# Study 54a

# **Laboratory Summary**

One un-identified strain used. Two substrates, mattress fabric and glazed tile, were treated with PT® Alpine® Flea & Bed Bug Pressurized Insecticide. The substrates were aged 3 weeks and challenged bed bugs. Provided 100% knockdown of bed bugs within 30 minutes on tile and 100% knockdown at 4 hours on fabric.



#### **Products**

Monitors

Ant Bait
Cockroach Baits
Dilutable Concentrates
Dust Insecticides
Equipment

#### Poultry and Livestock

Alpine WSG Water Soluble Granule Insecticide

Clear Zone Double Impact Farm Fly Spray

Durashield CS Controlled Release Insecticide

Instant Soap 'N Water® Foaming Cleanser

Optashield CS Controlled Release Insecticide

PermaCap CS Controlled Release Insecticide

#### PT Alpine Flea & Bed Bug Pressurized Insecticide

PT Clear Zone III Metered Pyrethin Spray

PT Pro-Control Plus Total Release Pressurized Insecticide

Pressurized Insecticide PT Wasp-Freeze Wasp & Hornet Insecticide

PT Alpine Pressurized Fly Bait

Pyri-Shield EC Emulsifiable Concentrate Premise

Insecticide
Siesta Insecticide Fire

Ant Bait Termidor SC

Termiticide/Insecticide
Pressurized Insecticides

Rodent

Specialty Products

Termite Control Products

Vector Fly System

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# PT® Alpine® Flea & Bed Bug Pressurized Insecticide

Introducing a new, all-in-one tool for better bed bug treatments, PT® Alpine® Flea & Bed Bug Pressurized Insecticide. Specially formulated to incorporate easily into your line of service, this efficient, premixed, ready-to-use broadcast spray is now labeled for direct use on mattresses and in suspected areas of infestation. It kills all stages of bed bugs fast, even pyrethroid-resistant bed bugs. Pressurized technology makes application easy with a light spray that dries quickly, allowing rapid reentry, unlike dilutable applications. With its ease of use and knockdown in as few as 30 minutes, PT Alpine Flea & Bed Bug Pressurized Insecticide is the ideal product for clean outs.

Grow your business by eliminating hard-to-find, persistent and increasingly pervasive bed bugs:

Broad label: One complete solution-in-a-can treats the whole room, including mattresses.

Premixed convenience: Pressurized technology applies quickly and easily, so you can get your bed bug business up and running fast.

Kills pyrethroid-resistant bed bugs: Three active ingredients deliver superior results on bed bug adults and nymphs while inhibiting egg hatch.

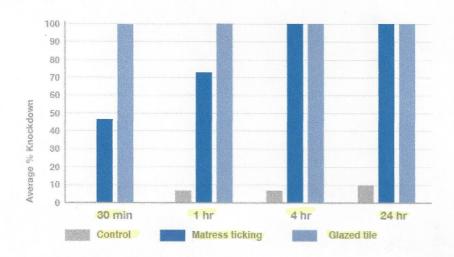
# Rep Finder

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## Apply corner to corner, and everywhere in-between

With its new labeling for mattresses, PT® Alpine® Flea & Bed Bug Pressurized Insecticide is the only product you need to treat the whole room. Apply it anywhere bed bugs harbor—including tufts and seams of mattresses—or wherever they travel. Treat the perimeter of the room at the wall-floor junction; behind, under and inside furniture; on headboards and box springs; over open carpeted areas and wall coverings. You can even treat luggage by directly spraying into pockets, seams, folds and around wheels.

#### Effective residual control on multiple surfaces with 3-week-aged residues



PT Alpine Flea & Bed Bug Pressurized Insecticide demonstrated 100% knockdown of bed bugs on ceramic tile within 30 minutes, and proved very effective on mattress ticking within 4 hours.

F. Carter Gordon, BASF APR/IA Non-Crop Advanced Testing Laboratory, RTP, NC, March 10, 2015

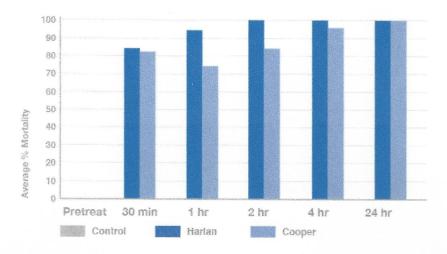
### No more mixing, no more mess, no more bed bugs

This pre-mixed, ready-to-use solution employs pressurized technology to apply simply and easily throughout the room, so you can kill bed bugs fast, wherever they hide. It's specially formulated to avoid soaking carpets and mattresses, drying rapidly and allowing quick reentry for more efficient service calls and less customer impact or interruption.

## Highly effective against pyrethroid-resistant bed bugs

For superior bed bug control, **PT Alpine** Flea & Bed Bug Pressurized Insecticide includes three active ingredients to manage resistance, including reduced-risk dinotefuran for added peace of mind. It delivers superior results on adults, nymphs and eggs.

#### Fast kill and efficacy against pyrethroid-resistant and susceptible bed bugs



Direct sprays from **PT Alpine** Flea & Bed Bug Pressurized Insecticide demonstrated 100% control of bed bugs from pyrethroid-resistant field strain (Cooper 2) within 24 hours and susceptible strain (Harlan) within two hours.

Snell Scientific, Efficacy of **PT Alpine** Flea and Bed Bug Pressurized Insecticide when applied as Direct Spray Applications against Bed Bugs (Cimex lectularius), 2016

#### The one-two approach for building your bed bug business

Use the fast action of **PT Alpine** Flea & Bed Bug Pressurized Insecticide for quick clean outs, and follow up with a preventive bed bug program featuring **Phantom®** insecticides for long residual control.

DO NOT apply to entire mattress; apply only to edges, tufts, folds, sides and seams.

Always read and follow label instructions.

Alpine, Phantom and PT are all registered trademarks of BASF.

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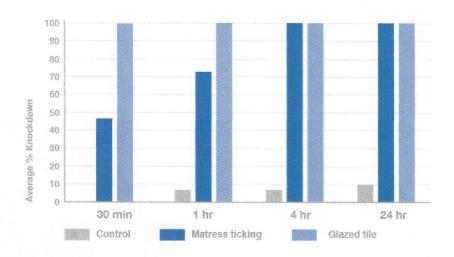
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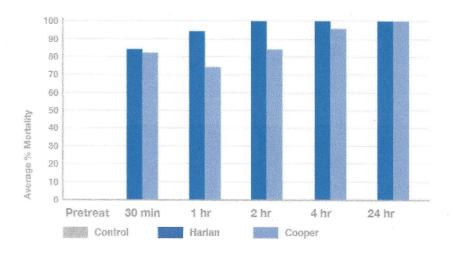
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