

bug scentsTM

Sentry Pro



The **complete monitoring solution** for early and rapid detection of bed bugs:

➤ **PATENTED PHEROMONE-BASED LURE TECHNOLOGY**

➤ **RE-USABLE, SLIM AND DISCREET MONITOR**

🕒 **DETECTION IN AS LITTLE AS 24 HOURS!**



ORDER TODAY

The creators of the BugScents™ technology: Experts in chemistry and insect behaviour



BugScents™ was discovered through a decade of research by scientific experts at the world-renowned London School of Hygiene & Tropical Medicine (LSHTM) and Arctech Innovation.

Arctech Innovation is a LSHTM spin-out company, co-founded by **Professor James Logan**. It works with industry to provide novel solutions that revolutionise the way we detect and control pests.



WWW.ARCTECHINNOVATION.COM



WWW.LSHTM.AC.UK



Opinion

Never mind the French connection. Bedbugs were already on the rise in Britain, and we must live with them

James Logan

These hardy insects are incredibly good hitchhikers. We can slow their march, but we'll never entirely eradicate them

The creators of the BugScents™ technology:

Support in marketing the product

itv | Weekdays 10am-12:30pm

Don't let the bed bugs bite!

Tuesday 15 August at 10:13am



They're the household pests that can turn a good night's sleep into a nightmare. Over the past year, there's been a whopping 65 per cent increase in bed bug infestations in Britain. But do you know what signs to look out for? Our bug expert, Professor

✓ Don't let the bed bugs bite! | This Morning

7 days ago — Professor **James Logan** is explaining the huge 65 per cent increase in the **bug** infestations in the previous year.

You've visited this page 2 times. Last visit: 8/21/2023



Daily Record

<https://www.dailyrecord.co.uk> > ... > TV & Radio News



Scots doctor James Logan takes on the menace of bed ...

May 20, 2012 — Most people go to sleep praying the **bed bugs** don't **bite**. But Dr **James Logan** hopes they are hungry. The Scot, who is head of a research group ...



YouTube

<https://www.youtube.com> > watch

A Bedbug's Bite - Up Close! - Bang Goes the Theory - BBC



Liz Bonnin investigates an increasingly common and unwelcome guest -- the **bedbug**. She visits Dr **James Logan** in his laboratory where he ...

YouTube · BBC Studios · May 1, 2013



5 key moments in this video



AA

itv.com



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Bed bug biology and the trouble with bed bugs

- Feeding/nesting habits make them hard to detect
- Breeding habits – prolific and disperse/spread
- How do you know if you've got bed bugs?
- Why they are on the increase?
- Cost to hotels/hostels
- Early detection is key



Bed bugs



Dust mite



Why bed bugs? A growing global market



Global bed bug control

\$4.1 bn

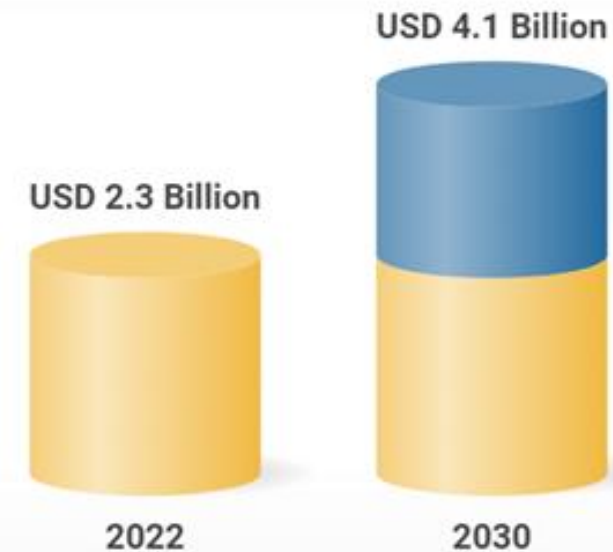
Forecasted size of the **global bed bug services and control** market
(2022-2030)

7.7%

Compound Annual Growth Rate
2022-2030

Global Market for Bed Bug Control Products and Services

Market forecast to grow at CAGR of 7.7%



<https://www.researchandmarkets.com/reports/5140718>

RESEARCH AND MARKETS
THE WORLD'S LARGEST MARKET RESEARCH STORE

We all remember these images...



The extent of the problem

"Bed bugs are everywhere, in any city around the world" - Professor James Logan (The Guardian)

Google trends: Last 12 month searched term "bed bug"



Map showing global dispersion of 23 species belonging to the *Cimex* genus.

The medically important species are indicated by an asterisk. The countries with no pinpoint means no data is available. The pinpoint location represents only the presence of *Cimex* species with no indicative geographical position of the infestations. <https://doi.org/10.3390/ijerph17124576>



"In recent years, bed bugs have undergone a major resurgence in the number of infestations, leading to clinical and control problems. This rise in activity is truly a global event."

