



## **DG CEDAR OIL** Naturally Effective Pest Control Safe for Families and Pets

Neutralizes Fleas • Ticks • Mites • Bedbugs • Moths • Mosquitoes

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**This guide is designed for home owners, pest control operators, housing authorities, property maintenance and housekeeping personnel when performing intense insect control projects when using our cedar oil solutions.**

Insects will move quickly to escape the effects of ongoing treatment. They do so by traveling outward and away from application areas or rooms being treated. The following protocol should help confine and neutralize adult insects while helping reduce future insect population outbreaks. The steps below are very detailed but worth the time if you are serious about getting rid on an insect problem.

Prior to spraying or fogging against insects some pre planning is in order. As a dog herds cattle, he or she plans to confine the animals so they are easier to handle. Same idea applies to fighting insects in this situation. Establishing an outer perimeter helps to confine the "herd" of insects making them easier to deal with. Secure adjoining walls of treatment areas. Unwanted insects will no longer easily escape treatment only to return another day.

### **General "to do" list prior to spraying or fogging:**

1. Plan for pre-treatment. Can you work in adjacent apartments, condos, offices or warehouses? Left, right, above and below?
2. \*\* Turn off all furnaces/pilot lights in treatment areas.
3. \*\*Turn off all fire alarms in structures areas to be treated.
4. Remove wall plates from plug outlets and light switches.
5. Remove clothing in drawers and closets. Place clothing in plastic sealed bags (if appropriate) and set outside. Be sure not to re-introduce insect activity from clothing when returning items into the area. Same concept applies to drawers and cabinets in hallways, kitchens or bathroom areas.
6. Set empty drawers up against wall.
7. Take down all pictures and place against wall.
8. Place mattresses up and against wall.
9. Place box springs up and against wall. Remove bottom dust cover.
10. Pull bed frame away from wall enabling you to get around all sides when spraying or fogging.
11. Check curtain rods thoroughly for any sign of insects. Spot treat.
12. Check alarm clocks and other appliances in room for signs of insects.
13. Put Diatomaceous earth (D.E.) in all plug and light switch boxes using a pest pistol powder duster.
14. When finished with #13 replace all plugs & light switch covers in wall.
15. If possible, seal wall plates with a small bead of clear caulk around returned covers of light switches and electrical sockets.
16. If possible, place new plug covers over outlets not being used by appliances. (Plastic child proof plug connectors.)
17. Inspect for holes or cracks under sink areas. Put Diatomaceous earth (D.E.) inside holes or cracks and seal with a sealant material appropriate for the job at hand.

*NOTE: Sealing areas described above will help prevent insect travel and reduce the likelihood that insects will escape during treatment.*

### **Pre-treat walls in adjacent room(s) prior to fogging a given room:**

(Include adjacent apartment, condo, office or warehouse walls if possible.)

Using a pump style or back-pack sprayer, apply cedar oil from adjacent room side as follows:

1. Spray along baseboards. (Spray oil into any loose joints between wall and baseboard.)
2. Spray under any loose carpeting along adjoining walls.
3. Inspect the upper corners of walls and behind any loose wall paper for signs of insects or eggs. Spot spray.

### **Pre-treat room(s) prior to fogging in targeted room(s).**

Using a pump style sprayer or back-pack sprayer, apply cedar oil as follows:

1. Spray along baseboards. (Spray oil into any loose joints between wall and baseboard.)
2. Spray under any loose carpeting.
3. Inspect upper corners of walls and behind any loose wall paper for signs of insects or eggs. Spot spray.
4. Spray inside cavities of dresser. (corners especially.)
5. Spray dresser drawers inside, underneath and sides.
6. Inspect pictures and frames, if sign of insects or eggs are present spot spray.
7. Spray down mattresses. Double up spray in folds or creases. (Formula will not stain or attract dirt.)
8. Spray box spring inside and out. Make sure all wood framing gets wet, especially joints.
9. Spray entire bed frame (metal or wood). Include spray into cracks or hollow holes.
10. Spray head boards and foot boards. Double up oil in open joints or cracks.
11. Spray underneath, inside and tops of cabinets (bathroom or otherwise).
12. Spray all living room furniture. Include under cushions, sides and bottom of couch and chairs or other furniture in room.
13. Insects often migrate inside of door key holes. Spray oil into key holes of all doors.

