

# CARIBPEST QUESTIONS & ANSWERS

## How&What?



### 1. Q. WHAT IS FUMIGATION?

A. Fumigation is a method of using a lethal, compressed or pellet form gas in an air-tight, sealed area to exterminate pests within that enclosed space. There are two methods of performing a fumigation. One is to seal the structure with plastic, tape or other sealing materials, and the other is by enclosing the structure in a "tent" of vinyl-coated nylon tarpaulins.

### 2. Q. HOW CAN I TELL IF A HOUSE IS BEING FUMIGATED?

A. It is required that, upon completion of the sealing and after release of the fumigant inside the structure undergoing this process, a sign indicating the name of the operator (Louis Tulloch), The Licensed Company (Caribpest) the date of the release of the gas for fumigation, and the type of fumigant used, be posted by our company on either the front door or on any main entrance of a structure. These signs are to remain for the process and should not be removed except by us.

### 3. Q. WHAT PREPARATIONS MUST BE TAKEN BEFORE A HOUSE IS FUMIGATED?

A. All persons and pets must be removed from the structure prior to fumigation. (This includes pet fish inside the structure). Animals outside, once restrained are safe. Computer work stations not sealed in plastic, metal, glass or highly resistant containers must be removed from the structure or sealed in protective bags as recommended by us. We will also answer any further questions you have regarding safety of the fumigation.

### 4. Q. WHAT INFORMATION ABOUT MY HOUSE SHOULD I GIVE CARIBPEST PRIOR TO FUMIGATION?

A. We may ask you about the presence of any construction elements, conduits, drains, or vacuum systems that could allow passage of the fumigant from your home to adjacent or adjoining structures (EG., Townhouses).

### 5. Q. HOW LONG DOES A FUMIGATION TAKE?

A. The length of time required for a fumigation varies. A fumigation can take anywhere from six hours to one week depending on the type of infestation, dosage, temperature, size of the structure and other factors.

### 6. Q. WHAT DOES THE FUMIGANT SMELL LIKE?

A. Structural fumigants are odorless. Therefore, in some instances fumiganters are required to release a warning (methyl bromide) agent such as chloropicrin (tear gas) within the structure at the time the fumigation begins and throughout the entire fumigation process.

### 7. Q. WHEN TERMITES OR WOOD BORING BEETLES ARE FOUND EMBEDDED, MUST THE STRUCTURE ALWAYS BE FUMIGATED?

A. Yes, fumigation is always preferred method of treatment for EMBEDDED (MULTI-NESTED) above termites and wood-boring beetles. Fumigation is an all encompassing treatment in which the gases permeate the entire structure, cracks and crevices, eradicating termites that are inaccessible inside wood and walls to standard spraying, in addition to the visible infestations. If an infestation is contained in a small area(s), the termites or beetles may be eliminated by local applications. Our company's inspector will use his/her professional judgment to determine, on a case-by-case basis, what type of treatment is necessary. If treatments other than fumigation are recommended, you should be aware that the localized treatments will not provide eradication of other hidden infestations in the building.

### 8. Q. WILL FUMIGATION ELIMINATE ALL THE TERMITES AND PESTS IN THE STRUCTURE?

A. Yes, however subterranean termites require separate treatments to create a barrier between the structure and their nests in walls, roof etc.,. Under optimum conditions, the target pest will be dead or obviously dying by the end of the fumigation. Deep Drywood termites eggs can remain alive as long as a week after receiving a lethal dose of a fumigant. Lethal doses vary for different pests, depending on the type of fumigant used. It is rarely possible for some household pests to survive a fumigation with the dosage used for termites.

NOTE: Droppings of the target pest could occur following a fumigation. Drywood termites and some wood destroying beetles generate small pellets or dust that remains in the tunnels after the insects are killed. You may continue to notice these signs after a fumigation. This does not necessarily mean the fumigation failed. If you have any questions about the success of your treatment, contact our company. Since fumigants have no residual effect, other household pests can reinfest after a fumigation.



Only Caribpest inserts tubes into walls to enhance the diffusion of Gas.