[Bed Bugs: Clinical Relevance and Control Options | Clinical Microbiology Reviews \(asm.org\)\)](#)

Product & Product Efficacy

Introducing BugScents™ Sentry Pro: The fastest way to monitor bed bugs



BugScents™ Sentry Pro is a highly-effective reusable monitor with a patented fast-action lure that detects bed bugs in as little as 24 hours.



INSPIRED BY NATURE, ADVANCED BY SCIENCE

Product:

Insect-inspired design

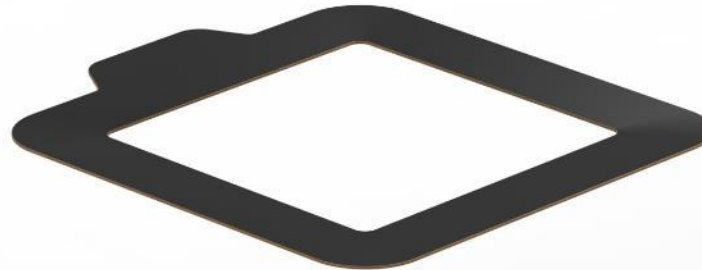


Designed by our team of scientists, every millimetre of the BugScents™ monitor has been built with bed bugs in mind, from the colour and texture to the size of the opening.

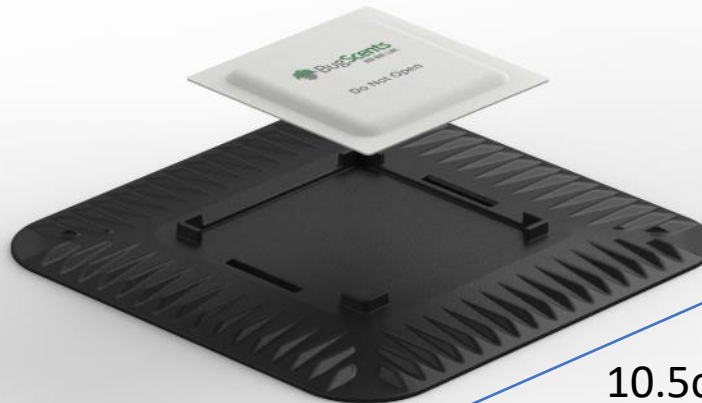
Bed bugs can enter from all four sides, allowing full flexibility in placement.



Layered, wafer-thin design allows discreet placement.



Replaceable glue insert catches bed bugs on their backs.



The monitor has 60 'channels' that guide bed bugs to be caught inside.

10.5cm

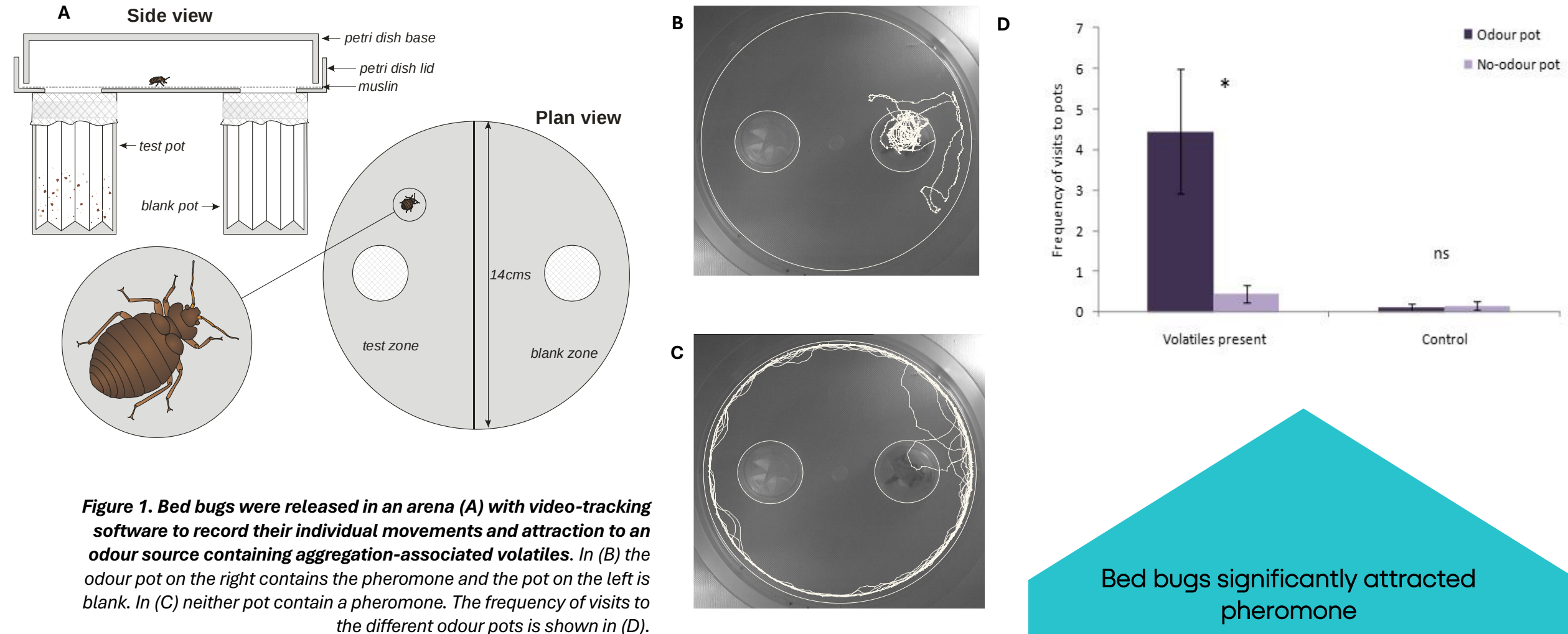
How BugScents™ Sentry Pro helps you:

