



ADVANCED PEST MANAGEMENT, FUMIGATION & BIO SERVICES

Trusted.
Independent.
Committed.

PROTECTING PEOPLE,
PROPERTY & REPUTATION
SINCE 1956





Why We Need Pest Management

Pests on your premises bring contamination, disease, dirt and damage. Beyond the health and structural risks, nobody likes the sight of insects or rodents running around – it turns customers, guests and staff away in seconds.

It is often said that if you followed a fly around for a single day, you would not want to eat for a week. The principle is the same with every pest: what they touch, they contaminate.

Insects, rodents and birds soil food, equipment and work surfaces with droppings, hair and body parts. They carry bacteria, viruses and parasites that can be passed on through what you eat or drink, and they are a known trigger of severe allergic reactions.

Rats and mice are a leading cause of serious fires and property damage. By gnawing through electrical wires and cabling they cause short circuits, and they destroy finished goods, packing material and stored inventory, all of which translates into heavy financial losses.

Insect infestation can lead to the rejection, recall or return of consignments, with consequences that go beyond direct monetary loss to the cancellation of contracts and the loss of long-standing customers.

Bird droppings are a major source of contamination, acting as a reservoir of viral, fungal and bacterial disease. Their corrosive effect damages property and equipment, and bird strikes alone are estimated to cost the global airline industry around USD 3 billion in losses each year.

Effective pest management is therefore essential, not only for healthier living but because your reputation and your business are at stake.

PCMW provides FREE inspection of your premises and a no-obligation quotation.

Crawling Protec

PCMW's General Insect Pest Control covers the everyday insects found on most premises, including cockroaches, ants, silverfish and firebrats.

We use approved broad-spectrum insecticides to control these pests in environments such as:



Homes and residential complexes



Offices and corporate establishments



Factories and manufacturing units



Restaurants, hotels and flight kitchens



Mills and food & beverage processing facilities



Hospitals, medical clinics and pathology laboratories

The new-generation insecticides we use are eco-friendly and near-odourless, and do not persist in the environment after application. This makes them safe to use around people and food



For cockroach control we specifically use gels, which are odourless and do not require the removal of any articles from the area, unlike spray treatments. The gels are placed at strategic points using a special applicator so that infested zones are targeted without disrupting your day-to-day work.



COCKROACHES

Cockroaches are insects of the order Blattaria, a name derived from the Latin word blatta. There are about 4,000 species worldwide. The three most common pest species in India are:

- **American cockroach** - *Periplaneta americana*, about 30 mm (1.2 in) long
- **German cockroach** - *Blattella germanica*, about 15 mm (½ in) long
- **Oriental cockroach** - *Blatta orientalis*, about 25 mm (1 in) long

Disease: Cockroaches are known to transmit bacteria that cause food poisoning (*Salmonella spp.* and *Shigella spp.*) and other disease-causing organisms such as *Staphylococcus spp.*, *Streptococcus spp.*, hepatitis virus, coliform bacteria, typhoid and dysentery. Indoor cockroach infestation is also an important source of allergens and a recognised risk factor for asthma.

Spread: Cockroaches are found in homes, schools, restaurants, hotels, hospitals, warehouses, offices and virtually any structure that has food-preparation or storage areas. They contaminate food and utensils, destroy fabric and paper, and leave unpleasant stains and odours on the surfaces they touch.

Rattus Protec

Target pests: rats, mice and other rodents.

Disease: Salmonellosis, plague, leptospirosis, hantavirus and rickettsial pox. Rodents also carry fleas and other parasites into the premises.

Destruction: Rodents consume and contaminate a significant percentage of the world's food supply every year. By gnawing on electrical wires and cabling they have been known to cause fires and catastrophic equipment failures, resulting in major financial loss and, in some cases, loss of life



Fly Protec

► Flies

Disease: Flies, including their eggs, are potential vectors of intestinal worms and diseases such as dysentery, gastroenteritis, typhoid, cholera and tuberculosis. The organisms are typically picked up from garbage bins, dumps and sewage.



► Aedes Mosquito

Disease: Dengue.

Damage: The Aedes mosquito spreads a number of diseases of which dengue is the most widespread and most serious. If not treated in time, dengue can lead to death.



► Anopheles Mosquito

Disease: Malaria.

Damage: The Anopheles mosquito transmits a range of diseases, of which malaria is by far the deadliest. The WHO estimates that more than 400 million people are infected every year, and the number is rising. Malaria can cause death if not treated in time.



Bed Bugs Protec

Description: Just 5 mm long and reddish-brown in colour, these tiny "blood suckers" are mainly active at night and can consume up to six times their body weight in blood at a single feeding.

