g Place Packs: 1kg, 6kg, 15kg.

**VERTOX Rolled Oats**
HSE No. 8029
Tubs: 1.5kg, 3kg, 6kg, 10kg.

**VERTOX Pellet Bait**
HSE No. 8028
Tubs: 1.5kg, 3kg, 6kg, 10kg.

Roban, Rodex and Vertox are registered trade marks of PelGar International.
Safety data sheets on PelGar products can be obtained by visiting www.pelgar.co.uk.
Rats and mice cause millions of pounds worth of damage every year, not only on farms and in food processing plants, but also in industrial, commercial and domestic premises.

- They can carry and transmit many diseases to livestock and humans as a result of living in unhygienic places.
- They cause damage to stored materials, including human and animal foodstuffs, paper and plastic goods.
- They cause structural damage to buildings by undermining the floors.
- They contaminate huge volumes of food material, making it unfit for human or animal consumption.
- They create fire hazards by chewing power and data cables.

Rats and mice can be quickly and effectively controlled by following a well planned and focussed baiting campaign. However, rodent control programmes often fail because:

- not enough product is used.
- the wrong type of product is used.
- bait is put in the wrong place for rats and mice to find.
- alternative food sources close to the baiting point have not been removed.

For effective control, follow-up treatments, site inspections and bait top-ups should be made soon after the first bait placements have been put down. A bait point is useless if there is no bait left in it, as rats and mice will go elsewhere to find food.

Poor site hygiene before and after the control operation will also lead to failure, call-backs and unhappy customers.
Six Steps to Successful Rodent Control

Tidy up spilt food: Clear up spills and alternative food sources before baiting, but do not remove existing rodent harbourages or disrupt the general environment as this may displace rodents to other areas.

Look for signs: Monitor the control area, checking for signs of intense rodent activity. Look for fresh signs of damage, foot-prints, rat-runs, gnawing, new droppings, rub marks or even sounds of squeaking and scuffling. It is essential to make a sketch of the control site.

Choose the right rodenticide: Rats tend to feed on one food source at a time. Take advantage of this and try to match the right formulation to the preferred food source. Rats do not like change and in agricultural environments can be wary of new food sources. This ‘neophobia’ is less pronounced in urban areas, where a wide variety of food sources and types is generally available.

Follow a sound baiting routine: Place the bait securely, use the correct amount of bait, never ‘under-bait’ — it is not cost-effective in the long run. Service the bait points as often as possible, at least every 2–3 days during the first two weeks of treatment. Replenish used bait and replace dirty bait. Put more bait points in busy areas, and remove inactive bait points. Remove any dead rodents found at inspection times – this is a legal obligation to avoid secondary or non-target risk. Remove unused bait and any remaining dead rodents after treatment.

Stop new rats coming in: At the end of the baiting campaign take steps to prevent the entry of new rodents by rodent proofing, sealing pipe-work and ductwork cavities and improving site hygiene. Rodent proofing may be the obligation of the client – make sure they understand this and their own legal obligations.

Remain vigilant: Plan ahead, set-up a ‘rodent watch’ system with the client or premises owner. It is easier to deal with a small number of new rodents than be forced to begin another full-scale campaign.

NOTE FOR PROFESSIONAL USERS Long-term use of these anticoagulant products (particularly out-of-doors) should be avoided. Anti-coagulant baits should not be left in place for longer than is necessary to achieve control of the rodent population. Typically this should take no longer than 35 days. Once control is achieved bait should be removed and no re-treatment of the site should occur until significant re-infestation occurs. Records of treatment and risk assessments should be maintained, and only where a risk assessment for a current infestation demonstrates that control will require a long-term baiting programme, will the relevant regulatory authority allow this approach. Where the need for long-term baiting has been shown, the user should monitor the situation closely to ensure that the circumstances originally considered, do not significantly change.

DISPOSAL OF DEAD RODENTS, SPOILT, CONTAMINATED OR UNUSED BAIT
Priority for the disposal of individual or small numbers of poisoned vermin from routine baiting as waste to protect health and environment.

- Disposal via on-farm small carcass incinerators (regulated under the Animal By-Product Regulation).
- Removal along with other waste as part of the domestic waste collection round (subject to local authority agreement).
- Disposal off-site at a suitably authorised incinerator or landfill; or where this is not possible, burial on site provided this is done away from sensitive areas and in line with the Code of Practice for the Protection of Water: Disposal should take place without delay to prevent contact with other wildlife.

The above applies to an individual farmer or gamekeeper disposing of carcasses from routine vermin control. Where a commercial rodent control firm is employed for vermin control or larger scale extermination, the firm would be expected to gather and remove carcasses for disposal off site at a suitably authorised incineration or landfill.
PelGar International has developed and registered a range of highly effective insecticides. Most of their products contain at least two active ingredients which combine long-lasting and fast-acting effects, or have different modes of action, for the control of even the most difficult species or populations.

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

Most of the insecticides are based on one or more synthetic pyrethroids, which are well known for their ‘broad-spectrum’ activity. Some PelGar products also contain the extremely potent insect growth regulator pyriproxifen. 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.