Bring precision and speed to your bed bug detection game



- **Rapid assessment** of a possible bed bug infestation and perimeter monitoring.
- **Post-treatment monitoring** to confirm successful treatment.
- **Active surveillance** of new infestations as part of a prevention/early detection programme

1. Scientifically-proven attractant technology



Bed bugs significantly attracted pheromone

Patent granted in GB, EP, US, CA, AUS, HK

2. Unbeatable detection

Most bed bug monitors (even those with attractants) suggest a 1-week monitoring period for effective bed bug detection.

BugScents works in as little as 24 hours.

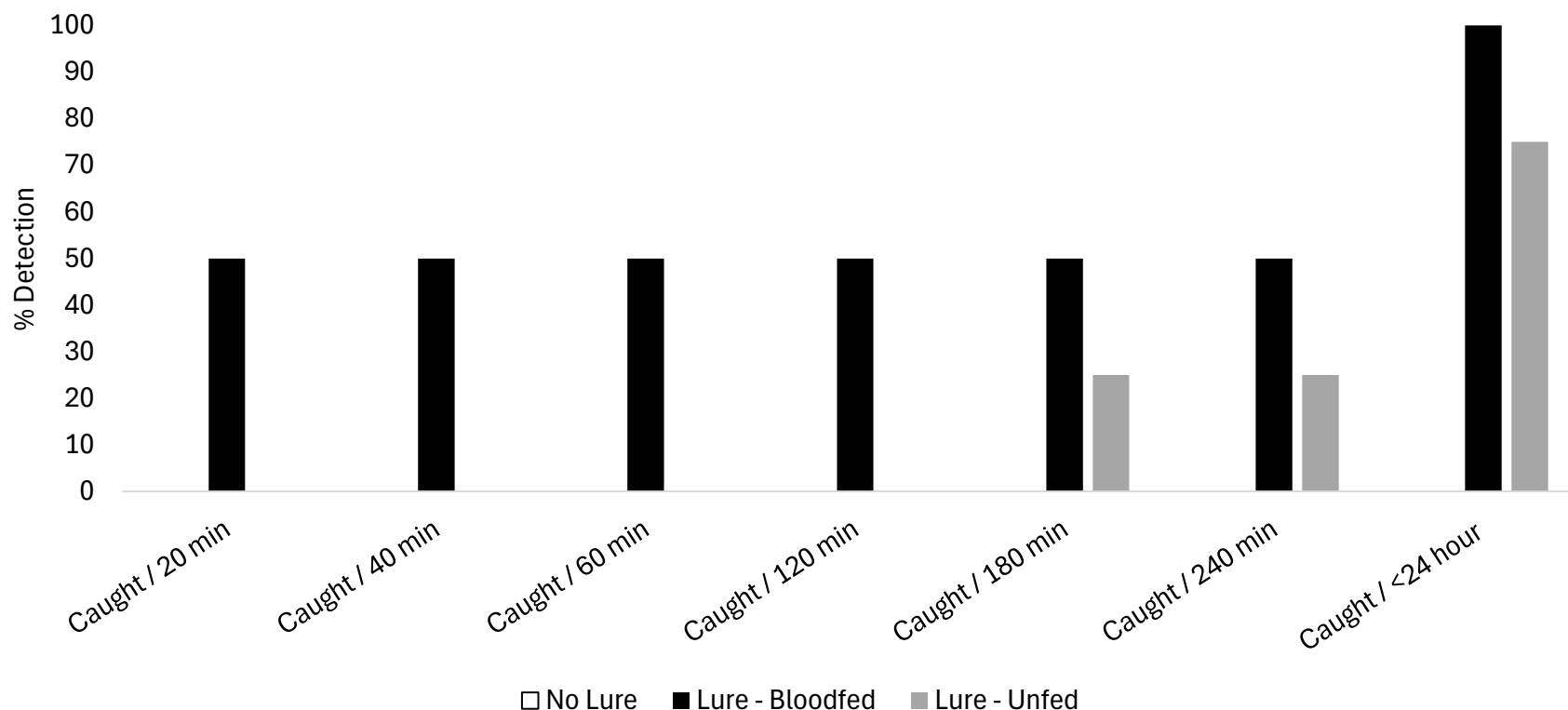


Figure 2. Percentage detection of bed bugs in long range bioassays with BugScents™ Sentry Pro. Data include a total of 8 replicates each consisting of one 24hour bioassay where 10 adult bed bugs (5 males and 5 females) were released. Four of these replicates used blood-fed bugs and the other 4 replicates used unfed bugs. One negative control replicate was conducted where an odour blank was used instead of the BugScents™ lure.