Description: Bed-bug bites can cause severe irritation in some people, resulting in loss of sleep, fatigue and restlessness, particularly in children.

Spread: Bed bugs travel into homes, offices and hospitals through cars, trains, buses and aircraft, and via clothing, luggage, furniture and books, all of which they use as harbourage.



Termite Protec

► There are broadly three types of termites:

Disease: Flies, including their eggs, are potential vectors of intestinal worms and diseases such as dysentery, gastroenteritis, typhoid, cholera and tuberculosis. The organisms are typically picked up from garbage bins, dumps and sewage.



- 1 Subterranean termites
- 2 Dry-wood termites
- 3 Damp-wood termites

In India, the species that cause the bulk of destruction are the dry-wood and subterranean termites.



HABITAT:

Termites are like an iceberg — nine-tenths of the colony lies below the surface. The tell-tale signs of infestation are mud tubes on walls, floors and ceilings, and wooden furniture that has suddenly turned hollow.



DIET:

Most termites feed on cellulose from wood and wood by-products. They also feed on fungi, paper, plant debris and soil containing organic matter or animal dung containing plant material.

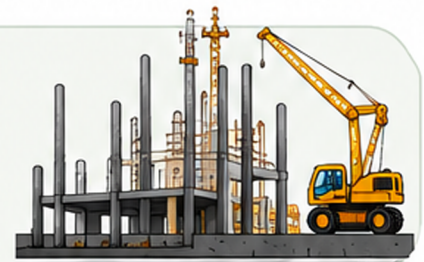
CONTROL

Termite control is divided into two parts:

1

PRE-CONSTRUCTION TREATMENT

begins while the building is still being constructed. The soil, back-fill, plinth, pillars and slabs are all treated with a termiticidal insecticide solution.



2

POST-CONSTRUCTION TREATMENT

is carried out when a building has already been completed. The perimeter (including pillars) is treated by drilling into the ground through the concrete and pouring a specialist termiticidal solution. For buildings with perimeter walls, a trench is dug and the special solution is poured along it. All woodwork is also treated with a specialist termiticidal insecticide solution.



With the modern termiticide solutions now available, PCMW can offer a guarantee of 5 years on pre-construction, post-construction and timber (wood) treatments.

Borer Protec

Types: Powderpost beetles of the families Lyctidae, Anobiidae and Bostrichidae.

Disease: These insects can be extremely destructive to the wood and furnishings used in our homes, offices, hotels and other structures.

Signs of Infestation: Adult beetles and the larvae of wood-infesting insects are rarely visible. What you usually see is the evidence they leave behind – exit holes, powder or frass. The type of wood, whether new or old, and its moisture content all help in correct identification.

Control: Wood injection together with surface treatment using an insecticidal solution is the most accepted way of dealing with wood-boring infestation. Polished, varnished or painted surfaces inhibit penetration of the solution into the wood, so the finish must be removed before treatment. Penetration is generally limited, and a repeat treatment may be required.



Bird Protec

PCMW introduces Bird Spike-a revolutionary tool to get rid of birds in a humane way.

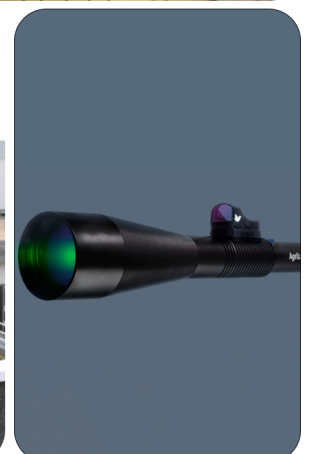
Birds, as pests, could prove very dangerous. Their droppings, feather remains are one of the prime factors in spreading major human diseases such as:

- ✓ Histoplasmosis - Respiratory Disease
- ✓ Salmonellosis - Food Poisoning
- ✓ TEG-Transmissible Gastroenteritis



The Ultimate Solution to Bird Nuisance

- ✓ Advanced laser technology
- ✓ Easy to use
- ✓ Range up to 2500 meter
- ✓ Immediate and long-lasting results
- ✓ Animal and environmentally friendly



Phero Protec

Pheromone Monitoring Control Services in India

Pest Control M. Walshe was one of the first company in India to bring in & use Pheromones as a tool for monitoring in the Pest Management industry. PCMW works in close co-operation with Insects Ltd of the USA, who are one of the pioneers in pheromone technology for Pheromones Monitoring Services

What are Pheromones?

