



**BEDBUGS
BITE**

NJBEDBUGSBITE.COM

**Don't Let the Bed Bugs Bite
Heat Remediation
and
K-9 Detection Teams**



1-800-975-0395



Don't Let the Bed Bugs Bite Heat Remediation and K-9 Detection Teams

Why use Heat Remediation?

Heat Remediation is a superior solution to get rid of bed bug infestations. This non-chemical, non-toxic approach penetrates wall cavities, mattresses and other hard to reach locations to kill bed bugs. By applying heat evenly throughout a structure we are able to kill bed bugs wherever they are hiding. Heat Treatments will kill all of the growth stages of the bed bug including the eggs. This is an important fact given that not all current pesticide control methodologies will kill bed bug eggs. This means that oftentimes Heat Treatments can eradicate the entire bed bug population in a single treatment.

There is considerable documentation citing the temperature and time correlations necessary to kill bed bugs and their eggs. Several sources (Usinger 1966, Gulmahamad 2002, Quarles 2007) report that adults and nymphs die within 15 minutes at temperatures greater than 113°F and 60 minutes to kill eggs. Raising room temperatures above the thermal death point and maintaining that temperature for several hours should eliminate a bed bug infestation.

Thermal Death - Bed Bugs			
Pest	Temperature	Duration	Reference
Bed Bug Adults & Nymphs	45°C (113°F)	15 Minutes	Mallis, 2004
Bed Bug Eggs	45°C (113°F)	60 Minutes	Gulmahamad, 2002
Bed Bug All Stages	46°C (114.8°F)	7 Minutes	Quarles, 2007

The temperature required to kill bed bugs and their eggs fall well within the temperature ranges achieved by NJBedBugsBite.com. The low thermal death point of bed bugs allows heat treatment technicians to better adapt the process to the building and its contents while still achieving efficacy. Unlike many pesticides, Heat will penetrate into all of the harborages and kill

bed bugs where they reside. Our process will force heat into beds, bedding, mattresses, furniture, electronics, wall cavities, etc. leaving no place for bed bugs to hide.

Why is Heat Better than Using Chemicals?

Historically, bed bug treatments have primarily used chemicals to reduce and control the pest. Recently, pesticides have shown to be ineffective in managing infestations with single bed bug treatments. An informal survey of pest control operators conducted by an entomologist at the University of Massachusetts found that 68% of all bed bug infestations require three or more treatments, 26% require two treatments, and 6% require just one.

Another concern with pesticide use is the development of resistance to the pesticides used in the treatment of bed bugs. The Integrated Pest Management Association found that by 1956, DDT resistance was so widespread that the control method had to be changed to Malathion. Results from current research conducted by the University of Kentucky show that bed bug resistance to insecticidal products that have pyrethroids as an active ingredient has become significant. The excessive use of pesticide solutions may result in the bed bug developing greater resistance to current methodologies. Oftentimes this leads to overcompensating by increasing amounts of chemicals. This can be a dangerous practice. Heat eradication is a simpler control methodology which alters a bed bug's natural environment, making it lethal to the bed bug.

Pesticides can also pose a threat to the environment. DDT was an effective chemical in significantly treating bed bug occurrences in the United States before it was banned in 1972 because of the reproductive effects to birds from chronic exposure to DDT. Bird exposure to this insecticide mainly occurs through the consumption of aquatic and/or terrestrial species that have been exposed to DDT (WHO 1989). Like other chemicals, DDT was able to work its way through the ecosystem and cause adverse health and reproductive effects to many animals in the food chain.

Finally, some people may be sensitive to chemicals as a result of neurological or other medical disorders. These people may not have the option to use chemical solutions as part of their control method. NJBedBugsBite.com uses a non-chemical process and therefore is the practical solution and is a great alternative for people with chemical sensitivities and is ideal for treating health care facilities, hospitals, and schools where chemicals are not an option.

Why use a K-9 to detect Bed Bugs in your home?

What...A bed bug dog? What in the world is a bed bug dog?

The professional services offered by NJBedBugsBite.com begin with a highly trained bed bug dog. Our reliance on our K-9 employees is based on this factor: Dogs are better bed bug detectors than humans. Humans have to rely on their eyes to find the bed bugs. If they can't find the bugs (which is usually the case), they have to treat the entire home.

While the use of dogs as bed bug detectors is relatively new, there are ample studies showing their effectiveness. Each of our Certified K-9 Teams are extremely professional. They have been highly trained to sniff out bed bugs. Always on the alert, these K-9 detectives make the ideal first line of attack as a bed bug solution.

Among the many benefits of using a bed bug dog is that they are:

- Trustworthy
- Efficient
- Effective
- Cutting edge

What Goes Into the Training of a Bed Bug Dog?

Each bed bug dog used by NJBedBugsBite.com undergoes rigorous bed bug detection training. This training is similar to the same instruction undertaken by narcotic and bomb sniffing dogs. After several months of training each dog is assigned to a handler. It is not unusual to find a bed bug dog and their handler spending off time locating bed bugs.



The Advantages of Using a Bed Bug Dog

At NJBedBugsBite.com we do more than just detect bed bugs. We are here to eradicate the pesky insect from your home or business. To do this effectively and efficiently for you is the reason behind our use of the K-9 detector.



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When our dogs arrive on the scene you can rest assured that your bed bug solution is at hand. The effectiveness of this method is well documented. Our dogs can locate the bed bug with pin point accuracy. For you this means less preparation, saving you time, money, and inconvenience. After all, why treat the entire home when you can isolate the problem?

Imagine a bed bug solution that not only protects your valuables, but does so without the risk of ruining your furniture with pesticides.

Enjoy a Bed Bug Free Night with NJBedBugsBite.com

At NJBedBugsBite.com, treating your home for bed bugs is not enough. We want to insure that you know that the bed bugs were completely eradicated. Our satisfaction comes with the knowledge that you again can have a peaceful nights' sleep.

To insure this, our team of bed bug dogs and handlers will go back in and inspect the home after treatment. Once your home gets the seal of approval from our team of dogs, you will be able to rest easy. You won't have to worry about any more bugs feasting on you when you sleep.

Get back your home and your peace of mind. Contact NJBedBugsBite.com today and say goodbye to bed bugs.