



Insects Limited, Inc.

James Feston of Insects Limited Earns BCE



James Feston is the Director of Product Research at [Insects Limited, Inc.](#) He began working at the company as a lab intern in 2010 helping test and develop insect traps and novel lures. He started in his current role after graduating from Purdue University with a Master of Science in Entomology in 2015. James enjoys working at the intersection of technology and insect biology to produce products that help people solve problems and control pests.

President of Insects Limited, Pat Kelley, said: “We are so proud that James has passed his exams to become a Board-Certified Entomologist focusing on urban pests. With a man of his talents, it is only fitting that he has reached this level of professionalism after receiving both his Bachelor of Science and Master of Science degrees in entomology from Purdue University. His potential is sky high to continue to make many influential and positive changes in the field of entomology and pheromone technology.”

James joins Insects Limited staff members Ethan Estabrook and Pat Kelley who are existing BCE's.

Learn more about Insects
Limited

Fumigants & Pheromones

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New Ready-to-Use All Beetle Trap from Insects Limited

The [All Beetle Ready-To-Use trapping system](#) from Insects Limited, Inc. has an improved design for easy deployment. The no-mess system comes with a pre-loaded pheromone cartridge that simply snaps into the base of the trap for a one-step install. Once the cartridge is in place, it is ready to be placed against the wall on a floor or shelf and it will immediately begin monitoring for pest beetles.

- Ready-to-use improved design
- No mess deployment
- Clear top for easy viewing window
- Scientifically backed formula
- Low profile
- Captures a variety of crawling insects

The combination of food attractant and pheromone gel that is in the cartridge contains the pheromone for flour beetles, cigarette beetles, warehouse beetles, rice weevils as well as a food-based attractant for saw-toothed grain beetle and up to 20 other species of stored food beetles.

President of [Insects Limited](#), Pat Kelley, said: "Creating a trapping system that is easier for our customers to use without sacrificing any of the science that went into the original trap design fits right into one of the core values of Insects Limited; to provide the "absolute best products available worldwide".

Insects Limited

NEW PRODUCT

READY-TO-USE
ALL BEETLE TRAP WITH GEL KIT

IL-2750-10

Capture over 20 species of stored food beetles

INSECTS LIMITED, INC.
WWW.INSECTSLIMITED.COM
1-317-896-9300

Order Today!

Fumigants & Pheromones

Insects Limited, Inc.



Tom Mueller

Providing Solutions, Not Excuses with Stored Product Insect Virtual Seminars – *Presentation Recordings Included*

I am willing to bet you have had a conference or two you were planning to attend end up being canceled recently. Personally, I have had five conferences and two Ironman 70.3s get canceled or postponed. One of those conferences was our 14th Fumigants & Pheromones Conference that was to be hosted in Victoria Falls, Zimbabwe Africa which has been postponed to next year around the same time (TBA). If you have ever planned a conference, you know what an emotional toll it takes not being able to see it through as planned.

All these misfortunes got me thinking, why can't we cover the same content, but do it via a virtual platform? After all, it is 2020. We may not have flying cars, but we can use video conferencing to cover the same information. So, I worked with our marketing department and put together a three-part series on very short notice. First, I would like to give a big shout out to [Casey Vollmer](#) who runs our marketing along with being responsible for many other tasks and duties. With her help, we were able to get 260+ people signed up for the Virtual Series on Stored Product Insect Behavior and Biology, Practical Uses of Pheromones, and New Technologies in Pest Monitoring. Please find the recordings at each of the following links.

Episode 1: [Behavior and Biology of Stored Product Insects](#)

Are you interested in the secret to the most effective way to get rid of your insect and rodent infestations? Learn their biology and how it affects their behavior. If you do that, you can then use that information against them to change their environment. These pests all have one thing in common. They all seek out micro-environment pockets where they survive and thrive. If we can change or eliminate these pockets, the pests will leave, or they will die.



"Start with the Insect First" hanging from the wall in the Insects Limited classroom

Episode 2: [Practical Use of Pheromones](#)

A problem cannot be solved until it is measured. With the help of a properly executed pheromone monitoring program, we can make data-driven decisions based on accurate and timely information. Proper execution includes correct selection and installation of pheromone monitoring devices, correctly interpreting the device's catches, and adjusting your Integrated Pest Management programs to the information your devices are providing.



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Episode 3: [New Technologies in Pest Monitoring](#)

Both “accurate and timely.” Until recently, accurate, as it pertains to pest monitoring, relied on the visual inspections of whatever the level and experience of your technician. Timely refers to the scheduled pest control program you have contracted. With the help of [Michael Zimmermann](#), IT Lead for Bayer’s Digital Pest Management segment, we discuss why those two elements have recently improved. Remote monitoring is no longer a thing of the future, it is here. There are multiple companies with thousands of remote monitors for both [insects](#) and [rodents](#) assuring their customers of providing accurate and timely information which means 24/7 monitoring. These devices are pairing with other data-driven platforms to provide information and advice on how we can best eliminate these pests, protecting valuable commodities and maximizing our return on investment.