Insects use certain chemical scents to communicate. These chemicals were first discovered over 100 years ago by entomologists who captured female moths in boxes & placed them near an open window, only to find male moths of the same species aggressively attracted to this window. Man has competed with insects since he has been on this planet & will continue to do so as long as he exists. What a human being possess in intelligence, insects overcome with persistence, reproductive capacity, size & adaptability. Insects know how to survive. Some insect species have been on this planet for over 300 million years. Stored product insects are the most damaging insects because they feed upon products that have been grown, harvested, & many times gone through processing stages, packaging stage, marketing stage, transportation stage & finally the storage stage.

Products that become infested have to be discarded causing huge financial losses.

Pheromone Monitoring Service today is the most important step in progressive pest management strategy as it helps by detecting the presence of insect pests at an early stage.

But keep in mind that installing of pheromone traps does not mean that other measures such as sanitation of an effective pest control program are reduced or abandoned.



Fumigation / Quarantine Protec

What is fumigation?

What is fumigation? Fumigation is the process of introducing a chemical- the fumigant into an enclosed space in a high enough concentration, at the required temperature and pressure, that it exists as a gas and is lethal to the target pest. The fumigant acts as a true gas, filling every corner of the treated space (Munro, 1961). The National Pest Control Association of America (NPCA) defines fumigation as "the introduction of a toxic gas into a space in a high enough concentration so that the gas fills all areas to kill target insects".

Our Services PCMW provides a full range of fumigation services for cargo, commodities, vessels, containers and storage facilities, de-signed to deliver pest-free, residue-free goods and to meet international bio-security requirements such as those of Gafta and IMFO.



In-Transit Fumigation

- ✓ Protects cargo from insect infestation during transit
- ✓ Ideal for long-distance and overseas shipments.
- ✓ Ensures low or zero chemical residue.
- ✓ Minimizes health and environmental risks.



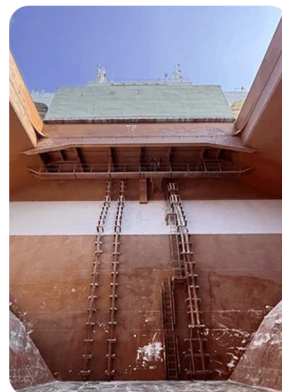
Ship Fumigation

- ✓ Loaded hold fumigation
- ✓ Empty hold fumigation
- ✓ Rodent control in living areas
- ✓ Crew accommodation disinfection



Container Fumigation

- ✓ Safe cross-border compliance
- ✓ Pest elimination
- ✓ Container treatment
- ✓ Commodity treatment



Empty-Hold Fumigation

- ✓ Contamination risk reduction
- ✓ Hold sanitization before loading
- ✓ Insect infestation prevention
- ✓ Residual pest control



Factory Fumigation

Insects routinely settle inside machinery during processing and end up in places that are hard to reach by conventional means. Fumigation is often the only practical way to clean out the machinery and prevent contamination of the finished product



Stored-Grain Fumigation

Studies indicate that up to 7% of stored grain can be damaged within a month. To prevent loss and contamination, fumigation is the only effective option for keeping grain insect-free in storage.



Prophylactic Treatment

"Prophylactic" means a preventive measure. Because fumigants leave no residual effect, prophylactic treatments are applied to prevent reinfestation of goods that have already been treated.



Bulk and Bagged Commodity Fumigation

Any agricultural commodity in storage is liable to be infested. Periodic fumigation preserves the quality of the produce and safeguards its market value at the time of sale



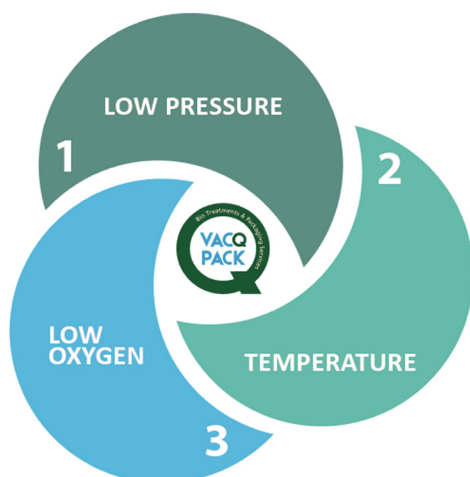
VACQPACK

Facing Problems Like Infestations, Moisture, Molds, Associated Toxins & Rancidity By Oxidation?

Introducing Vacuum Packaging And Bio Treatments



VacQPack uses a Three Weapon System for results



Benefits are:

- ✓ Stabilized & controlled moisture content
- ✓ Shelf life extension - Better value for the product
- ✓ Non-toxic insect control
- ✓ Different sizes & volumes can be processed
- ✓ Reduction of costs on storage & transportation
- ✓ Mobile & low investment on facilities
- ✓ Reduction in Pilferage



VacQPack: Protection That Stays Organic



By drawing down oxygen and replacing it with natural gases, VacQPack creates a controlled atmosphere inside each bulk liner – slowing every process that erodes quality, with no chemicals and no residue.