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**9. Q. HOW ARE OCCUPANTS OF A STRUCTURE NOTIFIED THAT A FUMIGATION WILL BE DONE?**

A. Before a structural pest control company applies a fumigant, it must have in its possession an occupant fumigation notice that has been signed by the occupant(s) or designated agent of a structure. The occupant's fumigation notice must state the pest to be controlled, the proposed pesticide(s), including their active ingredients, and the caution statement. This form must state that a lethal gas will be used in the building on indicated dates and that it is unsafe to return to the building until a notice of reentry is posted by the licensee in charge of the fumigation. The owner should receive a copy of the occupant's fumigation notice.

**10. Q. HOW CAN A CLIENT FIND OUT WHAT FUMIGANTS WERE USED ON THEIR PROPERTY?**

A. Before a structural pest control operator applies a fumigant, he must inform the owner or owner's agent and tenant(s) of the fumigants proposed to be used and their active ingredients. The name of the fumigant used will be entered on the notice of reentry that will be posted on the door. This is in addition to the fumigation tag, which indicates the name Caribpest control company, date of the fumigation, and the name of the fumigant used. These tags will be affixed in the subarea and/or attic. (See question 2.)

**11. Q. WHO CAN ENTER A STRUCTURE WHILE IT IS BEING FUMIGATED?**

A. Chemicals used in fumigation are lethal! Exposure to fumigants in a structure being fumigated, even for a few minutes, will result in death or serious injury.

Absolutely **NO ONE** can enter a structure until it has been certified safe for reentry by the licensee in charge of the fumigation. Warning signs are posted in plainly visible locations on or in the immediate vicinity of all entrances.

To ensure that even the owner or tenant cannot reenter a structure, our company will put a secondary lock on all outside doors that only the company can open. These locks may be any device such as padlock, keyway lock or

deadbolts from the inside which will prevent opening by anyone but the licensee in charge.

**12. Q. HOW WILL I KNOW WHEN IT IS SAFE TO MOVE BACK INTO A HOME WHICH HAS JUST BEEN FUMIGATED?**

A. Caribpest will post a reentry notice on the property at the time the structure is actually deemed safe for occupancy. The notice states that the building is safe for reentry, and gives the date and time that the building was released, the name of the structural pest control company issuing the notice, and its telephone numbers.

**13. Q. CAN A HOMEOWNER CONTRACT DIRECTLY WITH A CARIBPEST COMPANY FOR ANNUAL COMPLIANCE INSPECTIONS?**

A. Yes, a homeowner can contract with our company (to annually inspect) by providing a copy of any carpenter's report (which identifies a wood that has been replaced with treated wood after fumigation) Our Company will modify the warranty and extend it to include these, and will issue a certification of treatment after applying preservatives to these sections and also to any newly imported wood in storage or in place within five days of being notified. Caribpest Control Company having performed the initial treatment/s will then attach these additional treatment certificates to any warranty or reinspection report as a notice of work additional completed or corrective work done to update and maintain the warranty.

**14. Q. ARE FUMIGATIONS SAFE?**

A. Fumigations are highly regulated by the management of this Company. Remarkably, this lethal exercise is perhaps the safest in terms of post exercise toxicity. Apart from slight tarnishing some metals, ripening fruits and affecting some animal skins, once properly ventilated, it leaves no harmful residues on surfaces etc. If you have any questions regarding safety of fumigants, chemicals or pesticides, you may call our office for more information.

**15. Q. ARE THERE ALTERNATIVE METHODS AVAILABLE IN LIEU OF FUMIGATION?**

A. There are several alternatives including localized chemical spray treatments that our company offers. There are, however, only two methods for whole-house eradication of drywood, above ground nesting termites and wood destroying beetles: Gas fumigation and wholehouse heat treatment. Other methods such as electro-gun, microwave, and freezing with liquid nitrogen are local/spot treatments that are designed to eradicate termites within a specific area, but are not intended for wholehouse eradication and, therefore, are NOT alternatives to super gas fumigation