➤ Rapid detection is key

3. Unlike non-pheromone attractants, BugScents™ works in the presence and absence of a human host.

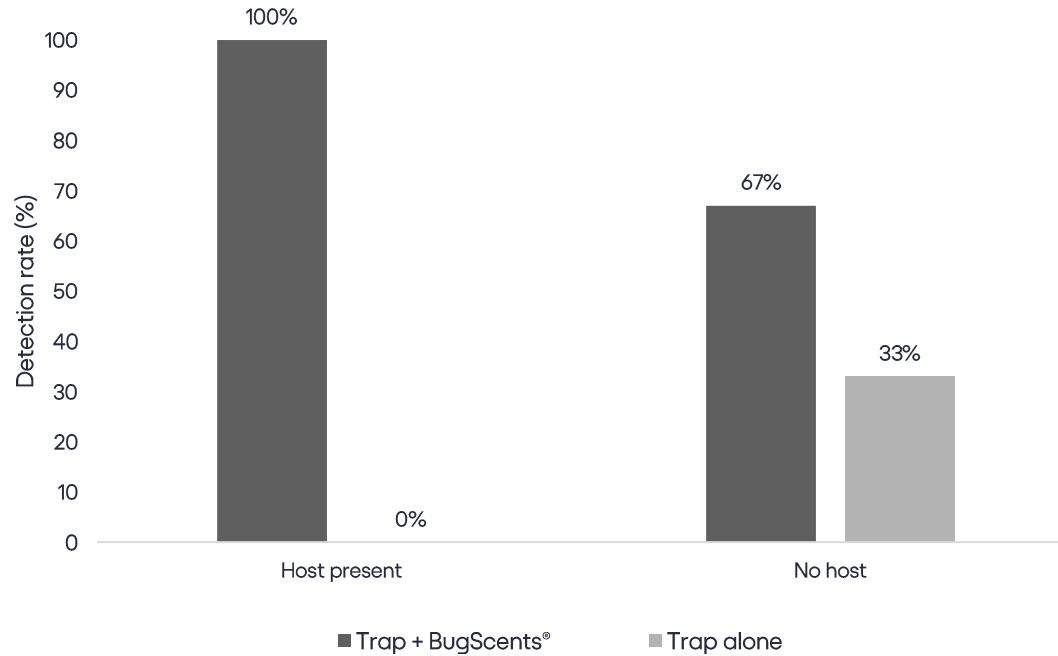


Figure 3. Detection rate of competitor trap with and without BugScents® lure in long-range assays with and without a host.