Years of research and experience in Europe, the Near East, Africa and South America have enabled PelGar to produce some of the most robust and effective pest control insecticides available in today’s market.
Cimetrol

Cimetrol was specifically designed and formulated for the effective control of bed-bugs and fleas, and is particularly good for serious infestations, where call-backs are costly and bad for the client’s reputation.

Cimetrol has a deadly dual action effect – containing the killing agent alpha-cypermethrin, the knock-down agent tetramethrin, and the insect growth regulator pyriproxyfen. It is formulated as a suspo-emulsion.

Cimetrol works equally well on flea infestations, as the insect growth regulator attacks flea eggs and larvae lying deep within the carpet fibre or hiding in floor-board cracks. It also works very well on all other pest problems.

Dose 25–50ml/5 litres/100sqm.
Available in 4 x 5 litre, 12 x 1 litre and 10 x 0.5 litre packs.

Nylar 4 EW

Nylar offers unsurpassed flea control as it affects gravid females, larvae and eggs, and can also be used to tackle cockroach infestations.

This product contains the insect growth regulator pyriproxyfen and can be ‘tank-mixed’ with a wide range of other manufacturers products* which contain different active ingredients, with different modes of action. It can be applied using a standard compression sprayer.

*See label for details of which products it is approved for tank mixing with.

Dose 10–25ml/5 litre/100sqm.
Available in 12 x 1 litre and 10 x 0.5 litre pack sizes.
Cytrol Forte WP

One of the ‘flag-ship’ products of the PelGar range, Cytrol Forte is a high strength wettable powder, containing the powerful synthetic pyrethroid cypermethrin. This has good intrinsic insecticidal qualities and good ‘flushing’ and ‘knock-down’ effect. Cytrol Forte provides high levels of control over a long period, against a wide variety of pest species. It is also very effective on many different surfaces, especially those that are porous or semi-porous such as wood, brick and plaster. After application, the active ingredient is left on the surface as a microscopic, insecticidal active powder which is readily picked up when an insect walks over it.

Dose 10–20g/5 litres/125sqm.
Available packed in water-soluble 10g unit-dose sachets or in bulk 250g tubs.

Cytrol XL

Cytrol XL is a solvent-based concentrate containing cypermethrin and tetramethrin. It is a versatile product which is dilutable in a water or oil base, mixing readily with water, kerosene or diesel oil. Rich solvent odour makes this an ideal product for use in non-sensitive areas, or for outdoor use against a wide spectrum of pests.

Dose 37.5–75ml/5 litres/100sqm.
Available in 25 litres, 4 x 5 litre, 12 x 1 litre and 6 x 0.5 litre pack sizes.
Stingray ME is a solvent free, water dilutable micro-emulsion concentrate containing the active ingredients alpha-cypermethrin and tetramethrin, insect growth regulator pyriproxyfen and the pyrethroid synergist piperonyl butoxide. This insecticide works fast and is long acting, even in the most difficult situations. It is ideal where control with a single pyrethroid active substance has not given good results, or where long residual control is required.

Poultry Red-Mites
Stingray ME is especially recommended for use against poultry red-mites, where a special application regime of three treatments in rapid succession will provide fast and dramatic long-term control. Stingray ME is also effective against a broad spectrum of other public health pests, including crawling insects such as fleas, bed-bugs, cockroaches, earwigs, silverfish, spiders, beetles (and their larvae), ants, ticks and lice, as well as 'resting' flying pests such as flies, mosquitoes, wasps and moths (and their larvae).

Stingray ME – perfect for all pest problems. One product – all jobs!

Dose 25–50ml/5 litre/100sqm. Available in 4 x 5 litre, 12 x 1 litre, 10 x 0.5 litre and 20 x 25ml water-soluble sachet pack sizes.
**Tyrant 50/50 SE**

Tyrant 50/50 SE combines the excellent insecticidal activity of alpha-cypermethrin, formulated as a suspension concentrate, in combination with tetramethrin.

It has good residual activity and an extremely rapid knock-down. It is specifically designed for the control of poultry red-mite and litter beetle in poultry houses.

*Dose 60ml/5 litre/100sqm.*
*Available in 4 x 5 litre and 10 x 0.5 litre pack sizes.*

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**Tyrant Super ME**

Tyrant Super ME is a solvent-free, water dilutable, micro-emulsion concentrate which contains the killing and knock-down agents alpha-cypermethrin and tetramethrin and the pyrethroid synergist piperonyl butoxide.

It works well where control with a single pyrethroid active substance has not given good results, or where pyrethroid resistance is suspected. It is effective against a broad spectrum of pests but especially recommended for use against poultry red-mite.

*Dose 25–60ml/5 litre/100sqm.*
*Available in 4 x 5 litre and 6 x 0.5 litre pack sizes.*
Alphaban 10 SC

Alphaban 10 SC is a high strength product that offers a single active material, the powerful killing agent alphacypermethrin, formulated as a water-based suspension concentrate for dilution with water.

Ideal where no pyrethroid resistance is suspected, this product is labelled for use against a large number of pest species in a wide set of circumstances.