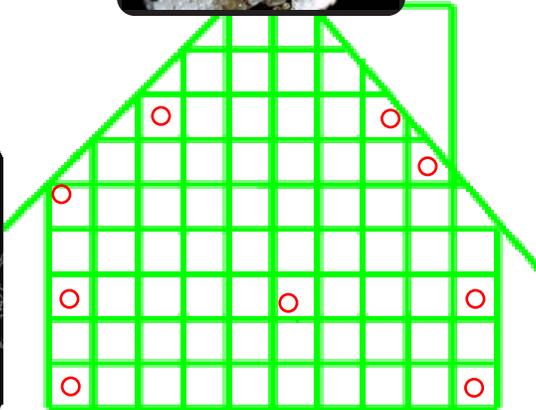
Louis Tulloch

Managing Director

# CARIBPEST QUESTIONS & ANSWERS

**DEEP FUMIGATION  
IS 100%  
EFFECTIVE!**

**Why  
&  
When?**



**When termites are multiple nest embedded.  
FUMIGATE THEM.**

Termites in Jamaica swarm as rainflies. They are not limited to deep soil to avoid frost as they are in North America, where our guidelines to treat originate. There is no need for them to travel back to soil between feedings. So, in South Florida where they nest in walls above ground, structures are quickly tent fumigated. Termites also spread to roofs etc., as rainflies, forming nests above the ground called "aerial colonies" (walls, roof, cupboards, trees). These independent nests are constructed and survive unconnected to ground contact if there was a moisture source available above ground. Inside, these sources of moisture would be from temporary flooding, ac ducts, water tanks on roofs, the slightest leak in roofs, inner wall plumbing leaks in kitchens, bathrooms or condensation that dampens wood. In any event, our humid, dark block walls are ideal nesting areas. When the nest is fully established they generate their own moisture... even when the original source of moisture is dries up. Termite pellets may be formed as these non-soil termites establish themselves in furniture, paintings and books. When this is evident and termites are embedded with eggs and nest in wood and walls, fumigation is the surest course of action.

**TO FUMIGATE  
TO GET RID OF  
EMBEDDED  
TERMITES**



Prevention is much better than later cures. Sometimes the cure is more difficult and expensive because of complications due to neglect. Unlike GAS, Chemical spraying can't fully penetrate wood, or fully disperse upwards inside walls where pipes and voids are, or completely cover all soil under tiles. The fact is though spray treatments for termites are at times referred to as comprehensive, Sprays are PARTIAL, not meant to completely spread everywhere or penetrate 100% inside walls or boardfloors to kill ESTABLISHED structural termites or their nests. Liquids only bar or repel termites from the points of application only. Since 1983 our consultant scientists have always maintained that 1. Local TROPICAL Subterranean Termites (ST) has 3 varying treatment stages that require varying forms and intensities of treatment; 2. That genderless workers above ground can transform to male and female and start endless, hidden, above ground nests (AGN) in partially sprayed structures (just as they do on limbs outside). 3. After failed control attempts or long neglect, termites infestations require intense applications. No amount of holes drilled in walls, roof or floors can ever surpass the overall effectiveness of full and extensive fumigation.

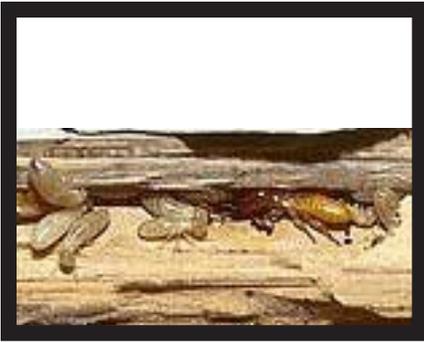
There are far too many out-of-reach pinholes (winged termites around lights) can make, then enter and never be located to reached by sprays. Treating floors and spraying roofs also sandwiches above-ground termites in walls, forcing feeders to transform sexes and hide and multiply more nests. Fumigation is OUR first choice for penetrating wood/walls/furniture and killing every above-ground termite. In minutes it penetrates the thickest beams and the gas seeps, follows and passes through the same pores, cracks, crevices and pathways termites entered to form new nests.