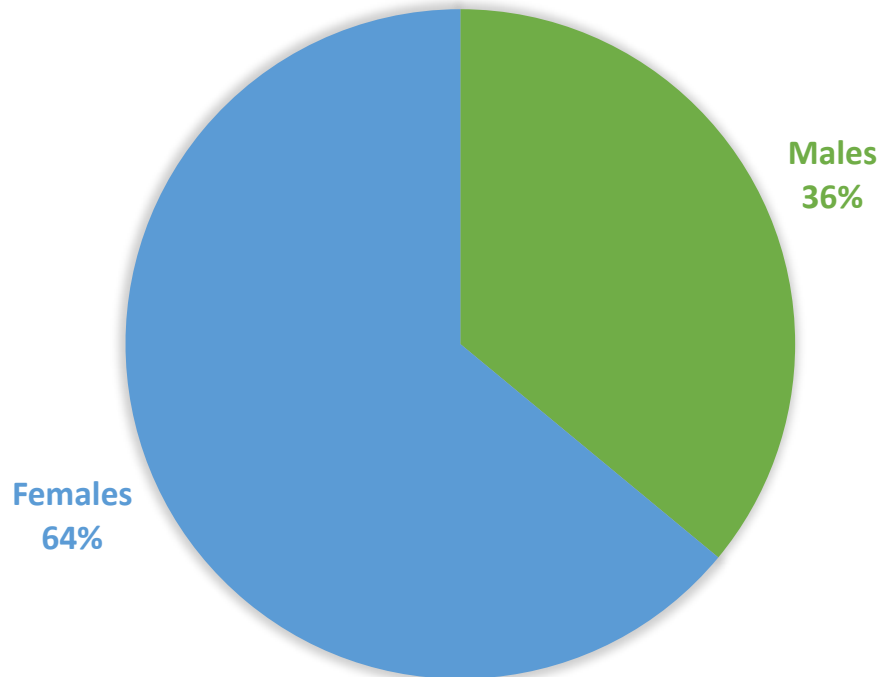


Up to 100%
detection even
in presence of
human host*

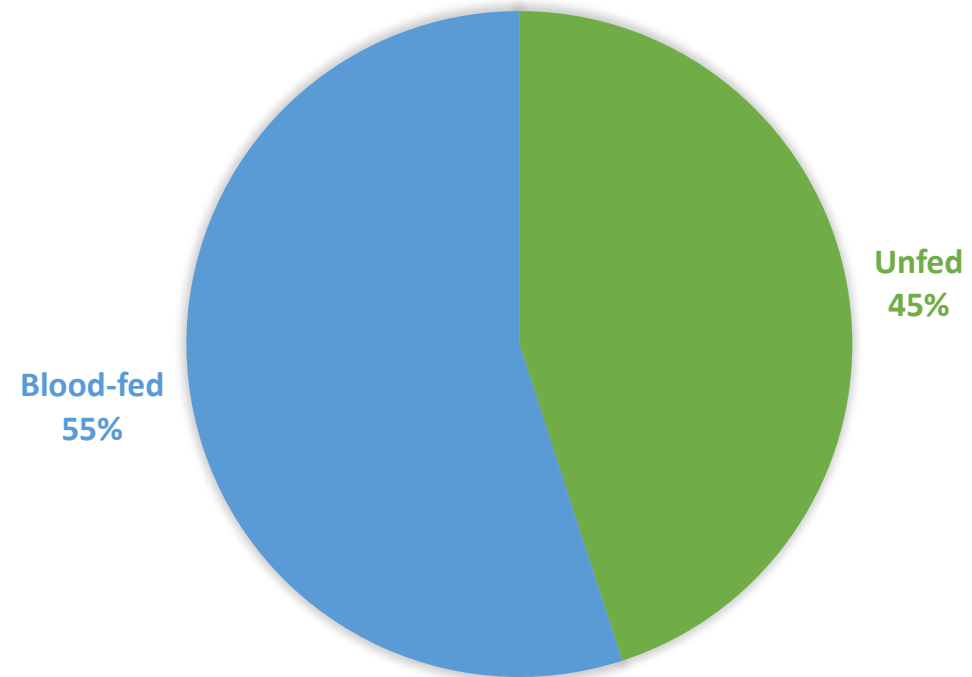
*data on file

4. Attracts males, females, blood-fed and unfed bed bugs

Proportion of male and female bed bugs collected in a baited bedroom assay

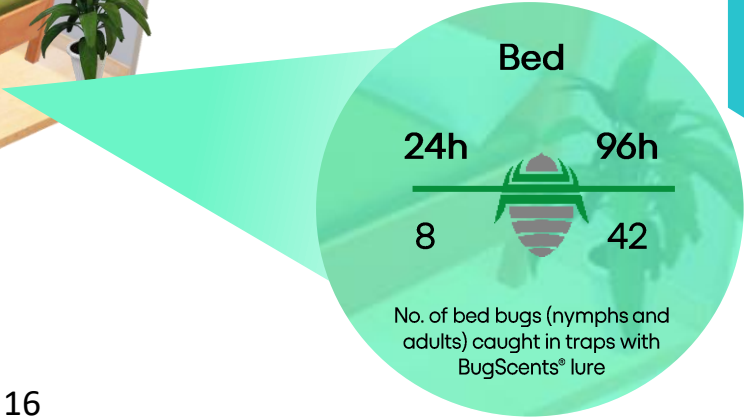
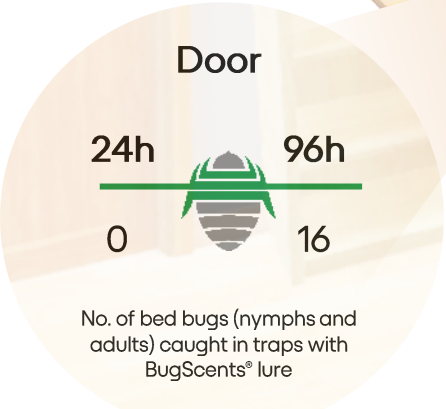
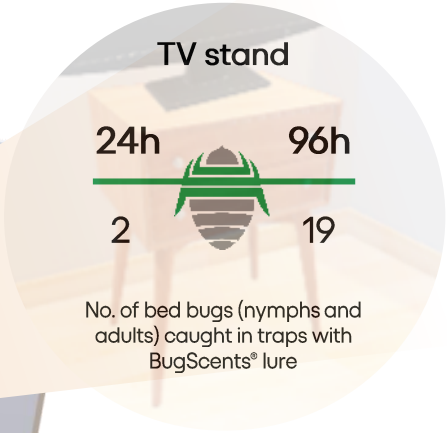


Proportion of blood-fed and unfed bed bugs collected in a baited bedroom assay



5. Case study: The BugScents™ difference - exceptional results in under 96 hours*!

*Independent field study conducted with BugScents™ lure technology in a pitfall trap



The outcome
Bed bug presence confirmed within 24 hours.

Optimal trap placement shown to be near head end of bed.

All active life stages were caught.

Product Features & Benefits

Early detection is crucial for successful control:

Not all bed bug monitors are equal



In the process of creating BugScents Sentry Pro, we looked at everything that is wrong with most bed bug traps and solved it.