It also performs well on a wide variety of surfaces, provides extended periods of control, and is a highly cost effective product.

Dose 12.5–30ml/5 litres/100sqm.
Available in 4 x 5 litre and 12 x 1 litre pack sizes.

Alphaban Super 5 ME

Alphaban Super 5 ME is a must use product anywhere that pyrethroid tolerance is suspected as it contains very high levels of the synergist piperonyl butoxide. This interferes with, and selectively blocks the insect’s enzyme defensive system, which can diminish the normal killing effects of pyrethroids.

Formulated as a solvent-free ‘micro-emulsion’, the Alphaban Super 5 ME produces super-fine insecticide particles when diluted with water, which enhances take-up by the target insects. It is best suited for use on non-porous surfaces.

Dose 25–60ml/5 litres/100sqm.
Available in 4 x 5 litre and 6 x 0.5 litre pack sizes.
Vulcan P RFU Fly Spray

Vulcan P RFU Fly Spray is a kerosene-based, ready-for-use (RFU) fly spray based on the synergised killing agent permethrin, and the knock-down agent tetramethrin. It is approved in the UK for application as a residual spray and as a ‘space’ treatment.

One advantage of solvent-based ‘RFUs’ is that un-used product can be safely returned to the original pack until it is next needed, as the product will not decay.

Vulcan NP 18 Fly Spray

Vulcan NP 18 is a ready-for-use fly spray based on natural pyrethrum extract, with the synergest piperonyl butoxide. This product demonstrates a broad-spectrum of insect killing activity, but has the specific advantage of being non-residual which will prevent any build-up of resistance.

The product is formulated using a de-odourised kerosene base which greatly improves the ‘quality’ of the spray droplets when the product is used as an air-borne spray against flying insect pests.

Available in 4 x 5 litre tin-plate cans.  

Available in 4 x 5 litre, 25 litre and 200 litre packs.
PelGar Insecticides contain:

**Cimetrol**  
HSE No. 7453  
Contains: 4.65% w/w alpha-cypermethrin, 4.65% w/w tetramethrin and 1.86% w/w pyriproxyfen.

**Nylar 4 EW**  
HSE No. 6373  
Contains: 4.0% w/w pyriproxyfen.

**Cytrol Forte WP**  
HSE No. 6424  
Contains: 40.0% w/w cypermethrin.

**Cytrol XL**  
HSE No. 6679  
Contains: 7.7% w/w cypermethrin and 5.1% w/w tetramethrin.

**Stingray ME**  
HSE No. 7685  
Contains: 4.85% w/w alpha-cypermethrin, 4.78% w/w tetramethrin, 1.90% w/w pyriproxyfen and 13.0% w/w PBO.

**Tyrant 50/50 SE**  
HSE No. 7335  
Contains: 4.9% w/w alpha-cypermethrin and 4.9% w/w tetramethrin.

**Tyrant Super ME**  
HSE No. 7677  
Contains: 4.8% w/w alpha-cypermethrin, 4.8% w/w tetramethrin and 20.0% w/w piperonyl butoxide.

**Alphaban 10 SC**  
HSE No. 8225  
Contains: 9.8% w/w alpha-cypermethrin.

**Alphaban Super 5 ME**  
HSE No. 7689  
Contains: 5.3% w/w alpha-cypermethrin and 20.0% w/w PBO.

**Vulcan P RFU Fly Spray**  
HSE No. 7437  
Contains: 0.25% w/w permethrin and 0.125% w/w tetramethrin plus PBO.

**Vulcan NP 18 Fly Spray**  
HSE No. 7420  
Contains: 0.372% w/w natural pyrethrins and 1.116% PBO.

**Also from PelGar:**

**Cytrol Alpha Universal**  
HSE No. 6681  
Contains: 2.7% w/w alpha-cypermethrin and 2.7% w/w tetramethrin.  
A general purpose product that can be mixed with water or kerosene for use as a residual product or space treatment.

**Cytrol Universal**  
HSE No. 6675  
Contains: 5.4% w/w cypermethrin and 2.7% w/w tetramethrin.  
A general purpose product that can be mixed with water or kerosene for use as a residual product or space treatment.

**Nylar 100**  
HSE No. 6234  
Contains: 10.2% w/w pyriproxyfen.  
Supplied in a 3ml unit dose, Nylar 100 contains a very potent insect growth regulator, making it especially effective against fleas and bedbugs, or in any resistance management programme.

**Vulcan P5 DP**  
HSE No. 7334  
Contains: 0.5% w/w permethrin.  
Formulated as a dust for use in voids or around electrical installations where liquid sprays may not be appropriate. Excellent wasp control.
PelGar is a growing force in the global pesticides market and as such recognises that there are many suppliers out there all vying for your business.

PelGar aims to place products on the market that allows customers to add value to their business. The business was founded on the principle of producing technically excellent products and offering first class support and customer service. It is these principles that have seen PelGar develop and expand, and it is these principles that help to differentiate the company from being ‘just another supplier’.

Support is offered through literature and safety information, and via industry experts who can advise on the phone or in person when required. They can also help you to use PelGar products to best effect, through staff training and on site visits.