Do I think Virtual Seminars are going to replace attending conferences in person? No. Do I think they are a great resource for productivity, education, and even sales “meetings” during a virus pandemic? Yes.

If you haven’t yet, [subscribe to our newsletter](#) to find out when the next Virtual Seminar on Stored Product Insects will be held.

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Pat Kelley, BCE



Ethan Estabrook, BCE

SightTrap Remote Pheromone Monitoring Working within a Cave System

In parts of the Midwest, limestone was mined in the late 1800s and early 1900s and this excavation left behind an extensive network of caves. In the 1950's, investors started finding ways to utilize the abandoned underground space and decided to create leasable warehouse space. Today, some of these facilities are massive in scale. One particular cave system used for storage consists of 55,000,000 square feet of space with 6,000,000 square feet of leasable space and an additional 8,000,000 square feet leasable space available in the future. The consistent, cool temperature and humidity year-round in these caves provide good storage conditions for all kinds of items. Dried food goods, seed, Ready-to-Eat (MREs), tires, cave-aged cheese, USPS collection of rare stamps, Hollywood movie reels, mushroom farming, crude oil stockpiling, and vehicles are among some of the items stored in these underground caves.



A [SightTrap](#) remote pheromone monitor is hung near to seed storage in a cave.

Even in a cave 150 feet below the surface of the earth, pests can still find their way into underground storages through inbound materials trucked in one load at a time. In order to monitor this underground space for Indian meal moth activity, Insects Limited helped Fumigation Service and Supply install their remote pheromone monitoring system called [SightTrap](#) at one of these facilities used to store large quantities of crop seeds. When old Crop seeds that go unplanted by the farmer after the planting season are returned to and stored by the seed manufacturer. This returned seed notoriously has insect pest activity in it from the farmer's barn and a good IPM program will monitor this seed to allow for early detection and treatment.



A vast labyrinth of carved out tunnels offers millions of square feet of storage space in caves in the Midwest.

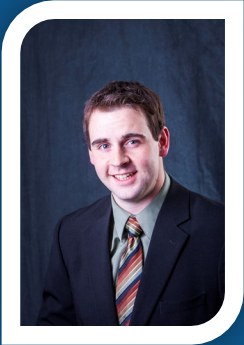
Conventionally, one would think that the task of installing an Internet-of-Things (IoT) device in an underground bunker may be impossible, but using cutting-edge communication technologies, it was found that installing SightTraps in the cave was much easier

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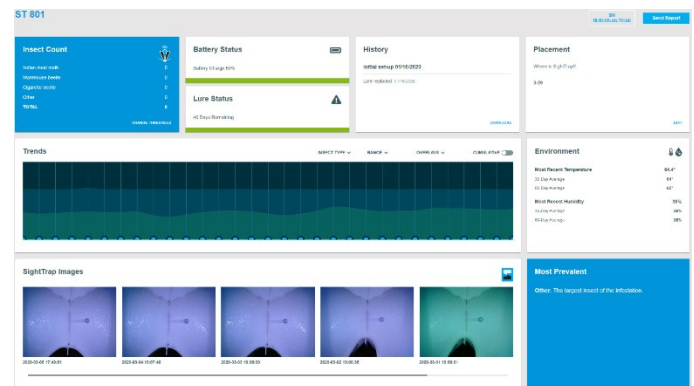
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than many other remote monitoring devices. SightTraps communicate through Wi-Fi where many other remote monitoring devices communicate through cellular connection. In a cave 150 feet below the surface, cellular was not an option and a boosted wireless internet signal was the only source available to communicate to the outside world. The great news is that if remote pheromone SightTraps can be installed deep within the earth, they are even easier to install in vast above-ground warehouses. Many commercial food, seed and grain facilities incorporate concrete or steel building materials that block or greatly reduce cellular service. Remote monitoring in these facilities can also be difficult when using devices that communicate through cellular connection. Concerning the [SightTrap](#), nearly all commercial facilities have existing Wi-Fi throughout their facilities and boosting the Wi-Fi signal to the remote corners of these warehouses gives complete internet coverage to these devices. Connecting remote monitoring devices via Wi-Fi can provide a stronger and more consistent signal for the devices to communicate. When thinking of IoT devices, we often look up towards the satellites that carry the signals to the internet, but don't forget to also look down, way down, as there is a lot going on beneath our feet as well.



SightTrap data can be accessed online at www.ForesightIPM.com or from the convenience of your phone with the ForesightIPM app.

Gain the SightTrap Advantage