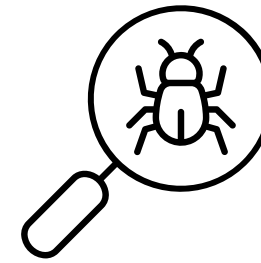
- X A lot of bed bug detectors are blunder traps and rely on bed bugs accidentally walking over the glueboard and getting stuck to be detected. This takes time.
- ✓ BugScents™ Sentry Pro actively attracts the bed bugs into the trap by slowly releasing a patented lure that mimics the bed bug aggregation pheromone, meaning it can detect bugs fast and at low level infestations.
- X Many traps struggle to catch bed bugs – bed bugs are clever things and will avoid glue if they can. They also often shelter under or next to the trap without actually getting caught.
- ✓ BugScents™ Sentry Pro is designed so bed bugs cannot go underneath the trap and they are attracted by the texture, colour and shape to go inside, where they are caught on their backs by a glueboard on the 'ceiling'.
- X Most traps are not discreet and therefore hotels, hostels, AirBnBs etc don't want to use them.
- ✓ BugScents™ Sentry Pro is slim enough to be placed discreetly under the bed (including a Divan) and can be oriented vertically behind the headboard using a double-sided tape included.
- X Short-life disposable traps are not cost-effective and a false economy
- ✓ BugScents™ Sentry Pro is only £56 per room for a whole year of rapid bed bug detection (see below with comparison with another product).

Early detection is crucial for successful control:
Not all bed bug monitors are equal



	RRP	Pack size	Price per trap+lure	Cost per replacement lure/glueboard	Number of replacements needed per year	Number needed per room	duration of use (months)	Annual cost per room per year
BugScents Sentry Pro	£40	4	£10	£6	3	2	3	£ 56.00
Trappit+lure	£67	20	£3	£3	11	4	1	£ 145.40

Commercial customers: Find bed bugs before guests do!



Unique discreet design

The ultra-low profile and flexible horizontal or vertical positioning means it can be used with all bed types while remaining hidden.

3 x faster detection*

Rapid detection is important so that action can be taken quickly and customers won't be aware of bed bug presence.

3 x more cost effective*

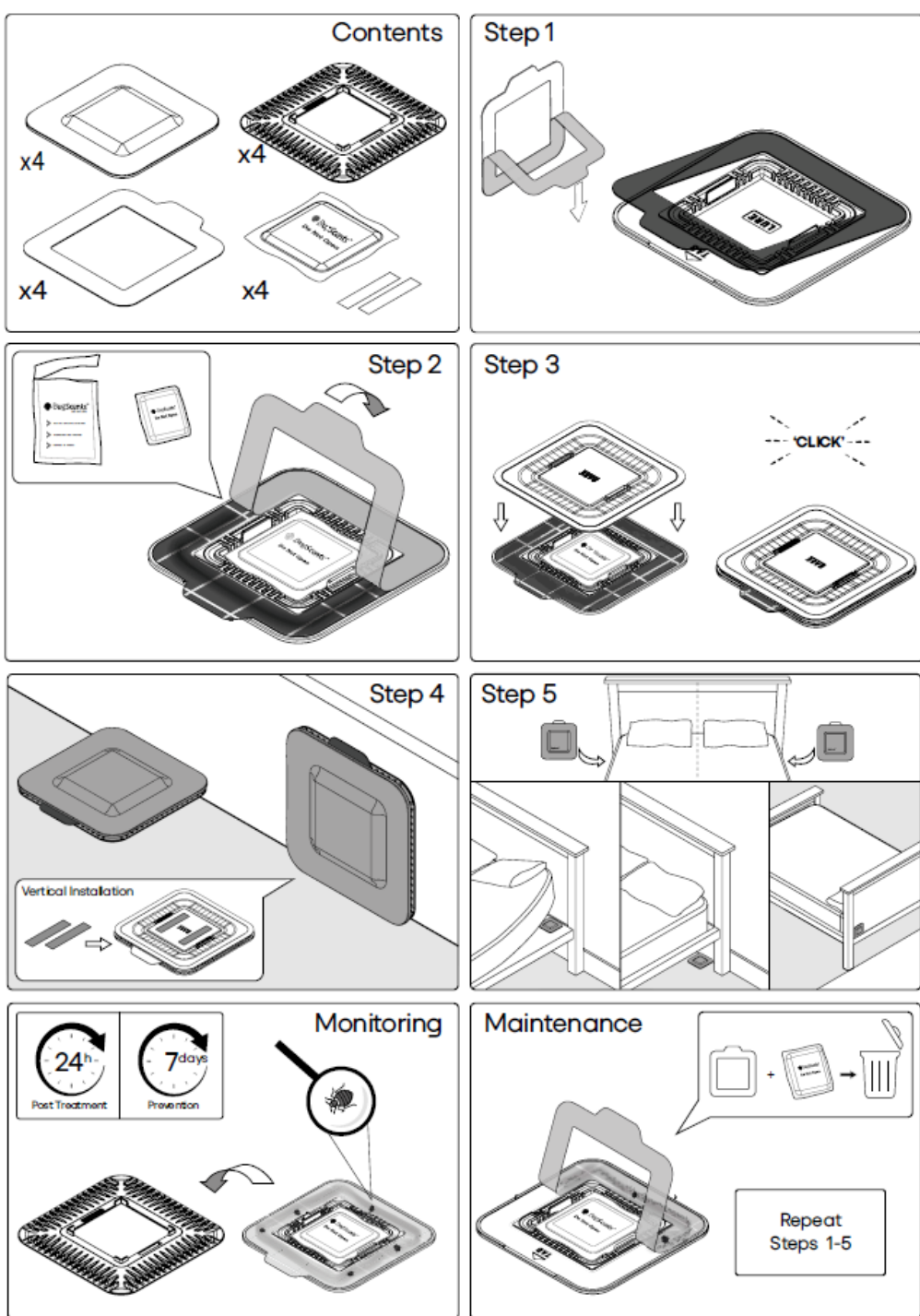
Our reusable trap keeps guard for 90 nights, with only the attractant and glueboard needing replacement (cheaper than using competitor products over a 12 month period).