### **Prepare the room prior to fogging.**

1. Turn off all fire alarms.
2. Turn off all pilot lights/furnaces. Do Not Spray or fog oil near flame.
3. Close all windows.
4. Turn off AC.
5. Remove all pets. (Fogging will become overwhelming if pets are present.)
6. Place a towel on the floor at the bottom of the front door, so the mist does not leech into the halls.
7. Put on protective mask and goggles.

### **You are ready to begin fogging.**

1. Fogging in any room should begin by repeating each of the 13 steps completed during "pre-treatment of rooms" above. This time, apply oil using the fogger machine rather than a hand held or back pack sprayer. Disperse the fog keeping the discharge head at a distance of approximately 20 inches from each item. The added fog will ensure deep penetration of the solution into each item including any cracks and crevices where insects may hide. Now it's time to fog the flooring. Begin at the farthest part of the room away from the door which you will exit. Fog entire floor surfaces whether carpet or other type of flooring. Use a side to side motion while aiming the fog toward the floor while walking slowly backwards until you reach the exit door.
2. Prior to leaving each room disperse a dense fog into the air throughout the room. When exiting the completed room pick up the towel at the bottom of the doorway, open the door and close as quickly as possible. Immediately put the towel along the outside floor of the door so that the solution doesn't leech out to the hall.

Repeat above protocols for each room you plan to be treated in an entire structure. When treating living areas consider cabinetry, cupboards, drawers, couches, chairs and other furnishings and treat the same as bedding and dressers. Include treatments to all flooring of all types in all rooms treated. Before final exiting of the structure disperse a dense fog into the final room. Make sure the entire structure has been closed upon final exit.

Leave all treated rooms closed for a minimum of 3 hours prior to re-entry. (Ideally 24 hours.) Longer periods of time before attempting re-entry will allow the solution to do it's work against insects and their offspring. Upon re-entry, open up all windows. Use electric fans if the cedar aroma is still overwhelming or uncomfortable to help clear the air. Do not turn on AC at this time.

Clean room(s) thoroughly. Particularly in food prep areas and foot traffic areas where personal safety may be of concern (slips, falls, people or pet consumption of cedar oil, etc.). Allowing furniture and carpeting to dry naturally will allow the oil more time to dehydrate any eggs or larvae that may be present.

Inspect for any signs of live insects. There is always a chance that some simply escaped treatment. Spot treat if needed. Repeat fogging only if deemed necessary from your observations.

**Reduce the likelihood of recurring infestation problems:**

1. Consider purchasing bed bug detection devices and place them in strategic areas. These devices may help identify potential problems prior to an infestation.
2. In commercial structures where consumers are checking in and out of rooms, shelters or other migratory environments daily routine should include checking along top and seams of mattress and other furnishings for signs of black spots or other indication there may be a presence of insect activity. Spot treat immediately as needed.
3. Generally accepted practice for good housekeeping will always help reduce insect activity.
4. Diatomaceous earth (D.E.) in light switches and electrical sockets (removing covers first) will help in preventing the migration issues associated with insects.
5. Plugging all holes in wall and around pipes under sinks will help to further reduce insect migration issues.
6. Caulking between baseboards and wall will help reduce insects choosing to lay eggs in these highly desirable areas.
7. Inspect for areas where carpet has become loose or is coming up in corners. Glue down as tightly as possible.
8. Wall paper which has come loose on walls should be glued down.
9. If possible, put caulking inside holes or cracks of metal and wood bed frames.
10. Use of mattress and box spring covers may be appropriate at your discretion.

Once every 45 days treat rooms along the wall and baseboards, under sinks and behind appliances using indoor cedar oil formula. Treat exterior of structures using outdoor cedar oil concentrate or ready to use formula.