



## Development of Bug Dome together with the Ecological Dept. at the University in Lund, Sweden.

During the steps in developing the Bug Dome we found some important findings, such as:

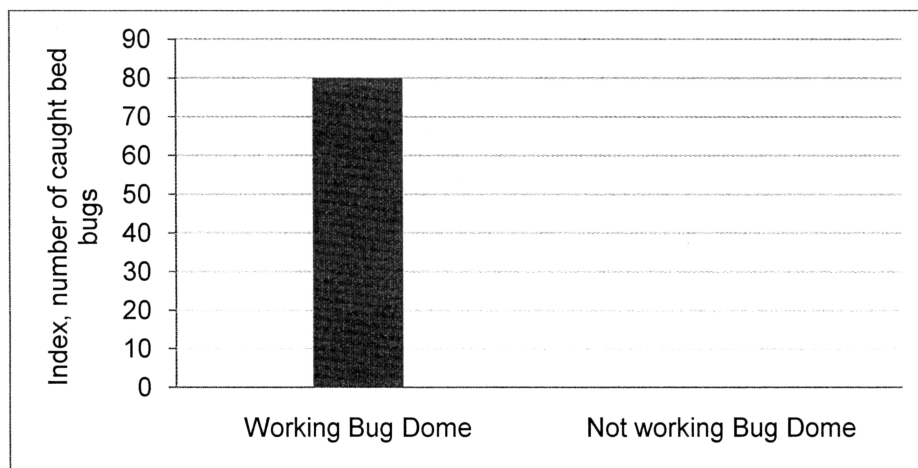
- It has to be a pitfall trap to catch the bugs
- It need to be a specific adhesive to hold the bugs
- It's very complicated and expensive to use a CO<sub>2</sub> device and not needed

In an early stage it was tested to use a flat glue board for catching bed bugs. It was seen that the bugs are unwilling to step into the glue area, even when attractants are used. When using a pitfall the bugs were trying to reach the heated area and the fell into the trap.

When the bed bugs are falling into the trap, several adhesives were tested to hold the bug. A bed bug is extremely strong and able to climb out of the trap if not a correct adhesive is used. The adhesive used within the Bug Dome has been tested and demonstrated to hold the bug in the trap.

Traps with a combination of heat and CO<sub>2</sub> compared to traps with only heat have been tested. No difference was shown between these testing.

A testing was set up with a Bug Dome working properly, compared to a Bug Dome not connected and no heat. The result after ten replicates demonstrated that no bed bugs were caught in the trap with no heat, while the properly working Bug Dome caught a number of bed bugs.



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