This opens up access to many customers:

- | | | |
|------------|-----------------|--------------|
| ✓ Hotels | ✓ Guesthouses | ✓ Care homes |
| ✓ Hostels | ✓ Landlords | ✓ Hospitals |
| ✓ Airbnb | ✓ Student Halls | ✓ Prisons |
| ✓ Airlines | ✓ Cruise ships | ✓ Motels |

*compared with similar products label claims

**compared with similar products such as Trappit over the course of 1 year



Product features and benefits:
Slim, discreet and versatile positioning



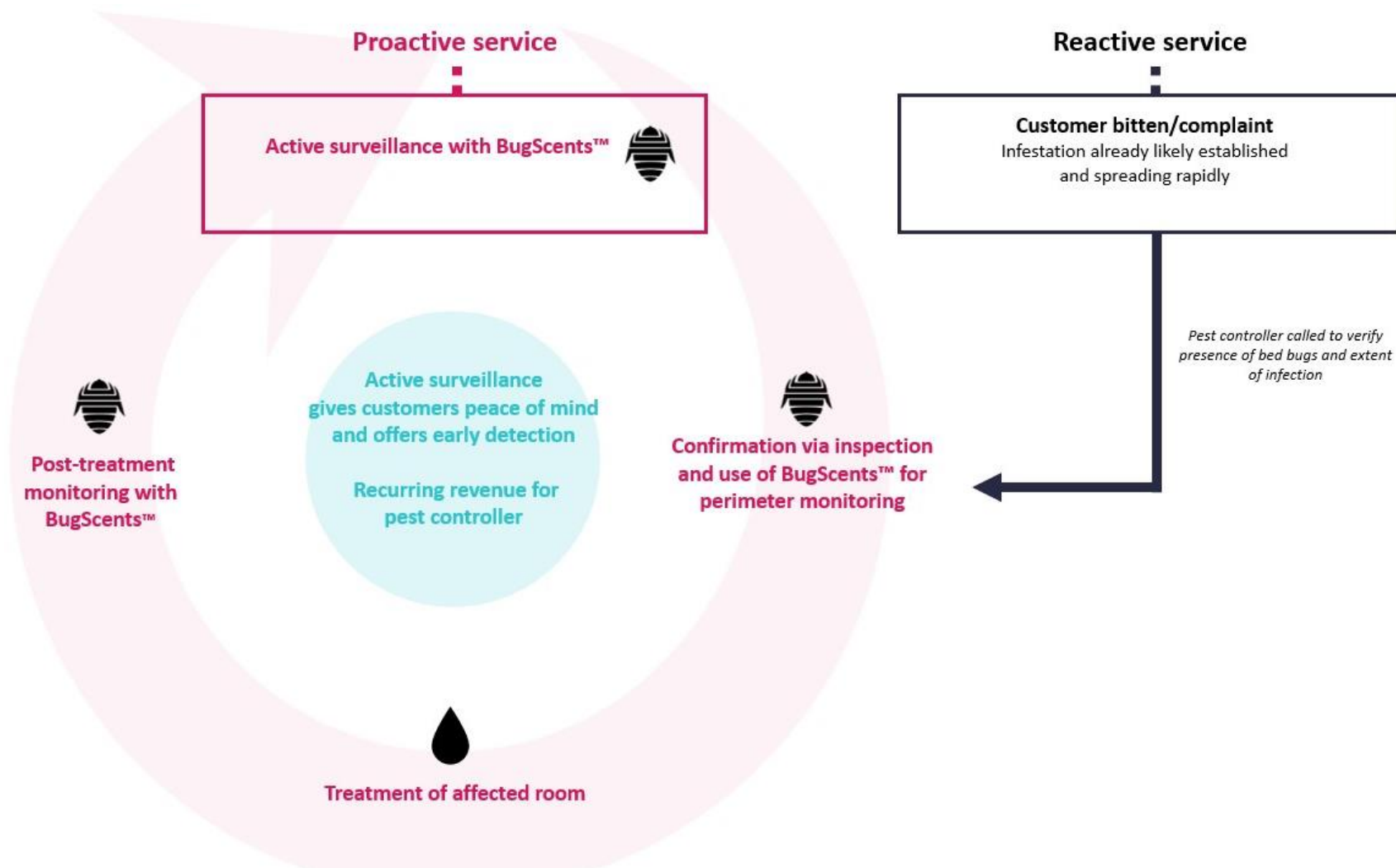
BugScents™ Sentry Pro can be used horizontally and vertically, making it **extremely versatile** for use with all bed and headboard types.