Only after gassing, when infestation is over, does Caribpest apply Termite repelling formulations and Baits inside, under and around the structure. Labour Rates Exclude Parts. All Contracts treatments Include Fumigation, Drilling, Baiting, and a Extended Inspection Warranty

**THERE IS NO TERMITE LEFT ALIVE. NO PART-  
KILL WITH GAS. GAS POWER RAPIDLY  
PENETRATES DEEPEST TO KILL TERMITES IN  
THE VERY CORE OF EVERYTHING THEY CAN**

**BE IN. Only after completely  
fumigating do we apply  
formulations that repel new  
termites and winged termite (  
rainflies) from your termite-free  
building for years.(Read)**

# CARIBPEST QUESTIONS & ANSWERS



## Stages

In their First Stage : **EARLY**

**EARLY:** Indoor termites have not yet started, they live only in their newly made cavities in tree roots and limbs. They pose a constant threat to adjacent structures because they swarm indoors to infest - roofs, walls, wood or base and later descend or climb, as they do on trees from Above-ground-nests (AGN).

### Treating the 1st Stage

Prior to constructing, insist on a soil treatment, this treatment in all its foundation preparation stages, wood treatments and preservation steps will destroy and bar termites before they enter and take up STRUCTURAL positions (AGN's).

Chemically Pre-soaking foundations, blocks and baiting tree roots before building construction, bars, suppresses and kills emerging termites more successfully than future cures. This apart from fumigation, is the closest opportunity for 100% control and prevention of future infestations. This treatment however will not stop rainflies from entering books, furniture & shelves.

## INTERMEDIATE

Their Second Stage :

Termites have an established infestation. After 0 – 6 months, they have located cracks and openings and are travelling about 12 inches per hour, in base, walls and roofs inside structures that were not properly protected. The termite exploring continues 24 hours per day, they quickly find electrical conduits, water pipes, steel uprights in blocks. They ascend to hollow vital wallplates. Rainflies pierce doorjamb and skirting boards, or fall to the ground and attack pallets, board, boxes and barrels resting on floors. Although feeding appears to be on low laying edibles... rainfly termites equally infest, and spread to establish the highest position.

### Treating 2nd Stage

Drilling walls & base and injecting chemicals\*, repel and suppress them if caught early enough \*This diverts them, but won't kill them or their underground nests. (Termite Baits will poison their nests in soil) \*Unlike pre-treatment of ground prior to construction, this operation is only capable of establishing 50% under soil coverage, leaving 50% untreated areas for termites to re-enter.



**GAS PENETRATES PORES LEADING TO NESTS FAST AND KILLS THE DEEPEST, EMBEDDED CHICHI. IT ACTS FAST AND LEAVES NO TOXIC RESIDUES**

Their Third Stage:

## ADVANCED

**HEAVY/LATE :** Ignored or allowed to, infestation spreads rapidly. embedding and nesting behind and under surfaces. Hundreds of repeated swarmings of Rainfly termites locate openings and make multi-level Above-ground nests (AGN), in moist walls, eves, kitchens, bathrooms, closets, doors, furniture etc., Now in thousands, most 2<sup>nd</sup> Generation offspring, elevate nests to walls and roofs, abandoning their original starter nests in soil under the structure (3<sup>rd</sup> stage)

3<sup>rd</sup> Stage Termites no longer need to return to nests in soil under structures at ALL Elevated termites pop veins from nests in walls & outlets. Nest inside blocks, roof wall plates and inside rafters, roof eves, books & boxes, Soon you will see swarms of indoor rainflies which make innumerable entry holes into furniture and kick out tiny pellets/droppings

### Treating 3rd Stage

We do not apply TOXIC residual pesticides onto BUILDINGS ACTIVE with LIVE TERMITES! We find residues can divert active termites deeper into walls and wood living above, they are scattered by floor drilling and pumping. Later, they easily bypass or go around chemical deposits that were made. Sandwiched alive above ground they change into male & female to propagate. Reproducing more AGN nests. We instead IMPACT GAS them all dead with widening and elevating fumigation in sealed structures, and only then make your termite-free premises repellent to any new invasion with planned barriers and baits.

## Carib Pest Control & Pesticides (Health) Consultants Co., Ltd.

IS REGISTERED IN THE ISLAND OF JAMAICA SINCE 1983  
A LIMITED LIABILITY COMPANY LICENCED BY THE JAMAICAN GOVERNMENT

## Questions & Answers Regarding FUMIGATION

Louis Tulloch

Managing Director