Minimises oxygen

Halts oxidation that dulls colour, aroma and curcumin potency.



Lowers moisture

Stabilises the pack against mould and quality downgrades



Stops insects & mycotoxins

Eliminates pests at every life stage and prevents toxin formation.



Fully organic & curative

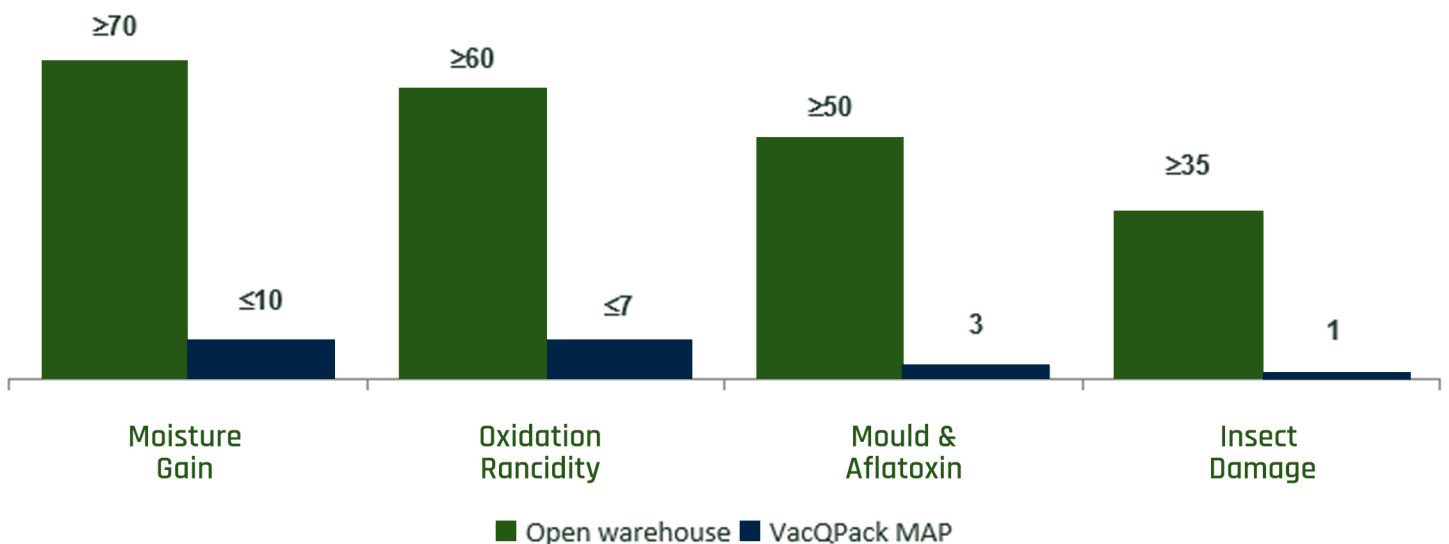
Non-toxic, residue-free – used both preventively and to treat existing infestation



“Keeping it organic” Scalable bulk liners, built for FPCs & exporters.

DETERIORATION DRIVERS · HELD AT BAY

What Storage Destroys VacQPack Doesn't



Pest Risk Management

The industry is moving beyond traditional pest control toward Pest Risk Management (PRM) – a framework that protects food safety, brand integrity and regulatory standing, not just trap counts. PCMW is committed to delivering this evolution to our clients



From Pest Control to Risk Prevention

The traditional question was: "Are pest numbers down?" The food-safety question is: "Did we reduce the risk to the food?"



Pests are only one of several contamination risks – alongside bacteria, allergens, chemical residues and physical contaminants. They deserve the same risk-based, prevention-first treatment as any other hazard.

In a PRM model, success is no longer measured by a low pest count in isolation. Success means a documented, defensible reduction in the underlying risk that pests pose to people and product.



ABOUT PEST CONTROL M. WALSHE LLP



PCMW is India's first ISO 9000-certified pest management and fumigation company, and is certified by TUV India. We are a specialist company dedicated to solving pest problems while meeting today's environmental challenges. We have set for ourselves a standard of excellence above the industry standards, by meeting the demands of a rapidly changing market and exploring new procedures and by partnering with industry to ensure that the best possible results are achieved at minimum cost. We do our utmost to ensure that nothing stands in the way of completing a job. In many a case, our flexibility enables us to succeed where others have failed.

Thank you for choosing PCMW.



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