At just 10mm thick, its **ultra-thin profile** means it can be placed discreetly behind or underneath furniture, even a divan-style bed, so customers won't know it is there.

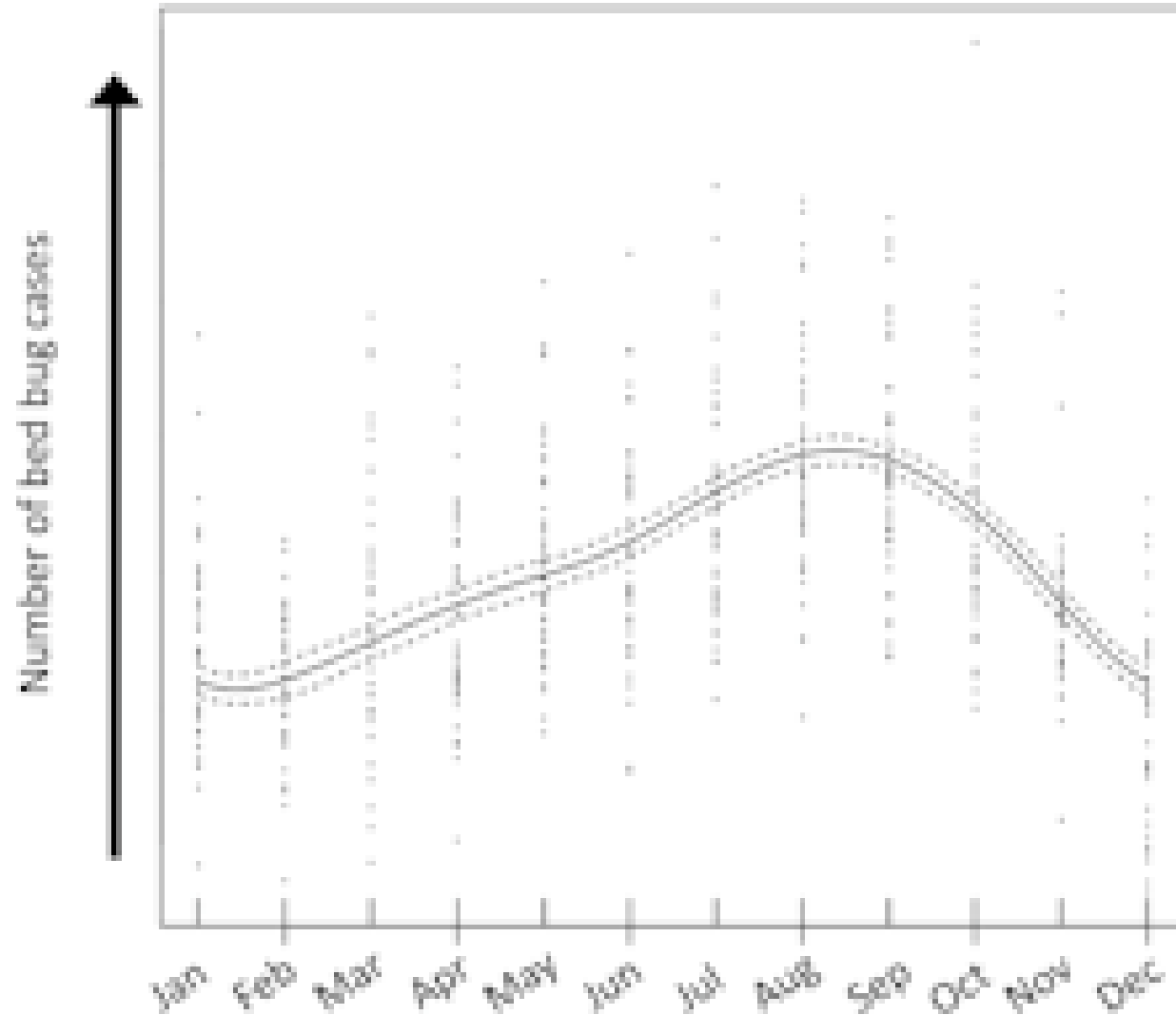


Bring proactive and reactive under one service to increase revenue and customer satisfaction:

Trust BugScents™ as your verification and detection tool



The time is now....



[Source: Will Hentley University of Sheffield:](#)

[Bed bugs are a global problem, yet we still know so little about how they spread \(theconversation.com\)](#)

BugScents™ Sentry Pro is available now!



ORDER NOW:

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